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Numbers in tables created on unknown unknown unknown.

Data processed in Dec 2005 - Jan 2006.

This data has been skimmed from PNN2-ntuples with the following cuts: OR of 1/3 skims, BAD.RUN, (BOX2 or boxcuts), RSDEDXMAX, RSDEDXCL on the PNN2_SKIM set.

The title of a column describes the data set used.

pnn2 = PNN1+PNN2 data with the most up-to-date cuts applied.

pnn1 = PNN1 data with the most up-to-date cuts applied.

pnn2only = PNN2 data with the most up-to-date cuts applied.

Tables 1-5 are a summary of the long tables that follow.

The long tables track the events on a cut-by-cut basis. There are 3 columns per data set analyzed. In each column the first number in the cell is the number of events and the number in parenthesis is the rejection. The 1st column is the cuts applied sequentially; the 2nd is the application of only the listed cut; The 3rd is the number of events remaining before this cut is applied and the rejection of the cut.

Some cuts may have 787, 949, or cur attached to them. That means that the cut is set at the e787-pnn2, e949-pnn1, or the current e949-pnn2 level. Note that many of the cuts labeled cur are more than likely to be a carry over from e949-pnn1.

<i>rejection (n)</i>	early	late
<i>Loose Setup</i>	13238.0 \pm 9360.3 (2)	3828.0 \pm 3827.5 (1)
<i>TD</i>	7860.0 \pm 5557.5 (2)	2378.0 \pm 2377.5 (1)
<i>TD · KIN</i>	4928.0 \pm 4927.5 (1)	956.0 \pm 955.5 (1)

Table 1: **1-Beam Rejection Summary** of Tables 6-8. Each row is a different branch to measure the DELCO rejection. First number is the rejection. The number in parenthesis is the number of events remaining that the rejection is based upon. The minimum rejection is used in calculation of the 1-BM background for a conservative estimate.

<i>Norm. branches</i>	early	late
ALL cuts below NORM	1.0 \pm 1.0	1.0 \pm 1.0
<i>PV · TD norm</i>	23.0 \pm 4.8	26.0 \pm 5.1
<i>CkTRS · CkTail rej</i>	3.5 \pm 0.4	2.5 \pm 0.2
<i>BADEDX norm</i>	1.0 \pm 1.0	1.0 \pm 1.0
<i>CpiTRS · CpiTail rej</i>	0.0 \pm 0.0	0.0 \pm 0.0
N_K	9.3 \pm 2.2	17.1 \pm 3.6
N_{π}	99999.0 \pm 4347.8	99999.0 \pm 3846.1

Table 2: **1-Beam Normalization Summary** of Tables 9-13. The ALL-cuts-below row uses the combination of all cuts in the following 4 rows (branches) and is the normalization number used in the calculation of the numbers reported in Table 5 (Total Background). The sum of the last two rows provide a check on the ALL-cuts-below number.

<i>rejection (n)</i>	early	late
$Rej_{K-K} : BWTRS \cdot CkTRS \cdot CkTail$	29.7 ± 3.8 (58)	29.7 ± 2.7 (115)
$Rej_{K-\pi} : BWTRS \cdot CpiTRS \cdot CpiTail$	101.6 ± 19.5 (27)	6.5 ± 0.9 (45)

Table 3: **2-Beam Rejection Summary** of Tables 14-15. First number is the rejection. The number in parenthesis is the number of events remaining that the rejection is based upon. K-K is the case where two Kaons are entering the beam. K-pi is the case where we have a Kaon and a Pion entering. $\overline{B4TRS \cdot B4CCD}$ is applied.

<i>Norm. branches</i>	early	late
$K-K_n : B4TRS \cdot B4CCD$	2.0 ± 1.4	2.0 ± 1.4
$K-K_r : TG \cdot TGKIN \cdot TGPV$	6.0 ± 5.5	3.0 ± 1.7
$K-\pi_n : B4TRS \cdot B4CCD$	2.0 ± 1.4	1.0 ± 1.0
$K-\pi_r : TG \cdot TGKIN \cdot TGPV$	23.0 ± 22.5	4.0 ± 3.5
N_{K-K}	0.4 ± 0.5	1.0 ± 0.9
$N_{K-\pi}$	0.1 ± 0.1	0.3 ± 0.4

Table 4: **2-Beam Normalization Summary** of Tables 16-19. The 2-BM Normalization has 2 branches that are further bifurcated. $K-K_{r,n}$, $K-\pi_{r,n}$ are the results of the bifurcations, r=rejection, n=normalization, which we used to determine the last two rows. N_{K-K} and $N_{K-\pi}$ are the 2-BM normalization values which are used in combination with Table 3 to give the final background in Table 5. For KK (Kpi), $\overline{CkTRS \cdot CkTAIL \cdot BWTRS}$ ($\overline{CpiTRS \cdot CpiTAIL \cdot BWTRS}$) is applied

<i>Bkgrnd</i> ($\times 10^{-3}$)	k034	e787	early	late	pnn2 total
1- <i>BM</i>	3.86 ± 2.36	1.66 ± 1.66	0.61 ± 0.61	3.14 ± 3.14	$2.14 \pm$
2- <i>BM KK</i>	0.983 ± 0.983	145.9 ± 145.9	41.87 ± 48.65	104.49 ± 95.87	$79.82 \pm$
2- <i>BM Kpi</i>	0.106 ± 0.106	19.7 ± 19.7	2.71 ± 3.31	181.49 ± 241.37	$111.1 \pm$
2- <i>BM</i>	1.14 ± 1.14	165.6 ± 165.6	44.58 ± 44.58	285.98 ± 259.71	$190.9 \pm$
<i>Total</i>	5.00 ± 2.62	167.3 ± 167.3	45.19 ± 45.19	289.12 ± 259.75	$191.11 \pm$

Table 5: **Total Background.** pnn2 total is the sum of the early and late parts of the background. early are $run \leq 49151$ (when we had the e787-pnn2 trigger) and late are $run > 49151$ (where we had $ps16 \cdot \overline{C_{pi}}$). 39.4% of the run occurs in the early section. Scaled to the 3/3 sample. k034 column is the result of e949-pnn1 analysis. e787 is the result of the e787-PNN2 analysis. The other columns are current results that are expanded upon throughout the rest of the tables. The errors are statistical. KB_{live} for k034 is 1.77×10^{12} and for e787 is 1.71×10^{12} . e787 background has been scaled up accordingly for comparison purposes.

Table 6: 1-Beam Rejection. Branch no. 1

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>b4abm < **</i>	181105 (0.00)	579855 (1.31)	514 (257.00)	35243 (0.00)	658136 (1.05)	788 (788.00)
<i>BOX</i>	181105 (1.00)	0 (760960.00)	2 (1.00)	35243 (1.00)	0 (693379.00)	1 (1.00)
<i>rsdedxmax</i>	181105 (1.00)	0 (760960.00)	2 (1.00)	35243 (1.00)	0 (693379.00)	1 (1.00)
<i>rsdedxcl</i>	181105 (1.00)	0 (760960.00)	2 (1.00)	35243 (1.00)	0 (693379.00)	1 (1.00)
<i>rslike</i>	181105 (1.00)	0 (760960.00)	2 (1.00)	35243 (1.00)	0 (693379.00)	1 (1.00)
<i>rngmom</i>	169408 (1.07)	222615 (3.42)	6 (3.00)	24780 (1.42)	324611 (2.14)	19 (19.00)
<i>pv(nottg)</i>	117398 (1.44)	326442 (2.33)	7 (3.50)	16403 (1.51)	343845 (2.02)	15 (15.00)
<i>bwtrs</i>	102150 (1.15)	175769 (4.33)	2 (1.00)	13156 (1.25)	164374 (4.22)	1 (1.00)
<i>b4trs</i>	92029 (1.11)	169944 (4.48)	4 (2.00)	11237 (1.17)	161863 (4.28)	1 (1.00)
<i>b4ccd</i>	91972 (1.00)	9140 (83.26)	2 (1.00)	11226 (1.00)	11220 (61.80)	1 (1.00)
<i>tgqualt</i>	86052 (1.07)	54372 (14.00)	2 (1.00)	10307 (1.09)	52939 (13.10)	2 (2.00)
<i>timcon</i>	85635 (1.00)	8947 (85.05)	2 (1.00)	10217 (1.01)	9941 (69.75)	1 (1.00)
<i>epitg</i>	85320 (1.00)	19681 (38.66)	2 (1.00)	10169 (1.00)	24548 (28.25)	1 (1.00)
<i>tger</i>	84963 (1.00)	20708 (36.75)	2 (1.00)	10110 (1.01)	20217 (34.30)	1 (1.00)
<i>targf</i>	81938 (1.04)	104906 (7.25)	5 (2.50)	9674 (1.05)	113976 (6.08)	1 (1.00)
<i>ticcon</i>	81936 (1.00)	115 (6617.04)	2 (1.00)	9674 (1.00)	195 (3555.79)	1 (1.00)
<i>dtgttp</i>	81920 (1.00)	652 (1167.12)	2 (1.00)	9673 (1.00)	463 (1497.58)	1 (1.00)
<i>rtdif</i>	78578 (1.04)	17878 (42.56)	2 (1.00)	9461 (1.02)	9430 (73.53)	1 (1.00)
<i>epimaxk</i>	75283 (1.04)	46836 (16.25)	2 (1.00)	8962 (1.06)	48479 (14.30)	1 (1.00)
<i>drp</i>	73454 (1.02)	13580 (56.04)	2 (1.00)	8738 (1.03)	11951 (58.02)	1 (1.00)
<i>phivtx1</i>	58270 (1.26)	168132 (4.53)	5 (2.50)	6978 (1.25)	159973 (4.33)	2 (2.00)
<i>eiicon</i>	56936 (1.02)	32111 (23.70)	2 (1.00)	6817 (1.02)	31845 (21.77)	1 (1.00)
<i>opsveto</i>	45803 (1.24)	233214 (3.26)	2 (1.00)	5651 (1.21)	228900 (3.03)	3 (3.00)
<i>kic</i>	41072 (1.12)	153224 (4.97)	2 (1.00)	5210 (1.08)	115779 (5.99)	2 (2.00)
<i>tggeo</i>	35807 (1.15)	318014 (2.39)	2 (1.00)	4624 (1.13)	284908 (2.43)	3 (3.00)
<i>tdedge</i>	33336 (1.07)	107754 (7.06)	2 (1.00)	4411 (1.05)	69238 (10.01)	1 (1.00)
<i>tgzfool</i>	33260 (1.00)	12300 (61.87)	2 (1.00)	4401 (1.00)	14042 (49.38)	1 (1.00)
<i>upvtrs</i>	28654 (1.16)	60515 (12.57)	2 (1.00)	4077 (1.08)	22490 (30.83)	1 (1.00)
<i>rvtrs</i>	28536 (1.00)	15488 (49.13)	2 (1.00)	4048 (1.01)	13514 (51.31)	1 (1.00)
<i>tgtcon</i>	27200 (1.05)	60538 (12.57)	6 (3.00)	3945 (1.03)	59246 (11.70)	5 (5.00)
<i>b4etcon</i>	26476 (1.03)	23525 (32.35)	2 (1.00)	3828 (1.03)	18591 (37.30)	1 (1.00)
<i>DELC(0.)</i>	2 (13238.00)	542373 (1.40)	26476 (13238.00)	1 (3828.00)	408582 (1.70)	3828 (3828.00)
Total Rej.	13238.00			3828.00		

Table 7: 1-Beam Rejection. Branch no. 2

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>b4abm < **</i>	181105 (0.00)	579855 (1.31)	233 (116.50)	35243 (0.00)	658136 (1.05)	438 (438.00)
<i>BOX</i>	181105 (1.00)	0 (760960.00)	2 (1.00)	35243 (1.00)	0 (693379.00)	0 (0.00)
<i>rsdedxmax</i>	181105 (1.00)	0 (760960.00)	2 (1.00)	35243 (1.00)	0 (693379.00)	0 (0.00)
<i>rsdedxcl</i>	181105 (1.00)	0 (760960.00)	2 (1.00)	35243 (1.00)	0 (693379.00)	0 (0.00)
<i>rslike</i>	181105 (1.00)	0 (760960.00)	2 (1.00)	35243 (1.00)	0 (693379.00)	0 (0.00)
<i>rngmom</i>	169408 (1.07)	222615 (3.42)	2 (1.00)	24780 (1.42)	324611 (2.14)	0 (0.00)
<i>pv(nottg)</i>	117398 (1.44)	326442 (2.33)	3 (1.50)	16403 (1.51)	343845 (2.02)	10 (10.00)
<i>bwtrs</i>	102150 (1.15)	175769 (4.33)	2 (1.00)	13156 (1.25)	164374 (4.22)	0 (0.00)
<i>b4trs</i>	92029 (1.11)	169944 (4.48)	3 (1.50)	11237 (1.17)	161863 (4.28)	0 (0.00)
<i>b4ccd</i>	91972 (1.00)	9140 (83.26)	2 (1.00)	11226 (1.00)	11220 (61.80)	0 (0.00)
<i>tgqualt</i>	86052 (1.07)	54372 (14.00)	2 (1.00)	10307 (1.09)	52939 (13.10)	1 (1.00)
<i>timcon</i>	85635 (1.00)	8947 (85.05)	2 (1.00)	10217 (1.01)	9941 (69.75)	0 (0.00)
<i>epitg</i>	85320 (1.00)	19681 (38.66)	2 (1.00)	10169 (1.00)	24548 (28.25)	0 (0.00)
<i>tger</i>	84963 (1.00)	20708 (36.75)	2 (1.00)	10110 (1.01)	20217 (34.30)	0 (0.00)
<i>targf</i>	81938 (1.04)	104906 (7.25)	4 (2.00)	9674 (1.05)	113976 (6.08)	0 (0.00)
<i>ticcon</i>	81936 (1.00)	115 (6617.04)	2 (1.00)	9674 (1.00)	195 (3555.79)	0 (0.00)
<i>dtgttp</i>	81920 (1.00)	652 (1167.12)	2 (1.00)	9673 (1.00)	463 (1497.58)	0 (0.00)
<i>rtdif</i>	78578 (1.04)	17878 (42.56)	2 (1.00)	9461 (1.02)	9430 (73.53)	0 (0.00)
<i>epimaxk</i>	75283 (1.04)	46836 (16.25)	2 (1.00)	8962 (1.06)	48479 (14.30)	0 (0.00)
<i>drp</i>	73454 (1.02)	13580 (56.04)	2 (1.00)	8738 (1.03)	11951 (58.02)	0 (0.00)
<i>phivtx1</i>	58270 (1.26)	168132 (4.53)	4 (2.00)	6978 (1.25)	159973 (4.33)	0 (0.00)
<i>eiicon</i>	56936 (1.02)	32111 (23.70)	2 (1.00)	6817 (1.02)	31845 (21.77)	0 (0.00)
<i>opsveto</i>	45803 (1.24)	233214 (3.26)	2 (1.00)	5651 (1.21)	228900 (3.03)	1 (1.00)
<i>kic</i>	41072 (1.12)	153224 (4.97)	2 (1.00)	5210 (1.08)	115779 (5.99)	0 (0.00)
<i>tggeo</i>	35807 (1.15)	318014 (2.39)	2 (1.00)	4624 (1.13)	284908 (2.43)	0 (0.00)
<i>tdedge</i>	33336 (1.07)	107754 (7.06)	2 (1.00)	4411 (1.05)	69238 (10.01)	0 (0.00)
<i>tgzfool</i>	33260 (1.00)	12300 (61.87)	2 (1.00)	4401 (1.00)	14042 (49.38)	0 (0.00)
<i>upvtrs</i>	28654 (1.16)	60515 (12.57)	2 (1.00)	4077 (1.08)	22490 (30.83)	0 (0.00)
<i>rvtrs</i>	28536 (1.00)	15488 (49.13)	2 (1.00)	4048 (1.01)	13514 (51.31)	0 (0.00)
<i>tgtcon</i>	27200 (1.05)	60538 (12.57)	5 (2.50)	3945 (1.03)	59246 (11.70)	2 (2.00)
<i>b4etcon</i>	26476 (1.03)	23525 (32.35)	2 (1.00)	3828 (1.03)	18591 (37.30)	0 (0.00)
<i>pi_flg</i>	26404 (1.00)	25872 (29.41)	2 (1.00)	3820 (1.00)	38791 (17.87)	0 (0.00)
<i>ev502</i>	20941 (1.26)	217461 (3.50)	2 (1.00)	3155 (1.21)	206662 (3.36)	0 (0.00)
<i>elveto</i>	19245 (1.09)	184150 (4.13)	2 (1.00)	2867 (1.10)	233187 (2.97)	0 (0.00)
<i>tdfool</i>	19200 (1.00)	133776 (5.69)	2 (1.00)	2856 (1.00)	184971 (3.75)	0 (0.00)
<i>tdvarnn02</i>	15720 (1.22)	282448 (2.69)	2 (1.00)	2378 (1.20)	333708 (2.08)	0 (0.00)
TD	15720 (1.00)	431912 (1.76)	2 (1.00)	2378 (1.00)	451695 (1.54)	0 (0.00)
<i>DEL</i> C(0.)	2 (7860.00)	542373 (1.40)	15720 (7860.00)	0 (2378.00)	408582 (1.70)	2378 (2378.00)
Total Rej.	7860.00			2378.00		

Table 8: 1-Beam Rejection. Branch no. 3

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>b4abm < **</i>	181105 (0.00)	579855 (1.31)	111 (111.00)	35243 (0.00)	658136 (1.05)	238 (238.00)
<i>BOX</i>	181105 (1.00)	0 (760960.00)	1 (1.00)	35243 (1.00)	0 (693379.00)	0 (0.00)
<i>rsdedxmax</i>	181105 (1.00)	0 (760960.00)	1 (1.00)	35243 (1.00)	0 (693379.00)	0 (0.00)
<i>rsdedxcl</i>	181105 (1.00)	0 (760960.00)	1 (1.00)	35243 (1.00)	0 (693379.00)	0 (0.00)
<i>rslike</i>	181105 (1.00)	0 (760960.00)	1 (1.00)	35243 (1.00)	0 (693379.00)	0 (0.00)
<i>rngmom</i>	169408 (1.07)	222615 (3.42)	1 (1.00)	24780 (1.42)	324611 (2.14)	0 (0.00)
<i>pv(nottg)</i>	117398 (1.44)	326442 (2.33)	1 (1.00)	16403 (1.51)	343845 (2.02)	2 (2.00)
<i>bwtrs</i>	102150 (1.15)	175769 (4.33)	1 (1.00)	13156 (1.25)	164374 (4.22)	0 (0.00)
<i>b4trs</i>	92029 (1.11)	169944 (4.48)	1 (1.00)	11237 (1.17)	161863 (4.28)	0 (0.00)
<i>b4ccd</i>	91972 (1.00)	9140 (83.26)	1 (1.00)	11226 (1.00)	11220 (61.80)	0 (0.00)
<i>tgqualt</i>	86052 (1.07)	54372 (14.00)	1 (1.00)	10307 (1.09)	52939 (13.10)	0 (0.00)
<i>timcon</i>	85635 (1.00)	8947 (85.05)	1 (1.00)	10217 (1.01)	9941 (69.75)	0 (0.00)
<i>epitg</i>	85320 (1.00)	19681 (38.66)	1 (1.00)	10169 (1.00)	24548 (28.25)	0 (0.00)
<i>tger</i>	84963 (1.00)	20708 (36.75)	1 (1.00)	10110 (1.01)	20217 (34.30)	0 (0.00)
<i>targf</i>	81938 (1.04)	104906 (7.25)	1 (1.00)	9674 (1.05)	113976 (6.08)	0 (0.00)
<i>ticcon</i>	81936 (1.00)	115 (6617.04)	1 (1.00)	9674 (1.00)	195 (3555.79)	0 (0.00)
<i>dtgttp</i>	81920 (1.00)	652 (1167.12)	1 (1.00)	9673 (1.00)	463 (1497.58)	0 (0.00)
<i>rtdif</i>	78578 (1.04)	17878 (42.56)	1 (1.00)	9461 (1.02)	9430 (73.53)	0 (0.00)
<i>epimaxk</i>	75283 (1.04)	46836 (16.25)	1 (1.00)	8962 (1.06)	48479 (14.30)	0 (0.00)
<i>drp</i>	73454 (1.02)	13580 (56.04)	1 (1.00)	8738 (1.03)	11951 (58.02)	0 (0.00)
<i>phivtx1</i>	58270 (1.26)	168132 (4.53)	1 (1.00)	6978 (1.25)	159973 (4.33)	0 (0.00)
<i>eiicon</i>	56936 (1.02)	32111 (23.70)	1 (1.00)	6817 (1.02)	31845 (21.77)	0 (0.00)
<i>opsveto</i>	45803 (1.24)	233214 (3.26)	1 (1.00)	5651 (1.21)	228900 (3.03)	1 (1.00)
<i>kic</i>	41072 (1.12)	153224 (4.97)	1 (1.00)	5210 (1.08)	115779 (5.99)	0 (0.00)
<i>tggeo</i>	35807 (1.15)	318014 (2.39)	1 (1.00)	4624 (1.13)	284908 (2.43)	0 (0.00)
<i>tdedge</i>	33336 (1.07)	107754 (7.06)	1 (1.00)	4411 (1.05)	69238 (10.01)	0 (0.00)
<i>tgzfool</i>	33260 (1.00)	12300 (61.87)	1 (1.00)	4401 (1.00)	14042 (49.38)	0 (0.00)
<i>upvtrs</i>	28654 (1.16)	60515 (12.57)	1 (1.00)	4077 (1.08)	22490 (30.83)	0 (0.00)
<i>rvtrs</i>	28536 (1.00)	15488 (49.13)	1 (1.00)	4048 (1.01)	13514 (51.31)	0 (0.00)
<i>tgtcon</i>	27200 (1.05)	60538 (12.57)	3 (3.00)	3945 (1.03)	59246 (11.70)	0 (0.00)
<i>b4etcon</i>	26476 (1.03)	23525 (32.35)	1 (1.00)	3828 (1.03)	18591 (37.30)	0 (0.00)
<i>pi_flg</i>	26404 (1.00)	25872 (29.41)	1 (1.00)	3820 (1.00)	38791 (17.87)	0 (0.00)
<i>ev502</i>	20941 (1.26)	217461 (3.50)	1 (1.00)	3155 (1.21)	206662 (3.36)	0 (0.00)
<i>elveto</i>	19245 (1.09)	184150 (4.13)	1 (1.00)	2867 (1.10)	233187 (2.97)	0 (0.00)
<i>tdfool</i>	19200 (1.00)	133776 (5.69)	1 (1.00)	2856 (1.00)	184971 (3.75)	0 (0.00)
<i>tdvarnn02</i>	15720 (1.22)	282448 (2.69)	1 (1.00)	2378 (1.20)	333708 (2.08)	0 (0.00)
TD	15720 (1.00)	431912 (1.76)	1 (1.00)	2378 (1.00)	451695 (1.54)	0 (0.00)
<i>BOX</i>	15720 (1.00)	0 (760960.00)	1 (1.00)	2378 (1.00)	0 (693379.00)	0 (0.00)
<i>icodel14</i>	15720 (1.00)	4 (190240.00)	1 (1.00)	2378 (1.00)	3 (231126.00)	0 (0.00)
<i>cos3d</i>	14853 (1.06)	58076 (13.10)	1 (1.00)	2285 (1.04)	51291 (13.52)	0 (0.00)
<i>layv4</i>	14853 (1.00)	0 (760960.00)	1 (1.00)	2285 (1.00)	0 (693379.00)	0 (0.00)
<i>zfrf</i>	14848 (1.00)	822 (925.74)	1 (1.00)	2285 (1.00)	873 (794.25)	0 (0.00)
<i>zutout</i>	14844 (1.00)	591 (1287.58)	1 (1.00)	2285 (1.00)	495 (1400.77)	0 (0.00)
FIDUCIAL	14844 (1.00)	59159 (12.86)	1 (1.00)	2285 (1.00)	52365 (13.24)	0 (0.00)
<i>utqual</i>	12945 (1.15)	153510 (4.96)	1 (1.00)	2036 (1.12)	140580 (4.93)	0 (0.00)
<i>rsdedxcl</i>	12945 (1.00)	0 (760960.00)	1 (1.00)	2036 (1.00)	0 (693379.00)	0 (0.00)
<i>rsdedxmax</i>	12945 (1.00)	0 (760960.00)	1 (1.00)	2036 (1.00)	0 (693379.00)	0 (0.00)
<i>rslike</i>	12945 (1.00)	0 (760960.00)	1 (1.00)	2036 (1.00)	0 (693379.00)	0 (0.00)
<i>rngmom</i>	12945 (1.00)	222615 (3.42)	1 (1.00)	2036 (1.00)	324611 (2.14)	0 (0.00)

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Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>prrf1</i>	12525 (1.03)	24461 (31.11)	1 (1.00)	1982 (1.03)	23079 (30.04)	0 (0.00)
<i>prrfz</i>	11947 (1.05)	51701 (14.72)	1 (1.00)	1909 (1.04)	39032 (17.76)	0 (0.00)
PRRF	11947 (1.00)	73590 (10.34)	1 (1.00)	1909 (1.00)	59946 (11.57)	0 (0.00)
<i>rtghi</i>	11941 (1.00)	2454 (310.09)	1 (1.00)	1907 (1.00)	2507 (276.58)	0 (0.00)
<i>etghi</i>	11816 (1.01)	18402 (41.35)	1 (1.00)	1882 (1.01)	17492 (39.64)	0 (0.00)
<i>tgdedx1</i>	10591 (1.12)	136066 (5.59)	1 (1.00)	1673 (1.12)	126292 (5.49)	0 (0.00)
<i>tgdedx2</i>	10256 (1.03)	63553 (11.97)	1 (1.00)	1608 (1.04)	58299 (11.89)	0 (0.00)
tgdedx	10256 (1.00)	210199 (3.62)	1 (1.00)	1608 (1.00)	194980 (3.56)	0 (0.00)
<i>tglike1</i>	9767 (1.05)	108221 (7.03)	1 (1.00)	1537 (1.05)	103520 (6.70)	0 (0.00)
<i>tglike2</i>	9329 (1.05)	97566 (7.80)	1 (1.00)	1446 (1.06)	91289 (7.60)	0 (0.00)
TGLIKE	9329 (1.00)	146750 (5.19)	1 (1.00)	1446 (1.00)	138653 (5.00)	0 (0.00)
<i>tgdb4</i>	9100 (1.03)	60715 (12.53)	1 (1.00)	1382 (1.05)	58646 (11.82)	0 (0.00)
<i>tgdb4tip</i>	6504 (1.40)	207353 (3.67)	1 (1.00)	1252 (1.10)	146730 (4.73)	0 (0.00)
<i>tgdvxtip</i>	5560 (1.17)	124720 (6.10)	1 (1.00)	1165 (1.07)	69571 (9.97)	0 (0.00)
<i>tgdvxpi</i>	5105 (1.09)	86434 (8.80)	1 (1.00)	1019 (1.14)	72568 (9.55)	0 (0.00)
TGB4	5105 (1.00)	313199 (2.43)	1 (1.00)	1019 (1.00)	222582 (3.12)	0 (0.00)
<i>pigap</i>	4928 (1.04)	68449 (11.12)	1 (1.00)	956 (1.07)	66834 (10.37)	0 (0.00)
KIN	4928 (1.00)	644621 (1.18)	1 (1.00)	956 (1.00)	604818 (1.15)	0 (0.00)
<i>DELC(0.)</i>	1 (4928.00)	542373 (1.40)	4928 (4928.00)	0 (956.00)	408582 (1.70)	956 (956.00)
Total Rej.	4928.00			956.00		

Table 9: 1-Beam Normalization. Branch no. 1

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	0 (0.00)	693379 (0.00)	0 (693379.00)	1 (1.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	0 (0.00)	693379 (1.00)	0 (693379.00)	1 (1.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	0 (0.00)	693379 (1.00)	0 (693379.00)	1 (1.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	0 (0.00)	693379 (1.00)	0 (693379.00)	1 (1.00)
<i>rngmom</i>	538345 (1.41)	222615 (3.42)	0 (0.00)	368768 (1.88)	324611 (2.14)	1 (1.00)
<i>BOX</i>	538345 (1.00)	0 (760960.00)	0 (0.00)	368768 (1.00)	0 (693379.00)	1 (1.00)
<i>icodel14</i>	538345 (1.00)	4 (190240.00)	0 (0.00)	368768 (1.00)	3 (231126.00)	1 (1.00)
<i>cos3d</i>	490013 (1.10)	58076 (13.10)	0 (0.00)	330431 (1.12)	51291 (13.52)	1 (1.00)
<i>layv4</i>	490013 (1.00)	0 (760960.00)	0 (0.00)	330431 (1.00)	0 (693379.00)	1 (1.00)
<i>zfrf</i>	489693 (1.00)	822 (925.74)	0 (0.00)	330216 (1.00)	873 (794.25)	1 (1.00)
<i>zutout</i>	489392 (1.00)	591 (1287.58)	0 (0.00)	330017 (1.00)	495 (1400.77)	1 (1.00)
FIDUCIAL	489392 (1.00)	59159 (12.86)	0 (0.00)	330017 (1.00)	52365 (13.24)	1 (1.00)
<i>utqual</i>	405961 (1.21)	153510 (4.96)	0 (0.00)	272012 (1.21)	140580 (4.93)	1 (1.00)
<i>rsdedxcl</i>	405961 (1.00)	0 (760960.00)	0 (0.00)	272012 (1.00)	0 (693379.00)	1 (1.00)
<i>rsdedxmax</i>	405961 (1.00)	0 (760960.00)	0 (0.00)	272012 (1.00)	0 (693379.00)	1 (1.00)
<i>rslike</i>	405961 (1.00)	0 (760960.00)	0 (0.00)	272012 (1.00)	0 (693379.00)	1 (1.00)
<i>tgtim</i>	405961 (1.00)	0 (760960.00)	0 (0.00)	272012 (1.00)	0 (693379.00)	1 (1.00)
<i>rngmom</i>	405961 (1.00)	222615 (3.42)	0 (0.00)	272012 (1.00)	324611 (2.14)	1 (1.00)
<i>prrf1</i>	394844 (1.03)	24461 (31.11)	0 (0.00)	265791 (1.02)	23079 (30.04)	1 (1.00)
<i>prrfz</i>	372781 (1.06)	51701 (14.72)	0 (0.00)	252875 (1.05)	39032 (17.76)	1 (1.00)
PRRF	372781 (1.00)	73590 (10.34)	0 (0.00)	252875 (1.00)	59946 (11.57)	1 (1.00)
<i>rtghi</i>	372254 (1.00)	2454 (310.09)	0 (0.00)	252523 (1.00)	2507 (276.58)	1 (1.00)
<i>etghi</i>	364969 (1.02)	18402 (41.35)	0 (0.00)	247157 (1.02)	17492 (39.64)	1 (1.00)
<i>tgdedx1</i>	284375 (1.28)	136066 (5.59)	0 (0.00)	177752 (1.39)	126292 (5.49)	1 (1.00)
<i>tgdedx2</i>	258463 (1.10)	63553 (11.97)	0 (0.00)	160224 (1.11)	58299 (11.89)	1 (1.00)
TGDEDX	258463 (1.00)	210199 (3.62)	0 (0.00)	160224 (1.00)	194980 (3.56)	1 (1.00)
<i>tglike1</i>	235173 (1.10)	108221 (7.03)	0 (0.00)	143489 (1.12)	103520 (6.70)	1 (1.00)
<i>tglike2</i>	222102 (1.06)	97566 (7.80)	0 (0.00)	135827 (1.06)	91289 (7.60)	1 (1.00)
TGLIKE	222102 (1.00)	146750 (5.19)	0 (0.00)	135827 (1.00)	138653 (5.00)	1 (1.00)
<i>tgdb4</i>	205505 (1.08)	60715 (12.53)	0 (0.00)	122770 (1.11)	58646 (11.82)	1 (1.00)
<i>tgdb4tip</i>	153700 (1.34)	207353 (3.67)	0 (0.00)	106851 (1.15)	146730 (4.73)	1 (1.00)
<i>tgdvxtip</i>	132163 (1.16)	124720 (6.10)	0 (0.00)	99113 (1.08)	69571 (9.97)	1 (1.00)
<i>tgdvxpi</i>	123028 (1.07)	86434 (8.80)	0 (0.00)	93218 (1.06)	72568 (9.55)	1 (1.00)
TGB4	123028 (1.00)	313199 (2.43)	0 (0.00)	93218 (1.00)	222582 (3.12)	1 (1.00)
<i>pigap</i>	116339 (1.06)	68449 (11.12)	0 (0.00)	88561 (1.05)	66834 (10.37)	1 (1.00)
KIN	116339 (1.00)	644621 (1.18)	0 (0.00)	88561 (1.00)	604818 (1.15)	1 (1.00)
<i>tgpv</i>	85066 (1.37)	228468 (3.33)	0 (0.00)	52660 (1.68)	263566 (2.63)	1 (1.00)
<i>bwtrs</i>	75484 (1.13)	175769 (4.33)	0 (0.00)	48142 (1.09)	164374 (4.22)	1 (1.00)
<i>b4trs</i>	68677 (1.10)	169944 (4.48)	0 (0.00)	44164 (1.09)	161863 (4.28)	1 (1.00)
<i>b4ccd</i>	68207 (1.01)	9140 (83.26)	0 (0.00)	43627 (1.01)	11220 (61.80)	1 (1.00)
<i>tgqualt</i>	62580 (1.09)	54372 (14.00)	0 (0.00)	39197 (1.11)	52939 (13.10)	1 (1.00)
<i>timcon</i>	62179 (1.01)	8947 (85.05)	0 (0.00)	38732 (1.01)	9941 (69.75)	1 (1.00)
<i>epitg</i>	62110 (1.00)	19681 (38.66)	0 (0.00)	38646 (1.00)	24548 (28.25)	1 (1.00)
<i>tger</i>	62085 (1.00)	20708 (36.75)	0 (0.00)	38627 (1.00)	20217 (34.30)	1 (1.00)
<i>targf</i>	59356 (1.05)	104906 (7.25)	0 (0.00)	36449 (1.06)	113976 (6.08)	1 (1.00)
<i>ticcon</i>	59355 (1.00)	115 (6617.04)	0 (0.00)	36449 (1.00)	195 (3555.79)	1 (1.00)
<i>dtgttp</i>	59355 (1.00)	652 (1167.12)	0 (0.00)	36449 (1.00)	463 (1497.58)	1 (1.00)
<i>rtdif</i>	58421 (1.02)	17878 (42.56)	0 (0.00)	35911 (1.01)	9430 (73.53)	1 (1.00)
<i>epimaxk</i>	57305 (1.02)	46836 (16.25)	0 (0.00)	35157 (1.02)	48479 (14.30)	1 (1.00)

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Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>drp</i>	56912 (1.01)	13580 (56.04)	0 (0.00)	34891 (1.01)	11951 (58.02)	1 (1.00)
<i>phivtx1</i>	48225 (1.18)	168132 (4.53)	0 (0.00)	29396 (1.19)	159973 (4.33)	1 (1.00)
<i>ecccon</i>	47141 (1.02)	32111 (23.70)	0 (0.00)	28757 (1.02)	31845 (21.77)	1 (1.00)
<i>opsveto</i>	39495 (1.19)	233214 (3.26)	0 (0.00)	24653 (1.17)	228900 (3.03)	1 (1.00)
<i>kic</i>	34726 (1.14)	153224 (4.97)	0 (0.00)	23270 (1.06)	115779 (5.99)	1 (1.00)
<i>tggeo</i>	28906 (1.20)	318014 (2.39)	0 (0.00)	18916 (1.23)	284908 (2.43)	1 (1.00)
<i>tdedge</i>	28014 (1.03)	107754 (7.06)	0 (0.00)	18577 (1.02)	69238 (10.01)	1 (1.00)
<i>tgzfool</i>	28000 (1.00)	12300 (61.87)	0 (0.00)	18574 (1.00)	14042 (49.38)	1 (1.00)
<i>upvtrs</i>	25093 (1.12)	60515 (12.57)	0 (0.00)	18012 (1.03)	22490 (30.83)	1 (1.00)
<i>rvtrs</i>	24993 (1.00)	15488 (49.13)	0 (0.00)	17943 (1.00)	13514 (51.31)	1 (1.00)
<i>tgtcon</i>	22319 (1.12)	60538 (12.57)	0 (0.00)	14266 (1.26)	59246 (11.70)	2 (2.00)
<i>b4etcon</i>	21824 (1.02)	23525 (32.35)	0 (0.00)	14085 (1.01)	18591 (37.30)	1 (1.00)
<i>b4ekz</i>	7338 (2.97)	519909 (1.46)	0 (0.00)	8559 (1.65)	398844 (1.74)	1 (1.00)
<i>b4ekzic</i>	7338 (1.00)	78431 (9.70)	0 (0.00)	8559 (1.00)	66655 (10.40)	1 (1.00)
<i>b4tim</i>	4855 (1.51)	393633 (1.93)	1 (1.00)	6767 (1.26)	257503 (2.69)	2 (2.00)
<i>tgktim</i>	4855 (1.00)	0 (760960.00)	0 (0.00)	6767 (1.00)	0 (693379.00)	1 (1.00)
<i>tgenr</i>	4810 (1.01)	92499 (8.23)	0 (0.00)	6683 (1.01)	88431 (7.84)	1 (1.00)
<i>chi567</i>	3054 (1.57)	509863 (1.49)	0 (0.00)	4243 (1.58)	469182 (1.48)	1 (1.00)
<i>npitg</i>	3054 (1.00)	54372 (14.00)	0 (0.00)	4243 (1.00)	52939 (13.10)	1 (1.00)
<i>verrng</i>	2606 (1.17)	320703 (2.37)	0 (0.00)	3647 (1.16)	296173 (2.34)	1 (1.00)
<i>chi5max</i>	2518 (1.03)	225182 (3.38)	0 (0.00)	3539 (1.03)	206762 (3.35)	1 (1.00)
<i>angli</i>	2511 (1.00)	53396 (14.25)	0 (0.00)	3532 (1.00)	51432 (13.48)	1 (1.00)
<i>ALLK fit</i>	2062 (1.22)	290248 (2.62)	0 (0.00)	3002 (1.18)	196022 (3.54)	1 (1.00)
<i>tpics</i>	1877 (1.10)	97657 (7.79)	0 (0.00)	2755 (1.09)	93583 (7.41)	1 (1.00)
<i>epionk</i>	1847 (1.02)	21888 (34.77)	0 (0.00)	2698 (1.02)	29383 (23.60)	1 (1.00)
<i>ccd pul</i>	936 (1.97)	197372 (3.86)	0 (0.00)	1247 (2.16)	189454 (3.66)	1 (1.00)
<i>timkf</i>	608 (1.54)	551749 (1.38)	2 (2.00)	857 (1.46)	432126 (1.60)	3 (3.00)
DEL C(0.)	250 (2.43)	218587 (3.48)	5 (5.00)	308 (2.78)	284797 (2.43)	16 (16.00)
<i>cpitrs</i>	246 (1.02)	316833 (2.40)	1 (1.00)	308 (1.00)	15609 (44.42)	1 (1.00)
<i>cpitail</i>	246 (1.00)	56363 (13.50)	0 (0.00)	308 (1.00)	1663 (416.94)	1 (1.00)
<i>b4dedx</i>	245 (1.00)	211908 (3.59)	0 (0.00)	304 (1.01)	48934 (14.17)	1 (1.00)
<i>cktrs</i>	96 (2.55)	266358 (2.86)	5 (5.00)	138 (2.20)	391379 (1.77)	10 (10.00)
<i>cktail</i>	64 (1.50)	170164 (4.47)	1 (1.00)	111 (1.24)	211738 (3.27)	1 (1.00)
<i>PV</i>	1 (64.00)	432518 (1.76)	33 (33.00)	3 (37.00)	455306 (1.52)	67 (67.00)
<i>pi flg</i>	1 (1.00)	25872 (29.41)	0 (0.00)	3 (1.00)	38791 (17.87)	1 (1.00)
<i>ev502</i>	0 (1.00)	217461 (3.50)	0 (0.00)	2 (1.50)	206662 (3.36)	1 (1.00)
<i>elveto</i>	0 (0.00)	184150 (4.13)	0 (0.00)	2 (1.00)	233187 (2.97)	1 (1.00)
<i>tdfool</i>	0 (0.00)	133776 (5.69)	0 (0.00)	2 (1.00)	184971 (3.75)	1 (1.00)
<i>tdvarnn02</i>	0 (0.00)	282448 (2.69)	0 (0.00)	1 (2.00)	333708 (2.08)	1 (1.00)
TD	0 (0.00)	431912 (1.76)	0 (0.00)	1 (1.00)	451695 (1.54)	1 (1.00)
Total Rej.	250.00			308.00		

Table 10: 1-Beam Normalization. Branch no. 2

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	23 (1.00)	693379 (0.00)	0 (693379.00)	26 (1.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	23 (1.00)	693379 (1.00)	0 (693379.00)	26 (1.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	23 (1.00)	693379 (1.00)	0 (693379.00)	26 (1.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	23 (1.00)	693379 (1.00)	0 (693379.00)	26 (1.00)
<i>rngmom</i>	538345 (1.41)	222615 (3.42)	23 (1.00)	368768 (1.88)	324611 (2.14)	26 (1.00)
<i>BOX</i>	538345 (1.00)	0 (760960.00)	23 (1.00)	368768 (1.00)	0 (693379.00)	26 (1.00)
<i>icodel14</i>	538345 (1.00)	4 (190240.00)	23 (1.00)	368768 (1.00)	3 (231126.00)	26 (1.00)
<i>cos3d</i>	490013 (1.10)	58076 (13.10)	23 (1.00)	330431 (1.12)	51291 (13.52)	26 (1.00)
<i>layv4</i>	490013 (1.00)	0 (760960.00)	23 (1.00)	330431 (1.00)	0 (693379.00)	26 (1.00)
<i>zfrf</i>	489693 (1.00)	822 (925.74)	23 (1.00)	330216 (1.00)	873 (794.25)	26 (1.00)
<i>zutout</i>	489392 (1.00)	591 (1287.58)	23 (1.00)	330017 (1.00)	495 (1400.77)	26 (1.00)
FIDUCIAL	489392 (1.00)	59159 (12.86)	23 (1.00)	330017 (1.00)	52365 (13.24)	26 (1.00)
<i>utqual</i>	405961 (1.21)	153510 (4.96)	23 (1.00)	272012 (1.21)	140580 (4.93)	26 (1.00)
<i>rsdedxcl</i>	405961 (1.00)	0 (760960.00)	23 (1.00)	272012 (1.00)	0 (693379.00)	26 (1.00)
<i>rsdedxmax</i>	405961 (1.00)	0 (760960.00)	23 (1.00)	272012 (1.00)	0 (693379.00)	26 (1.00)
<i>rslike</i>	405961 (1.00)	0 (760960.00)	23 (1.00)	272012 (1.00)	0 (693379.00)	26 (1.00)
<i>tgktim</i>	405961 (1.00)	0 (760960.00)	23 (1.00)	272012 (1.00)	0 (693379.00)	26 (1.00)
<i>rngmom</i>	405961 (1.00)	222615 (3.42)	23 (1.00)	272012 (1.00)	324611 (2.14)	26 (1.00)
<i>prrf1</i>	394844 (1.03)	24461 (31.11)	23 (1.00)	265791 (1.02)	23079 (30.04)	26 (1.00)
<i>prrfz</i>	372781 (1.06)	51701 (14.72)	23 (1.00)	252875 (1.05)	39032 (17.76)	26 (1.00)
PRRF	372781 (1.00)	73590 (10.34)	23 (1.00)	252875 (1.00)	59946 (11.57)	26 (1.00)
<i>rtghi</i>	372254 (1.00)	2454 (310.09)	23 (1.00)	252523 (1.00)	2507 (276.58)	26 (1.00)
<i>etghi</i>	364969 (1.02)	18402 (41.35)	23 (1.00)	247157 (1.02)	17492 (39.64)	26 (1.00)
<i>tgdedx1</i>	284375 (1.28)	136066 (5.59)	23 (1.00)	177752 (1.39)	126292 (5.49)	26 (1.00)
<i>tgdedx2</i>	258463 (1.10)	63553 (11.97)	23 (1.00)	160224 (1.11)	58299 (11.89)	26 (1.00)
tgdedx	258463 (1.00)	210199 (3.62)	23 (1.00)	160224 (1.00)	194980 (3.56)	26 (1.00)
<i>tglike1</i>	235173 (1.10)	108221 (7.03)	23 (1.00)	143489 (1.12)	103520 (6.70)	26 (1.00)
<i>tglike2</i>	222102 (1.06)	97566 (7.80)	23 (1.00)	135827 (1.06)	91289 (7.60)	26 (1.00)
TGLIKE	222102 (1.00)	146750 (5.19)	23 (1.00)	135827 (1.00)	138653 (5.00)	26 (1.00)
<i>tgdb4</i>	205505 (1.08)	60715 (12.53)	23 (1.00)	122770 (1.11)	58646 (11.82)	26 (1.00)
<i>tgdb4tip</i>	153700 (1.34)	207353 (3.67)	23 (1.00)	106851 (1.15)	146730 (4.73)	26 (1.00)
<i>tgdvxtip</i>	132163 (1.16)	124720 (6.10)	23 (1.00)	99113 (1.08)	69571 (9.97)	26 (1.00)
<i>tgdvxpi</i>	123028 (1.07)	86434 (8.80)	23 (1.00)	93218 (1.06)	72568 (9.55)	26 (1.00)
TGB4	123028 (1.00)	313199 (2.43)	23 (1.00)	93218 (1.00)	222582 (3.12)	26 (1.00)
<i>pigap</i>	116339 (1.06)	68449 (11.12)	23 (1.00)	88561 (1.05)	66834 (10.37)	26 (1.00)
KIN	116339 (1.00)	644621 (1.18)	23 (1.00)	88561 (1.00)	604818 (1.15)	26 (1.00)
<i>tgpv</i>	85066 (1.37)	228468 (3.33)	23 (1.00)	52660 (1.68)	263566 (2.63)	26 (1.00)
<i>bwtrs</i>	75484 (1.13)	175769 (4.33)	25 (1.09)	48142 (1.09)	164374 (4.22)	31 (1.19)
<i>b4trs</i>	68677 (1.10)	169944 (4.48)	26 (1.13)	44164 (1.09)	161863 (4.28)	26 (1.00)
<i>b4ccd</i>	68207 (1.01)	9140 (83.26)	23 (1.00)	43627 (1.01)	11220 (61.80)	26 (1.00)
<i>tgqualt</i>	62580 (1.09)	54372 (14.00)	23 (1.00)	39197 (1.11)	52939 (13.10)	26 (1.00)
<i>timcon</i>	62179 (1.01)	8947 (85.05)	23 (1.00)	38732 (1.01)	9941 (69.75)	26 (1.00)
<i>epitg</i>	62110 (1.00)	19681 (38.66)	23 (1.00)	38646 (1.00)	24548 (28.25)	26 (1.00)
<i>tger</i>	62085 (1.00)	20708 (36.75)	23 (1.00)	38627 (1.00)	20217 (34.30)	26 (1.00)
<i>targf</i>	59356 (1.05)	104906 (7.25)	23 (1.00)	36449 (1.06)	113976 (6.08)	26 (1.00)
<i>ticcon</i>	59355 (1.00)	115 (6617.04)	23 (1.00)	36449 (1.00)	195 (3555.79)	26 (1.00)
<i>dtgttp</i>	59355 (1.00)	652 (1167.12)	23 (1.00)	36449 (1.00)	463 (1497.58)	26 (1.00)
<i>rtdif</i>	58421 (1.02)	17878 (42.56)	24 (1.04)	35911 (1.01)	9430 (73.53)	26 (1.00)
<i>epimaxk</i>	57305 (1.02)	46836 (16.25)	23 (1.00)	35157 (1.02)	48479 (14.30)	26 (1.00)

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Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>drp</i>	56912 (1.01)	13580 (56.04)	23 (1.00)	34891 (1.01)	11951 (58.02)	26 (1.00)
<i>phivtx1</i>	48225 (1.18)	168132 (4.53)	23 (1.00)	29396 (1.19)	159973 (4.33)	27 (1.04)
<i>ecccon</i>	47141 (1.02)	32111 (23.70)	25 (1.09)	28757 (1.02)	31845 (21.77)	26 (1.00)
<i>opsveto</i>	39495 (1.19)	233214 (3.26)	31 (1.35)	24653 (1.17)	228900 (3.03)	39 (1.50)
<i>kic</i>	34726 (1.14)	153224 (4.97)	24 (1.04)	23270 (1.06)	115779 (5.99)	26 (1.00)
<i>tggeo</i>	28906 (1.20)	318014 (2.39)	27 (1.17)	18916 (1.23)	284908 (2.43)	31 (1.19)
<i>tdedge</i>	28014 (1.03)	107754 (7.06)	23 (1.00)	18577 (1.02)	69238 (10.01)	26 (1.00)
<i>tgzfool</i>	28000 (1.00)	12300 (61.87)	23 (1.00)	18574 (1.00)	14042 (49.38)	26 (1.00)
<i>upvtrs</i>	25093 (1.12)	60515 (12.57)	24 (1.04)	18012 (1.03)	22490 (30.83)	28 (1.08)
<i>rvtrs</i>	24993 (1.00)	15488 (49.13)	23 (1.00)	17943 (1.00)	13514 (51.31)	26 (1.00)
<i>tgtcon</i>	22319 (1.12)	60538 (12.57)	23 (1.00)	14266 (1.26)	59246 (11.70)	26 (1.00)
<i>b4etcon</i>	21824 (1.02)	23525 (32.35)	23 (1.00)	14085 (1.01)	18591 (37.30)	26 (1.00)
<i>b4ekz</i>	7338 (2.97)	519909 (1.46)	43 (1.87)	8559 (1.65)	398844 (1.74)	48 (1.85)
<i>b4ekzic</i>	7338 (1.00)	78431 (9.70)	23 (1.00)	8559 (1.00)	66655 (10.40)	26 (1.00)
<i>b4tim</i>	4855 (1.51)	393633 (1.93)	24 (1.04)	6767 (1.26)	257503 (2.69)	27 (1.04)
<i>tgktim</i>	4855 (1.00)	0 (760960.00)	23 (1.00)	6767 (1.00)	0 (693379.00)	26 (1.00)
<i>tgenr</i>	4810 (1.01)	92499 (8.23)	23 (1.00)	6683 (1.01)	88431 (7.84)	26 (1.00)
<i>chi567</i>	3054 (1.57)	509863 (1.49)	29 (1.26)	4243 (1.58)	469182 (1.48)	37 (1.42)
<i>npitg</i>	3054 (1.00)	54372 (14.00)	23 (1.00)	4243 (1.00)	52939 (13.10)	26 (1.00)
<i>verrng</i>	2606 (1.17)	320703 (2.37)	30 (1.30)	3647 (1.16)	296173 (2.34)	35 (1.35)
<i>chi5max</i>	2518 (1.03)	225182 (3.38)	24 (1.04)	3539 (1.03)	206762 (3.35)	27 (1.04)
<i>angli</i>	2511 (1.00)	53396 (14.25)	23 (1.00)	3532 (1.00)	51432 (13.48)	26 (1.00)
<i>ALLK fit</i>	2062 (1.22)	290248 (2.62)	54 (2.35)	3002 (1.18)	196022 (3.54)	72 (2.77)
<i>tpics</i>	1877 (1.10)	97657 (7.79)	25 (1.09)	2755 (1.09)	93583 (7.41)	30 (1.15)
<i>epionk</i>	1847 (1.02)	21888 (34.77)	23 (1.00)	2698 (1.02)	29383 (23.60)	26 (1.00)
<i>ccdpul</i>	936 (1.97)	197372 (3.86)	26 (1.13)	1247 (2.16)	189454 (3.66)	38 (1.46)
<i>timkf</i>	608 (1.54)	551749 (1.38)	33 (1.43)	857 (1.46)	432126 (1.60)	37 (1.42)
<i>DEL(0.)</i>	250 (2.43)	218587 (3.48)	23 (1.00)	308 (2.78)	284797 (2.43)	27 (1.04)
<i>cpitrs</i>	246 (1.02)	316833 (2.40)	23 (1.00)	308 (1.00)	15609 (44.42)	26 (1.00)
<i>cpitail</i>	246 (1.00)	56363 (13.50)	23 (1.00)	308 (1.00)	1663 (416.94)	26 (1.00)
<i>b4dedx</i>	245 (1.00)	211908 (3.59)	23 (1.00)	304 (1.01)	48934 (14.17)	28 (1.08)
<i>cktrs · cktail</i>	181 (1.35)	460508 (1.65)	23 (1.00)	193 (1.58)	272472 (2.54)	27 (1.04)
<i>PV</i>	39 (4.64)	432518 (1.76)	101 (4.39)	44 (4.39)	455306 (1.52)	119 (4.58)
<i>pi_flg</i>	39 (1.00)	25872 (29.41)	23 (1.00)	44 (1.00)	38791 (17.87)	26 (1.00)
<i>ev502</i>	29 (1.34)	217461 (3.50)	23 (1.00)	34 (1.29)	206662 (3.36)	26 (1.00)
<i>elveto</i>	27 (1.07)	184150 (4.13)	23 (1.00)	31 (1.10)	233187 (2.97)	26 (1.00)
<i>tdfool</i>	27 (1.00)	133776 (5.69)	23 (1.00)	31 (1.00)	184971 (3.75)	26 (1.00)
<i>tdvarnn02</i>	23 (1.17)	282448 (2.69)	23 (1.00)	26 (1.19)	333708 (2.08)	26 (1.00)
TD	23 (1.00)	431912 (1.76)	23 (1.00)	26 (1.00)	451695 (1.54)	26 (1.00)
Total Rej.	7.87			7.42		

Table 11: 1-Beam Normalization. Branch no. 3

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	64 (1.00)	693379 (0.00)	0 (693379.00)	110 (1.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	64 (1.00)	693379 (1.00)	0 (693379.00)	110 (1.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	64 (1.00)	693379 (1.00)	0 (693379.00)	110 (1.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	64 (1.00)	693379 (1.00)	0 (693379.00)	110 (1.00)
<i>rngmom</i>	538345 (1.41)	222615 (3.42)	64 (1.00)	368768 (1.88)	324611 (2.14)	110 (1.00)
<i>BOX</i>	538345 (1.00)	0 (760960.00)	64 (1.00)	368768 (1.00)	0 (693379.00)	110 (1.00)
<i>icodel14</i>	538345 (1.00)	4 (190240.00)	64 (1.00)	368768 (1.00)	3 (231126.00)	110 (1.00)
<i>cos3d</i>	490013 (1.10)	58076 (13.10)	64 (1.00)	330431 (1.12)	51291 (13.52)	110 (1.00)
<i>layv4</i>	490013 (1.00)	0 (760960.00)	64 (1.00)	330431 (1.00)	0 (693379.00)	110 (1.00)
<i>zfrf</i>	489693 (1.00)	822 (925.74)	64 (1.00)	330216 (1.00)	873 (794.25)	110 (1.00)
<i>zutout</i>	489392 (1.00)	591 (1287.58)	64 (1.00)	330017 (1.00)	495 (1400.77)	110 (1.00)
FIDUCIAL	489392 (1.00)	59159 (12.86)	64 (1.00)	330017 (1.00)	52365 (13.24)	110 (1.00)
<i>utqual</i>	405961 (1.21)	153510 (4.96)	64 (1.00)	272012 (1.21)	140580 (4.93)	110 (1.00)
<i>rsdedxcl</i>	405961 (1.00)	0 (760960.00)	64 (1.00)	272012 (1.00)	0 (693379.00)	110 (1.00)
<i>rsdedxmax</i>	405961 (1.00)	0 (760960.00)	64 (1.00)	272012 (1.00)	0 (693379.00)	110 (1.00)
<i>rslike</i>	405961 (1.00)	0 (760960.00)	64 (1.00)	272012 (1.00)	0 (693379.00)	110 (1.00)
<i>tgktim</i>	405961 (1.00)	0 (760960.00)	64 (1.00)	272012 (1.00)	0 (693379.00)	110 (1.00)
<i>rngmom</i>	405961 (1.00)	222615 (3.42)	64 (1.00)	272012 (1.00)	324611 (2.14)	110 (1.00)
<i>prrf1</i>	394844 (1.03)	24461 (31.11)	64 (1.00)	265791 (1.02)	23079 (30.04)	110 (1.00)
<i>prrfz</i>	372781 (1.06)	51701 (14.72)	64 (1.00)	252875 (1.05)	39032 (17.76)	110 (1.00)
PRRF	372781 (1.00)	73590 (10.34)	64 (1.00)	252875 (1.00)	59946 (11.57)	110 (1.00)
<i>rtghi</i>	372254 (1.00)	2454 (310.09)	64 (1.00)	252523 (1.00)	2507 (276.58)	110 (1.00)
<i>etghi</i>	364969 (1.02)	18402 (41.35)	64 (1.00)	247157 (1.02)	17492 (39.64)	110 (1.00)
<i>tgdedx1</i>	284375 (1.28)	136066 (5.59)	64 (1.00)	177752 (1.39)	126292 (5.49)	110 (1.00)
<i>tgdedx2</i>	258463 (1.10)	63553 (11.97)	64 (1.00)	160224 (1.11)	58299 (11.89)	110 (1.00)
tgdedx	258463 (1.00)	210199 (3.62)	64 (1.00)	160224 (1.00)	194980 (3.56)	110 (1.00)
<i>tglike1</i>	235173 (1.10)	108221 (7.03)	64 (1.00)	143489 (1.12)	103520 (6.70)	110 (1.00)
<i>tglike2</i>	222102 (1.06)	97566 (7.80)	64 (1.00)	135827 (1.06)	91289 (7.60)	110 (1.00)
TGLIKE	222102 (1.00)	146750 (5.19)	64 (1.00)	135827 (1.00)	138653 (5.00)	110 (1.00)
<i>tgdb4</i>	205505 (1.08)	60715 (12.53)	64 (1.00)	122770 (1.11)	58646 (11.82)	110 (1.00)
<i>tgdb4tip</i>	153700 (1.34)	207353 (3.67)	64 (1.00)	106851 (1.15)	146730 (4.73)	110 (1.00)
<i>tgdvxtip</i>	132163 (1.16)	124720 (6.10)	64 (1.00)	99113 (1.08)	69571 (9.97)	110 (1.00)
<i>tgdvxpi</i>	123028 (1.07)	86434 (8.80)	64 (1.00)	93218 (1.06)	72568 (9.55)	110 (1.00)
TGB4	123028 (1.00)	313199 (2.43)	64 (1.00)	93218 (1.00)	222582 (3.12)	110 (1.00)
<i>pigap</i>	116339 (1.06)	68449 (11.12)	64 (1.00)	88561 (1.05)	66834 (10.37)	110 (1.00)
KIN	116339 (1.00)	644621 (1.18)	64 (1.00)	88561 (1.00)	604818 (1.15)	110 (1.00)
<i>tgpv</i>	85066 (1.37)	228468 (3.33)	67 (1.05)	52660 (1.68)	263566 (2.63)	112 (1.02)
<i>bwtrs</i>	75484 (1.13)	175769 (4.33)	65 (1.02)	48142 (1.09)	164374 (4.22)	114 (1.04)
<i>b4trs</i>	68677 (1.10)	169944 (4.48)	64 (1.00)	44164 (1.09)	161863 (4.28)	115 (1.05)
<i>b4ccd</i>	68207 (1.01)	9140 (83.26)	65 (1.02)	43627 (1.01)	11220 (61.80)	111 (1.01)
<i>tgqualt</i>	62580 (1.09)	54372 (14.00)	64 (1.00)	39197 (1.11)	52939 (13.10)	110 (1.00)
<i>timcon</i>	62179 (1.01)	8947 (85.05)	64 (1.00)	38732 (1.01)	9941 (69.75)	110 (1.00)
<i>epitg</i>	62110 (1.00)	19681 (38.66)	64 (1.00)	38646 (1.00)	24548 (28.25)	110 (1.00)
<i>tger</i>	62085 (1.00)	20708 (36.75)	64 (1.00)	38627 (1.00)	20217 (34.30)	110 (1.00)
<i>targf</i>	59356 (1.05)	104906 (7.25)	64 (1.00)	36449 (1.06)	113976 (6.08)	111 (1.01)
<i>ticcon</i>	59355 (1.00)	115 (6617.04)	64 (1.00)	36449 (1.00)	195 (3555.79)	110 (1.00)
<i>dtgttp</i>	59355 (1.00)	652 (1167.12)	64 (1.00)	36449 (1.00)	463 (1497.58)	110 (1.00)
<i>rtdif</i>	58421 (1.02)	17878 (42.56)	65 (1.02)	35911 (1.01)	9430 (73.53)	111 (1.01)
<i>epimaxk</i>	57305 (1.02)	46836 (16.25)	64 (1.00)	35157 (1.02)	48479 (14.30)	111 (1.01)

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Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>drp</i>	56912 (1.01)	13580 (56.04)	65 (1.02)	34891 (1.01)	11951 (58.02)	112 (1.02)
<i>phivtx1</i>	48225 (1.18)	168132 (4.53)	77 (1.20)	29396 (1.19)	159973 (4.33)	118 (1.07)
<i>ecccon</i>	47141 (1.02)	32111 (23.70)	66 (1.03)	28757 (1.02)	31845 (21.77)	110 (1.00)
<i>opsveto</i>	39495 (1.19)	233214 (3.26)	69 (1.08)	24653 (1.17)	228900 (3.03)	115 (1.05)
<i>kic</i>	34726 (1.14)	153224 (4.97)	64 (1.00)	23270 (1.06)	115779 (5.99)	110 (1.00)
<i>tggeo</i>	28906 (1.20)	318014 (2.39)	73 (1.14)	18916 (1.23)	284908 (2.43)	129 (1.17)
<i>tdedge</i>	28014 (1.03)	107754 (7.06)	66 (1.03)	18577 (1.02)	69238 (10.01)	111 (1.01)
<i>tgzfool</i>	28000 (1.00)	12300 (61.87)	64 (1.00)	18574 (1.00)	14042 (49.38)	110 (1.00)
<i>upvtrs</i>	25093 (1.12)	60515 (12.57)	66 (1.03)	18012 (1.03)	22490 (30.83)	114 (1.04)
<i>rvtrs</i>	24993 (1.00)	15488 (49.13)	64 (1.00)	17943 (1.00)	13514 (51.31)	110 (1.00)
<i>tgtcon</i>	22319 (1.12)	60538 (12.57)	64 (1.00)	14266 (1.26)	59246 (11.70)	112 (1.02)
<i>b4etcon</i>	21824 (1.02)	23525 (32.35)	64 (1.00)	14085 (1.01)	18591 (37.30)	110 (1.00)
<i>b4ekz</i>	7338 (2.97)	519909 (1.46)	68 (1.06)	8559 (1.65)	398844 (1.74)	114 (1.04)
<i>b4ekzic</i>	7338 (1.00)	78431 (9.70)	64 (1.00)	8559 (1.00)	66655 (10.40)	110 (1.00)
<i>b4tim</i>	4855 (1.51)	393633 (1.93)	64 (1.00)	6767 (1.26)	257503 (2.69)	110 (1.00)
<i>tgktim</i>	4855 (1.00)	0 (760960.00)	64 (1.00)	6767 (1.00)	0 (693379.00)	110 (1.00)
<i>tgenr</i>	4810 (1.01)	92499 (8.23)	64 (1.00)	6683 (1.01)	88431 (7.84)	112 (1.02)
<i>chi567</i>	3054 (1.57)	509863 (1.49)	89 (1.39)	4243 (1.58)	469182 (1.48)	142 (1.29)
<i>npitg</i>	3054 (1.00)	54372 (14.00)	64 (1.00)	4243 (1.00)	52939 (13.10)	110 (1.00)
<i>verrng</i>	2606 (1.17)	320703 (2.37)	73 (1.14)	3647 (1.16)	296173 (2.34)	120 (1.09)
<i>chi5max</i>	2518 (1.03)	225182 (3.38)	64 (1.00)	3539 (1.03)	206762 (3.35)	112 (1.02)
<i>angli</i>	2511 (1.00)	53396 (14.25)	64 (1.00)	3532 (1.00)	51432 (13.48)	110 (1.00)
<i>ALLK fit</i>	2062 (1.22)	290248 (2.62)	67 (1.05)	3002 (1.18)	196022 (3.54)	124 (1.13)
<i>tpics</i>	1877 (1.10)	97657 (7.79)	72 (1.12)	2755 (1.09)	93583 (7.41)	117 (1.06)
<i>epionk</i>	1847 (1.02)	21888 (34.77)	64 (1.00)	2698 (1.02)	29383 (23.60)	110 (1.00)
<i>ccd pul</i>	936 (1.97)	197372 (3.86)	80 (1.25)	1247 (2.16)	189454 (3.66)	146 (1.33)
<i>timkf</i>	608 (1.54)	551749 (1.38)	159 (2.48)	857 (1.46)	432126 (1.60)	257 (2.34)
<i>DEL C(0.)</i>	250 (2.43)	218587 (3.48)	393 (6.14)	308 (2.78)	284797 (2.43)	618 (5.62)
<i>cpitrs</i>	246 (1.02)	316833 (2.40)	64 (1.00)	308 (1.00)	15609 (44.42)	110 (1.00)
<i>cpitail</i>	246 (1.00)	56363 (13.50)	64 (1.00)	308 (1.00)	1663 (416.94)	110 (1.00)
<i>b4dedx</i>	245 (1.00)	211908 (3.59)	64 (1.00)	304 (1.01)	48934 (14.17)	111 (1.01)
<i>PV · TD</i>	222 (1.10)	130736 (5.82)	64 (1.00)	277 (1.10)	45142 (15.36)	111 (1.01)
<i>cktrs</i>	95 (2.34)	266358 (2.86)	85 (1.33)	137 (2.02)	391379 (1.77)	162 (1.47)
<i>cktail</i>	64 (1.48)	170164 (4.47)	95 (1.48)	110 (1.25)	211738 (3.27)	137 (1.25)
Total Rej.		3.47			2.52	

Table 12: 1-Beam Normalization. Branch no. 4

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	1 (1.00)	693379 (0.00)	0 (693379.00)	0 (0.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	1 (1.00)	693379 (1.00)	0 (693379.00)	0 (0.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	1 (1.00)	693379 (1.00)	0 (693379.00)	0 (0.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	1 (1.00)	693379 (1.00)	0 (693379.00)	0 (0.00)
<i>rngmom</i>	538345 (1.41)	222615 (3.42)	1 (1.00)	368768 (1.88)	324611 (2.14)	0 (0.00)
<i>BOX</i>	538345 (1.00)	0 (760960.00)	1 (1.00)	368768 (1.00)	0 (693379.00)	0 (0.00)
<i>icodel14</i>	538345 (1.00)	4 (190240.00)	1 (1.00)	368768 (1.00)	3 (231126.00)	0 (0.00)
<i>cos3d</i>	490013 (1.10)	58076 (13.10)	1 (1.00)	330431 (1.12)	51291 (13.52)	0 (0.00)
<i>layv4</i>	490013 (1.00)	0 (760960.00)	1 (1.00)	330431 (1.00)	0 (693379.00)	0 (0.00)
<i>zfrf</i>	489693 (1.00)	822 (925.74)	1 (1.00)	330216 (1.00)	873 (794.25)	0 (0.00)
<i>zutout</i>	489392 (1.00)	591 (1287.58)	1 (1.00)	330017 (1.00)	495 (1400.77)	0 (0.00)
FIDUCIAL	489392 (1.00)	59159 (12.86)	1 (1.00)	330017 (1.00)	52365 (13.24)	0 (0.00)
<i>utqual</i>	405961 (1.21)	153510 (4.96)	1 (1.00)	272012 (1.21)	140580 (4.93)	0 (0.00)
<i>rsdedxcl</i>	405961 (1.00)	0 (760960.00)	1 (1.00)	272012 (1.00)	0 (693379.00)	0 (0.00)
<i>rsdedxmax</i>	405961 (1.00)	0 (760960.00)	1 (1.00)	272012 (1.00)	0 (693379.00)	0 (0.00)
<i>rslike</i>	405961 (1.00)	0 (760960.00)	1 (1.00)	272012 (1.00)	0 (693379.00)	0 (0.00)
<i>tgktim</i>	405961 (1.00)	0 (760960.00)	1 (1.00)	272012 (1.00)	0 (693379.00)	0 (0.00)
<i>rngmom</i>	405961 (1.00)	222615 (3.42)	1 (1.00)	272012 (1.00)	324611 (2.14)	0 (0.00)
<i>prrf1</i>	394844 (1.03)	24461 (31.11)	1 (1.00)	265791 (1.02)	23079 (30.04)	0 (0.00)
<i>prrfz</i>	372781 (1.06)	51701 (14.72)	1 (1.00)	252875 (1.05)	39032 (17.76)	0 (0.00)
PRRF	372781 (1.00)	73590 (10.34)	1 (1.00)	252875 (1.00)	59946 (11.57)	0 (0.00)
<i>rtghi</i>	372254 (1.00)	2454 (310.09)	1 (1.00)	252523 (1.00)	2507 (276.58)	0 (0.00)
<i>etghi</i>	364969 (1.02)	18402 (41.35)	1 (1.00)	247157 (1.02)	17492 (39.64)	0 (0.00)
<i>tgdedx1</i>	284375 (1.28)	136066 (5.59)	1 (1.00)	177752 (1.39)	126292 (5.49)	0 (0.00)
<i>tgdedx2</i>	258463 (1.10)	63553 (11.97)	1 (1.00)	160224 (1.11)	58299 (11.89)	0 (0.00)
tgdedx	258463 (1.00)	210199 (3.62)	1 (1.00)	160224 (1.00)	194980 (3.56)	0 (0.00)
<i>tglike1</i>	235173 (1.10)	108221 (7.03)	1 (1.00)	143489 (1.12)	103520 (6.70)	0 (0.00)
<i>tglike2</i>	222102 (1.06)	97566 (7.80)	1 (1.00)	135827 (1.06)	91289 (7.60)	0 (0.00)
TGLIKE	222102 (1.00)	146750 (5.19)	1 (1.00)	135827 (1.00)	138653 (5.00)	0 (0.00)
<i>tgdb4</i>	205505 (1.08)	60715 (12.53)	1 (1.00)	122770 (1.11)	58646 (11.82)	0 (0.00)
<i>tgdb4tip</i>	153700 (1.34)	207353 (3.67)	1 (1.00)	106851 (1.15)	146730 (4.73)	0 (0.00)
<i>tgdvxtip</i>	132163 (1.16)	124720 (6.10)	1 (1.00)	99113 (1.08)	69571 (9.97)	0 (0.00)
<i>tgdvxpi</i>	123028 (1.07)	86434 (8.80)	1 (1.00)	93218 (1.06)	72568 (9.55)	0 (0.00)
TGB4	123028 (1.00)	313199 (2.43)	1 (1.00)	93218 (1.00)	222582 (3.12)	0 (0.00)
<i>pigap</i>	116339 (1.06)	68449 (11.12)	1 (1.00)	88561 (1.05)	66834 (10.37)	0 (0.00)
KIN	116339 (1.00)	644621 (1.18)	1 (1.00)	88561 (1.00)	604818 (1.15)	0 (0.00)
<i>tgpv</i>	85066 (1.37)	228468 (3.33)	1 (1.00)	52660 (1.68)	263566 (2.63)	0 (0.00)
<i>bwtrs</i>	75484 (1.13)	175769 (4.33)	1 (1.00)	48142 (1.09)	164374 (4.22)	0 (0.00)
<i>b4trs</i>	68677 (1.10)	169944 (4.48)	1 (1.00)	44164 (1.09)	161863 (4.28)	0 (0.00)
<i>b4ccd</i>	68207 (1.01)	9140 (83.26)	1 (1.00)	43627 (1.01)	11220 (61.80)	0 (0.00)
<i>tgqualt</i>	62580 (1.09)	54372 (14.00)	1 (1.00)	39197 (1.11)	52939 (13.10)	0 (0.00)
<i>timcon</i>	62179 (1.01)	8947 (85.05)	1 (1.00)	38732 (1.01)	9941 (69.75)	0 (0.00)
<i>epitg</i>	62110 (1.00)	19681 (38.66)	1 (1.00)	38646 (1.00)	24548 (28.25)	0 (0.00)
<i>tger</i>	62085 (1.00)	20708 (36.75)	1 (1.00)	38627 (1.00)	20217 (34.30)	0 (0.00)
<i>targf</i>	59356 (1.05)	104906 (7.25)	1 (1.00)	36449 (1.06)	113976 (6.08)	0 (0.00)
<i>ticcon</i>	59355 (1.00)	115 (6617.04)	1 (1.00)	36449 (1.00)	195 (3555.79)	0 (0.00)
<i>dtgttp</i>	59355 (1.00)	652 (1167.12)	1 (1.00)	36449 (1.00)	463 (1497.58)	0 (0.00)
<i>rtdif</i>	58421 (1.02)	17878 (42.56)	1 (1.00)	35911 (1.01)	9430 (73.53)	0 (0.00)
<i>epimaxk</i>	57305 (1.02)	46836 (16.25)	1 (1.00)	35157 (1.02)	48479 (14.30)	0 (0.00)

continued on next page

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>drp</i>	56912 (1.01)	13580 (56.04)	1 (1.00)	34891 (1.01)	11951 (58.02)	0 (0.00)
<i>phivtx1</i>	48225 (1.18)	168132 (4.53)	1 (1.00)	29396 (1.19)	159973 (4.33)	0 (0.00)
<i>ecccon</i>	47141 (1.02)	32111 (23.70)	1 (1.00)	28757 (1.02)	31845 (21.77)	0 (0.00)
<i>opsveto</i>	39495 (1.19)	233214 (3.26)	1 (1.00)	24653 (1.17)	228900 (3.03)	0 (0.00)
<i>kie</i>	34726 (1.14)	153224 (4.97)	1 (1.00)	23270 (1.06)	115779 (5.99)	0 (0.00)
<i>tggeo</i>	28906 (1.20)	318014 (2.39)	2 (2.00)	18916 (1.23)	284908 (2.43)	0 (0.00)
<i>tdedge</i>	28014 (1.03)	107754 (7.06)	1 (1.00)	18577 (1.02)	69238 (10.01)	0 (0.00)
<i>tgzfool</i>	28000 (1.00)	12300 (61.87)	1 (1.00)	18574 (1.00)	14042 (49.38)	0 (0.00)
<i>upvtrs</i>	25093 (1.12)	60515 (12.57)	1 (1.00)	18012 (1.03)	22490 (30.83)	0 (0.00)
<i>rvtrs</i>	24993 (1.00)	15488 (49.13)	1 (1.00)	17943 (1.00)	13514 (51.31)	0 (0.00)
<i>tgtcon</i>	22319 (1.12)	60538 (12.57)	1 (1.00)	14266 (1.26)	59246 (11.70)	0 (0.00)
<i>b4etcon</i>	21824 (1.02)	23525 (32.35)	1 (1.00)	14085 (1.01)	18591 (37.30)	0 (0.00)
<i>b4ekz</i>	7338 (2.97)	519909 (1.46)	3 (3.00)	8559 (1.65)	398844 (1.74)	0 (0.00)
<i>b4ekzic</i>	7338 (1.00)	78431 (9.70)	1 (1.00)	8559 (1.00)	66655 (10.40)	0 (0.00)
<i>b4tim</i>	4855 (1.51)	393633 (1.93)	2 (2.00)	6767 (1.26)	257503 (2.69)	0 (0.00)
<i>tgttim</i>	4855 (1.00)	0 (760960.00)	1 (1.00)	6767 (1.00)	0 (693379.00)	0 (0.00)
<i>tgenr</i>	4810 (1.01)	92499 (8.23)	1 (1.00)	6683 (1.01)	88431 (7.84)	0 (0.00)
<i>chi567</i>	3054 (1.57)	509863 (1.49)	1 (1.00)	4243 (1.58)	469182 (1.48)	0 (0.00)
<i>npitg</i>	3054 (1.00)	54372 (14.00)	1 (1.00)	4243 (1.00)	52939 (13.10)	0 (0.00)
<i>verrng</i>	2606 (1.17)	320703 (2.37)	1 (1.00)	3647 (1.16)	296173 (2.34)	0 (0.00)
<i>chi5max</i>	2518 (1.03)	225182 (3.38)	1 (1.00)	3539 (1.03)	206762 (3.35)	0 (0.00)
<i>angli</i>	2511 (1.00)	53396 (14.25)	1 (1.00)	3532 (1.00)	51432 (13.48)	0 (0.00)
<i>ALLK fit</i>	2062 (1.22)	290248 (2.62)	1 (1.00)	3002 (1.18)	196022 (3.54)	0 (0.00)
<i>tpics</i>	1877 (1.10)	97657 (7.79)	1 (1.00)	2755 (1.09)	93583 (7.41)	0 (0.00)
<i>epionk</i>	1847 (1.02)	21888 (34.77)	1 (1.00)	2698 (1.02)	29383 (23.60)	0 (0.00)
<i>ccd pul</i>	936 (1.97)	197372 (3.86)	1 (1.00)	1247 (2.16)	189454 (3.66)	0 (0.00)
<i>timkf</i>	608 (1.54)	551749 (1.38)	11 (11.00)	857 (1.46)	432126 (1.60)	0 (0.00)
<i>DEL C(0.)</i>	250 (2.43)	218587 (3.48)	1 (1.00)	308 (2.78)	284797 (2.43)	0 (0.00)
<i>cktrs</i>	99 (2.53)	266358 (2.86)	1 (1.00)	139 (2.22)	391379 (1.77)	0 (0.00)
<i>cktail</i>	66 (1.50)	170164 (4.47)	1 (1.00)	112 (1.24)	211738 (3.27)	0 (0.00)
<i>pv(nottg)</i>	3 (22.00)	326442 (2.33)	1 (1.00)	3 (37.33)	343845 (2.02)	0 (0.00)
<i>pi flg</i>	3 (1.00)	25872 (29.41)	1 (1.00)	3 (1.00)	38791 (17.87)	0 (0.00)
<i>ev502</i>	2 (1.50)	217461 (3.50)	1 (1.00)	2 (1.50)	206662 (3.36)	0 (0.00)
<i>elveto</i>	2 (1.00)	184150 (4.13)	1 (1.00)	2 (1.00)	233187 (2.97)	0 (0.00)
<i>tdfool</i>	2 (1.00)	133776 (5.69)	1 (1.00)	2 (1.00)	184971 (3.75)	0 (0.00)
<i>tdvarnn02</i>	1 (2.00)	282448 (2.69)	1 (1.00)	1 (2.00)	333708 (2.08)	0 (0.00)
TD	1 (1.00)	431912 (1.76)	1 (1.00)	1 (1.00)	451695 (1.54)	0 (0.00)
<i>cpitrs · cpitail</i>	1 (1.00)	443407 (1.72)	1 (1.00)	0 (1.00)	677448 (1.02)	1 (1.00)
<i>b4dedx</i>	1 (1.00)	211908 (3.59)	1 (1.00)	0 (0.00)	48934 (14.17)	0 (0.00)
Total Rej.	1.00			0.00		

Table 13: 1-Beam Normalization. Branch no. 5

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	0 (0.00)	693379 (0.00)	0 (693379.00)	0 (0.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	0 (0.00)	693379 (1.00)	0 (693379.00)	0 (0.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	0 (0.00)	693379 (1.00)	0 (693379.00)	0 (0.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	0 (0.00)	693379 (1.00)	0 (693379.00)	0 (0.00)
<i>rngmom</i>	538345 (1.41)	222615 (3.42)	0 (0.00)	368768 (1.88)	324611 (2.14)	0 (0.00)
<i>BOX</i>	538345 (1.00)	0 (760960.00)	0 (0.00)	368768 (1.00)	0 (693379.00)	0 (0.00)
<i>icodel14</i>	538345 (1.00)	4 (190240.00)	0 (0.00)	368768 (1.00)	3 (231126.00)	0 (0.00)
<i>cos3d</i>	490013 (1.10)	58076 (13.10)	0 (0.00)	330431 (1.12)	51291 (13.52)	0 (0.00)
<i>layv4</i>	490013 (1.00)	0 (760960.00)	0 (0.00)	330431 (1.00)	0 (693379.00)	0 (0.00)
<i>zfrf</i>	489693 (1.00)	822 (925.74)	0 (0.00)	330216 (1.00)	873 (794.25)	0 (0.00)
<i>zutout</i>	489392 (1.00)	591 (1287.58)	0 (0.00)	330017 (1.00)	495 (1400.77)	0 (0.00)
FIDUCIAL	489392 (1.00)	59159 (12.86)	0 (0.00)	330017 (1.00)	52365 (13.24)	0 (0.00)
<i>utqual</i>	405961 (1.21)	153510 (4.96)	0 (0.00)	272012 (1.21)	140580 (4.93)	0 (0.00)
<i>rsdedxcl</i>	405961 (1.00)	0 (760960.00)	0 (0.00)	272012 (1.00)	0 (693379.00)	0 (0.00)
<i>rsdedxmax</i>	405961 (1.00)	0 (760960.00)	0 (0.00)	272012 (1.00)	0 (693379.00)	0 (0.00)
<i>rslike</i>	405961 (1.00)	0 (760960.00)	0 (0.00)	272012 (1.00)	0 (693379.00)	0 (0.00)
<i>tgtim</i>	405961 (1.00)	0 (760960.00)	0 (0.00)	272012 (1.00)	0 (693379.00)	0 (0.00)
<i>rngmom</i>	405961 (1.00)	222615 (3.42)	0 (0.00)	272012 (1.00)	324611 (2.14)	0 (0.00)
<i>prrf1</i>	394844 (1.03)	24461 (31.11)	0 (0.00)	265791 (1.02)	23079 (30.04)	0 (0.00)
<i>prrfz</i>	372781 (1.06)	51701 (14.72)	0 (0.00)	252875 (1.05)	39032 (17.76)	0 (0.00)
PRRF	372781 (1.00)	73590 (10.34)	0 (0.00)	252875 (1.00)	59946 (11.57)	0 (0.00)
<i>rtghi</i>	372254 (1.00)	2454 (310.09)	0 (0.00)	252523 (1.00)	2507 (276.58)	0 (0.00)
<i>etghi</i>	364969 (1.02)	18402 (41.35)	0 (0.00)	247157 (1.02)	17492 (39.64)	0 (0.00)
<i>tgdedx1</i>	284375 (1.28)	136066 (5.59)	0 (0.00)	177752 (1.39)	126292 (5.49)	0 (0.00)
<i>tgdedx2</i>	258463 (1.10)	63553 (11.97)	0 (0.00)	160224 (1.11)	58299 (11.89)	0 (0.00)
tgdedx	258463 (1.00)	210199 (3.62)	0 (0.00)	160224 (1.00)	194980 (3.56)	0 (0.00)
<i>tglike1</i>	235173 (1.10)	108221 (7.03)	0 (0.00)	143489 (1.12)	103520 (6.70)	0 (0.00)
<i>tglike2</i>	222102 (1.06)	97566 (7.80)	0 (0.00)	135827 (1.06)	91289 (7.60)	0 (0.00)
TGLIKE	222102 (1.00)	146750 (5.19)	0 (0.00)	135827 (1.00)	138653 (5.00)	0 (0.00)
<i>tgdb4</i>	205505 (1.08)	60715 (12.53)	0 (0.00)	122770 (1.11)	58646 (11.82)	0 (0.00)
<i>tgdb4tip</i>	153700 (1.34)	207353 (3.67)	0 (0.00)	106851 (1.15)	146730 (4.73)	0 (0.00)
<i>tgdvxtip</i>	132163 (1.16)	124720 (6.10)	0 (0.00)	99113 (1.08)	69571 (9.97)	0 (0.00)
<i>tgdvxpi</i>	123028 (1.07)	86434 (8.80)	0 (0.00)	93218 (1.06)	72568 (9.55)	0 (0.00)
TGB4	123028 (1.00)	313199 (2.43)	0 (0.00)	93218 (1.00)	222582 (3.12)	0 (0.00)
<i>pigap</i>	116339 (1.06)	68449 (11.12)	0 (0.00)	88561 (1.05)	66834 (10.37)	0 (0.00)
KIN	116339 (1.00)	644621 (1.18)	0 (0.00)	88561 (1.00)	604818 (1.15)	0 (0.00)
<i>tgpv</i>	85066 (1.37)	228468 (3.33)	0 (0.00)	52660 (1.68)	263566 (2.63)	0 (0.00)
<i>bwtrs</i>	75484 (1.13)	175769 (4.33)	0 (0.00)	48142 (1.09)	164374 (4.22)	0 (0.00)
<i>b4trs</i>	68677 (1.10)	169944 (4.48)	0 (0.00)	44164 (1.09)	161863 (4.28)	0 (0.00)
<i>b4ccd</i>	68207 (1.01)	9140 (83.26)	0 (0.00)	43627 (1.01)	11220 (61.80)	0 (0.00)
<i>tgqualt</i>	62580 (1.09)	54372 (14.00)	0 (0.00)	39197 (1.11)	52939 (13.10)	0 (0.00)
<i>timcon</i>	62179 (1.01)	8947 (85.05)	0 (0.00)	38732 (1.01)	9941 (69.75)	0 (0.00)
<i>epitg</i>	62110 (1.00)	19681 (38.66)	0 (0.00)	38646 (1.00)	24548 (28.25)	0 (0.00)
<i>tger</i>	62085 (1.00)	20708 (36.75)	0 (0.00)	38627 (1.00)	20217 (34.30)	0 (0.00)
<i>targf</i>	59356 (1.05)	104906 (7.25)	0 (0.00)	36449 (1.06)	113976 (6.08)	0 (0.00)
<i>ticcon</i>	59355 (1.00)	115 (6617.04)	0 (0.00)	36449 (1.00)	195 (3555.79)	0 (0.00)
<i>dtgttp</i>	59355 (1.00)	652 (1167.12)	0 (0.00)	36449 (1.00)	463 (1497.58)	0 (0.00)
<i>rtdif</i>	58421 (1.02)	17878 (42.56)	0 (0.00)	35911 (1.01)	9430 (73.53)	0 (0.00)
<i>epimaxk</i>	57305 (1.02)	46836 (16.25)	0 (0.00)	35157 (1.02)	48479 (14.30)	0 (0.00)

continued on next page

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>drp</i>	56912 (1.01)	13580 (56.04)	0 (0.00)	34891 (1.01)	11951 (58.02)	0 (0.00)
<i>phivtx1</i>	48225 (1.18)	168132 (4.53)	0 (0.00)	29396 (1.19)	159973 (4.33)	0 (0.00)
<i>ecccon</i>	47141 (1.02)	32111 (23.70)	0 (0.00)	28757 (1.02)	31845 (21.77)	0 (0.00)
<i>opsveto</i>	39495 (1.19)	233214 (3.26)	0 (0.00)	24653 (1.17)	228900 (3.03)	0 (0.00)
<i>kic</i>	34726 (1.14)	153224 (4.97)	0 (0.00)	23270 (1.06)	115779 (5.99)	0 (0.00)
<i>tggeo</i>	28906 (1.20)	318014 (2.39)	0 (0.00)	18916 (1.23)	284908 (2.43)	0 (0.00)
<i>tdedge</i>	28014 (1.03)	107754 (7.06)	0 (0.00)	18577 (1.02)	69238 (10.01)	0 (0.00)
<i>tgzfool</i>	28000 (1.00)	12300 (61.87)	0 (0.00)	18574 (1.00)	14042 (49.38)	0 (0.00)
<i>upvtrs</i>	25093 (1.12)	60515 (12.57)	0 (0.00)	18012 (1.03)	22490 (30.83)	0 (0.00)
<i>rvtrs</i>	24993 (1.00)	15488 (49.13)	0 (0.00)	17943 (1.00)	13514 (51.31)	0 (0.00)
<i>tgtcon</i>	22319 (1.12)	60538 (12.57)	0 (0.00)	14266 (1.26)	59246 (11.70)	0 (0.00)
<i>b4etcon</i>	21824 (1.02)	23525 (32.35)	0 (0.00)	14085 (1.01)	18591 (37.30)	0 (0.00)
<i>b4ekz</i>	7338 (2.97)	519909 (1.46)	0 (0.00)	8559 (1.65)	398844 (1.74)	0 (0.00)
<i>b4ekzic</i>	7338 (1.00)	78431 (9.70)	0 (0.00)	8559 (1.00)	66655 (10.40)	0 (0.00)
<i>b4tim</i>	4855 (1.51)	393633 (1.93)	0 (0.00)	6767 (1.26)	257503 (2.69)	0 (0.00)
<i>tgktim</i>	4855 (1.00)	0 (760960.00)	0 (0.00)	6767 (1.00)	0 (693379.00)	0 (0.00)
<i>tgenr</i>	4810 (1.01)	92499 (8.23)	0 (0.00)	6683 (1.01)	88431 (7.84)	0 (0.00)
<i>chi567</i>	3054 (1.57)	509863 (1.49)	0 (0.00)	4243 (1.58)	469182 (1.48)	0 (0.00)
<i>npitg</i>	3054 (1.00)	54372 (14.00)	0 (0.00)	4243 (1.00)	52939 (13.10)	0 (0.00)
<i>verrng</i>	2606 (1.17)	320703 (2.37)	0 (0.00)	3647 (1.16)	296173 (2.34)	0 (0.00)
<i>chi5max</i>	2518 (1.03)	225182 (3.38)	0 (0.00)	3539 (1.03)	206762 (3.35)	0 (0.00)
<i>angli</i>	2511 (1.00)	53396 (14.25)	0 (0.00)	3532 (1.00)	51432 (13.48)	0 (0.00)
<i>ALLK fit</i>	2062 (1.22)	290248 (2.62)	0 (0.00)	3002 (1.18)	196022 (3.54)	0 (0.00)
<i>tpics</i>	1877 (1.10)	97657 (7.79)	0 (0.00)	2755 (1.09)	93583 (7.41)	0 (0.00)
<i>epionk</i>	1847 (1.02)	21888 (34.77)	0 (0.00)	2698 (1.02)	29383 (23.60)	0 (0.00)
<i>ccd pul</i>	936 (1.97)	197372 (3.86)	0 (0.00)	1247 (2.16)	189454 (3.66)	0 (0.00)
<i>timkf</i>	608 (1.54)	551749 (1.38)	0 (0.00)	857 (1.46)	432126 (1.60)	0 (0.00)
<i>DEL C(0.)</i>	250 (2.43)	218587 (3.48)	0 (0.00)	308 (2.78)	284797 (2.43)	0 (0.00)
<i>cktrs</i>	99 (2.53)	266358 (2.86)	0 (0.00)	139 (2.22)	391379 (1.77)	0 (0.00)
<i>cktail</i>	66 (1.50)	170164 (4.47)	0 (0.00)	112 (1.24)	211738 (3.27)	0 (0.00)
<i>pv(nottg)</i>	3 (22.00)	326442 (2.33)	0 (0.00)	3 (37.33)	343845 (2.02)	1 (1.00)
<i>pi flg</i>	3 (1.00)	25872 (29.41)	0 (0.00)	3 (1.00)	38791 (17.87)	0 (0.00)
<i>ev502</i>	2 (1.50)	217461 (3.50)	0 (0.00)	2 (1.50)	206662 (3.36)	0 (0.00)
<i>elveto</i>	2 (1.00)	184150 (4.13)	0 (0.00)	2 (1.00)	233187 (2.97)	0 (0.00)
<i>tdfool</i>	2 (1.00)	133776 (5.69)	0 (0.00)	2 (1.00)	184971 (3.75)	0 (0.00)
<i>tdvarnn02</i>	1 (2.00)	282448 (2.69)	0 (0.00)	1 (2.00)	333708 (2.08)	0 (0.00)
TD	1 (1.00)	431912 (1.76)	0 (0.00)	1 (1.00)	451695 (1.54)	0 (0.00)
<i>b4dedx</i>	0 (1.00)	549052 (1.39)	0 (0.00)	0 (1.00)	644445 (1.08)	1 (1.00)
<i>cpitrs</i>	0 (0.00)	316833 (2.40)	0 (0.00)	0 (0.00)	15609 (44.42)	0 (0.00)
<i>cpitail</i>	0 (0.00)	56363 (13.50)	0 (0.00)	0 (0.00)	1663 (416.94)	0 (0.00)
Total Rej.		0.00			0.00	

Table 14: 2-Beam Rejection. Branch no. 1

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	58 (1.00)	693379 (0.00)	0 (693379.00)	115 (1.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	58 (1.00)	693379 (1.00)	0 (693379.00)	115 (1.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	58 (1.00)	693379 (1.00)	0 (693379.00)	115 (1.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	58 (1.00)	693379 (1.00)	0 (693379.00)	115 (1.00)
<i>rngmom</i>	538345 (1.41)	222615 (3.42)	60 (1.03)	368768 (1.88)	324611 (2.14)	119 (1.00)
<i>pv(nottg)</i>	286514 (1.88)	326442 (2.33)	395 (6.81)	126753 (2.91)	343845 (2.02)	730 (6.30)
<i>pi_flg</i>	285417 (1.00)	25872 (29.41)	58 (1.00)	125761 (1.01)	38791 (17.87)	115 (1.00)
<i>ev502</i>	226329 (1.26)	217461 (3.50)	58 (1.00)	104585 (1.20)	206662 (3.36)	115 (1.00)
<i>elveto</i>	206737 (1.09)	184150 (4.13)	58 (1.00)	95588 (1.09)	233187 (2.97)	115 (1.00)
<i>tdfool</i>	206239 (1.00)	133776 (5.69)	58 (1.00)	95268 (1.00)	184971 (3.75)	115 (1.00)
<i>tdvarnn02</i>	168755 (1.22)	282448 (2.69)	58 (1.00)	78423 (1.21)	333708 (2.08)	115 (1.00)
TD	168755 (1.00)	431912 (1.76)	58 (1.00)	78423 (1.00)	451695 (1.54)	115 (1.00)
<i>b4dedx</i>	88820 (1.90)	211908 (3.59)	64 (1.10)	65391 (1.20)	48934 (14.17)	120 (1.00)
<i>tgqualt</i>	81310 (1.09)	54372 (14.00)	58 (1.00)	58101 (1.13)	52939 (13.10)	115 (1.00)
<i>timcon</i>	80416 (1.01)	8947 (85.05)	58 (1.00)	57406 (1.01)	9941 (69.75)	116 (1.00)
<i>DEL(0.)</i>	21678 (3.71)	542373 (1.40)	69 (1.19)	15364 (3.74)	408582 (1.70)	131 (1.10)
<i>tger</i>	20209 (1.07)	20708 (36.75)	62 (1.07)	14381 (1.07)	20217 (34.30)	124 (1.00)
<i>tgzfool</i>	19973 (1.01)	12300 (61.87)	59 (1.02)	14131 (1.02)	14042 (49.38)	121 (1.00)
<i>upvtrs</i>	17754 (1.12)	60515 (12.57)	59 (1.02)	13581 (1.04)	22490 (30.83)	119 (1.00)
<i>rvtrs</i>	17399 (1.02)	15488 (49.13)	62 (1.07)	13341 (1.02)	13514 (51.31)	121 (1.00)
<i>b4etcon</i>	16992 (1.02)	23525 (32.35)	59 (1.02)	13001 (1.03)	18591 (37.30)	120 (1.00)
<i>b4trs · b4ccd AND targf</i>	7933 (2.14)	711410 (1.07)	973 (16.78)	5087 (2.56)	643843 (1.08)	1711 (14.80)
<i>cpitrs</i>	2299 (3.45)	316833 (2.40)	79 (1.36)	4707 (1.08)	15609 (44.42)	117 (1.00)
<i>cpitail</i>	2293 (1.00)	56363 (13.50)	58 (1.00)	4705 (1.00)	1663 (416.94)	115 (1.00)
1.1 < b4ars_atc < 5.	1720 (1.33)	402915 (1.89)	94 (1.62)	3417 (1.38)	343830 (2.02)	179 (1.50)
<i>bwtrs</i>	100 (17.20)	175769 (4.33)	94 (1.62)	157 (21.76)	164374 (4.22)	253 (2.20)
<i>cktrs</i>	62 (1.61)	266358 (2.86)	69 (1.19)	117 (1.34)	391379 (1.77)	132 (1.10)
<i>cktail</i>	58 (1.07)	170164 (4.47)	62 (1.07)	115 (1.02)	211738 (3.27)	117 (1.00)
Total Rej.		29.66			29.71	

Table 15: 2-Beam Rejection. Branch no. 2

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	27 (1.00)	693379 (0.00)	0 (693379.00)	45 (1.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	27 (1.00)	693379 (1.00)	0 (693379.00)	45 (1.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	27 (1.00)	693379 (1.00)	0 (693379.00)	45 (1.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	27 (1.00)	693379 (1.00)	0 (693379.00)	45 (1.00)
<i>rngmom</i>	538345 (1.41)	222615 (3.42)	28 (1.04)	368768 (1.88)	324611 (2.14)	48 (1.00)
<i>pv(nottg)</i>	286514 (1.88)	326442 (2.33)	308 (11.41)	126753 (2.91)	343845 (2.02)	580 (12.80)
<i>pi_flg</i>	285417 (1.00)	25872 (29.41)	27 (1.00)	125761 (1.01)	38791 (17.87)	45 (1.00)
<i>ev502</i>	226329 (1.26)	217461 (3.50)	27 (1.00)	104585 (1.20)	206662 (3.36)	45 (1.00)
<i>elveto</i>	206737 (1.09)	184150 (4.13)	27 (1.00)	95588 (1.09)	233187 (2.97)	45 (1.00)
<i>tdfool</i>	206239 (1.00)	133776 (5.69)	27 (1.00)	95268 (1.00)	184971 (3.75)	45 (1.00)
<i>tdvarnn02</i>	168755 (1.22)	282448 (2.69)	27 (1.00)	78423 (1.21)	333708 (2.08)	45 (1.00)
TD	168755 (1.00)	431912 (1.76)	27 (1.00)	78423 (1.00)	451695 (1.54)	45 (1.00)
<i>b4dedx</i>	88820 (1.90)	211908 (3.59)	28 (1.04)	65391 (1.20)	48934 (14.17)	50 (1.00)
<i>tgqualt</i>	81310 (1.09)	54372 (14.00)	27 (1.00)	58101 (1.13)	52939 (13.10)	45 (1.00)
<i>timcon</i>	80416 (1.01)	8947 (85.05)	27 (1.00)	57406 (1.01)	9941 (69.75)	45 (1.00)
<i>DEL(0.)</i>	21678 (3.71)	542373 (1.40)	31 (1.15)	15364 (3.74)	408582 (1.70)	56 (1.20)
<i>tger</i>	20209 (1.07)	20708 (36.75)	28 (1.04)	14381 (1.07)	20217 (34.30)	45 (1.00)
<i>tgz fool</i>	19973 (1.01)	12300 (61.87)	27 (1.00)	14131 (1.02)	14042 (49.38)	45 (1.00)
<i>upvtrs</i>	17754 (1.12)	60515 (12.57)	29 (1.07)	13581 (1.04)	22490 (30.83)	45 (1.00)
<i>rvtrs</i>	17399 (1.02)	15488 (49.13)	27 (1.00)	13341 (1.02)	13514 (51.31)	47 (1.00)
<i>b4etcon</i>	16992 (1.02)	23525 (32.35)	27 (1.00)	13001 (1.03)	18591 (37.30)	45 (1.00)
<i>b4trs · b4ccd AND targf</i>	7933 (2.14)	711410 (1.07)	1476 (54.67)	5087 (2.56)	643843 (1.08)	2680 (59.50)
<i>cktrs</i>	5783 (1.37)	266358 (2.86)	30 (1.11)	846 (6.01)	391379 (1.77)	50 (1.00)
<i>cktail</i>	5708 (1.01)	170164 (4.47)	28 (1.04)	762 (1.11)	211738 (3.27)	46 (1.00)
<i>b4ars_atc < 1.1</i>	3243 (1.76)	364068 (2.09)	62 (2.30)	345 (2.21)	354801 (1.95)	96 (2.10)
<i>tgz > -7.0</i>	2744 (1.18)	123747 (6.15)	33 (1.22)	293 (1.18)	123521 (5.61)	62 (1.30)
<i>bwtrs</i>	70 (39.20)	175769 (4.33)	71 (2.63)	47 (6.23)	164374 (4.22)	115 (2.50)
<i>cpitrs</i>	27 (2.59)	316833 (2.40)	60 (2.22)	45 (1.04)	15609 (44.42)	47 (1.00)
<i>cpitail</i>	27 (1.00)	56363 (13.50)	27 (1.00)	45 (1.00)	1663 (416.94)	45 (1.00)
Total Rej.		101.63			6.51	

Table 16: 2-Beam Normalization. Branch no. 1

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	2 (1.00)	693379 (0.00)	0 (693379.00)	2 (1.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	2 (1.00)	693379 (1.00)	0 (693379.00)	2 (1.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	2 (1.00)	693379 (1.00)	0 (693379.00)	2 (1.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	2 (1.00)	693379 (1.00)	0 (693379.00)	2 (1.00)
<i>pv(nottg)</i>	434518 (1.75)	326442 (2.33)	27 (13.50)	349534 (1.98)	343845 (2.02)	37 (18.50)
<i>tgqualt</i>	405618 (1.07)	54372 (14.00)	2 (1.00)	324634 (1.08)	52939 (13.10)	2 (1.00)
<i>timcon</i>	401906 (1.01)	8947 (85.05)	2 (1.00)	321024 (1.01)	9941 (69.75)	2 (1.00)
<i>epitg</i>	394421 (1.02)	19681 (38.66)	2 (1.00)	313270 (1.02)	24548 (28.25)	2 (1.00)
<i>tger</i>	387304 (1.02)	20708 (36.75)	2 (1.00)	306960 (1.02)	20217 (34.30)	2 (1.00)
<i>ticcon</i>	387294 (1.00)	115 (6617.04)	2 (1.00)	306944 (1.00)	195 (3555.79)	2 (1.00)
<i>dtgttp</i>	387241 (1.00)	652 (1167.12)	2 (1.00)	306922 (1.00)	463 (1497.58)	2 (1.00)
<i>rtdif</i>	377046 (1.03)	17878 (42.56)	2 (1.00)	302984 (1.01)	9430 (73.53)	2 (1.00)
<i>drp</i>	370460 (1.02)	13580 (56.04)	2 (1.00)	298703 (1.01)	11951 (58.02)	2 (1.00)
<i>eiicon</i>	361529 (1.02)	32111 (23.70)	2 (1.00)	292000 (1.02)	31845 (21.77)	2 (1.00)
<i>kic</i>	317131 (1.14)	153224 (4.97)	2 (1.00)	255860 (1.14)	115779 (5.99)	2 (1.00)
<i>tggeo</i>	268959 (1.18)	318014 (2.39)	2 (1.00)	219619 (1.17)	284908 (2.43)	2 (1.00)
<i>tgzfool</i>	267154 (1.01)	12300 (61.87)	2 (1.00)	218119 (1.01)	14042 (49.38)	2 (1.00)
<i>upvtrs</i>	243164 (1.10)	60515 (12.57)	2 (1.00)	210455 (1.04)	22490 (30.83)	2 (1.00)
<i>rtrs</i>	241142 (1.01)	15488 (49.13)	2 (1.00)	209044 (1.01)	13514 (51.31)	2 (1.00)
<i>tgtcon</i>	228388 (1.06)	60538 (12.57)	2 (1.00)	200271 (1.04)	59246 (11.70)	2 (1.00)
<i>b4etcon</i>	221854 (1.03)	23525 (32.35)	2 (1.00)	195519 (1.02)	18591 (37.30)	2 (1.00)
<i>b4tim</i>	80692 (2.75)	393633 (1.93)	2 (1.00)	91147 (2.15)	257503 (2.69)	2 (1.00)
<i>tgtim</i>	80692 (1.00)	0 (760960.00)	2 (1.00)	91147 (1.00)	0 (693379.00)	2 (1.00)
<i>tgenr</i>	78663 (1.03)	92499 (8.23)	2 (1.00)	89162 (1.02)	88431 (7.84)	2 (1.00)
<i>chi567</i>	27883 (2.82)	509863 (1.49)	2 (1.00)	32893 (2.71)	469182 (1.48)	3 (1.50)
<i>npitg</i>	27883 (1.00)	54372 (14.00)	2 (1.00)	32893 (1.00)	52939 (13.10)	2 (1.00)
<i>verrng</i>	20126 (1.39)	320703 (2.37)	2 (1.00)	24082 (1.37)	296173 (2.34)	7 (3.50)
<i>chi5max</i>	19259 (1.05)	225182 (3.38)	3 (1.50)	23109 (1.04)	206762 (3.35)	2 (1.00)
<i>angli</i>	19191 (1.00)	53396 (14.25)	2 (1.00)	23030 (1.00)	51432 (13.48)	2 (1.00)
<i>ALLK fit</i>	12170 (1.58)	290248 (2.62)	2 (1.00)	15738 (1.46)	196022 (3.54)	2 (1.00)
<i>tpics</i>	10654 (1.14)	97657 (7.79)	2 (1.00)	13766 (1.14)	93583 (7.41)	2 (1.00)
<i>epionk</i>	10325 (1.03)	21888 (34.77)	2 (1.00)	13279 (1.04)	29383 (23.60)	2 (1.00)
<i>ccd pul</i>	8698 (1.19)	197372 (3.86)	6 (3.00)	11294 (1.18)	189454 (3.66)	5 (2.50)
<i>timkf</i>	5715 (1.52)	551749 (1.38)	2 (1.00)	7656 (1.48)	432126 (1.60)	2 (1.00)
<i>DEL C(0.)</i>	1195 (4.78)	542373 (1.40)	102 (51.00)	1705 (4.49)	408582 (1.70)	139 (69.50)
<i>b4dedx</i>	1185 (1.01)	211908 (3.59)	2 (1.00)	1688 (1.01)	48934 (14.17)	2 (1.00)
<i>cpitrs</i>	1101 (1.08)	316833 (2.40)	3 (1.50)	1684 (1.00)	15609 (44.42)	2 (1.00)
<i>cpitail</i>	1101 (1.00)	56363 (13.50)	2 (1.00)	1684 (1.00)	1663 (416.94)	2 (1.00)
<i>cktrs · cktail · bwtrs</i>	262 (4.20)	382740 (1.99)	10 (5.00)	412 (4.09)	247688 (2.80)	30 (15.00)
<i>BOX</i>	262 (1.00)	0 (760960.00)	2 (1.00)	412 (1.00)	0 (693379.00)	2 (1.00)
<i>icodel14</i>	262 (1.00)	4 (190240.00)	2 (1.00)	412 (1.00)	3 (231126.00)	2 (1.00)
<i>cos3d</i>	258 (1.02)	58076 (13.10)	2 (1.00)	403 (1.02)	51291 (13.52)	2 (1.00)
<i>layv4</i>	258 (1.00)	0 (760960.00)	2 (1.00)	403 (1.00)	0 (693379.00)	2 (1.00)
<i>zfrf</i>	257 (1.00)	822 (925.74)	2 (1.00)	402 (1.00)	873 (794.25)	2 (1.00)
<i>zutout</i>	257 (1.00)	591 (1287.58)	2 (1.00)	401 (1.00)	495 (1400.77)	2 (1.00)
FIDUCIAL	257 (1.00)	59159 (12.86)	2 (1.00)	401 (1.00)	52365 (13.24)	2 (1.00)
<i>utcqual</i>	206 (1.25)	153510 (4.96)	2 (1.00)	330 (1.22)	140580 (4.93)	2 (1.00)
<i>rsdedxcl</i>	206 (1.00)	0 (760960.00)	2 (1.00)	330 (1.00)	0 (693379.00)	2 (1.00)
<i>rsdedxmax</i>	206 (1.00)	0 (760960.00)	2 (1.00)	330 (1.00)	0 (693379.00)	2 (1.00)

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Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>rslike</i>	206 (1.00)	0 (760960.00)	2 (1.00)	330 (1.00)	0 (693379.00)	2 (1.00)
<i>tgktim</i>	206 (1.00)	0 (760960.00)	2 (1.00)	330 (1.00)	0 (693379.00)	2 (1.00)
<i>rngmom</i>	13 (15.85)	222615 (3.42)	2 (1.00)	20 (16.50)	324611 (2.14)	2 (1.00)
<i>prrf1</i>	13 (1.00)	24461 (31.11)	2 (1.00)	19 (1.05)	23079 (30.04)	2 (1.00)
<i>prrfz</i>	13 (1.00)	51701 (14.72)	2 (1.00)	17 (1.12)	39032 (17.76)	2 (1.00)
PRRF	13 (1.00)	73590 (10.34)	2 (1.00)	17 (1.00)	59946 (11.57)	2 (1.00)
<i>rtghi</i>	13 (1.00)	2454 (310.09)	2 (1.00)	17 (1.00)	2507 (276.58)	2 (1.00)
<i>etghi</i>	13 (1.00)	18402 (41.35)	2 (1.00)	17 (1.00)	17492 (39.64)	2 (1.00)
<i>tgdedx1</i>	11 (1.18)	136066 (5.59)	2 (1.00)	14 (1.21)	126292 (5.49)	2 (1.00)
<i>tgdedx2</i>	11 (1.00)	63553 (11.97)	2 (1.00)	14 (1.00)	58299 (11.89)	2 (1.00)
tgdedx	11 (1.00)	210199 (3.62)	2 (1.00)	14 (1.00)	194980 (3.56)	2 (1.00)
<i>tglike1</i>	11 (1.00)	108221 (7.03)	2 (1.00)	13 (1.08)	103520 (6.70)	2 (1.00)
<i>tglike2</i>	11 (1.00)	97566 (7.80)	2 (1.00)	13 (1.00)	91289 (7.60)	2 (1.00)
TGLIKE	11 (1.00)	146750 (5.19)	2 (1.00)	13 (1.00)	138653 (5.00)	2 (1.00)
<i>tgdb4</i>	11 (1.00)	60715 (12.53)	2 (1.00)	12 (1.08)	58646 (11.82)	2 (1.00)
<i>tgdb4tip</i>	11 (1.00)	207353 (3.67)	2 (1.00)	12 (1.00)	146730 (4.73)	2 (1.00)
<i>tgdvxtip</i>	10 (1.10)	124720 (6.10)	2 (1.00)	12 (1.00)	69571 (9.97)	2 (1.00)
<i>tgdvxpi</i>	10 (1.00)	86434 (8.80)	2 (1.00)	12 (1.00)	72568 (9.55)	2 (1.00)
TGB4	10 (1.00)	313199 (2.43)	2 (1.00)	12 (1.00)	222582 (3.12)	2 (1.00)
<i>pigap</i>	9 (1.11)	68449 (11.12)	2 (1.00)	12 (1.00)	66834 (10.37)	2 (1.00)
KIN	9 (1.00)	644621 (1.18)	2 (1.00)	12 (1.00)	604818 (1.15)	2 (1.00)
<i>piflg</i>	9 (1.00)	25872 (29.41)	2 (1.00)	12 (1.00)	38791 (17.87)	2 (1.00)
<i>ev502</i>	8 (1.12)	217461 (3.50)	2 (1.00)	7 (1.71)	206662 (3.36)	2 (1.00)
<i>elveto</i>	7 (1.14)	184150 (4.13)	2 (1.00)	7 (1.00)	233187 (2.97)	2 (1.00)
<i>tdfool</i>	7 (1.00)	133776 (5.69)	2 (1.00)	7 (1.00)	184971 (3.75)	2 (1.00)
<i>tdvarnn02</i>	6 (1.17)	282448 (2.69)	2 (1.00)	6 (1.17)	333708 (2.08)	2 (1.00)
TD	6 (1.00)	431912 (1.76)	2 (1.00)	6 (1.00)	451695 (1.54)	2 (1.00)
<i>b4trs</i>	2 (3.00)	169944 (4.48)	6 (3.00)	2 (3.00)	161863 (4.28)	6 (3.00)
<i>b4ccd</i>	2 (1.00)	9140 (83.26)	2 (1.00)	2 (1.00)	11220 (61.80)	2 (1.00)
Total Rej.	3.00			3.00		

Table 17: 2-Beam Normalization. Branch no. 2

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	1 (1.00)	693379 (0.00)	0 (693379.00)	2 (1.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	1 (1.00)	693379 (1.00)	0 (693379.00)	2 (1.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	1 (1.00)	693379 (1.00)	0 (693379.00)	2 (1.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	1 (1.00)	693379 (1.00)	0 (693379.00)	2 (1.00)
<i>pv(nottg)</i>	434518 (1.75)	326442 (2.33)	21 (21.00)	349534 (1.98)	343845 (2.02)	24 (12.00)
<i>tgqualt</i>	405618 (1.07)	54372 (14.00)	1 (1.00)	324634 (1.08)	52939 (13.10)	2 (1.00)
<i>timcon</i>	401906 (1.01)	8947 (85.05)	1 (1.00)	321024 (1.01)	9941 (69.75)	2 (1.00)
<i>epitg</i>	394421 (1.02)	19681 (38.66)	1 (1.00)	313270 (1.02)	24548 (28.25)	2 (1.00)
<i>tger</i>	387304 (1.02)	20708 (36.75)	1 (1.00)	306960 (1.02)	20217 (34.30)	2 (1.00)
<i>ticcon</i>	387294 (1.00)	115 (6617.04)	1 (1.00)	306944 (1.00)	195 (3555.79)	2 (1.00)
<i>dtgttp</i>	387241 (1.00)	652 (1167.12)	1 (1.00)	306922 (1.00)	463 (1497.58)	2 (1.00)
<i>rtdif</i>	377046 (1.03)	17878 (42.56)	1 (1.00)	302984 (1.01)	9430 (73.53)	2 (1.00)
<i>drp</i>	370460 (1.02)	13580 (56.04)	1 (1.00)	298703 (1.01)	11951 (58.02)	2 (1.00)
<i>eccon</i>	361529 (1.02)	32111 (23.70)	1 (1.00)	292000 (1.02)	31845 (21.77)	2 (1.00)
<i>kic</i>	317131 (1.14)	153224 (4.97)	1 (1.00)	255860 (1.14)	115779 (5.99)	2 (1.00)
<i>tggeo</i>	268959 (1.18)	318014 (2.39)	1 (1.00)	219619 (1.17)	284908 (2.43)	2 (1.00)
<i>tgzfool</i>	267154 (1.01)	12300 (61.87)	1 (1.00)	218119 (1.01)	14042 (49.38)	2 (1.00)
<i>upvtrs</i>	243164 (1.10)	60515 (12.57)	1 (1.00)	210455 (1.04)	22490 (30.83)	2 (1.00)
<i>rvtrs</i>	241142 (1.01)	15488 (49.13)	1 (1.00)	209044 (1.01)	13514 (51.31)	2 (1.00)
<i>tgtcon</i>	228388 (1.06)	60538 (12.57)	1 (1.00)	200271 (1.04)	59246 (11.70)	2 (1.00)
<i>b4etcon</i>	221854 (1.03)	23525 (32.35)	1 (1.00)	195519 (1.02)	18591 (37.30)	2 (1.00)
<i>b4tim</i>	80692 (2.75)	393633 (1.93)	1 (1.00)	91147 (2.15)	257503 (2.69)	2 (1.00)
<i>tgtim</i>	80692 (1.00)	0 (760960.00)	1 (1.00)	91147 (1.00)	0 (693379.00)	2 (1.00)
<i>tgenr</i>	78663 (1.03)	92499 (8.23)	1 (1.00)	89162 (1.02)	88431 (7.84)	2 (1.00)
<i>chi567</i>	27883 (2.82)	509863 (1.49)	1 (1.00)	32893 (2.71)	469182 (1.48)	3 (1.50)
<i>npitg</i>	27883 (1.00)	54372 (14.00)	1 (1.00)	32893 (1.00)	52939 (13.10)	2 (1.00)
<i>verrng</i>	20126 (1.39)	320703 (2.37)	1 (1.00)	24082 (1.37)	296173 (2.34)	2 (1.00)
<i>chi5max</i>	19259 (1.05)	225182 (3.38)	2 (2.00)	23109 (1.04)	206762 (3.35)	2 (1.00)
<i>angli</i>	19191 (1.00)	53396 (14.25)	1 (1.00)	23030 (1.00)	51432 (13.48)	2 (1.00)
<i>ALLK fit</i>	12170 (1.58)	290248 (2.62)	1 (1.00)	15738 (1.46)	196022 (3.54)	3 (1.50)
<i>tpics</i>	10654 (1.14)	97657 (7.79)	1 (1.00)	13766 (1.14)	93583 (7.41)	2 (1.00)
<i>epionk</i>	10325 (1.03)	21888 (34.77)	1 (1.00)	13279 (1.04)	29383 (23.60)	2 (1.00)
<i>ccd pul</i>	8698 (1.19)	197372 (3.86)	1 (1.00)	11294 (1.18)	189454 (3.66)	3 (1.50)
<i>timkf</i>	5715 (1.52)	551749 (1.38)	1 (1.00)	7656 (1.48)	432126 (1.60)	2 (1.00)
<i>DEL C(0.)</i>	1195 (4.78)	542373 (1.40)	29 (29.00)	1705 (4.49)	408582 (1.70)	33 (16.50)
<i>b4dedx</i>	1185 (1.01)	211908 (3.59)	1 (1.00)	1688 (1.01)	48934 (14.17)	2 (1.00)
<i>cpitrs</i>	1101 (1.08)	316833 (2.40)	1 (1.00)	1684 (1.00)	15609 (44.42)	2 (1.00)
<i>cpitail</i>	1101 (1.00)	56363 (13.50)	1 (1.00)	1684 (1.00)	1663 (416.94)	2 (1.00)
<i>cktrs · cktail · bwtrs</i>	262 (4.20)	382740 (1.99)	7 (7.00)	412 (4.09)	247688 (2.80)	19 (9.50)
<i>BOX</i>	262 (1.00)	0 (760960.00)	1 (1.00)	412 (1.00)	0 (693379.00)	2 (1.00)
<i>icodel14</i>	262 (1.00)	4 (190240.00)	1 (1.00)	412 (1.00)	3 (231126.00)	2 (1.00)
<i>cos3d</i>	258 (1.02)	58076 (13.10)	1 (1.00)	403 (1.02)	51291 (13.52)	2 (1.00)
<i>layv4</i>	258 (1.00)	0 (760960.00)	1 (1.00)	403 (1.00)	0 (693379.00)	2 (1.00)
<i>zfrf</i>	257 (1.00)	822 (925.74)	1 (1.00)	402 (1.00)	873 (794.25)	2 (1.00)
<i>zutout</i>	257 (1.00)	591 (1287.58)	1 (1.00)	401 (1.00)	495 (1400.77)	2 (1.00)
FIDUCIAL	257 (1.00)	59159 (12.86)	1 (1.00)	401 (1.00)	52365 (13.24)	2 (1.00)
<i>utcqual</i>	206 (1.25)	153510 (4.96)	1 (1.00)	330 (1.22)	140580 (4.93)	2 (1.00)
<i>rsdedxcl</i>	206 (1.00)	0 (760960.00)	1 (1.00)	330 (1.00)	0 (693379.00)	2 (1.00)
<i>rsdedxmax</i>	206 (1.00)	0 (760960.00)	1 (1.00)	330 (1.00)	0 (693379.00)	2 (1.00)

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Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>rslike</i>	206 (1.00)	0 (760960.00)	1 (1.00)	330 (1.00)	0 (693379.00)	2 (1.00)
<i>tgktim</i>	206 (1.00)	0 (760960.00)	1 (1.00)	330 (1.00)	0 (693379.00)	2 (1.00)
<i>rngmom</i>	13 (15.85)	222615 (3.42)	1 (1.00)	20 (16.50)	324611 (2.14)	2 (1.00)
<i>prrf1</i>	13 (1.00)	24461 (31.11)	1 (1.00)	19 (1.05)	23079 (30.04)	2 (1.00)
<i>prrfz</i>	13 (1.00)	51701 (14.72)	1 (1.00)	17 (1.12)	39032 (17.76)	2 (1.00)
PRRF	13 (1.00)	73590 (10.34)	1 (1.00)	17 (1.00)	59946 (11.57)	2 (1.00)
<i>rtghi</i>	13 (1.00)	2454 (310.09)	1 (1.00)	17 (1.00)	2507 (276.58)	2 (1.00)
<i>etghi</i>	13 (1.00)	18402 (41.35)	1 (1.00)	17 (1.00)	17492 (39.64)	2 (1.00)
<i>tgdedx1</i>	11 (1.18)	136066 (5.59)	1 (1.00)	14 (1.21)	126292 (5.49)	2 (1.00)
<i>tgdedx2</i>	11 (1.00)	63553 (11.97)	1 (1.00)	14 (1.00)	58299 (11.89)	2 (1.00)
tgdedx	11 (1.00)	210199 (3.62)	1 (1.00)	14 (1.00)	194980 (3.56)	2 (1.00)
<i>tglike1</i>	11 (1.00)	108221 (7.03)	1 (1.00)	13 (1.08)	103520 (6.70)	2 (1.00)
<i>tglike2</i>	11 (1.00)	97566 (7.80)	1 (1.00)	13 (1.00)	91289 (7.60)	2 (1.00)
TGLIKE	11 (1.00)	146750 (5.19)	1 (1.00)	13 (1.00)	138653 (5.00)	2 (1.00)
<i>tgdb4</i>	11 (1.00)	60715 (12.53)	1 (1.00)	12 (1.08)	58646 (11.82)	2 (1.00)
<i>tgdb4tip</i>	11 (1.00)	207353 (3.67)	1 (1.00)	12 (1.00)	146730 (4.73)	2 (1.00)
<i>tgdvxtip</i>	10 (1.10)	124720 (6.10)	1 (1.00)	12 (1.00)	69571 (9.97)	2 (1.00)
<i>tgdvxpi</i>	10 (1.00)	86434 (8.80)	1 (1.00)	12 (1.00)	72568 (9.55)	2 (1.00)
TGB4	10 (1.00)	313199 (2.43)	1 (1.00)	12 (1.00)	222582 (3.12)	2 (1.00)
<i>pigap</i>	9 (1.11)	68449 (11.12)	1 (1.00)	12 (1.00)	66834 (10.37)	2 (1.00)
KIN	9 (1.00)	644621 (1.18)	1 (1.00)	12 (1.00)	604818 (1.15)	2 (1.00)
<i>pi_flg</i>	9 (1.00)	25872 (29.41)	1 (1.00)	12 (1.00)	38791 (17.87)	2 (1.00)
<i>ev502</i>	8 (1.12)	217461 (3.50)	1 (1.00)	7 (1.71)	206662 (3.36)	2 (1.00)
<i>elveto</i>	7 (1.14)	184150 (4.13)	1 (1.00)	7 (1.00)	233187 (2.97)	2 (1.00)
<i>tdfool</i>	7 (1.00)	133776 (5.69)	1 (1.00)	7 (1.00)	184971 (3.75)	2 (1.00)
<i>tdvarnn02</i>	6 (1.17)	282448 (2.69)	1 (1.00)	6 (1.17)	333708 (2.08)	2 (1.00)
TD	6 (1.00)	431912 (1.76)	1 (1.00)	6 (1.00)	451695 (1.54)	2 (1.00)
<i>targf</i>	6 (1.00)	104906 (7.25)	1 (1.00)	6 (1.00)	113976 (6.08)	2 (1.00)
<i>b4ekz</i>	2 (3.00)	519909 (1.46)	1 (1.00)	4 (1.50)	398844 (1.74)	3 (1.50)
<i>epimaxk</i>	2 (1.00)	46836 (16.25)	1 (1.00)	4 (1.00)	48479 (14.30)	2 (1.00)
<i>phivtx1</i>	2 (1.00)	168132 (4.53)	1 (1.00)	3 (1.33)	159973 (4.33)	2 (1.00)
<i>opsveto</i>	1 (2.00)	233214 (3.26)	1 (1.00)	2 (1.50)	228900 (3.03)	2 (1.00)
<i>tdedge</i>	1 (1.00)	107754 (7.06)	1 (1.00)	2 (1.00)	69238 (10.01)	2 (1.00)
<i>tgccdpf off</i>	1 (1.00)	0 (760960.00)	1 (1.00)	2 (1.00)	0 (693379.00)	2 (1.00)
<i>rtghi</i>	1 (1.00)	2454 (310.09)	1 (1.00)	2 (1.00)	2507 (276.58)	2 (1.00)
<i>etghi</i>	1 (1.00)	18402 (41.35)	1 (1.00)	2 (1.00)	17492 (39.64)	2 (1.00)
<i>tgdedx1</i>	1 (1.00)	136066 (5.59)	1 (1.00)	2 (1.00)	126292 (5.49)	2 (1.00)
<i>tgdedx2</i>	1 (1.00)	63553 (11.97)	1 (1.00)	2 (1.00)	58299 (11.89)	2 (1.00)
tgdedx	1 (1.00)	210199 (3.62)	1 (1.00)	2 (1.00)	194980 (3.56)	2 (1.00)
<i>tglike1</i>	1 (1.00)	108221 (7.03)	1 (1.00)	2 (1.00)	103520 (6.70)	2 (1.00)
<i>tglike2</i>	1 (1.00)	97566 (7.80)	1 (1.00)	2 (1.00)	91289 (7.60)	2 (1.00)
TGLIKE	1 (1.00)	146750 (5.19)	1 (1.00)	2 (1.00)	138653 (5.00)	2 (1.00)
<i>tgdb4</i>	1 (1.00)	60715 (12.53)	1 (1.00)	2 (1.00)	58646 (11.82)	2 (1.00)
<i>tgdb4tip</i>	1 (1.00)	207353 (3.67)	1 (1.00)	2 (1.00)	146730 (4.73)	2 (1.00)
<i>tgdvxtip</i>	1 (1.00)	124720 (6.10)	1 (1.00)	2 (1.00)	69571 (9.97)	2 (1.00)
<i>tgdvxpi</i>	1 (1.00)	86434 (8.80)	1 (1.00)	2 (1.00)	72568 (9.55)	2 (1.00)
TGB4	1 (1.00)	313199 (2.43)	1 (1.00)	2 (1.00)	222582 (3.12)	2 (1.00)
<i>pigap</i>	1 (1.00)	68449 (11.12)	1 (1.00)	2 (1.00)	66834 (10.37)	2 (1.00)
TGKIN	1 (1.00)	479817 (1.59)	1 (1.00)	2 (1.00)	396474 (1.75)	2 (1.00)

continued on next page

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>tgpv</i>	1 (1.00)	228468 (3.33)	1 (1.00)	2 (1.00)	263566 (2.63)	2 (1.00)
Total Rej.	6.00			3.00		

Table 18: 2-Beam Normalization. Branch no. 3

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	2 (1.00)	693379 (0.00)	0 (693379.00)	1 (1.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	2 (1.00)	693379 (1.00)	0 (693379.00)	1 (1.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	2 (1.00)	693379 (1.00)	0 (693379.00)	1 (1.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	2 (1.00)	693379 (1.00)	0 (693379.00)	1 (1.00)
<i>pv(nottg)</i>	434518 (1.75)	326442 (2.33)	13 (6.50)	349534 (1.98)	343845 (2.02)	15 (15.00)
<i>tgqualt</i>	405618 (1.07)	54372 (14.00)	2 (1.00)	324634 (1.08)	52939 (13.10)	1 (1.00)
<i>timcon</i>	401906 (1.01)	8947 (85.05)	2 (1.00)	321024 (1.01)	9941 (69.75)	1 (1.00)
<i>epitg</i>	394421 (1.02)	19681 (38.66)	2 (1.00)	313270 (1.02)	24548 (28.25)	1 (1.00)
<i>tger</i>	387304 (1.02)	20708 (36.75)	2 (1.00)	306960 (1.02)	20217 (34.30)	1 (1.00)
<i>ticcon</i>	387294 (1.00)	115 (6617.04)	2 (1.00)	306944 (1.00)	195 (3555.79)	1 (1.00)
<i>dtgttp</i>	387241 (1.00)	652 (1167.12)	2 (1.00)	306922 (1.00)	463 (1497.58)	1 (1.00)
<i>rtdif</i>	377046 (1.03)	17878 (42.56)	2 (1.00)	302984 (1.01)	9430 (73.53)	1 (1.00)
<i>drp</i>	370460 (1.02)	13580 (56.04)	2 (1.00)	298703 (1.01)	11951 (58.02)	1 (1.00)
<i>eiicon</i>	361529 (1.02)	32111 (23.70)	2 (1.00)	292000 (1.02)	31845 (21.77)	1 (1.00)
<i>kic</i>	317131 (1.14)	153224 (4.97)	2 (1.00)	255860 (1.14)	115779 (5.99)	1 (1.00)
<i>tggeo</i>	268959 (1.18)	318014 (2.39)	2 (1.00)	219619 (1.17)	284908 (2.43)	1 (1.00)
<i>tgzfool</i>	267154 (1.01)	12300 (61.87)	2 (1.00)	218119 (1.01)	14042 (49.38)	1 (1.00)
<i>upvtrs</i>	243164 (1.10)	60515 (12.57)	2 (1.00)	210455 (1.04)	22490 (30.83)	1 (1.00)
<i>rtrs</i>	241142 (1.01)	15488 (49.13)	2 (1.00)	209044 (1.01)	13514 (51.31)	1 (1.00)
<i>tgtcon</i>	228388 (1.06)	60538 (12.57)	2 (1.00)	200271 (1.04)	59246 (11.70)	1 (1.00)
<i>b4etcon</i>	221854 (1.03)	23525 (32.35)	2 (1.00)	195519 (1.02)	18591 (37.30)	1 (1.00)
<i>b4tim</i>	80692 (2.75)	393633 (1.93)	2 (1.00)	91147 (2.15)	257503 (2.69)	1 (1.00)
<i>tgtim</i>	80692 (1.00)	0 (760960.00)	2 (1.00)	91147 (1.00)	0 (693379.00)	1 (1.00)
<i>tgenr</i>	78663 (1.03)	92499 (8.23)	2 (1.00)	89162 (1.02)	88431 (7.84)	1 (1.00)
<i>chi567</i>	27883 (2.82)	509863 (1.49)	3 (1.50)	32893 (2.71)	469182 (1.48)	1 (1.00)
<i>npitg</i>	27883 (1.00)	54372 (14.00)	2 (1.00)	32893 (1.00)	52939 (13.10)	1 (1.00)
<i>verrng</i>	20126 (1.39)	320703 (2.37)	5 (2.50)	24082 (1.37)	296173 (2.34)	2 (2.00)
<i>chi5max</i>	19259 (1.05)	225182 (3.38)	2 (1.00)	23109 (1.04)	206762 (3.35)	1 (1.00)
<i>angli</i>	19191 (1.00)	53396 (14.25)	2 (1.00)	23030 (1.00)	51432 (13.48)	1 (1.00)
<i>ALLK fit</i>	12170 (1.58)	290248 (2.62)	2 (1.00)	15738 (1.46)	196022 (3.54)	1 (1.00)
<i>tpics</i>	10654 (1.14)	97657 (7.79)	2 (1.00)	13766 (1.14)	93583 (7.41)	1 (1.00)
<i>epionk</i>	10325 (1.03)	21888 (34.77)	2 (1.00)	13279 (1.04)	29383 (23.60)	1 (1.00)
<i>ccdpu</i>	8698 (1.19)	197372 (3.86)	8 (4.00)	11294 (1.18)	189454 (3.66)	3 (3.00)
<i>timkf</i>	5715 (1.52)	551749 (1.38)	2 (1.00)	7656 (1.48)	432126 (1.60)	1 (1.00)
<i>DEL(0.)</i>	1195 (4.78)	542373 (1.40)	8 (4.00)	1705 (4.49)	408582 (1.70)	1 (1.00)
<i>b4dedx</i>	1185 (1.01)	211908 (3.59)	2 (1.00)	1688 (1.01)	48934 (14.17)	1 (1.00)
<i>cktrs</i>	976 (1.21)	266358 (2.86)	2 (1.00)	1355 (1.25)	391379 (1.77)	1 (1.00)
<i>cktail</i>	955 (1.02)	170164 (4.47)	2 (1.00)	1320 (1.03)	211738 (3.27)	1 (1.00)
<i>BOX</i>	955 (1.00)	0 (760960.00)	2 (1.00)	1320 (1.00)	0 (693379.00)	1 (1.00)
<i>icodel14</i>	955 (1.00)	4 (190240.00)	2 (1.00)	1320 (1.00)	3 (231126.00)	1 (1.00)
<i>cos3d</i>	925 (1.03)	58076 (13.10)	2 (1.00)	1266 (1.04)	51291 (13.52)	1 (1.00)
<i>layv4</i>	925 (1.00)	0 (760960.00)	2 (1.00)	1266 (1.00)	0 (693379.00)	1 (1.00)
<i>zfrf</i>	923 (1.00)	822 (925.74)	2 (1.00)	1264 (1.00)	873 (794.25)	1 (1.00)
<i>zutout</i>	923 (1.00)	591 (1287.58)	2 (1.00)	1262 (1.00)	495 (1400.77)	1 (1.00)
FIDUCIAL	923 (1.00)	59159 (12.86)	2 (1.00)	1262 (1.00)	52365 (13.24)	1 (1.00)
<i>utqual</i>	726 (1.27)	153510 (4.96)	2 (1.00)	1031 (1.22)	140580 (4.93)	1 (1.00)
<i>rsdedxcl</i>	726 (1.00)	0 (760960.00)	2 (1.00)	1031 (1.00)	0 (693379.00)	1 (1.00)
<i>rsdedxmax</i>	726 (1.00)	0 (760960.00)	2 (1.00)	1031 (1.00)	0 (693379.00)	1 (1.00)
<i>rslike</i>	726 (1.00)	0 (760960.00)	2 (1.00)	1031 (1.00)	0 (693379.00)	1 (1.00)

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Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>tgktim</i>	726 (1.00)	0 (760960.00)	2 (1.00)	1031 (1.00)	0 (693379.00)	1 (1.00)
<i>rngmom</i>	95 (7.64)	222615 (3.42)	2 (1.00)	66 (15.62)	324611 (2.14)	1 (1.00)
<i>prrf1</i>	93 (1.02)	24461 (31.11)	2 (1.00)	61 (1.08)	23079 (30.04)	1 (1.00)
<i>prrfz</i>	90 (1.03)	51701 (14.72)	2 (1.00)	60 (1.02)	39032 (17.76)	1 (1.00)
PRRF	90 (1.00)	73590 (10.34)	2 (1.00)	60 (1.00)	59946 (11.57)	1 (1.00)
<i>rtghi</i>	90 (1.00)	2454 (310.09)	2 (1.00)	60 (1.00)	2507 (276.58)	1 (1.00)
<i>etghi</i>	90 (1.00)	18402 (41.35)	2 (1.00)	60 (1.00)	17492 (39.64)	1 (1.00)
<i>tgdedx1</i>	75 (1.20)	136066 (5.59)	2 (1.00)	54 (1.11)	126292 (5.49)	1 (1.00)
<i>tgdedx2</i>	75 (1.00)	63553 (11.97)	2 (1.00)	54 (1.00)	58299 (11.89)	1 (1.00)
tgdedx	75 (1.00)	210199 (3.62)	2 (1.00)	54 (1.00)	194980 (3.56)	1 (1.00)
<i>tglike1</i>	75 (1.00)	108221 (7.03)	2 (1.00)	54 (1.00)	103520 (6.70)	1 (1.00)
<i>tglike2</i>	75 (1.00)	97566 (7.80)	2 (1.00)	54 (1.00)	91289 (7.60)	1 (1.00)
TGLIKE	75 (1.00)	146750 (5.19)	2 (1.00)	54 (1.00)	138653 (5.00)	1 (1.00)
<i>tgdb4</i>	72 (1.04)	60715 (12.53)	2 (1.00)	53 (1.02)	58646 (11.82)	1 (1.00)
<i>tgdb4tip</i>	65 (1.11)	207353 (3.67)	2 (1.00)	52 (1.02)	146730 (4.73)	1 (1.00)
<i>tgdvxtip</i>	62 (1.05)	124720 (6.10)	2 (1.00)	52 (1.00)	69571 (9.97)	1 (1.00)
<i>tgdvxpi</i>	62 (1.00)	86434 (8.80)	2 (1.00)	52 (1.00)	72568 (9.55)	1 (1.00)
TGB4	62 (1.00)	313199 (2.43)	2 (1.00)	52 (1.00)	222582 (3.12)	1 (1.00)
<i>pigap</i>	58 (1.07)	68449 (11.12)	2 (1.00)	51 (1.02)	66834 (10.37)	1 (1.00)
KIN	58 (1.00)	644621 (1.18)	2 (1.00)	51 (1.00)	604818 (1.15)	1 (1.00)
<i>pi_flg</i>	58 (1.00)	25872 (29.41)	2 (1.00)	49 (1.04)	38791 (17.87)	1 (1.00)
<i>ev502</i>	47 (1.23)	217461 (3.50)	2 (1.00)	43 (1.14)	206662 (3.36)	1 (1.00)
<i>elveto</i>	44 (1.07)	184150 (4.13)	2 (1.00)	41 (1.05)	233187 (2.97)	1 (1.00)
<i>tdfool</i>	44 (1.00)	133776 (5.69)	2 (1.00)	41 (1.00)	184971 (3.75)	1 (1.00)
<i>tdvarnn02</i>	32 (1.38)	282448 (2.69)	2 (1.00)	35 (1.17)	333708 (2.08)	1 (1.00)
TD	32 (1.00)	431912 (1.76)	2 (1.00)	35 (1.00)	451695 (1.54)	1 (1.00)
<i>cpitr_s · cpitail · bwtr_s</i>	23 (1.39)	346496 (2.20)	10 (5.00)	4 (8.75)	518531 (1.34)	29 (29.00)
<i>b4tr_s</i>	2 (11.50)	169944 (4.48)	23 (11.50)	1 (4.00)	161863 (4.28)	4 (4.00)
<i>b4ccd</i>	2 (1.00)	9140 (83.26)	2 (1.00)	1 (1.00)	11220 (61.80)	1 (1.00)
Total Rej.	11.50			4.00		

Table 19: 2-Beam Normalization. Branch no. 4

Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>BOX</i>	760960 (0.00)	0 (760960.00)	1 (1.00)	693379 (0.00)	0 (693379.00)	1 (1.00)
<i>rsdedxmax</i>	760960 (1.00)	0 (760960.00)	1 (1.00)	693379 (1.00)	0 (693379.00)	1 (1.00)
<i>rsdedxcl</i>	760960 (1.00)	0 (760960.00)	1 (1.00)	693379 (1.00)	0 (693379.00)	1 (1.00)
<i>rslike</i>	760960 (1.00)	0 (760960.00)	1 (1.00)	693379 (1.00)	0 (693379.00)	1 (1.00)
<i>pv(nottg)</i>	434518 (1.75)	326442 (2.33)	8 (8.00)	349534 (1.98)	343845 (2.02)	7 (7.00)
<i>tgqualt</i>	405618 (1.07)	54372 (14.00)	1 (1.00)	324634 (1.08)	52939 (13.10)	1 (1.00)
<i>timcon</i>	401906 (1.01)	8947 (85.05)	1 (1.00)	321024 (1.01)	9941 (69.75)	1 (1.00)
<i>epitg</i>	394421 (1.02)	19681 (38.66)	1 (1.00)	313270 (1.02)	24548 (28.25)	1 (1.00)
<i>tger</i>	387304 (1.02)	20708 (36.75)	1 (1.00)	306960 (1.02)	20217 (34.30)	1 (1.00)
<i>ticcon</i>	387294 (1.00)	115 (6617.04)	1 (1.00)	306944 (1.00)	195 (3555.79)	1 (1.00)
<i>dtgttp</i>	387241 (1.00)	652 (1167.12)	1 (1.00)	306922 (1.00)	463 (1497.58)	1 (1.00)
<i>rtdif</i>	377046 (1.03)	17878 (42.56)	1 (1.00)	302984 (1.01)	9430 (73.53)	1 (1.00)
<i>drp</i>	370460 (1.02)	13580 (56.04)	1 (1.00)	298703 (1.01)	11951 (58.02)	1 (1.00)
<i>eiicon</i>	361529 (1.02)	32111 (23.70)	1 (1.00)	292000 (1.02)	31845 (21.77)	1 (1.00)
<i>kic</i>	317131 (1.14)	153224 (4.97)	1 (1.00)	255860 (1.14)	115779 (5.99)	1 (1.00)
<i>tggeo</i>	268959 (1.18)	318014 (2.39)	1 (1.00)	219619 (1.17)	284908 (2.43)	1 (1.00)
<i>tgzfool</i>	267154 (1.01)	12300 (61.87)	1 (1.00)	218119 (1.01)	14042 (49.38)	1 (1.00)
<i>upvtrs</i>	243164 (1.10)	60515 (12.57)	1 (1.00)	210455 (1.04)	22490 (30.83)	1 (1.00)
<i>rvttrs</i>	241142 (1.01)	15488 (49.13)	1 (1.00)	209044 (1.01)	13514 (51.31)	1 (1.00)
<i>tgtcon</i>	228388 (1.06)	60538 (12.57)	1 (1.00)	200271 (1.04)	59246 (11.70)	1 (1.00)
<i>b4etcon</i>	221854 (1.03)	23525 (32.35)	1 (1.00)	195519 (1.02)	18591 (37.30)	1 (1.00)
<i>b4tim</i>	80692 (2.75)	393633 (1.93)	1 (1.00)	91147 (2.15)	257503 (2.69)	1 (1.00)
<i>tgttim</i>	80692 (1.00)	0 (760960.00)	1 (1.00)	91147 (1.00)	0 (693379.00)	1 (1.00)
<i>tgenr</i>	78663 (1.03)	92499 (8.23)	1 (1.00)	89162 (1.02)	88431 (7.84)	1 (1.00)
<i>chi567</i>	27883 (2.82)	509863 (1.49)	1 (1.00)	32893 (2.71)	469182 (1.48)	1 (1.00)
<i>npitg</i>	27883 (1.00)	54372 (14.00)	1 (1.00)	32893 (1.00)	52939 (13.10)	1 (1.00)
<i>verrng</i>	20126 (1.39)	320703 (2.37)	1 (1.00)	24082 (1.37)	296173 (2.34)	1 (1.00)
<i>chi5max</i>	19259 (1.05)	225182 (3.38)	1 (1.00)	23109 (1.04)	206762 (3.35)	1 (1.00)
<i>angli</i>	19191 (1.00)	53396 (14.25)	1 (1.00)	23030 (1.00)	51432 (13.48)	1 (1.00)
<i>ALLK fit</i>	12170 (1.58)	290248 (2.62)	1 (1.00)	15738 (1.46)	196022 (3.54)	2 (2.00)
<i>tpics</i>	10654 (1.14)	97657 (7.79)	1 (1.00)	13766 (1.14)	93583 (7.41)	1 (1.00)
<i>epionk</i>	10325 (1.03)	21888 (34.77)	1 (1.00)	13279 (1.04)	29383 (23.60)	1 (1.00)
<i>ccdpu</i>	8698 (1.19)	197372 (3.86)	1 (1.00)	11294 (1.18)	189454 (3.66)	2 (2.00)
<i>timkf</i>	5715 (1.52)	551749 (1.38)	1 (1.00)	7656 (1.48)	432126 (1.60)	1 (1.00)
<i>DELIC(0.)</i>	1195 (4.78)	542373 (1.40)	2 (2.00)	1705 (4.49)	408582 (1.70)	1 (1.00)
<i>b4dedx</i>	1185 (1.01)	211908 (3.59)	1 (1.00)	1688 (1.01)	48934 (14.17)	1 (1.00)
<i>cktrs</i>	976 (1.21)	266358 (2.86)	1 (1.00)	1355 (1.25)	391379 (1.77)	1 (1.00)
<i>cktail</i>	955 (1.02)	170164 (4.47)	1 (1.00)	1320 (1.03)	211738 (3.27)	1 (1.00)
<i>BOX</i>	955 (1.00)	0 (760960.00)	1 (1.00)	1320 (1.00)	0 (693379.00)	1 (1.00)
<i>icodel14</i>	955 (1.00)	4 (190240.00)	1 (1.00)	1320 (1.00)	3 (231126.00)	1 (1.00)
<i>cos3d</i>	925 (1.03)	58076 (13.10)	1 (1.00)	1266 (1.04)	51291 (13.52)	1 (1.00)
<i>layv4</i>	925 (1.00)	0 (760960.00)	1 (1.00)	1266 (1.00)	0 (693379.00)	1 (1.00)
<i>zfrf</i>	923 (1.00)	822 (925.74)	1 (1.00)	1264 (1.00)	873 (794.25)	1 (1.00)
<i>zutout</i>	923 (1.00)	591 (1287.58)	1 (1.00)	1262 (1.00)	495 (1400.77)	1 (1.00)
FIDUCIAL	923 (1.00)	59159 (12.86)	1 (1.00)	1262 (1.00)	52365 (13.24)	1 (1.00)
<i>utqual</i>	726 (1.27)	153510 (4.96)	1 (1.00)	1031 (1.22)	140580 (4.93)	1 (1.00)
<i>rsdedxcl</i>	726 (1.00)	0 (760960.00)	1 (1.00)	1031 (1.00)	0 (693379.00)	1 (1.00)
<i>rsdedxmax</i>	726 (1.00)	0 (760960.00)	1 (1.00)	1031 (1.00)	0 (693379.00)	1 (1.00)
<i>rslike</i>	726 (1.00)	0 (760960.00)	1 (1.00)	1031 (1.00)	0 (693379.00)	1 (1.00)

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Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>tgtim</i>	726 (1.00)	0 (760960.00)	1 (1.00)	1031 (1.00)	0 (693379.00)	1 (1.00)
<i>rngmom</i>	95 (7.64)	222615 (3.42)	1 (1.00)	66 (15.62)	324611 (2.14)	1 (1.00)
<i>prrf1</i>	93 (1.02)	24461 (31.11)	1 (1.00)	61 (1.08)	23079 (30.04)	1 (1.00)
<i>prrfz</i>	90 (1.03)	51701 (14.72)	1 (1.00)	60 (1.02)	39032 (17.76)	1 (1.00)
PRRF	90 (1.00)	73590 (10.34)	1 (1.00)	60 (1.00)	59946 (11.57)	1 (1.00)
<i>rtghi</i>	90 (1.00)	2454 (310.09)	1 (1.00)	60 (1.00)	2507 (276.58)	1 (1.00)
<i>etghi</i>	90 (1.00)	18402 (41.35)	1 (1.00)	60 (1.00)	17492 (39.64)	1 (1.00)
<i>tgdedx1</i>	75 (1.20)	136066 (5.59)	1 (1.00)	54 (1.11)	126292 (5.49)	1 (1.00)
<i>tgdedx2</i>	75 (1.00)	63553 (11.97)	1 (1.00)	54 (1.00)	58299 (11.89)	1 (1.00)
tgdedx	75 (1.00)	210199 (3.62)	1 (1.00)	54 (1.00)	194980 (3.56)	1 (1.00)
<i>tglike1</i>	75 (1.00)	108221 (7.03)	1 (1.00)	54 (1.00)	103520 (6.70)	1 (1.00)
<i>tglike2</i>	75 (1.00)	97566 (7.80)	1 (1.00)	54 (1.00)	91289 (7.60)	1 (1.00)
TGLIKE	75 (1.00)	146750 (5.19)	1 (1.00)	54 (1.00)	138653 (5.00)	1 (1.00)
<i>tgdb4</i>	72 (1.04)	60715 (12.53)	1 (1.00)	53 (1.02)	58646 (11.82)	1 (1.00)
<i>tgdb4tip</i>	65 (1.11)	207353 (3.67)	1 (1.00)	52 (1.02)	146730 (4.73)	1 (1.00)
<i>tgdvxtip</i>	62 (1.05)	124720 (6.10)	1 (1.00)	52 (1.00)	69571 (9.97)	1 (1.00)
<i>tgduxpi</i>	62 (1.00)	86434 (8.80)	1 (1.00)	52 (1.00)	72568 (9.55)	1 (1.00)
TGB4	62 (1.00)	313199 (2.43)	1 (1.00)	52 (1.00)	222582 (3.12)	1 (1.00)
<i>pigap</i>	58 (1.07)	68449 (11.12)	1 (1.00)	51 (1.02)	66834 (10.37)	1 (1.00)
KIN	58 (1.00)	644621 (1.18)	1 (1.00)	51 (1.00)	604818 (1.15)	1 (1.00)
<i>pi_flg</i>	58 (1.00)	25872 (29.41)	1 (1.00)	49 (1.04)	38791 (17.87)	1 (1.00)
<i>ev502</i>	47 (1.23)	217461 (3.50)	1 (1.00)	43 (1.14)	206662 (3.36)	1 (1.00)
<i>elveto</i>	44 (1.07)	184150 (4.13)	1 (1.00)	41 (1.05)	233187 (2.97)	1 (1.00)
<i>tdfool</i>	44 (1.00)	133776 (5.69)	1 (1.00)	41 (1.00)	184971 (3.75)	1 (1.00)
<i>tdvarnn02</i>	32 (1.38)	282448 (2.69)	1 (1.00)	35 (1.17)	333708 (2.08)	1 (1.00)
TD	32 (1.00)	431912 (1.76)	1 (1.00)	35 (1.00)	451695 (1.54)	1 (1.00)
<i>cpitrs · cpitail · bwtrs</i>	23 (1.39)	346496 (2.20)	7 (7.00)	4 (8.75)	518531 (1.34)	18 (18.00)
<i>targf</i>	23 (1.00)	104906 (7.25)	1 (1.00)	4 (1.00)	113976 (6.08)	1 (1.00)
<i>b4ekz</i>	13 (1.77)	519909 (1.46)	1 (1.00)	3 (1.33)	398844 (1.74)	2 (2.00)
<i>epimaxk</i>	13 (1.00)	46836 (16.25)	1 (1.00)	3 (1.00)	48479 (14.30)	1 (1.00)
<i>phivtx1</i>	7 (1.86)	168132 (4.53)	1 (1.00)	2 (1.50)	159973 (4.33)	1 (1.00)
<i>opsveto</i>	1 (7.00)	233214 (3.26)	3 (3.00)	1 (2.00)	228900 (3.03)	1 (1.00)
<i>tdedge</i>	1 (1.00)	107754 (7.06)	1 (1.00)	1 (1.00)	69238 (10.01)	1 (1.00)
<i>tgccdpf off</i>	1 (1.00)	0 (760960.00)	1 (1.00)	1 (1.00)	0 (693379.00)	1 (1.00)
<i>rtghi</i>	1 (1.00)	2454 (310.09)	1 (1.00)	1 (1.00)	2507 (276.58)	1 (1.00)
<i>etghi</i>	1 (1.00)	18402 (41.35)	1 (1.00)	1 (1.00)	17492 (39.64)	1 (1.00)
<i>tgdedx1</i>	1 (1.00)	136066 (5.59)	1 (1.00)	1 (1.00)	126292 (5.49)	1 (1.00)
<i>tgdedx2</i>	1 (1.00)	63553 (11.97)	1 (1.00)	1 (1.00)	58299 (11.89)	1 (1.00)
tgdedx	1 (1.00)	210199 (3.62)	1 (1.00)	1 (1.00)	194980 (3.56)	1 (1.00)
<i>tglike1</i>	1 (1.00)	108221 (7.03)	1 (1.00)	1 (1.00)	103520 (6.70)	1 (1.00)
<i>tglike2</i>	1 (1.00)	97566 (7.80)	1 (1.00)	1 (1.00)	91289 (7.60)	1 (1.00)
TGLIKE	1 (1.00)	146750 (5.19)	1 (1.00)	1 (1.00)	138653 (5.00)	1 (1.00)
<i>tgdb4</i>	1 (1.00)	60715 (12.53)	1 (1.00)	1 (1.00)	58646 (11.82)	1 (1.00)
<i>tgdb4tip</i>	1 (1.00)	207353 (3.67)	1 (1.00)	1 (1.00)	146730 (4.73)	1 (1.00)
<i>tgdvxtip</i>	1 (1.00)	124720 (6.10)	1 (1.00)	1 (1.00)	69571 (9.97)	1 (1.00)
<i>tgduxpi</i>	1 (1.00)	86434 (8.80)	1 (1.00)	1 (1.00)	72568 (9.55)	1 (1.00)
TGB4	1 (1.00)	313199 (2.43)	1 (1.00)	1 (1.00)	222582 (3.12)	1 (1.00)
<i>pigap</i>	1 (1.00)	68449 (11.12)	1 (1.00)	1 (1.00)	66834 (10.37)	1 (1.00)
TGKIN	1 (1.00)	479817 (1.59)	1 (1.00)	1 (1.00)	396474 (1.75)	1 (1.00)

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Cuts	early seq	early single	early allbut	late seq	late single	late allbut
<i>tgpv</i>	1 (1.00)	228468 (3.33)	1 (1.00)	1 (1.00)	263566 (2.63)	1 (1.00)
Total Rej.	23.00			4.00		