

Beam halo tracks in recent data

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DESY/UniHH Alignment chat

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Data and MC samples

- BH events in data
 - Period: 19.04-10.05
 - Dataset: /Cosmics/Commissioning10-StreamTkAlBeamHalo-v9/ALCARECO
 - Runs: 133874 133875 133876 133877 133881 133885 133899
133908 133919 133927 133928 134432 134435 134438 134546
134574 134704 134692 134688 134725 134721 134931 134933
135241 135244 135245 135248

Track selection

- Same cuts as in Djamel Eddine Boumediene's talk on 26.02.2010 (<http://indico.cern.ch/conferenceDisplay.py?confId=82599>)
 - $N_{\text{hits}} \geq 8$
 - $d_0 > 8 \text{ cm}$
 - $|\eta| > 1.8$
 - $|V_z| > 150 \text{ cm}$

Track sample

a) No trigger selection, no track selection:

- 5.8M tracks (30 tracks/event)

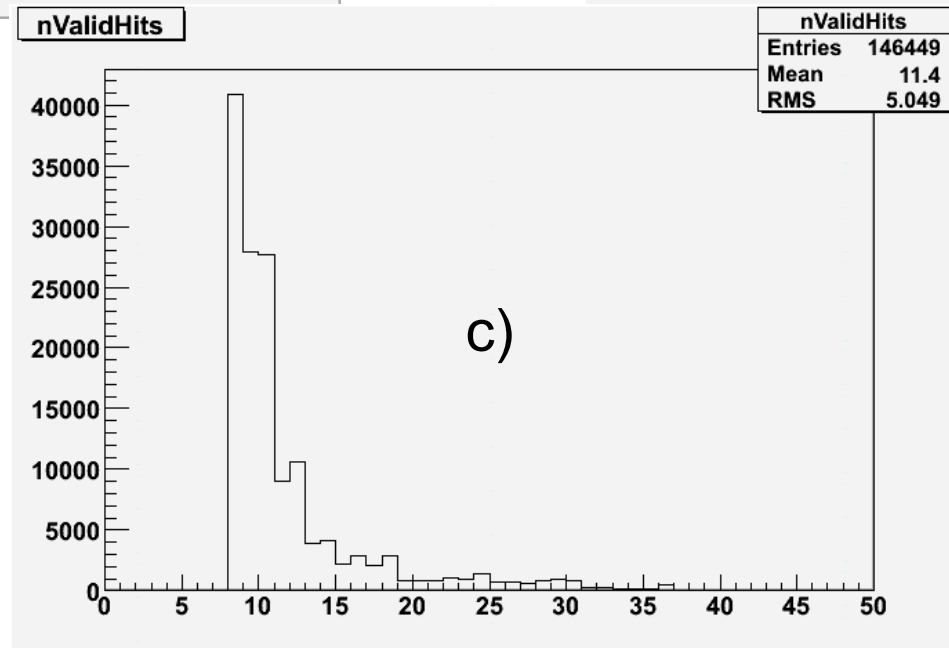
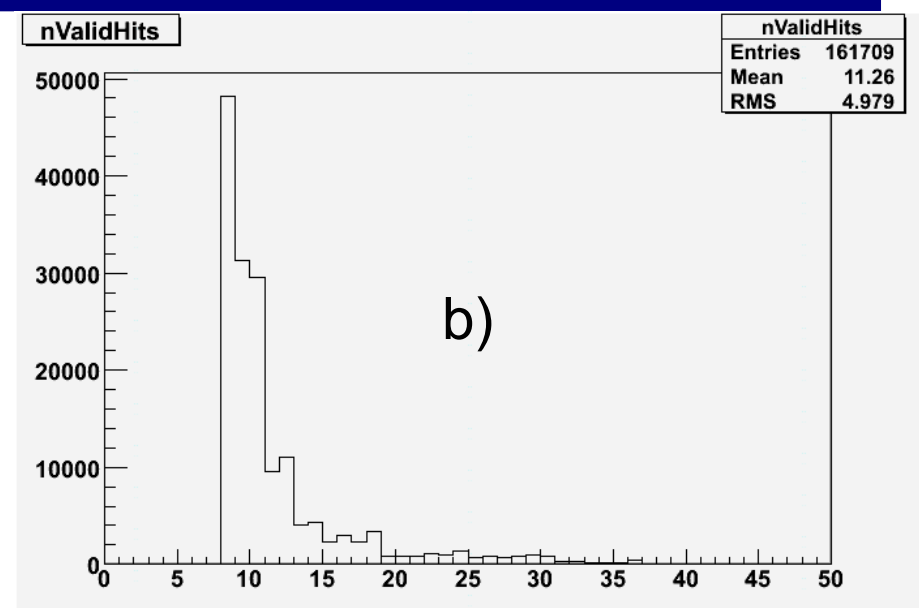
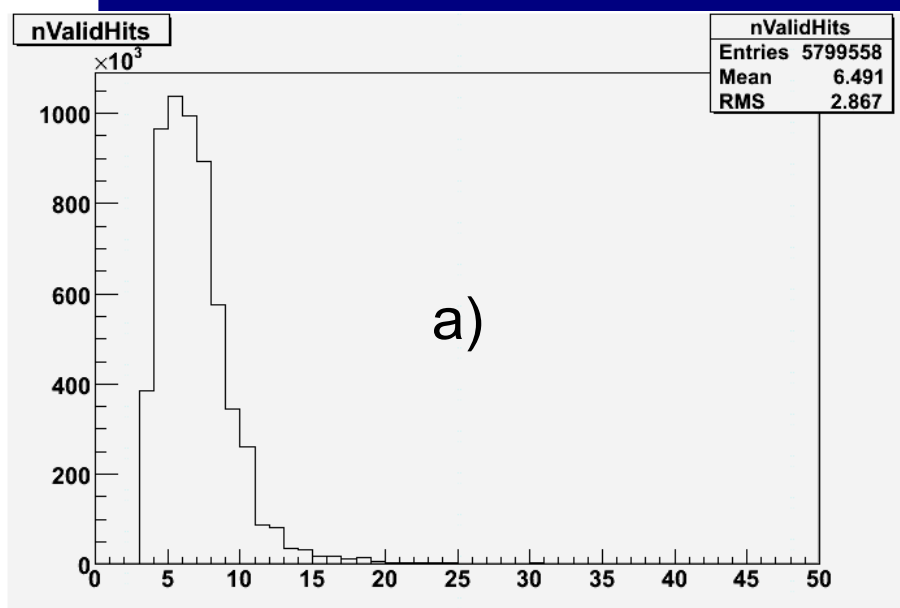
b) No trigger selection, track selection:

- 162k tracks (3.1 tracks/event)

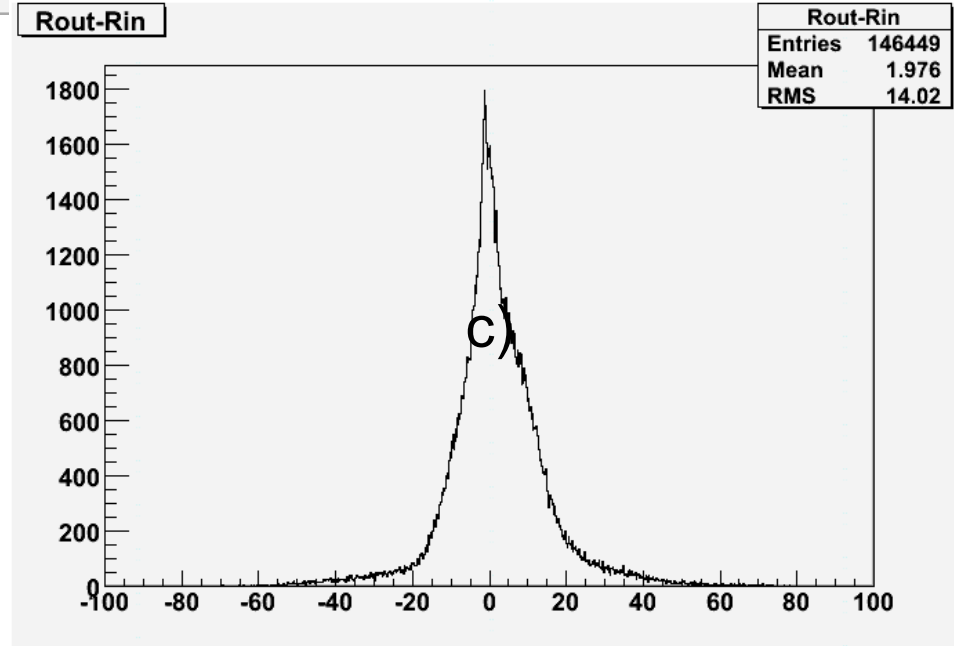
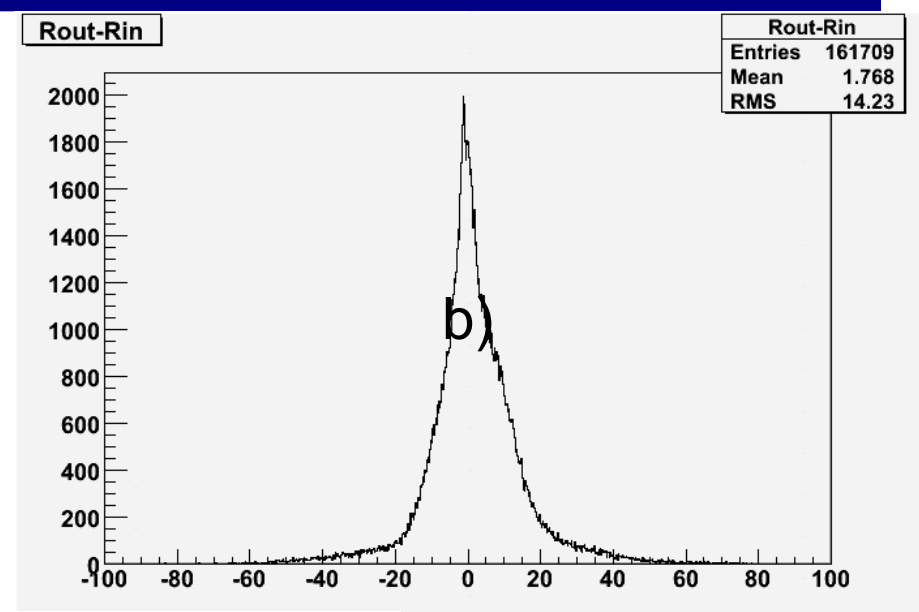
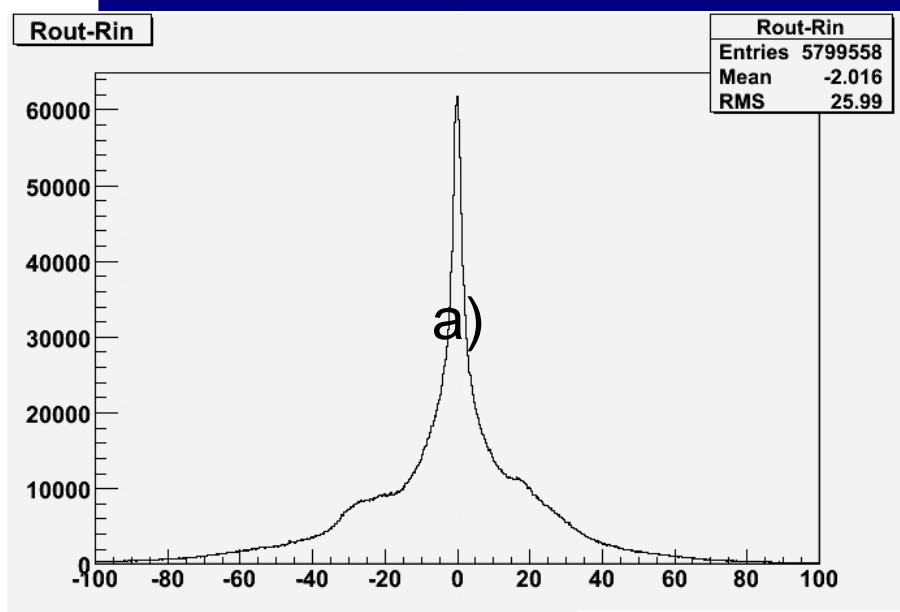
c) Trigger selection + track selection:

- 146k tracks (3.3 tracks/event)

Distributions: nValidHits



Distributions: Rout-Rin



Distributions: Zout-Zin

