Appendix B: Efficiencies of Cuts, Ψ'

1.	2 on-time clusters.
2.	Invariant mass greater than 3.4 GeV.
3.	Acoplanarity between -25 milliradians and +25 milliradians.
4.	Akinematics between -25 milliradians and +25 milliradians.
5.	6.72 GeV < ETOT < 7.62 GeV.

Cuts Applied	877-882	1006-1018	1276-1281	2003-2018	2218-2253	3210-3233
1	0.40430	0.49751	0.55157	0.62233	0.56108	0.54083
2	0.52141	0.43764	0.57401	0.68318	0.57791	0.58515
3	0.28240	0.26882	0.29246	0.34656	0.26689	0.23388
4	0.25972	0.26110	0.32050	0.38220	0.29281	0.27154
5	0.39579	0.34843	0.45075	0.56771	0.45533	0.42951
Electrons in sample	207	200	508	524	790	457

Table B.1: Efficiency of one cut on the Ψ' n-tuple.

Cuts Applied	877-882	1006-1018	1276-1281	2003-2018	2218-2253	3210-3233
1,2	0.73404	0.72464	0.84950	0.88964	0.83953	0.85261
1,3	0.70408	0.70175	0.78760	0.79394	0.77224	0.76040
1,4	0.66559	0.68259	0.79874	0.87333	0.78529	0.79756
1,5	0.76667	0.82305	0.84950	0.89116	0.84764	0.86226
2,3	0.72887	0.63091	0.72884	0.80000	0.71107	0.71184
2,4	0.67647	0.61162	0.71248	0.80122	0.70662	0.72196
2,5	0.63692	0.56180	0.66146	0.73492	0.63864	0.65850
3,4	0.57660	0.55556	0.62331	0.72077	0.59939	0.57629
3,5	0.78113	0.68027	0.72884	0.79756	0.69177	0.68209
4,5	0.76384	0.71685	0.75595	0.82390	0.72477	0.73237
Electrons in sample	207	200	508	524	790	457

Table B.2: Efficiency of two cuts on the Ψ' n-tuple.

Cuts Applied	877-882	1006-1018	1276-1281	2003-2018	2218-2253	3210-3233
1,2,3	0.84490	0.80000	0.90553	0.92091	0.90286	0.90316
1,2,4	0.77528	0.76046	0.88656	0.93571	0.90183	0.91400
1,2,5	0.83806	0.87719	0.90533	0.91769	0.87583	0.89432
1,3,4	0.81818	0.80321	0.90231	0.93238	0.88367	0.89084
1,3,5	0.94521	0.93897	0.95131	0.93739	0.92832	0.93648
1,4,5	0.86250	0.90909	0.93554	0.96324	0.92832	0.95010
2,3,4	0.79615	0.70671	0.78760	0.87043	0.78607	0.78929
2,3,5	0.84836	0.77220	0.79624	0.83439	0.75598	0.76167
2,4,5	0.78707	0.73529	0.77439	0.83840	0.74248	0.76040
3,4,5	0.92411	0.83682	0.84106	0.90034	0.81026	0.81462
Electrons in sample	207	200	508	524	790	457

Table B.3: Efficiency of three cuts on the Ψ' n-tuple.

Cuts Applied	877-882	1006-1018	1276-1281	2003-2018	2218-2253	3210-3233
1,2,3,4	0.87712	0.83682	0.94074	0.96679	0.95990	0.96211
1,2,3,5	0.95833	0.95694	0.96395	0.95100	0.94048	0.94421
1,2,4,5	0.87712	0.91743	0.94249	0.96679	0.93713	0.95010
1,3,4,5	1.00000	0.99010	0.99219	0.99620	0.98897	1.00000
2,3,4,5	0.92411	0.85106	0.84950	0.90345	0.82206	0.82491
Electrons in sample	207	200	508	524	790	457

Table B.4: Efficiency of four cuts on the Ψ' n-tuple.