

Muon Yields at the LFHCal

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Data source

10x275 GeV, minbias ($0 < Q^2 < 1$), with background

- epic:/FULL/26.07.1/epic_craterlake/Bkg_Exact1S_2us/GoldCt/10um/SIDIS/pythia6-eic/1.0.0/10x275/q2_0to1/pythia_ep_noradcor_10x275_q2_0.000000001_1.0_run10.ab.0011.edm4hep.root

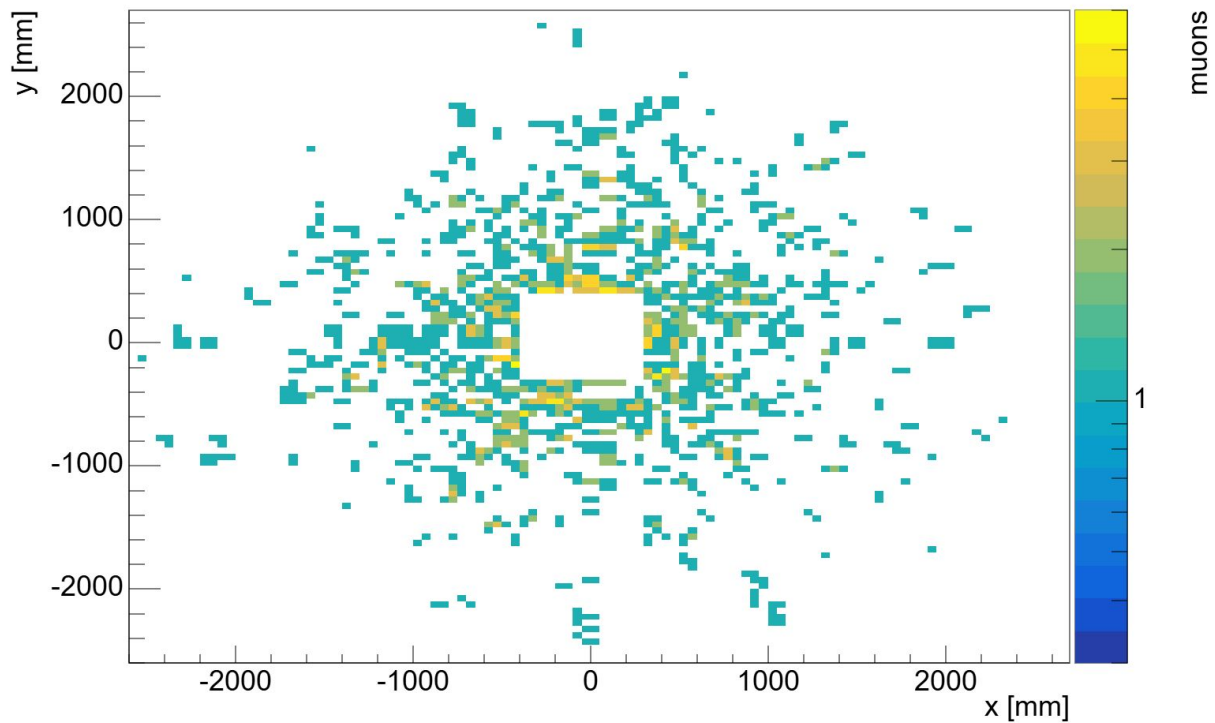
~10k events.

Overview

Muon category	Mean per event
All produced muons	1.102
LFHCal-directed muons ($1.2 < \eta < 3.5$)	0.339
Muons depositing energy in the LFHCal	0.103

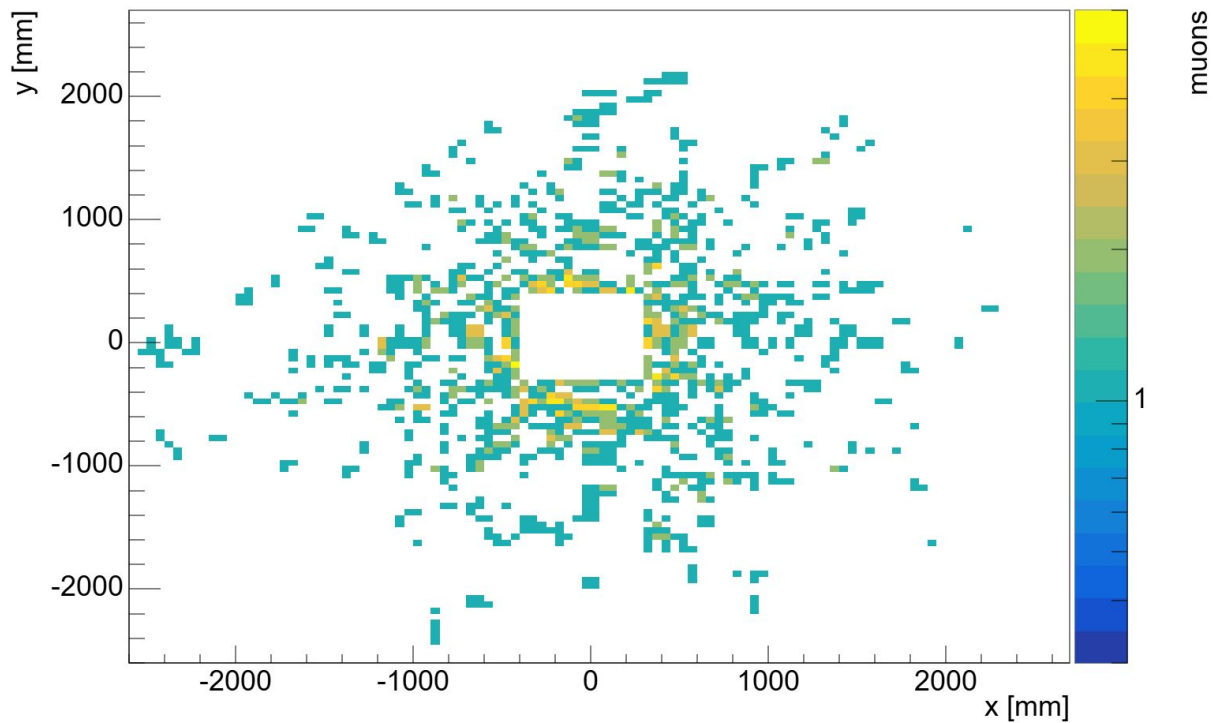
Layer 0

LFHCAL muons, readout layer 0



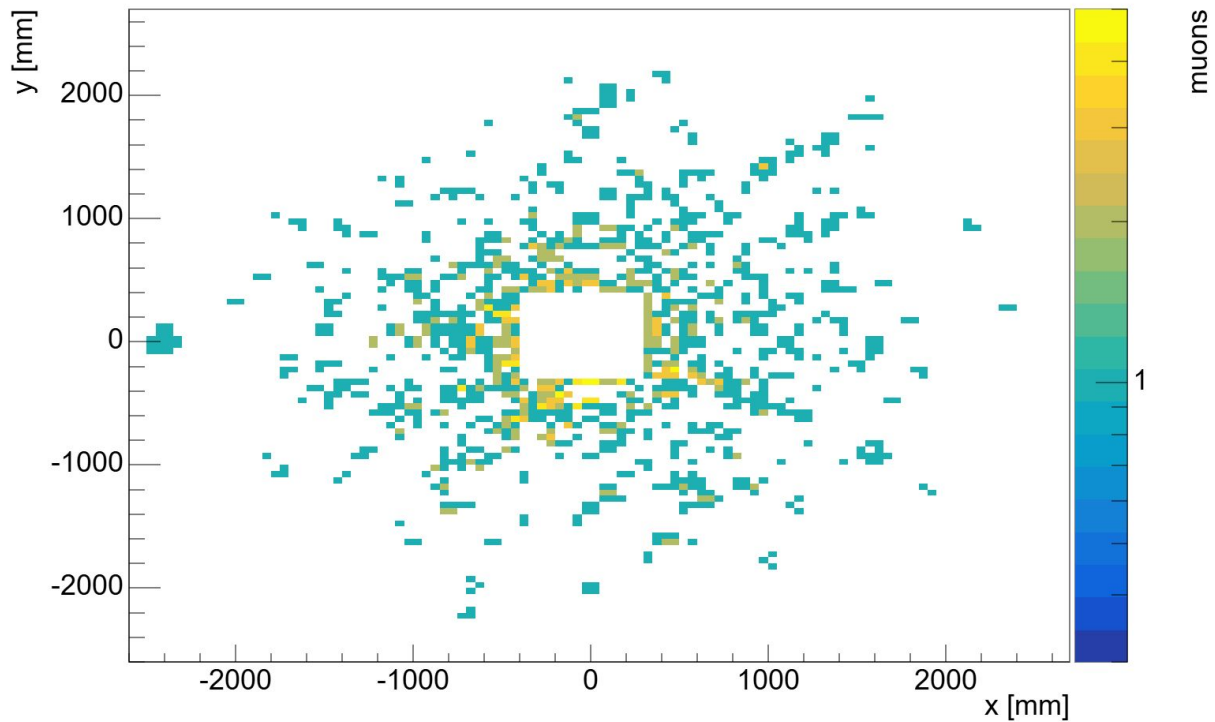
Layer 1

LFHCAL muons, readout layer 1



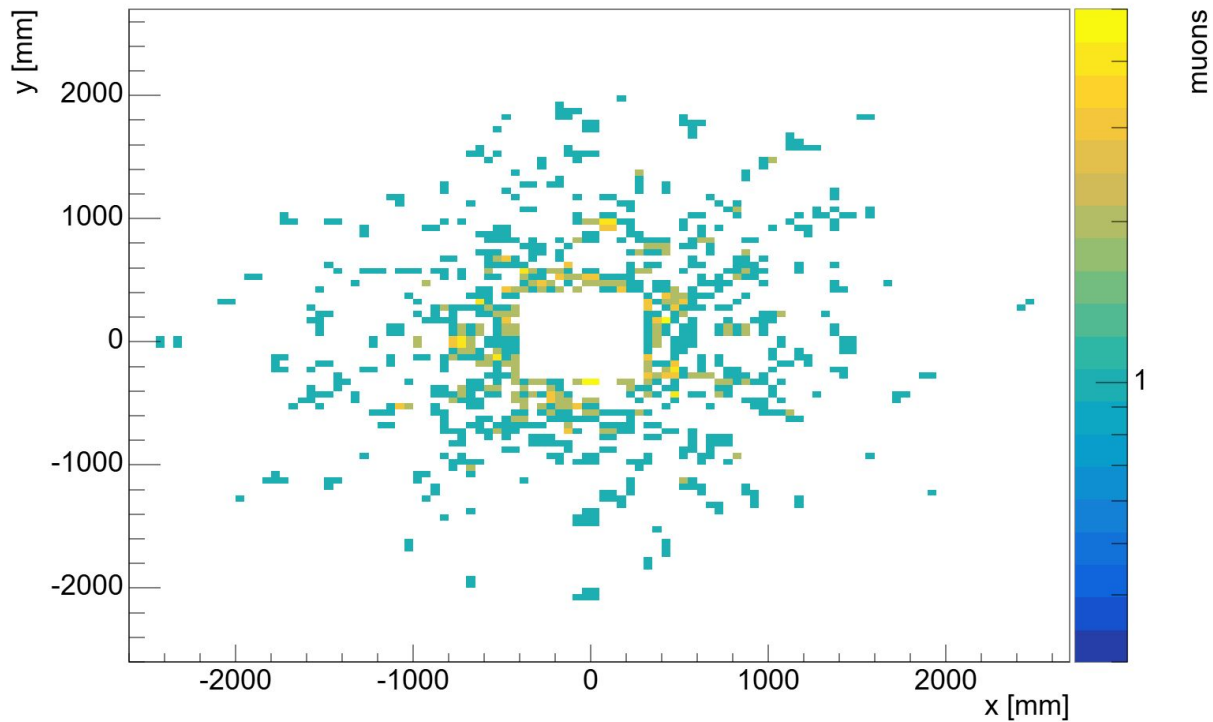
Layer 2

LFHCAL muons, readout layer 2



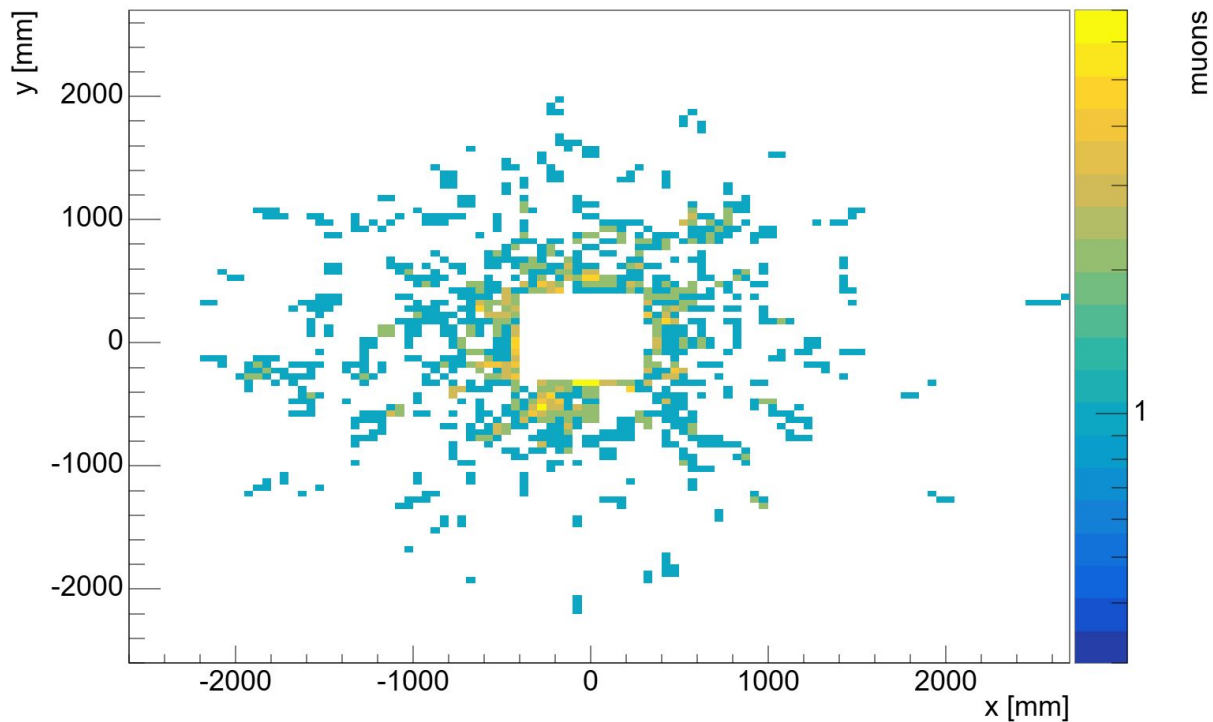
Layer 3

LFHCAL muons, readout layer 3



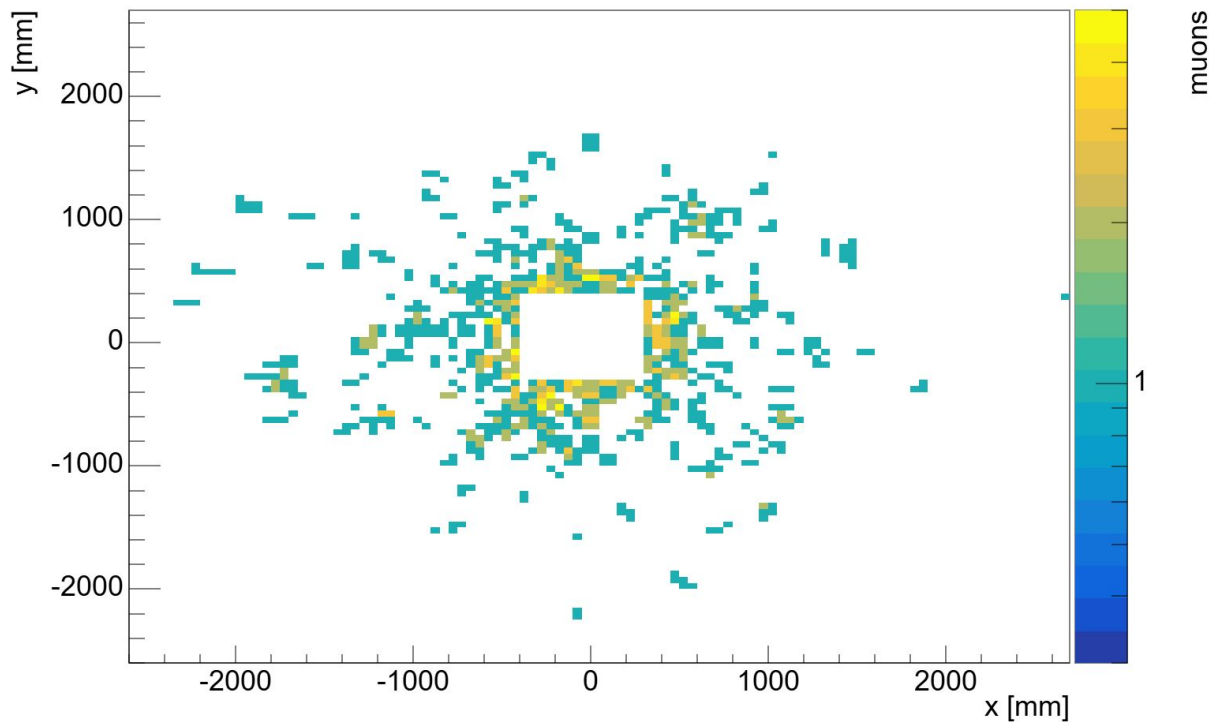
Layer 4

LFHCAL muons, readout layer 4



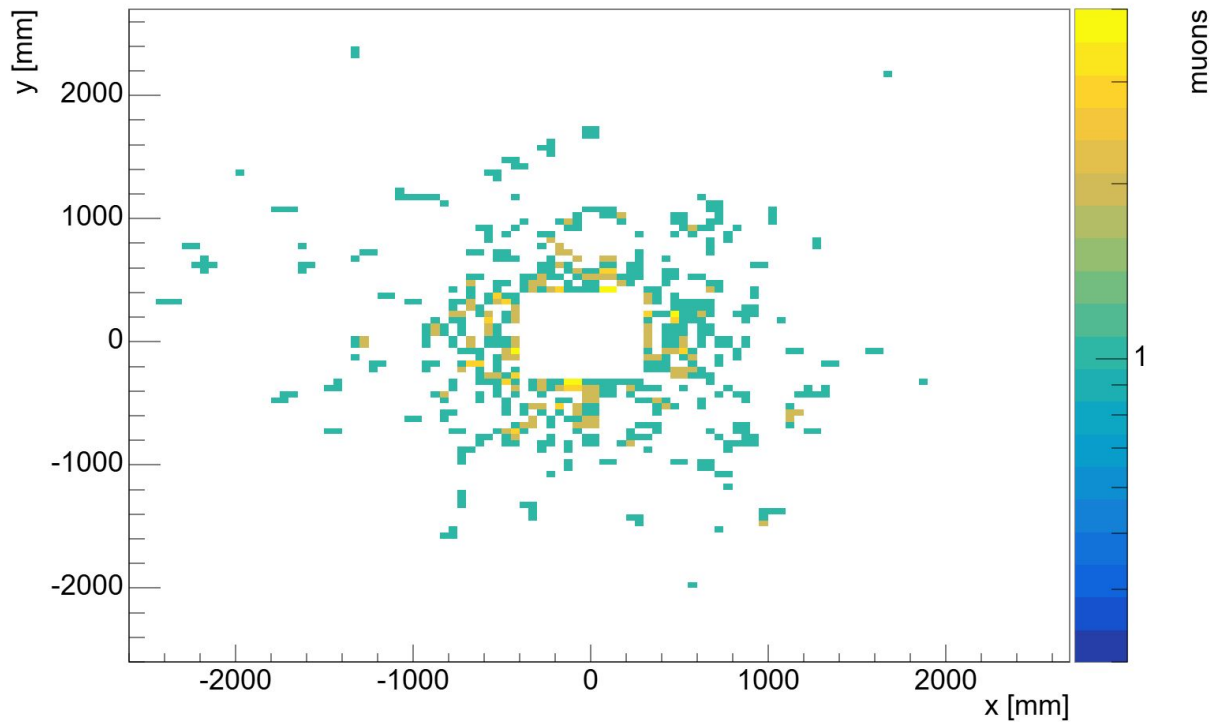
Layer 5

LFHCAL muons, readout layer 5



Layer 6

LFHCAL muons, readout layer 6



Layer 7

LFHCAL muons, readout layer 7

