

Trigger Efficiency Test:

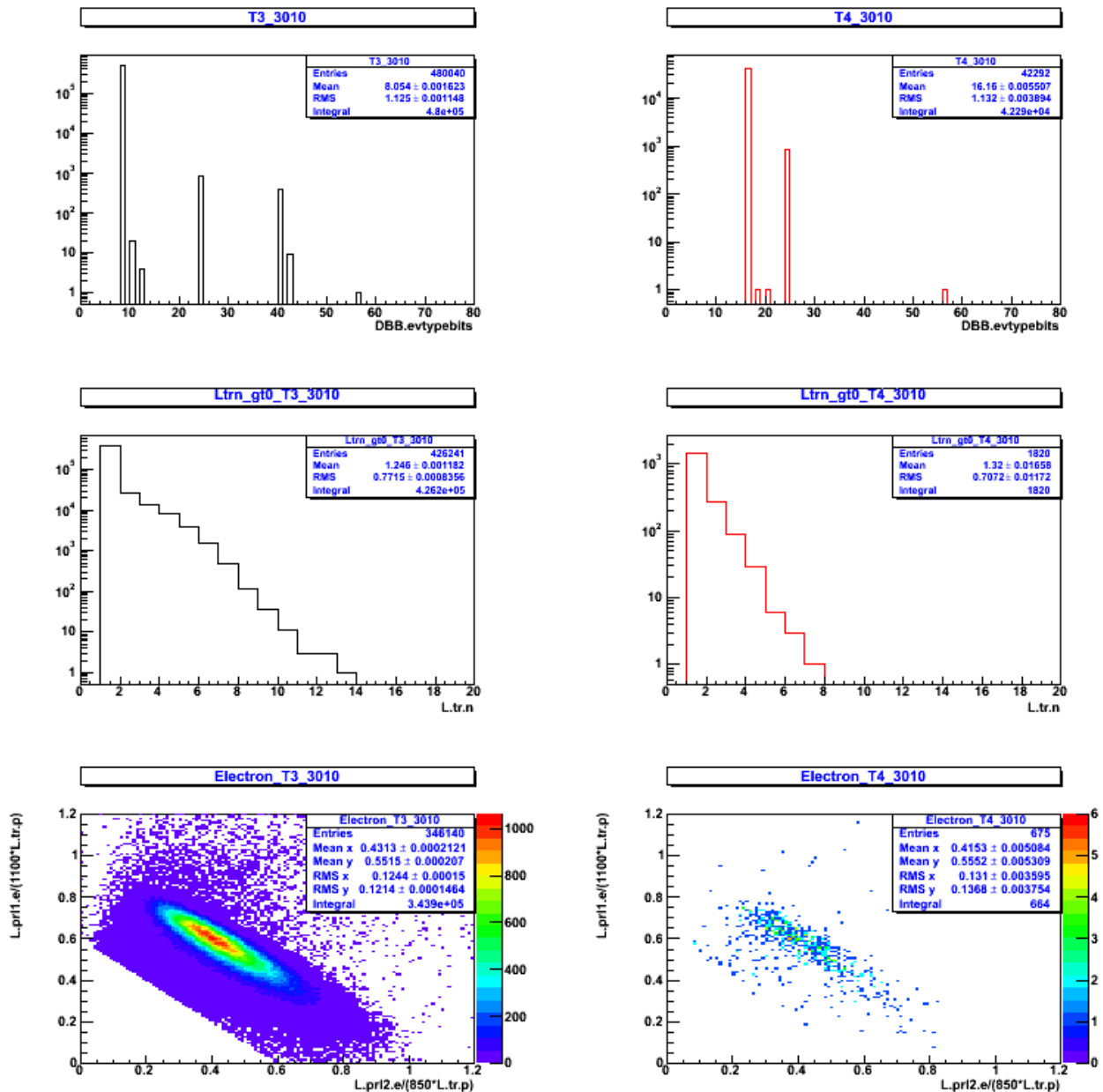
Simple Test for the trigger efficiency.

Note:

T3 trigger: S1 and S2

T4 trigger: Cherenkov with either (S1 or S2)

During production the pre-scale factors for T3 and T4 are 1. So, the pre-scale factor would not effect the efficiency calculation.



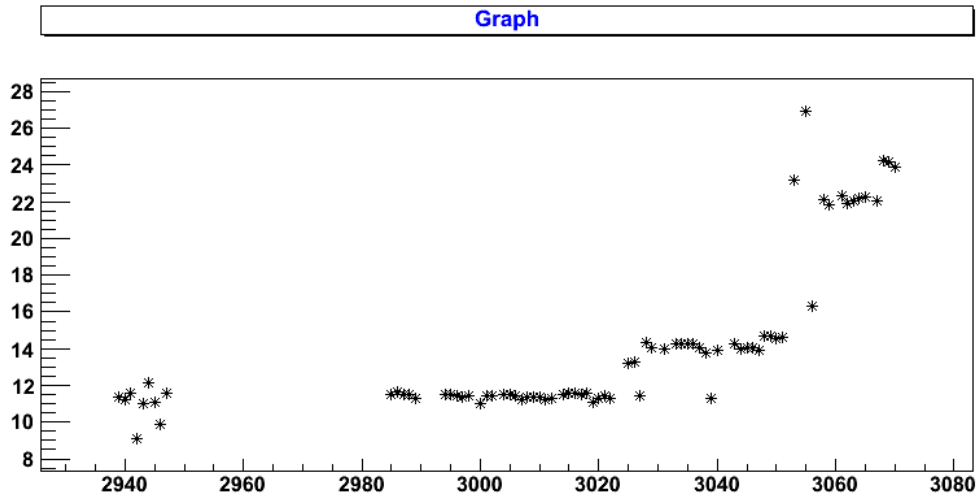
Top row: NO edtm

Middle row: No edtm & Has track (n>0)

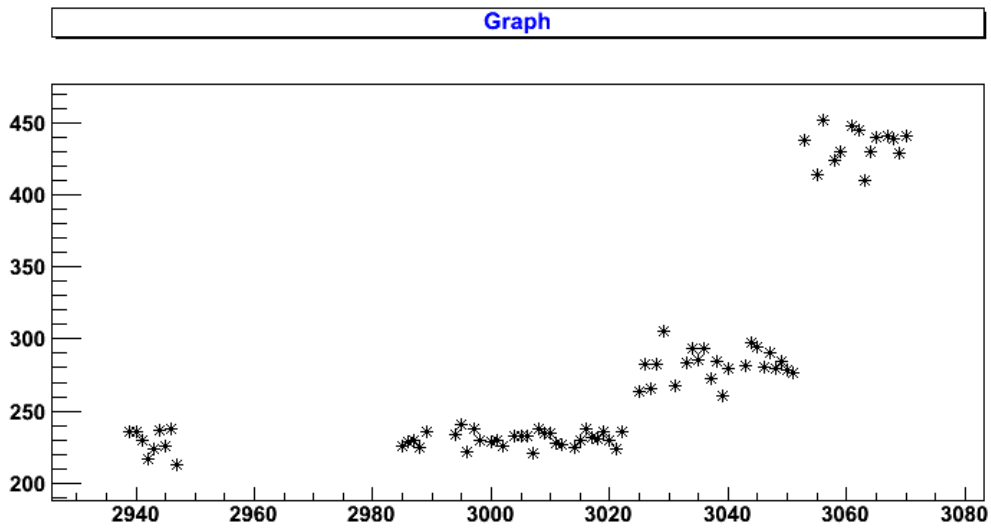
Bottom row: No edtm & Has track (n>0) & pass Electron selection

Right Column: T3 event

Left Column: T4 event

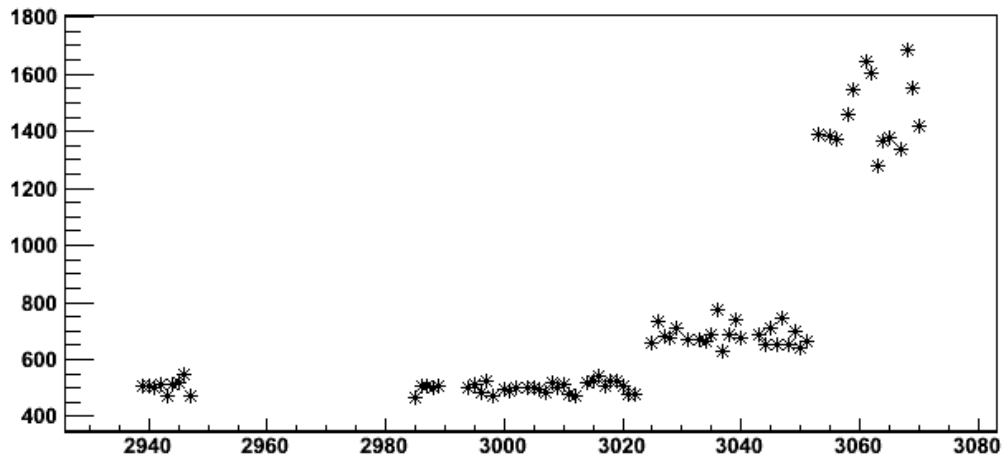


ratio of T3 to T4: No edtm (by runnumber)



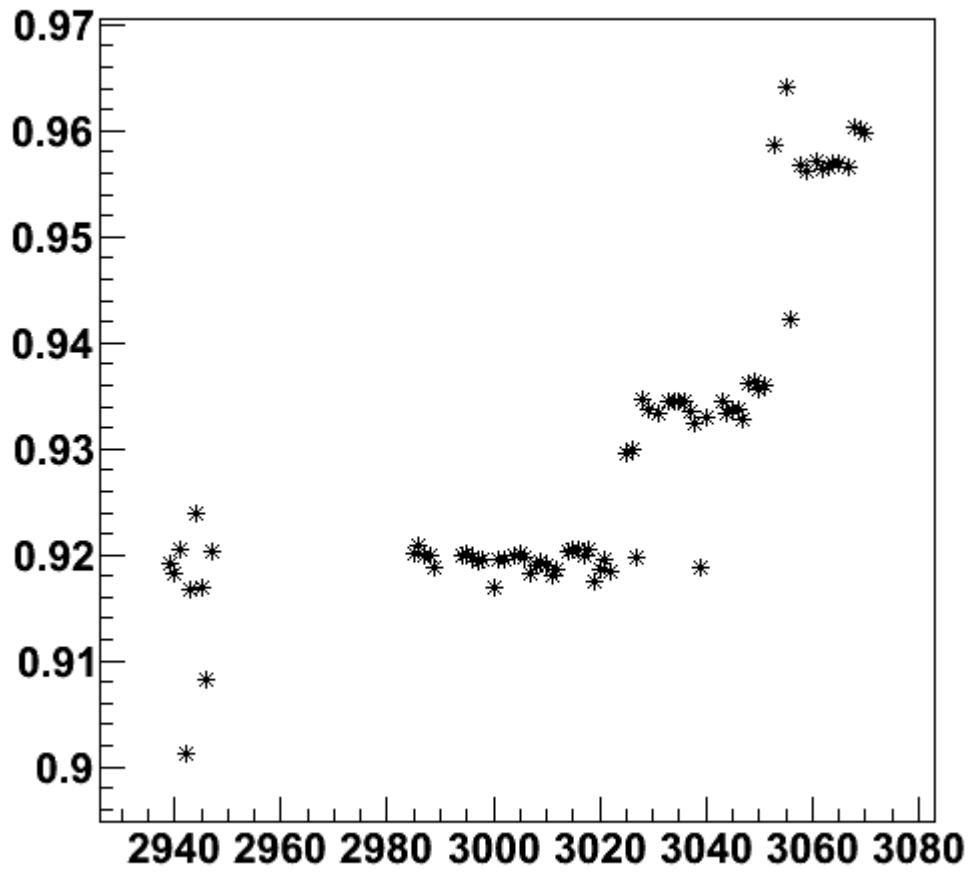
ratio of T3 to T4 : NO edtm && has track (by runnumber)

Graph



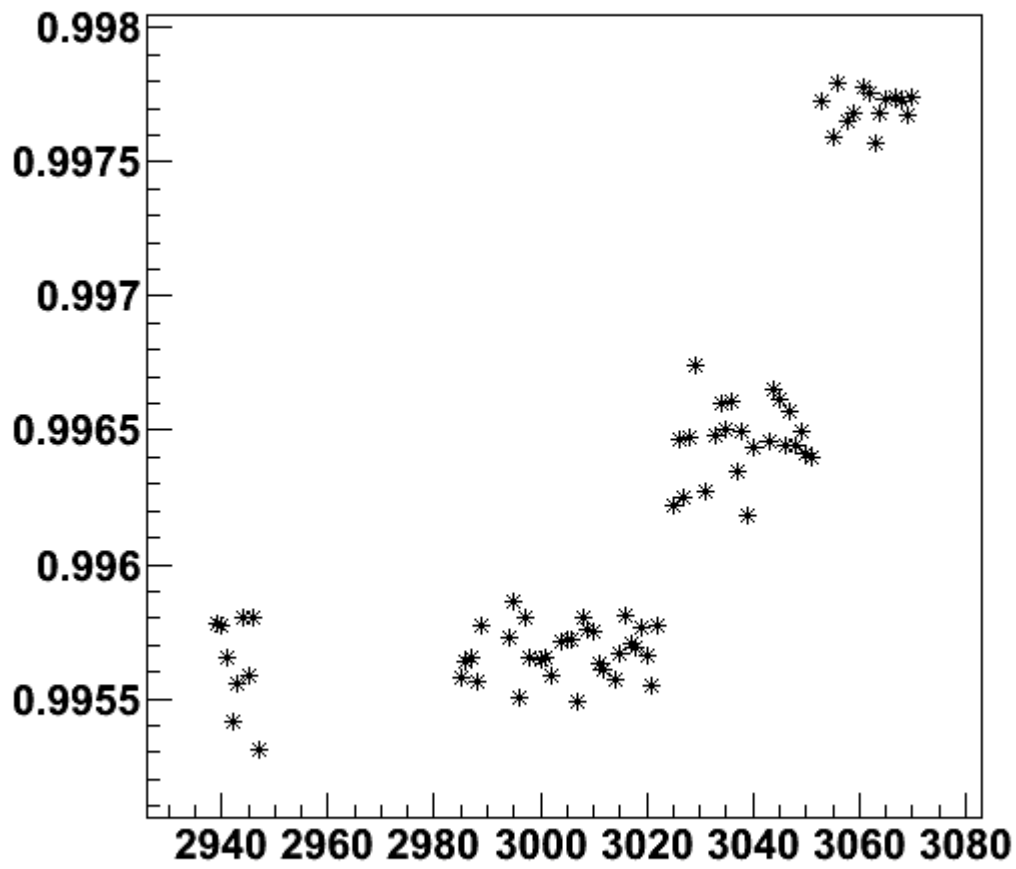
ratio of T3 to T4 : NO edtm && has track && pass Electron selection (by runnumber)

Graph



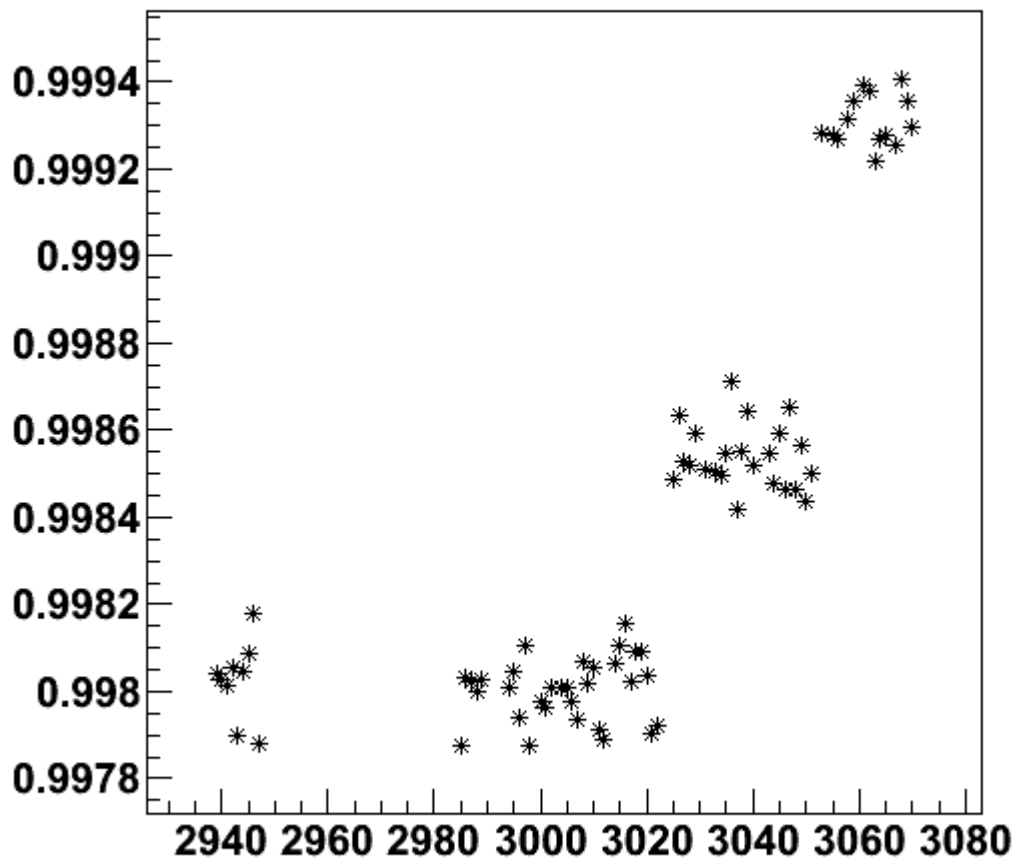
Efficiency of T3 = $T3/(T3+T4)$:No edtm

Graph



Efficiency of T3 = $T3/(T3+T4)$:No edtm && has track

Graph



Efficiency of T3 = $T3/(T3+T4)$:No edm& has track & Electron

2947	190994	16535	170117	802	138368	294
2985	494096	42853	440004	1954	358119	763
2986	494468	42520	440871	1933	359218	709
2987	493713	43018	439837	1920	357059	708
2988	493696	42977	439601	1959	357001	716
2989	492614	43496	438114	1861	355851	704