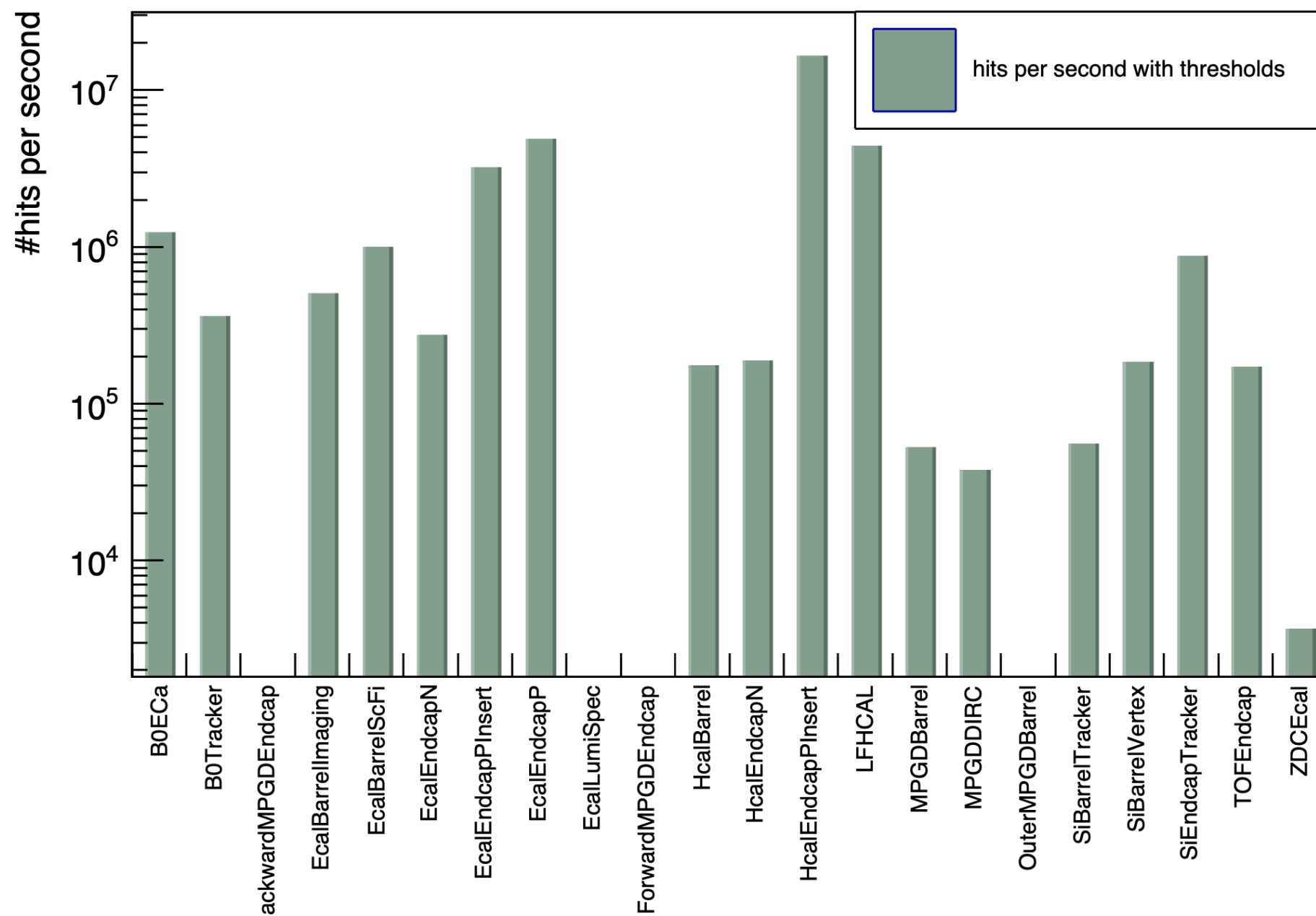

Proton beam gas with new thresholds

Zhengqiao Zhang

BNL

2024.01.04

Hits rate in each sub detector



Highest rate in Channel for each sub detector

Sub Detector	Maximum Rate in Channel (Hz)	Cell ID
B0ECal	10695.4	217513
B0Tracker	3.375	125819838592582038
EcalBarrellImaging	6.75	3377697322462053
EcalBarrelScFi	3.375	18333029059376729705
EcalEndcapN	1371.38	27386215
EcalEndcapPInsert	15478.9	34401714282
EcalEndcapP	10545.8	38696681574
HcalBarrel	270	191343
HcalEndcapN	288	8615133809
HcalEndcapPInsert	13152.4	18446462628797940851
LFHCAL	2881.12	2160514932
MPGDBarrel	3.375	18307836078230573373
MPGDDIRC	2.25	18360471606817488982
SiBarrelTracker	1.125	6804465164284219
SiBarrelVertex	2.25	17245690245022970399
SiEndcapTracker	3.375	15792997989003379270
TOFEndcap	4.5	18444211633910710650
ZDCEcal	46.125	66724

Production for Proton Beam Gas and DIS

- More production: 2 million HepMC3 events of proton beam gas for 275GeV, 100GeV, and 41GeV located at: [S3/eictest/EPIC/EVGEN/BACKGROUNDS/BEAMGAS/proton/ProtonBeamGasEvents/](#)
- Do we have EICReco production for the new DIS events from Brian?
- Update the Wiki page.