

L2 Tracking on run 140541

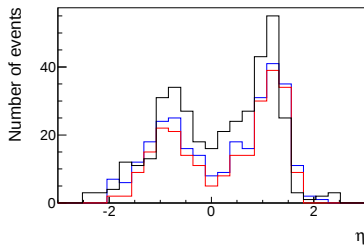
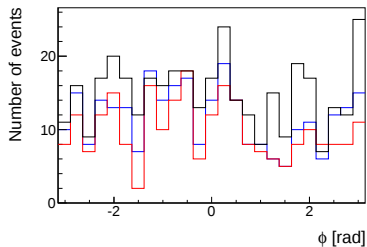
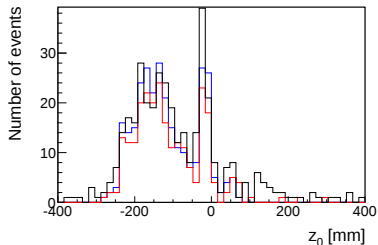
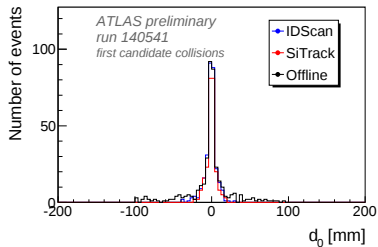
Short summary:

- ▶ L2 ID algorithms which are currently online (SiTrack-00-05-83, IDScan-00-05-95) are not optimized for the present run conditions (solenoid was off until yesterday, SCT only, beamspot size possibly large); moreover they cannot start since L1 is not counting (no L2 tracking in minimum bias);
- ▶ two new tags have been produced for reprocessing only (TrigSiTrack-00-05-83-01, TrigIDSCAN-00-05-98-00) aiming at increasing acceptance in order study/debug L2 tracking algorithms (menu has also been changed in order start fullscan from any L1).

Preliminary results with the two tags for reprocessing (TrigSiTrack-00-05-83-01, TrigIDSCAN-00-05-98-00), on the 210 LAr timing events from run 140541, selecting only events with SCT HV ≥ 20 V (without the last requirement high fake level for Offline and SiTrack).

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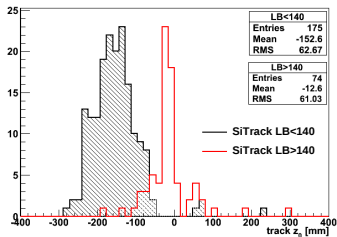
Distributions



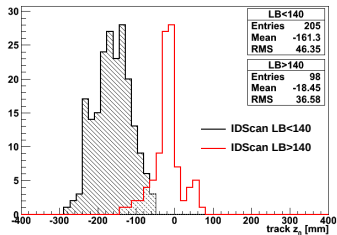
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z_0 distribution for different luminosity blocks.

SiTrack

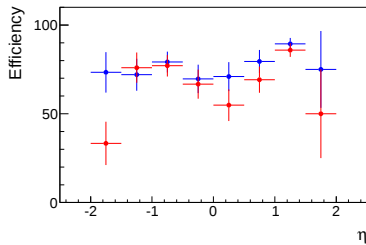
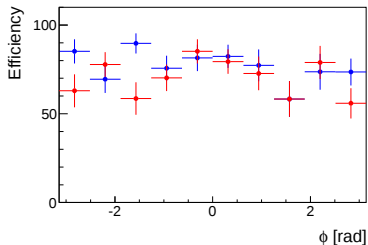
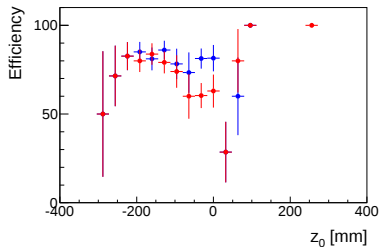
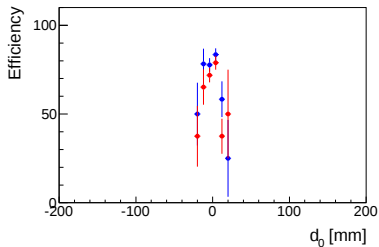


IDScan

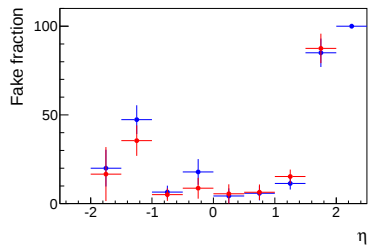
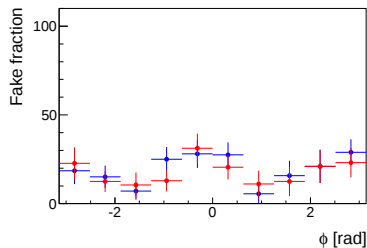
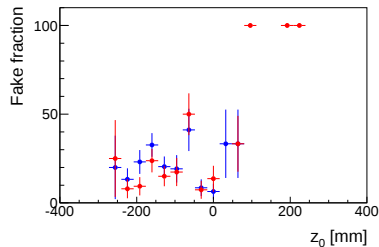
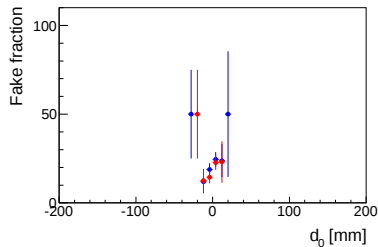


L2 Tracking on run 140541 (efficiencies)

Offline matching: $\Delta R < 0.05$



L2 Tracking on run 140541 (fakes)



L2 Tracking on run 140541 (resolution)

