TABLES

PACKAGE	STD	STD+DS	STD+V 0	STD+DS+V0
CPU	322	479	398	556
Δ CPU	-	48.8(%)	23.6(%)	72.7(%)

TABLE I. CPU/Event [msec] from 1M on Linux Farm

VSTREAM	PACKAGE	STD	STD+DS	STD+V0	STD+DS+V0
VTUPLE1	MESON	11.09	10.86	11.20	10.96
VTUPLE2	BARYON	16.37	15.99	16.95	16.54
VTUPLE3	VZERO	0.44	0.40	11.55	11.26
VTUPLE4	STRANGE	4.98	4.93	4.98	4.93
VTUPLE5	DOWNSTR	0.00	40.22	0.00	40.22
	TOTAL	32.88	72.40	44.68	83.91
	Δ TOTAL	-	120.2(%)	35.9(%)	155.2(%)

TABLE II. Vtuple Stream Rates (%)

OUTSTREAM	PACKAGE	STD	STD+DS	STD+V0	STD+DS+V0
CHARM	OUT1	23.1	38.7	29.0	52.1
NO-CHARM	OUT2	76.9	61.3	71.0	47.9

TABLE III. Output Stream Rates(%)

RECON	STD	STD+DS	STD+V0	STD+DS+V0	Δ(%)
001	24791	24865	24791	24865	+0.30
002	5174	5091	5174	5091	-1.60
011	27085	27063	27085	27063	-0.08
012	5072	4951	5072	4951	-2.39
100	2556	2468	2556	2468	-3.44
101	3996	3893	3996	3893	-2.58
102	7876	7696	7876	7696	-2.29
103	10275	10033	10275	10033	-2.36
130	4228	4109	4228	4109	-2.81
131	5873	5702	5873	5702	-2.91
132	9670	9258	9670	9258	-4.26
133	12404	12041	12404	12041	-2.93
200	2435	2376	2435	2376	-2.42
201	4249	4111	4249	4111	-3.25
230	4526	4392	4526	4392	-2.96
231	7575	7274	7575	7274	-3.97
300	5171	4919	5171	4919	-4.87
301	6678	6301	6678	6301	-5.65
330	5837	5566	5837	5566	-4.64
331	7562	7096	7562	7096	-6.16
400	7026	6716	7026	6716	-4.41
401	5610	5284	5610	5284	-5.81
430	7673	7305	7673	7305	-4.80
431	5977	5628	5977	5628	-5.84

TABLE IV. Reconstructed Events and % Changes by Downstream

id	name	from	pid	frac new	frac old	ls_min	Change
106	d0_2pik0	xtt	006i-i+	5.37	0.01	0.	ztt ls 2.
133	d0b_k3pi_1	x1	k+i+i-i-	1.20	0.47	3.	ls 4.
205	d*-_k3pi	tr	i-d0b_k3pi	1.02	0.23	0.	ls 4.
245	d*-_k3pi_x1	xt	133i-	1.26	0.34	3.	ls 4.
304	ds+_tau	v2	i-i+i+	1.96	0.33	15.	ls 20.
305	ds-_tau	v2	i-i-i+	2.23	0.38	15.	ls 20.
312	ds+_k2pi	v2	k+i-i+	1.20	0.42	3.	ls 4.
350	ds+_kk1pi	v2	k-k3+i+	1.70	0.73	2.	ls 4.
350	ds+_kk1pi	v2	k4-k+i+	1.82	0.73	2.	ls 4.
351	ds-_kk1pi	v2	k-k3+i-	2.04	0.85	2.	ls 4.
351	ds-_kk1pi	v2	k4-k+i-	2.15	0.82	2.	ls 4.
51	2i_1	x1	i+i+	4.63	x.xx	6.	-
52	i-2i	v2	i-i+i+	4.72	0.90	6.	-
61	ki	v2	k-i+	1.60	0.73	5.	ls 6.
64	k+2i	v2	k+i-i-	1.28	0.30	5.	ls 6.
90	i-2i_1	x1	i-i+i+	3.47	1.59	6.	-
406	lc+_p2pi	v2	p+i-i+	1.27	0.46	3.	ls 4.
620	xc0_xi3pi	c	x-i-i+i+	12.44	0.20	0.	ls 3.
622	xc0_s+k2pi	c	s+k-i+i-	1.54	0.04	0.	ls 3.
702	oc0_pkkpi	c	p+k-k-i+	1.09	x.xx	-.5	-
726	oc0_o3pi	c	o-i-i+i+	2.61	1.32	0.	ls 3.
756	oc0_o3pi	x1	o-i-i+i+	1.24	0.72	0.	ls 3.

TABLE V. Meson and Baryon Modes with Fractional Strip Ratio > 1.0 (%)

id	name	from	pid	frac new	frac old	ls_min	ls_min
1	kshort	v2	i-i+	2.49	1.26	5.	5.
11	kshort_1	x1	i-i+	2.71	1.86	5.	5.

TABLE VI. Strange Modes with Fractional Strip Ratio > 1.0 (%)

id	name	from	pid	frac new	frac old	ls_min	Change
822	lc+_s-2pi	sv	i+i+s-	1.15	0.13	3.5	-
823	lc+_s+2pi	sv	i+i-s+	4.51	0.52	3.5	ls 4.5
826	xc0_x-3pi	sv	i+i+i-x-	1.50	1.85	3.5	-
829	oc0_o-3pi	sv	i+i+i-o-	5.15	1.27	3.5	ls 4.5
830	lc-_s-2pi	sv	i-i-s-	1.52	0.13	3.5	-
831	lc-_s+2pi	sv	i-i+s+	4.40	0.52	3.5	ls 4.5
832	xc-_s+kpi	sv	k+i-s+	1.18	0.23	3.5	-
834	axc_x-3pi	sv	i-i-i+x-	1.58	2.01	3.5	-
837	aoc_o-3pi	sv	i-i-i+o-	6.05	1.37	3.5	ls 4.5
838	xc0_s+k2pi	sv	i+i-k-s+	1.19	x.xx	3.5	-
842	ksi	v0	ksi	1.01	0.45	3.5	-
850	oc0_ome	sv	i1+o-	1.84	0.01	3.5	-
851	aoc_ome	sv	i1-o-	2.25	0.00	3.5	ls 4.5
859	lc+_la2pi	tv20	i+lampc051	1.92	x.xx	3.5	-
861	L1520_l2pi	sv	i+i-lam1	1.49	4.06	-3.5	-
874	xc-_x+2pi	sv	i+i-x-	1.75	x.xx	3.5	-
880	xc0_s+k2i	sv	k-i+i-s+	1.19	x.xx	3.5	-

TABLE VII. Vzero Modes with Fractional Strip Ratio > 1.0 (%)

id	name	from	pid	frac new	frac old	ls_min	Change
21	l2	vk1	p+i-	18.65	2.21	1.09	-
22	al2	vk1	p-i+	3.62	1.14	1.09	-
23	snpi	vk1	s-i-	19.24	1.55	1.17	-
24	asnpi	vk1	S+i+	7.42	0.73	1.17	-
25	sppi0	vk1	s+p+	6.75	2.40	1.17	-
26	asppi0	vk1	S-p-	4.07	2.52	1.17	-
27	xlpi	vk1	xi-i-	25.37	2.35	1.30	-
29	olamk	vk1	o-k-	9.13	1.93	1.64	-
31	ox0pi	vk1	o-i+	13.39	2.84	1.64	-
33	oxpi-	vk1	o-xi-	6.49	4.35	1.64	-
962	lc+_vks-2pi	dtt	023i+i+	2.81	x.xx	0.	-
963	lc+_vks+2pi	dtt	024i+i-	3.65	x.xx	0.	-
966	lc+_vks-kpi	dtt	023k+i+	1.13	x.xx	0.	-
975	xc0_vkxi3pi	dt3	027i-i+i+	1.31	x.xx	0.	-

TABLE VIII. Downstream Modes with Fractional Strip Ratio > 1.0 (%)

List of Items Ready to be Updated

- V0 Kinks Background Reduction ($\sim 1/10$)
- DS Kinks Background Reduction ($\sim 1/2$)
- Photon with M3 Table
- Update Recdf and Related Minor Modifications