

Comparing Km2 Acceptance for the output ntuples for the original PNN2 2006 processing to the new and improved 2007 code.

Cuts	Loose		Tight	
	2006 ntuples	2007 ntuples	2006 ntuples	2007 ntuples
RD	0.99994 ± 0.000590	0.99993 ± 0.000581	0.99994 ± 0.000590	0.99993 ± 0.000581
Recon	0.99943 ± 0.000821	0.99944 ± 0.000806	0.99962 ± 0.001167	0.99962 ± 0.001147
Beam	0.09873 ± 0.000051	0.13655 ± 0.000070	0.09389 ± 0.000049	0.12366 ± 0.000063
PV	0.48212 ± 0.002516	0.48465 ± 0.002092	0.25935 ± 0.001394	0.25876 ± 0.001182
Muon	0.04757 ± 0.002516	0.06614 ± 0.002092	0.02434 ± 0.001394	0.03198 ± 0.001182

Table 1: Muon Summary Table.

Table 2: Muon RD Branch no. 1

Cuts	km2loose acc	km2newloose acc	km2tight acc	km2newtight acc
<i>BADRUN</i>	5189813 (-)	5358988 (-)	5189813 (-)	5358988 (-)
<i>ictime - cktbm</i>	3324048 (-)	3457079 (-)	3324048 (-)	3457079 (-)
<i>icbit</i>	3322245 (-)	3455005 (-)	3322245 (-)	3455005 (-)
<i>b4dedx</i>	3222580 (-)	3342586 (-)	3222580 (-)	3342586 (-)
<i>UTC</i>	3217622 (-)	3337468 (-)	3217622 (-)	3337468 (-)
<i>TARGET</i>	3217622 (-)	3337468 (-)	3217622 (-)	3337468 (-)
<i>utcqual Loose</i>	2871573 (-)	2965700 (-)	2871573 (-)	2965700 (-)
<i>RD_{TRK}</i>	2871573 (1)	2965700 (1)	2871573 (1)	2965700 (1)
<i>TRKTIM</i>	2871396 (0.999938)	2965503 (0.999934)	2871396 (0.999938)	2965503 (0.999934)
Muon RD Acc.	0.99994 ± 0.000590	0.99993 ± 0.000581	0.99994 ± 0.000590	0.99993 ± 0.000581

Table 3: Muon Recon Branch no. 1

Cuts	km2loose acc	km2newloose acc	km2tight acc	km2newtight acc
<i>BADRUN</i>	5189813 (-)	5358988 (-)	5189813 (-)	5358988 (-)
<i>ictime - cktbm</i>	3324048 (-)	3457079 (-)	3324048 (-)	3457079 (-)
<i>icbit</i>	3322245 (-)	3455005 (-)	3322245 (-)	3455005 (-)
<i>b4dedx</i>	3222580 (-)	3342586 (-)	3222580 (-)	3342586 (-)
<i>cpitrs</i>	3179262 (-)	3296001 (-)	3179262 (-)	3296001 (-)
<i>cpitail</i>	3176138 (-)	3292765 (-)	3176138 (-)	3292765 (-)
<i>cktrs</i>	3014946 (-)	3111758 (-)	3014946 (-)	3111758 (-)
<i>cktail</i>	2937942 (-)	3029704 (-)	2937942 (-)	3029704 (-)
<i>bwtrs</i>	2747076 (-)	2831668 (-)	2747076 (-)	2831668 (-)
<i>PVnoBV Loose60</i>	1483490 (-)	1538173 (-)	733287 (-)	758970 (-)
<i>RD_TRK</i>	1483490 (-)	1538173 (-)	733287 (-)	758970 (-)
<i>TRKTIM</i>	1483375 (-)	1537986 (-)	733236 (-)	758893 (-)
<i>abs(ictime - trs)</i>	1483375 (-)	1537986 (-)	733236 (-)	758893 (-)
<i>RDUTM</i>	1482537 (0.999435)	1537121 (0.999438)	732958 (0.999621)	758607 (0.999623)
<i>TARGET</i>	1482537 (1)	1537121 (1)	732958 (1)	758607 (1)
Muon Recon Acc.	0.99943 ± 0.000821	0.99944 ± 0.000806	0.99962 ± 0.001167	0.99962 ± 0.001147

Table 4: Muon Beam Branch no. 1

Cuts	km2loose acc	km2newloose acc	km2tight acc	km2newtight acc
<i>BADRUN</i>	5189813 (-)	5358988 (-)	5189813 (-)	5358988 (-)
<i>RD_TRK</i>	5189736 (-)	5358910 (-)	5189736 (-)	5358910 (-)
<i>TRKTIM</i>	5187898 (-)	5357048 (-)	5187898 (-)	5357048 (-)
<i>RDUTM</i>	4964444 (-)	5126174 (-)	4964444 (-)	5126174 (-)
<i>TARGET</i>	4964444 (-)	5126174 (-)	4964444 (-)	5126174 (-)
<i>icbit</i>	4961592 (-)	5123258 (-)	4961592 (-)	5123258 (-)
<i>KMU2BOX</i>	4110918 (-)	4254248 (-)	4110918 (-)	4254248 (-)
<i>cos3d</i>	3970030 (-)	4105720 (-)	3970030 (-)	4105720 (-)
<i>utcqual Loose</i>	3701622 (-)	3823045 (-)	3701622 (-)	3823045 (-)
<i>TGCUT</i>	3623499 (0.978895)	3739543 (0.978158)	3623499 (0.978895)	3739543 (0.978158)
<i>tgqualt</i>	3497070 (0.965109)	3609268 (0.965163)	3497070 (0.965109)	3609268 (0.965163)
<i>npitg</i>	3497070 (1)	3609268 (1)	3497070 (1)	3609268 (1)
<i>timcon</i>	3491946 (0.998535)	3604003 (0.998541)	3491946 (0.998535)	3604003 (0.998541)
<i>tgtcon</i>	3454110 (0.989165)	3564990 (0.989175)	3454110 (0.989165)	3564990 (0.989175)
<i>b4etcon</i>	3419878 (0.990089)	3529692 (0.990099)	3419878 (0.990089)	3529692 (0.990099)
<i>DCBIT</i>	3012705 (0.880939)	3109174 (0.880863)	3012705 (0.880939)	3109174 (0.880863)
<i>DELCO</i>	2976694 (0.988047)	3071983 (0.988038)	2976694 (0.988047)	3071983 (0.988038)
<i>Delc Loose</i>	2581750 (0.867321)	2664389 (0.867319)	2122260 (0.712959)	2190178 (0.712953)
<i>PSCUT</i>	2448986 (0.948576)	2527342 (0.948563)	2009337 (0.946791)	2073593 (0.946769)
<i>b4dedx</i>	2435564 (0.994519)	2513492 (0.99452)	1998225 (0.99447)	2062135 (0.994474)
<i>bwtrs</i>	2235637 (0.917913)	2307067 (0.917873)	1832855 (0.917242)	1891380 (0.917195)
<i>cpitrs</i>	2231875 (0.998317)	2303180 (0.998315)	1829835 (0.998352)	1888260 (0.99835)
<i>cpitail</i>	2230844 (0.999538)	2302109 (0.999535)	1829001 (0.999544)	1887395 (0.999542)
<i>cktrs</i>	2216659 (0.993641)	2287435 (0.993626)	1820013 (0.995086)	1878068 (0.995058)
<i>cktail</i>	2180934 (0.983883)	2250546 (0.983873)	1809162 (0.994038)	1866885 (0.994045)
<i>b4trs</i>	2124974 (0.974341)	2192796 (0.97434)	1761223 (0.973502)	1817397 (0.973492)
<i>b4ccd</i>	2095946 (0.98634)	2163144 (0.986478)	1742254 (0.98923)	1798074 (0.989368)
<i>upvtrs</i>	2061527 (0.983578)	2127590 (0.983564)	1714684 (0.984176)	1769599 (0.984164)
<i>rvtrs</i>	2059558 (0.999045)	2125558 (0.999045)	1713140 (0.9991)	1768006 (0.9991)
<i>tggeo</i>	1976928 (0.95988)	2040219 (0.959851)	1643000 (0.959058)	1695600 (0.959047)
<i>b4ekz</i>	1802367 (0.911701)	1860090 (0.911711)	1495538 (0.910248)	1543474 (0.910282)
<i>tgzfool</i>	1780125 (0.98766)	1837124 (0.987653)	1477110 (0.987678)	1524431 (0.987662)
<i>targf</i>	1722793 (0.967793)	1778024 (0.96783)	1429371 (0.967681)	1475249 (0.967737)
<i>dtgttp</i>	1722787 (0.999997)	1778017 (0.999996)	1429365 (0.999996)	1475242 (0.999995)
<i>rtdif</i>	1706324 (0.990444)	1760983 (0.99042)	1415636 (0.990395)	1461030 (0.990366)
<i>tgktim</i>	1689493 (0.990136)	1743623 (0.990142)	1410486 (0.996362)	1455702 (0.996353)
<i>eiccon</i>	1644137 (0.973154)	1696861 (0.973181)	1372704 (0.973213)	1416735 (0.973231)
<i>ticcon</i>	1644133 (0.999998)	1696857 (0.999998)	1372701 (0.999998)	1416732 (0.999998)
<i>pigap</i>	1610337 (0.979444)	1662059 (0.979493)	1344511 (0.979464)	1387712 (0.979516)
<i>tgdb4</i>	1584185 (0.98376)	1617233 (0.97303)	1322347 (0.983515)	1349584 (0.972525)
<i>tgdb4tip</i>	1576204 (0.994962)	1608985 (0.9949)	1315471 (0.9948)	1342470 (0.994729)
<i>tgdvrtip</i>	1569993 (0.99606)	1604719 (0.997349)	1310171 (0.995971)	1338850 (0.997303)
<i>tgdvxpi</i>	1535360 (0.977941)	1569044 (0.977769)	1283230 (0.979437)	1311099 (0.979273)
TGB4	1535360 (1)	1569044 (1)	1283230 (1)	1311099 (1)
<i>phivtx1</i>	1489745 (0.97029)	1522063 (0.970058)	1240997 (0.967089)	1267518 (0.96676)
<i>ccd pul</i>	445487 (0.299036)	630826 (0.414455)	424234 (0.341849)	571821 (0.451134)

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Cuts	km2loose acc	km2newloose acc	km2tight acc	km2newtight acc
<i>timkf</i>	400376 (0.898738)	569412 (0.902645)	381031 (0.898162)	515770 (0.901978)
<i>verrng</i>	373562 (0.933028)	531061 (0.932648)	355478 (0.932937)	481061 (0.932705)
<i>angli</i>	373323 (0.99936)	530723 (0.999364)	355245 (0.999345)	480749 (0.999351)
<i>ALLK fit</i>	366294 (0.981172)	523457 (0.986309)	348342 (0.980568)	474120 (0.986211)
<i>tpics</i>	365775 (0.998583)	522753 (0.998655)	347831 (0.998533)	473438 (0.998562)
<i>kic</i>	365679 (0.999738)	522604 (0.999715)	347736 (0.999727)	473298 (0.999704)
<i>epionk</i>	365476 (0.999445)	522043 (0.998927)	347533 (0.999416)	472737 (0.998815)
Muon Beam Acc.	0.09873 ± 0.000051	0.13655 ± 0.000070	0.09389 ± 0.000049	0.12366 ± 0.000063

Table 5: Muon PV Branch no. 1

Cuts	km2loose acc	km2newloose acc	km2tight acc	km2newtight acc
<i>BADRUN</i>	5189813 (-)	5358988 (-)	5189813 (-)	5358988 (-)
<i>icbit</i>	5185746 (-)	5354824 (-)	5185746 (-)	5354824 (-)
<i>KMU2BOX</i>	4110927 (-)	4254255 (-)	4110927 (-)	4254255 (-)
<i>cos3d</i>	3970039 (-)	4105727 (-)	3970039 (-)	4105727 (-)
<i>utcqual Loose</i>	3701627 (-)	3823051 (-)	3701627 (-)	3823051 (-)
<i>RD_TRK</i>	3701627 (-)	3823051 (-)	3701627 (-)	3823051 (-)
<i>TRKTIM</i>	3701622 (-)	3823045 (-)	3701622 (-)	3823045 (-)
<i>RDUTM</i>	3701622 (-)	3823045 (-)	3701622 (-)	3823045 (-)
<i>TARGET</i>	3701622 (-)	3823045 (-)	3701622 (-)	3823045 (-)
<i>TGCUT</i>	3623499 (-)	3739543 (-)	3623499 (-)	3739543 (-)
<i>tgqualt</i>	3497070 (-)	3609268 (-)	3497070 (-)	3609268 (-)
<i>npitg</i>	3497070 (-)	3609268 (-)	3497070 (-)	3609268 (-)
<i>timcon</i>	3491946 (-)	3604003 (-)	3491946 (-)	3604003 (-)
<i>tgtcon</i>	3454110 (-)	3564990 (-)	3454110 (-)	3564990 (-)
<i>b4etcon</i>	3419878 (-)	3529692 (-)	3419878 (-)	3529692 (-)
<i>DCBIT</i>	3012705 (-)	3109174 (-)	3012705 (-)	3109174 (-)
<i>DELCO</i>	2976694 (-)	3071983 (-)	2976694 (-)	3071983 (-)
<i>Delc Loose</i>	2581750 (-)	2664389 (-)	2122260 (-)	2190178 (-)
<i>PSCUT</i>	2448986 (-)	2527342 (-)	2009337 (-)	2073593 (-)
<i>b4dedx</i>	2435564 (-)	2513492 (-)	1998225 (-)	2062135 (-)
<i>bwtrs</i>	2235637 (-)	2307067 (-)	1832855 (-)	1891380 (-)
<i>cpitrs</i>	2231875 (-)	2303180 (-)	1829835 (-)	1888260 (-)
<i>cpitail</i>	2230844 (-)	2302109 (-)	1829001 (-)	1887395 (-)
<i>cktrs</i>	2216659 (-)	2287435 (-)	1820013 (-)	1878068 (-)
<i>cktail</i>	2180934 (-)	2250546 (-)	1809162 (-)	1866885 (-)
<i>b4trs</i>	2124974 (-)	2192796 (-)	1761223 (-)	1817397 (-)
<i>b4ccd</i>	2095946 (-)	2163144 (-)	1742254 (-)	1798074 (-)
<i>upvtrs</i>	2061527 (-)	2127590 (-)	1714684 (-)	1769599 (-)
<i>rvtrs</i>	2059558 (-)	2125558 (-)	1713140 (-)	1768006 (-)
<i>tggeo</i>	1976928 (-)	2040219 (-)	1643000 (-)	1695600 (-)
<i>b4ekz</i>	1802367 (-)	1860090 (-)	1495538 (-)	1543474 (-)
<i>tgz fool</i>	1780125 (-)	1837124 (-)	1477110 (-)	1524431 (-)
<i>targf</i>	1722793 (-)	1778024 (-)	1429371 (-)	1475249 (-)
<i>dtgttp</i>	1722787 (-)	1778017 (-)	1429365 (-)	1475242 (-)
<i>rtdif</i>	1706324 (-)	1760983 (-)	1415636 (-)	1461030 (-)
<i>tgktim</i>	1689493 (-)	1743623 (-)	1410486 (-)	1455702 (-)
<i>eicon</i>	1644137 (-)	1696861 (-)	1372704 (-)	1416735 (-)
<i>ticcon</i>	1644133 (-)	1696857 (-)	1372701 (-)	1416732 (-)
<i>pi gap</i>	1610337 (-)	1662059 (-)	1344511 (-)	1387712 (-)
<i>tgdb4</i>	1584185 (-)	1617233 (-)	1322347 (-)	1349584 (-)
<i>tgdb4tip</i>	1576204 (-)	1608985 (-)	1315471 (-)	1342470 (-)
<i>tgdvxtip</i>	1569993 (-)	1604719 (-)	1310171 (-)	1338850 (-)
<i>tgdvxpi</i>	1535360 (-)	1569044 (-)	1283230 (-)	1311099 (-)
TGB4	1535360 (-)	1569044 (-)	1283230 (-)	1311099 (-)
<i>phivtx1</i>	1489745 (-)	1522063 (-)	1240997 (-)	1267518 (-)
<i>ccd pul</i>	445487 (-)	630826 (-)	424234 (-)	571821 (-)

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Cuts	km2loose acc	km2newloose acc	km2tight acc	km2newtight acc
<i>timkf</i>	400376 (-)	569412 (-)	381031 (-)	515770 (-)
<i>verrng</i>	373562 (-)	531061 (-)	355478 (-)	481061 (-)
<i>angli</i>	373323 (-)	530723 (-)	355245 (-)	480749 (-)
<i>ALLK fit</i>	366294 (-)	523457 (-)	348342 (-)	474120 (-)
<i>tpics</i>	365775 (-)	522753 (-)	347831 (-)	473438 (-)
<i>kic</i>	365679 (-)	522604 (-)	347736 (-)	473298 (-)
<i>epionk</i>	365476 (-)	522043 (-)	347533 (-)	472737 (-)
<i>lay < 19</i>	36725 (-)	53682 (-)	34625 (-)	47902 (-)
<i>lhex</i>	34290 (0.933696)	50193 (0.935006)	32329 (0.93369)	44775 (0.934721)
<i>HEXAfter</i>	33035 (0.9634)	48338 (0.963043)	31153 (0.963624)	43145 (0.963596)
<i>PVOnline</i>	31645 (0.957923)	46284 (0.957508)	29841 (0.957885)	41298 (0.957191)
<i>Lay20or21</i>	31404 (0.992384)	45933 (0.992416)	29614 (0.992393)	40985 (0.992421)
<i>STLAY</i>	31112 (0.990702)	45506 (0.990704)	29344 (0.990883)	40603 (0.99068)
<i>RSHEX</i>	30005 (0.964419)	43885 (0.964378)	28290 (0.964081)	39133 (0.963796)
<i>PVCUT</i>	28836 (0.96104)	42220 (0.96206)	27187 (0.961011)	37642 (0.961899)
<i>TGPVCUT</i>	28617 (0.992405)	41833 (0.990834)	26981 (0.992423)	37296 (0.990808)
<i>TGPVTR</i>	28617 (1)	41833 (1)	26981 (1)	37296 (1)
<i>tgpv Loose60</i>	27779 (0.970717)	40611 (0.970789)	24925 (0.923798)	34403 (0.922431)
<i>ICPV Loose60</i>	27757 (0.999208)	40568 (0.998941)	24908 (0.999318)	34382 (0.99939)
<i>VCPV Loose60</i>	27739 (0.999352)	40543 (0.999384)	24863 (0.998193)	34320 (0.998197)
<i>COPV Loose60</i>	27570 (0.993907)	40315 (0.994376)	24754 (0.995616)	34182 (0.995979)
<i>MCPV Loose60</i>	27567 (0.999891)	40311 (0.999901)	24746 (0.999677)	34173 (0.999737)
<i>ECPVinner Loose60</i>	23879 (0.866217)	34905 (0.865893)	19297 (0.779803)	26621 (0.779007)
<i>ECPVouter Loose60</i>	22196 (0.92952)	32525 (0.931815)	15732 (0.815256)	21724 (0.816047)
<i>ECPV2nd Loose60</i>	22030 (0.992521)	32293 (0.992867)	14577 (0.926583)	20115 (0.925934)
<i>RDPV Loose60</i>	20395 (0.925783)	29945 (0.927291)	10397 (0.713247)	14312 (0.711509)
<i>BVPV Loose60</i>	18952 (0.929247)	27795 (0.928202)	9514 (0.915072)	13121 (0.916783)
<i>BVLPV Loose60</i>	18664 (0.984804)	27353 (0.984098)	9405 (0.988543)	12969 (0.988416)
<i>ADPV Loose60</i>	17726 (0.949743)	26043 (0.952108)	8986 (0.955449)	12403 (0.956357)
<i>earlyBVPV Loose60</i>	17708 (0.998985)	26021 (0.999155)	8982 (0.999555)	12397 (0.999516)
<i>DSPV Loose60</i>	17706 (0.999887)	26017 (0.999846)	8980 (0.999777)	12395 (0.999839)
<i>PVpnn2 Loose60</i>	17706 (1)	26017 (1)	8980 (1)	12395 (1)
Muon PV Acc.	0.48212 ± 0.002516	0.48465 ± 0.002092	0.25935 ± 0.001394	0.25876 ± 0.001182

Table 6: Muon layer14 study Branch no. 1

Cuts	km2loose acc	km2newloose acc	km2tight acc	km2newtight acc
<i>BADRUN</i>	5189813 (-)	5358988 (-)	5189813 (-)	5358988 (-)
<i>Trigger</i>	5189813 (-)	5358988 (-)	5189813 (-)	5358988 (-)
<i>LAYER14</i>	5185883 (0.999243)	5354954 (0.999247)	5185883 (0.999243)	5354954 (0.999247)
Muon PV Acc.	0.99924 ± 0.000439	0.99925 ± 0.000432	0.99924 ± 0.000439	0.99925 ± 0.000432

Table 7: Muon UTCqual Study Branch no. 1

Cuts	km2loose acc	km2newloose acc	km2tight acc	km2newtight acc
<i>BADRUN</i>	5189813 (-)	5358988 (-)	5189813 (-)	5358988 (-)
<i>ictime - cktbm</i>	3324048 (-)	3457079 (-)	3324048 (-)	3457079 (-)
<i>icbit</i>	3322245 (-)	3455005 (-)	3322245 (-)	3455005 (-)
<i>b4dedx</i>	3222580 (-)	3342586 (-)	3222580 (-)	3342586 (-)
<i>cpitrs</i>	3179262 (-)	3296001 (-)	3179262 (-)	3296001 (-)
<i>cpitail</i>	3176138 (-)	3292765 (-)	3176138 (-)	3292765 (-)
<i>cktrs</i>	3014946 (-)	3111758 (-)	3014946 (-)	3111758 (-)
<i>ctail</i>	2937942 (-)	3029704 (-)	2937942 (-)	3029704 (-)
<i>bwtrs</i>	2747076 (-)	2831668 (-)	2747076 (-)	2831668 (-)
<i>PVnoBV Loose60</i>	1483490 (-)	1538173 (-)	733287 (-)	758970 (-)
<i>RD_TRK</i>	1483490 (-)	1538173 (-)	733287 (-)	758970 (-)
<i>TRKTIM</i>	1483375 (-)	1537986 (-)	733236 (-)	758893 (-)
<i>abs(ictime - trs)</i>	1483375 (-)	1537986 (-)	733236 (-)	758893 (-)
<i>RDUTM</i>	1482537 (0.999435)	1537121 (0.999438)	732958 (0.999621)	758607 (0.999623)
<i>UTC</i>	1482537 (1)	1537121 (1)	732958 (1)	758607 (1)
<i>utcqual Loose</i>	1366559 (0.921771)	1410165 (0.917407)	682236 (0.930798)	703491 (0.927346)
<i>TARGET</i>	1366559 (1)	1410165 (1)	682236 (1)	703491 (1)
Muon PV Acc.	0.92125 ± 0.000756	0.91689 ± 0.000739	0.93044 ± 0.001087	0.92700 ± 0.001064

Table 8: Muon epitg study Branch no. 1

Cuts	km2loose acc	km2newloose acc	km2tight acc	km2newtight acc
<i>BADRUN</i>	5189813 (-)	5358988 (-)	5189813 (-)	5358988 (-)
<i>RD_TRK</i>	5189736 (-)	5358910 (-)	5189736 (-)	5358910 (-)
<i>TRKTIM</i>	5187898 (-)	5357048 (-)	5187898 (-)	5357048 (-)
<i>RDUTM</i>	4964444 (-)	5126174 (-)	4964444 (-)	5126174 (-)
<i>TARGET</i>	4964444 (-)	5126174 (-)	4964444 (-)	5126174 (-)
<i>icbit</i>	4961592 (-)	5123258 (-)	4961592 (-)	5123258 (-)
<i>KMU2BOX</i>	4110918 (-)	4254248 (-)	4110918 (-)	4254248 (-)
<i>cos3d</i>	3970030 (-)	4105720 (-)	3970030 (-)	4105720 (-)
<i>utcqual Loose</i>	3701622 (-)	3823045 (-)	3701622 (-)	3823045 (-)
<i>TGCUT</i>	3623499 (0.978895)	3739543 (0.978158)	3623499 (0.978895)	3739543 (0.978158)
<i>tgqualt</i>	3497070 (0.965109)	3609268 (0.965163)	3497070 (0.965109)	3609268 (0.965163)
<i>npitg</i>	3497070 (1)	3609268 (1)	3497070 (1)	3609268 (1)
<i>timcon</i>	3491946 (0.998535)	3604003 (0.998541)	3491946 (0.998535)	3604003 (0.998541)
<i>tgtcon</i>	3454110 (0.989165)	3564990 (0.989175)	3454110 (0.989165)	3564990 (0.989175)
<i>b4etcon</i>	3419878 (0.990089)	3529692 (0.990099)	3419878 (0.990089)	3529692 (0.990099)
<i>DCBIT</i>	3012705 (0.880939)	3109174 (0.880863)	3012705 (0.880939)	3109174 (0.880863)
<i>DELCO</i>	2976694 (0.988047)	3071983 (0.988038)	2976694 (0.988047)	3071983 (0.988038)
<i>Delc Loose</i>	2581750 (0.867321)	2664389 (0.867319)	2122260 (0.712959)	2190178 (0.712953)
<i>PSCUT</i>	2448986 (0.948576)	2527342 (0.948563)	2009337 (0.946791)	2073593 (0.946769)
<i>b4dedx</i>	2435564 (0.994519)	2513492 (0.99452)	1998225 (0.99447)	2062135 (0.994474)
<i>bwtrs</i>	2235637 (0.917913)	2307067 (0.917873)	1832855 (0.917242)	1891380 (0.917195)
<i>cpitrs</i>	2231875 (0.998317)	2303180 (0.998315)	1829835 (0.998352)	1888260 (0.99835)
<i>cpitail</i>	2230844 (0.999538)	2302109 (0.999535)	1829001 (0.999544)	1887395 (0.999542)
<i>cktrs</i>	2216659 (0.993641)	2287435 (0.993626)	1820013 (0.995086)	1878068 (0.995058)
<i>cktail</i>	2180934 (0.983883)	2250546 (0.983873)	1809162 (0.994038)	1866885 (0.994045)
<i>b4trs</i>	2124974 (0.974341)	2192796 (0.97434)	1761223 (0.973502)	1817397 (0.973492)
<i>b4ccd</i>	2095946 (0.98634)	2163144 (0.986478)	1742254 (0.98923)	1798074 (0.989368)
<i>upvtrs</i>	2061527 (0.983578)	2127590 (0.983564)	1714684 (0.984176)	1769599 (0.984164)
<i>rvtrs</i>	2059558 (0.999045)	2125558 (0.999045)	1713140 (0.9991)	1768006 (0.9991)
<i>tggeo</i>	1976928 (0.95988)	2040219 (0.959851)	1643000 (0.959058)	1695600 (0.959047)
<i>b4ekz</i>	1802367 (0.911701)	1860090 (0.911711)	1495538 (0.910248)	1543474 (0.910282)
<i>tgzfool</i>	1780125 (0.98766)	1837124 (0.987653)	1477110 (0.987678)	1524431 (0.987662)
<i>epitg</i>	1630641 (0.916026)	1682638 (0.915909)	1353273 (0.916163)	1396457 (0.916051)
<i>epimaxk</i>	1630641 (1)	1682638 (1)	1353273 (1)	1396457 (1)
TGDEDX	1626327 (0.997354)	1678186 (0.997354)	1349713 (0.997369)	1392782 (0.997368)
<i>tger</i>	1624068 (0.998611)	1675867 (0.998618)	1347756 (0.99855)	1390774 (0.998558)
<i>tgenr</i>	1594604 (0.981858)	1645486 (0.981871)	1322344 (0.981145)	1364570 (0.981159)
<i>tglike1</i>	1570648 (0.984977)	1620717 (0.984947)	1301585 (0.984301)	1343090 (0.984259)
<i>tglike2</i>	1555419 (0.990304)	1605003 (0.990304)	1289050 (0.990369)	1330154 (0.990368)
TGLIKE	1555419 (1)	1605003 (1)	1289050 (1)	1330154 (1)
<i>tgedge</i>	1547702 (0.995039)	1597048 (0.995044)	1283992 (0.996076)	1324944 (0.996083)
<i>drp</i>	1544908 (0.998195)	1594184 (0.998207)	1281562 (0.998107)	1322454 (0.998121)
<i>chi567 Loose</i>	1228866 (0.79543)	1270789 (0.797141)	1018135 (0.794448)	1053341 (0.796505)
<i>chi5max</i>	1117217 (0.909145)	1157005 (0.910462)	925220 (0.90874)	958954 (0.910393)
<i>targf</i>	1091918 (0.977355)	1130937 (0.977469)	904416 (0.977515)	937505 (0.977633)
<i>dtgttp</i>	1091918 (1)	1130937 (1)	904416 (1)	937505 (1)

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Cuts	km2loose acc	km2newloose acc	km2tight acc	km2newtight acc
<i>rtdif</i>	1082078 (0.990988)	1120638 (0.990893)	896233 (0.990952)	928914 (0.990836)
<i>tgktim</i>	1071641 (0.990355)	1109868 (0.990389)	893207 (0.996624)	925782 (0.996628)
<i>iccon</i>	1042781 (0.973069)	1079994 (0.973083)	869203 (0.973126)	900911 (0.973135)
<i>ticcon</i>	1042778 (0.999997)	1079991 (0.999997)	869201 (0.999998)	900909 (0.999998)
<i>pigap</i>	1023331 (0.981351)	1059909 (0.981405)	853035 (0.981401)	884208 (0.981462)
<i>tgdb4</i>	1007055 (0.984095)	1032006 (0.973674)	839280 (0.983875)	860483 (0.973168)
<i>tgdb4tip</i>	1002302 (0.99528)	1027108 (0.995254)	835162 (0.995093)	856232 (0.99506)
<i>tgdvrtip</i>	998855 (0.996561)	1024731 (0.997686)	832216 (0.996473)	854214 (0.997643)
<i>tgdvxpi</i>	979494 (0.980617)	1004834 (0.980583)	817200 (0.981957)	838762 (0.981911)
TGB4	979494 (1)	1004834 (1)	817200 (1)	838762 (1)
<i>phivtx1</i>	956810 (0.976841)	980291 (0.975575)	796091 (0.974169)	815785 (0.972606)
<i>ccd pul</i>	297432 (0.310858)	417836 (0.426237)	283387 (0.355973)	379141 (0.464756)
<i>timkf</i>	267757 (0.900229)	377648 (0.903819)	254943 (0.899628)	342475 (0.903292)
<i>verrng</i>	252193 (0.941873)	355665 (0.94179)	240080 (0.941701)	322503 (0.941683)
<i>angli</i>	252072 (0.99952)	355488 (0.999502)	239963 (0.999513)	322340 (0.999495)
<i>ALLK fit</i>	247360 (0.981307)	350734 (0.986627)	235328 (0.980685)	318002 (0.986542)
<i>tpics</i>	247263 (0.999608)	350614 (0.999658)	235232 (0.999592)	317886 (0.999635)
<i>kic</i>	247205 (0.999765)	350527 (0.999752)	235174 (0.999753)	317802 (0.999736)
<i>epionk</i>	247073 (0.999466)	350172 (0.998987)	235042 (0.999439)	317447 (0.998883)
Muon PV Acc.	0.06675 ± 0.000035	0.09160 ± 0.000047	0.06350 ± 0.000033	0.08304 ± 0.000042