

Beam Halo in data - update

Andrea Parenti

DESY/UniHH Alignment meeting

03/08/2010

Data sample

Datasets:

/Cosmics/Commissioning10-StreamTkAlBeamHalo-v8/ALCARECO

/Cosmics/Commissioning10-StreamTkAlBeamHalo-v9/ALCARECO

/Cosmics/Run2010A-StreamTkAlBeamHalo-v1/ALCARECO

/Cosmics/Run2010A-TkAlBeamHalo-v2/ALCARECO

Period: 01.04-10.06.2010

Run Range: 132514-137436

Number of events: 574548 (from DBS)

/Cosmics/Run2010A-TkAlBeamHalo-v4/ALCARECO not yet on CMSCAF

Trigger+Track selection

(1) 27.07.2010 selection, TrackRefitterBHM:

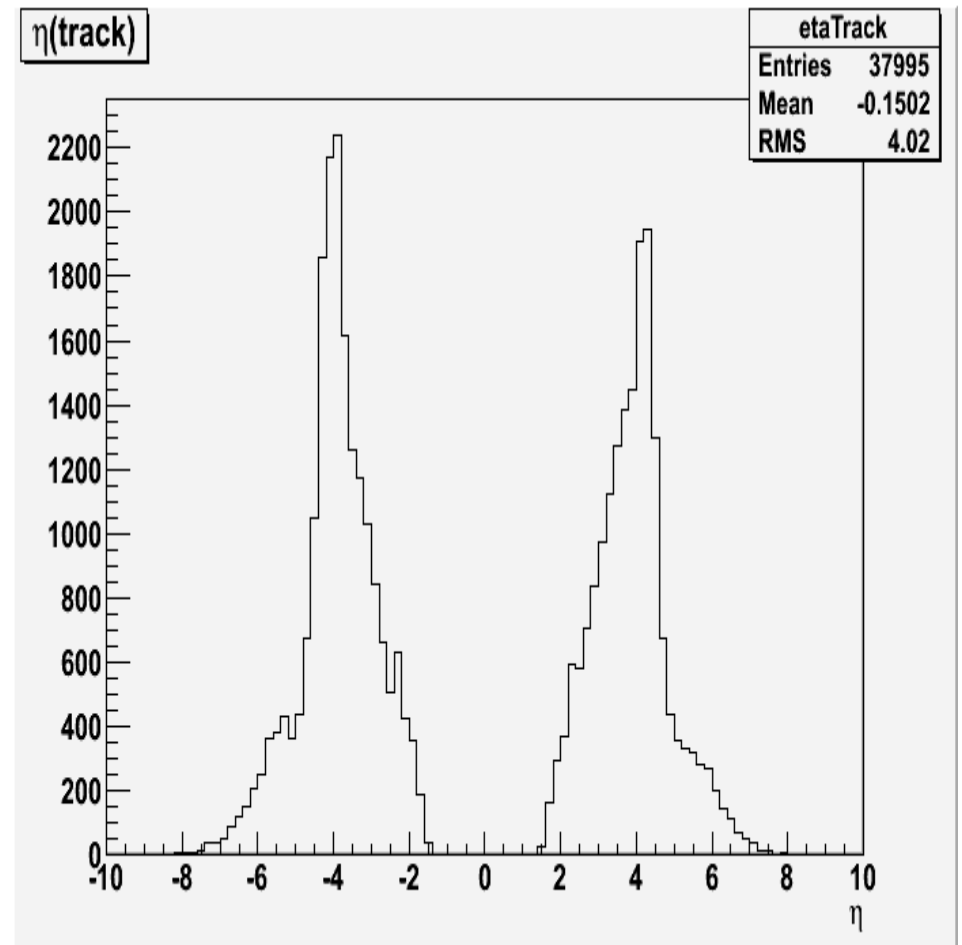
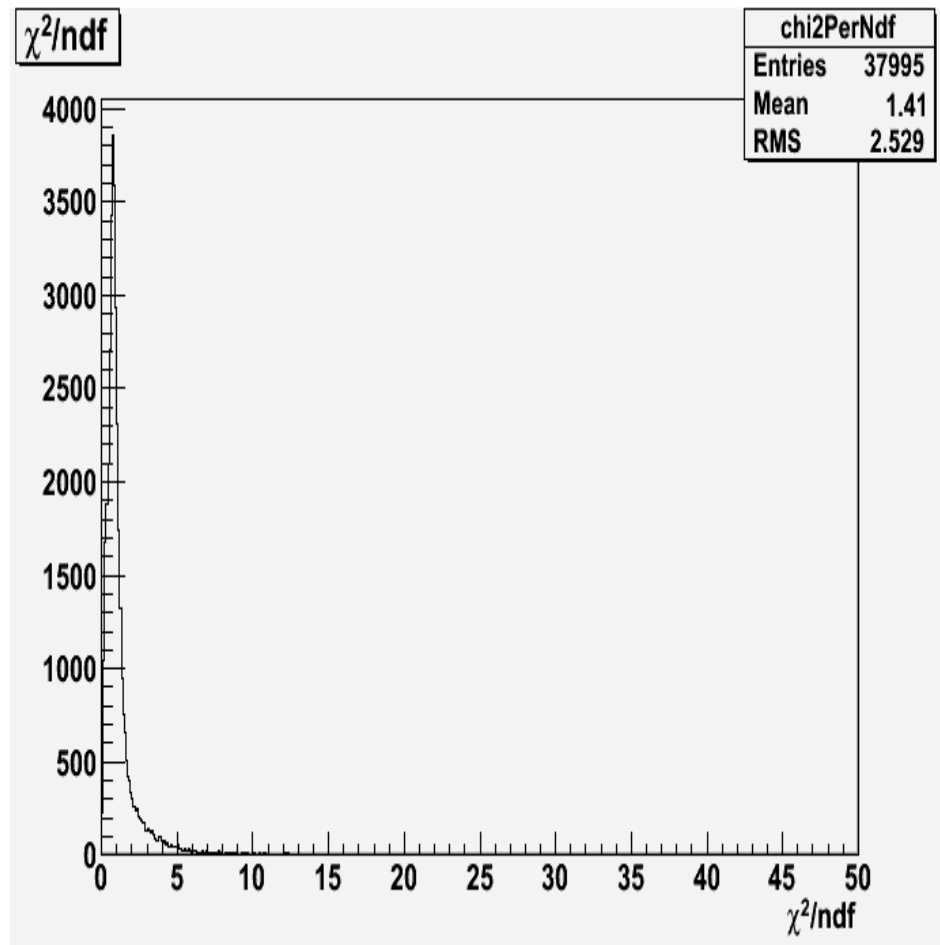
- Techn. Trigger: 36 OR 37 OR 38 OR 39
- Trk selection: $p_{\text{Min}}=2.5$, $n_{\text{HitMin}}=8$,
 $\text{minHitsPerSubDet.inENDCAPplus}=1$,
 $\text{minHitsPerSubDet.inENDCAPminus}=1$
- 22710 selected tracks (~320k events analyzed)

(2) 'New' selection, TrackRefitterBHM:

- No HLT_PhysicsDeclared
- Techn. Trigger + Trk selection: as before
- 37995 selected tracks (~660k events analyzed)

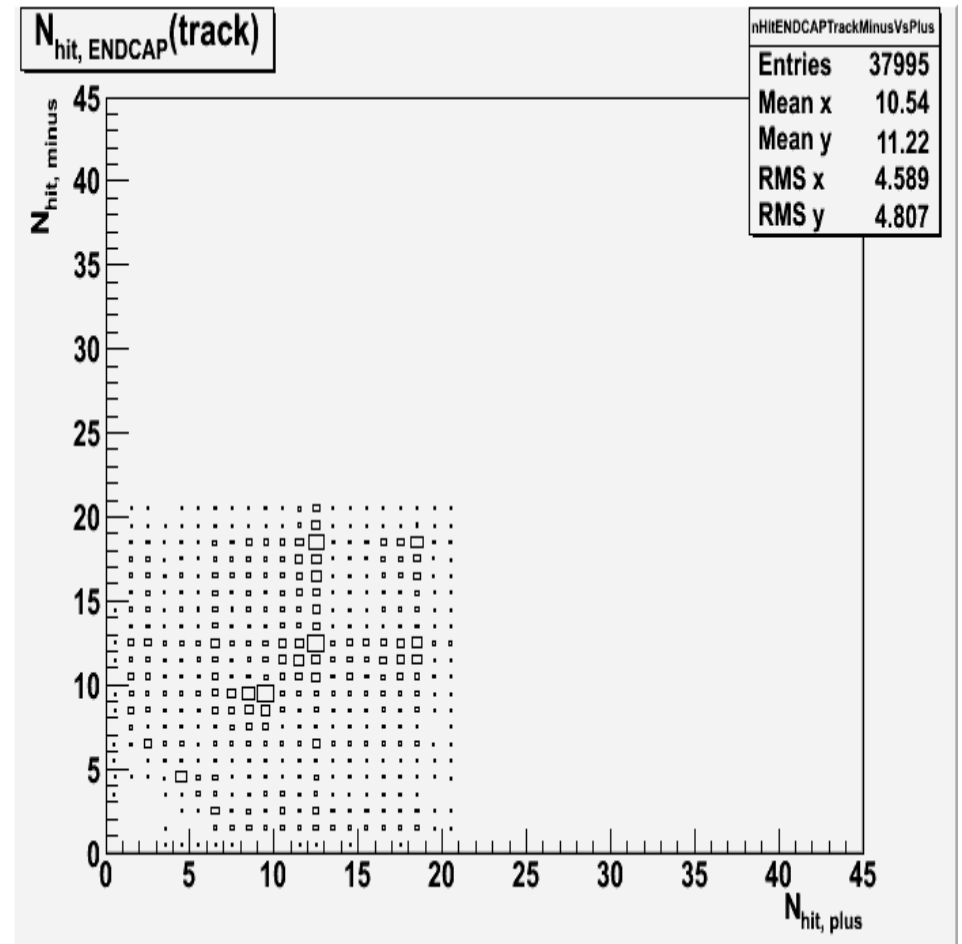
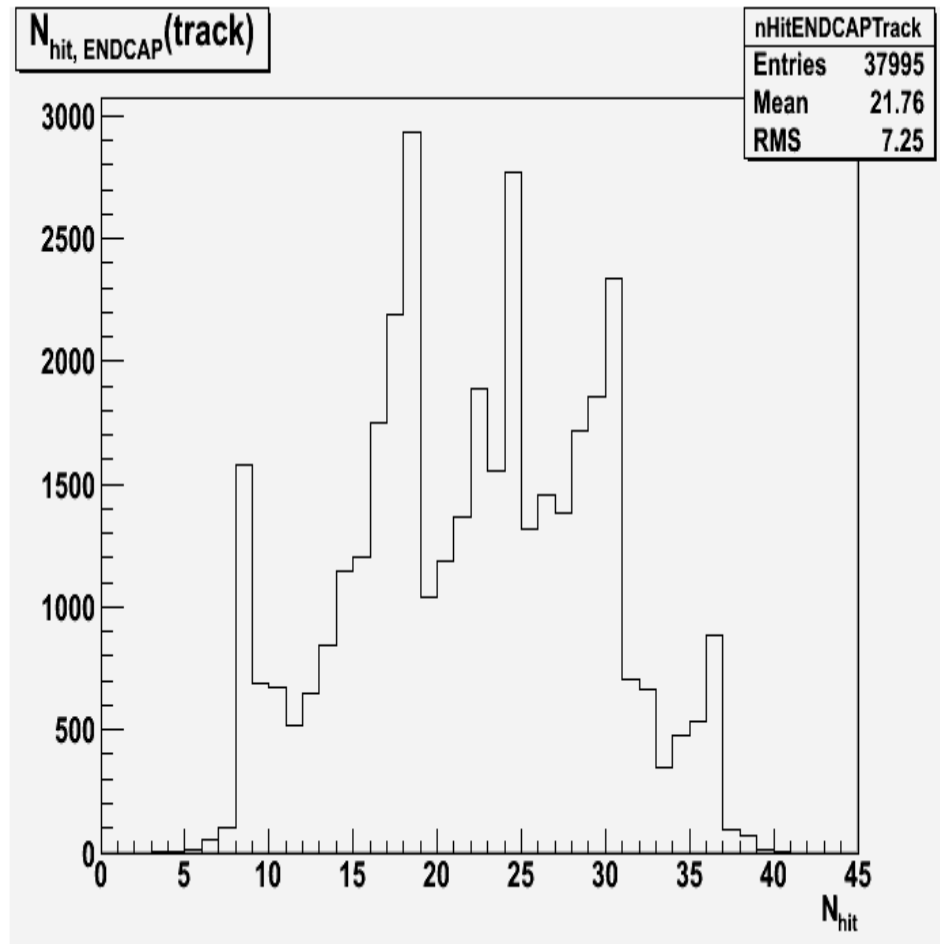
Track distributions

Track distributions for selection (2)



Track distributions

Track distributions for selection (2)



Track distributions

Track distributions for selection (2)

