

# Standard CDF method of cleaning calorimetry

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# Picking good tracks

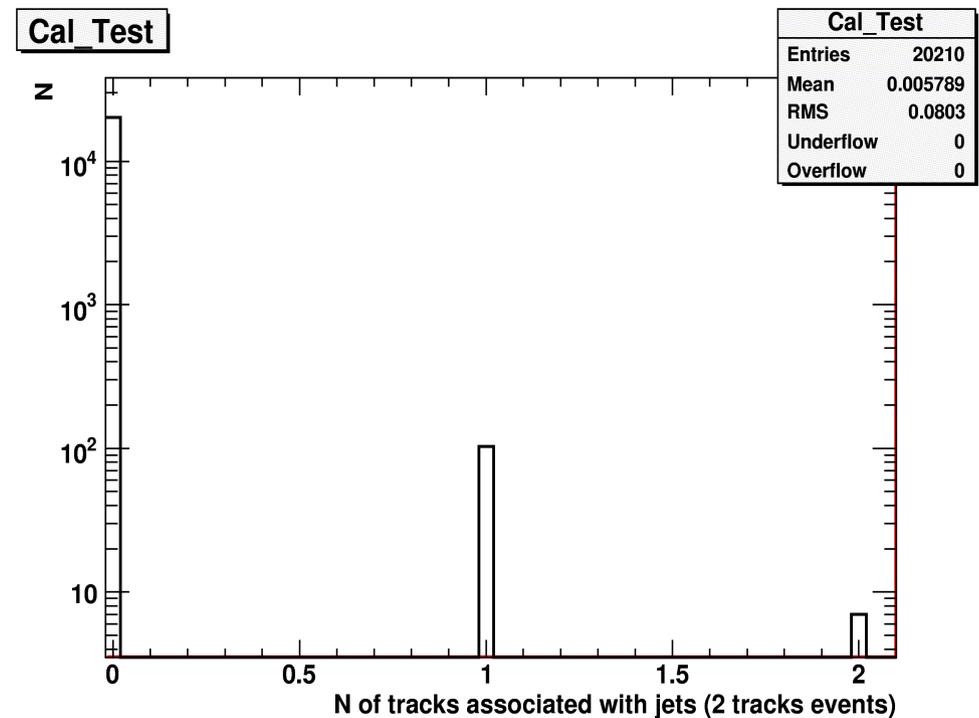
- $P_t > 0.3 \text{ GeV}/c$
- $P_t < 980 \text{ GeV}/c$
- At least 2 segments in COT St with 5 hits
- At least 2 segments in COT Ax with 5 hits
- $\chi^2$  of COT fit max of 3
- Z0 track – Z vertex  $< 3$  (not used)

Tracks curvature included using  
Stntuple/photon/TExtrap.hh routines

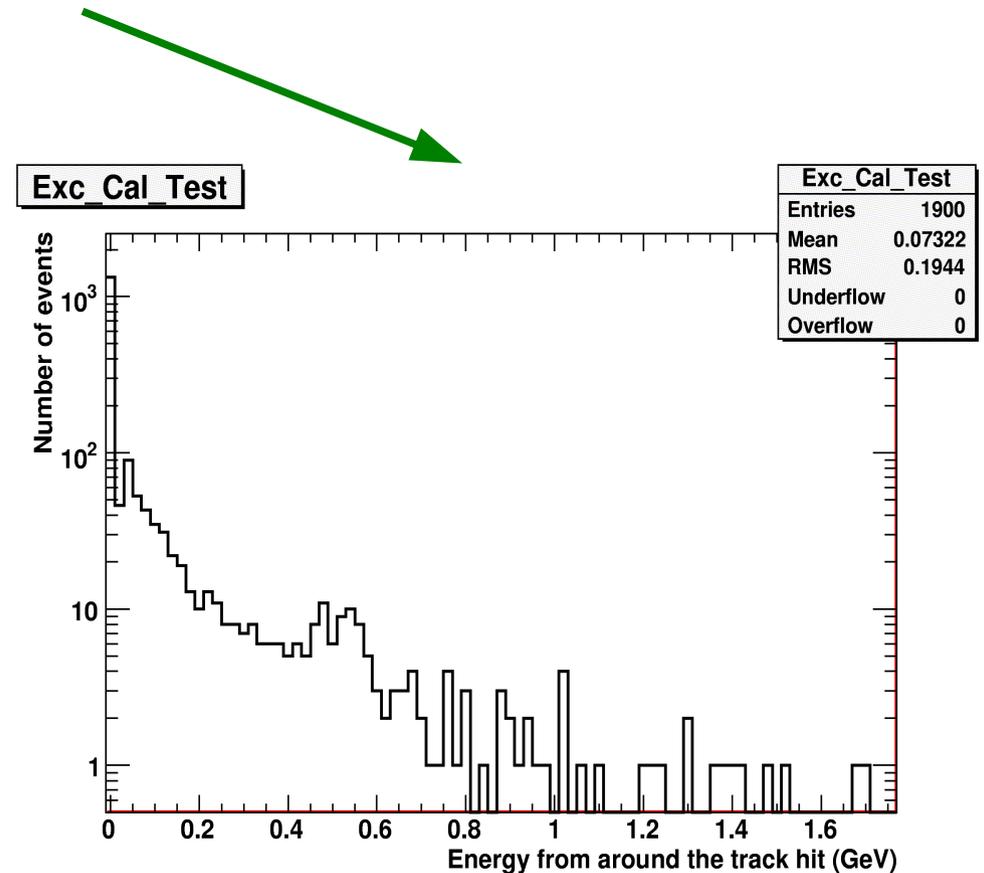
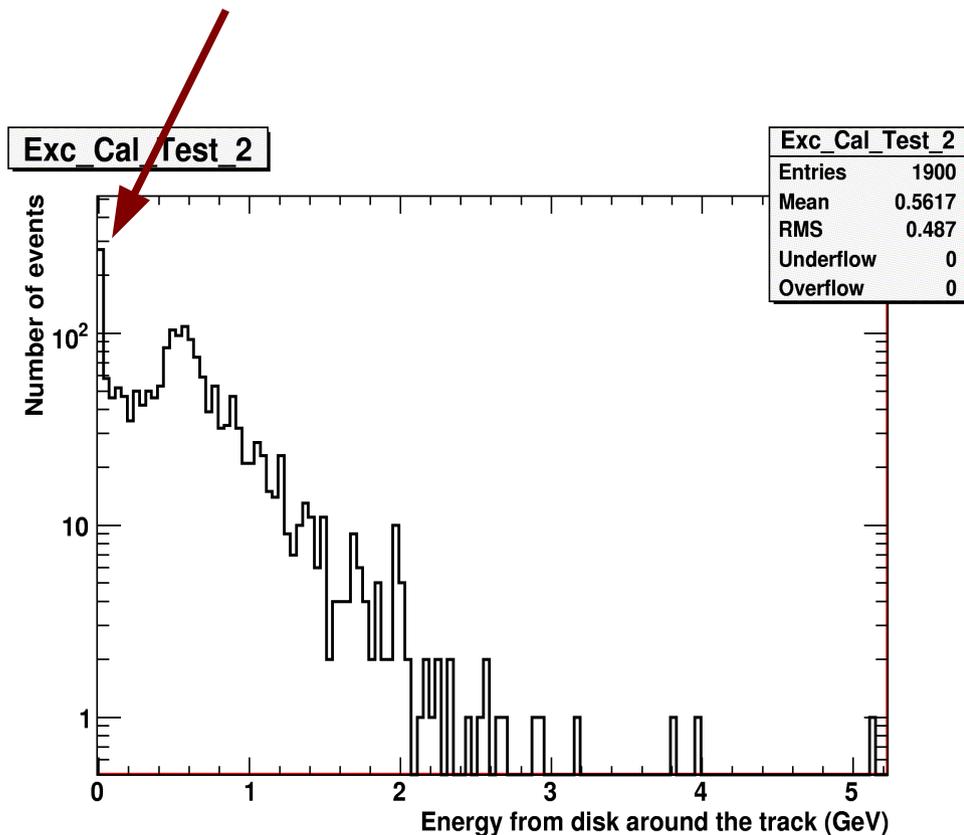
- GetPhiTower(), GetEtaTower()  
(lphi, leta of hit towers)
- DetEtaAtShowerMax(), PhiAtR(184.15)  
(phi, eta of a track)

Getting energy from area of radius 0.4 between  
(track phi, eta at detector) and (position of  
calorimeter towers) ( $dr = 0.4$ )

In Sasha's analysis  
he was using towers  
associated with jets



(Sasha's) Picking up all it towers with  $dr \leq 0.4$  (except the one associated with track).



All towers (with hit tower)