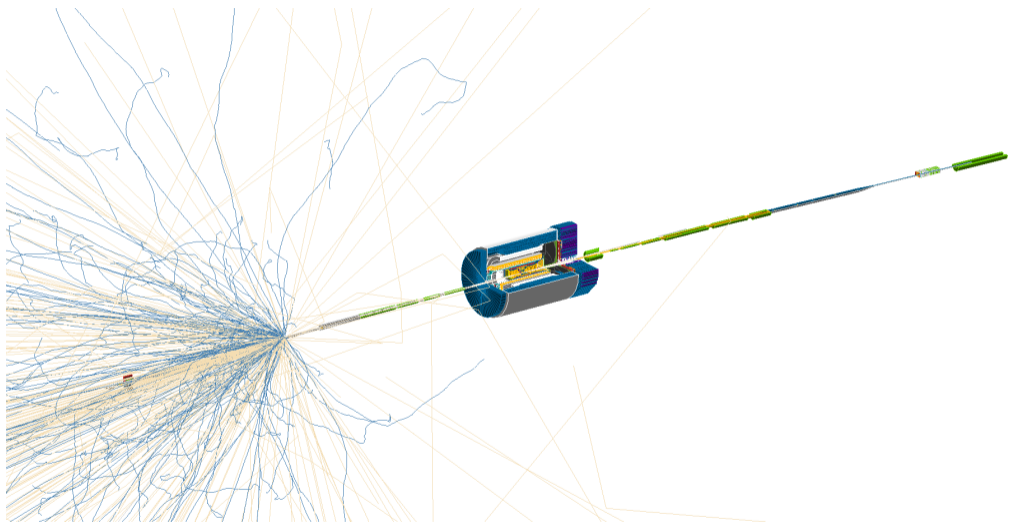


Beam gas background in EEEMCal

Dmitry Kalinkin

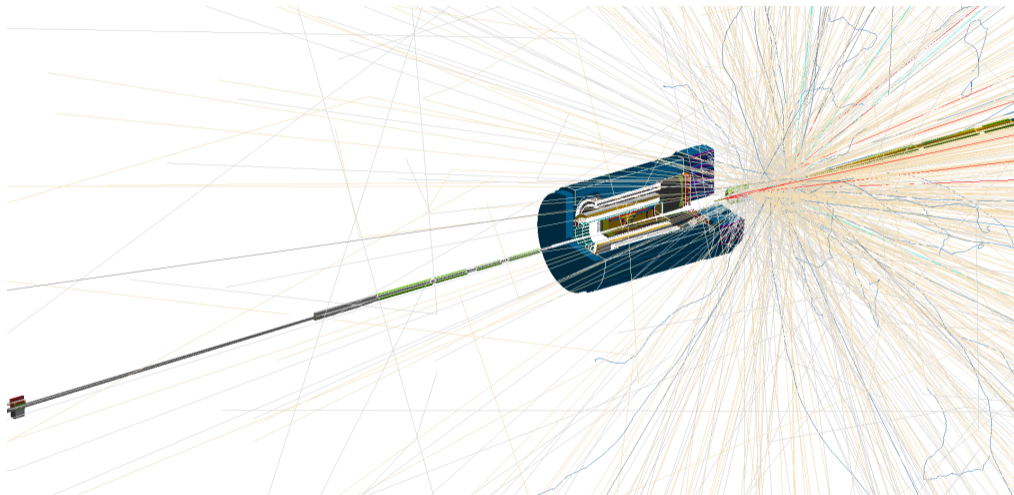
September 28, 2023

Events: typical electron beam gas



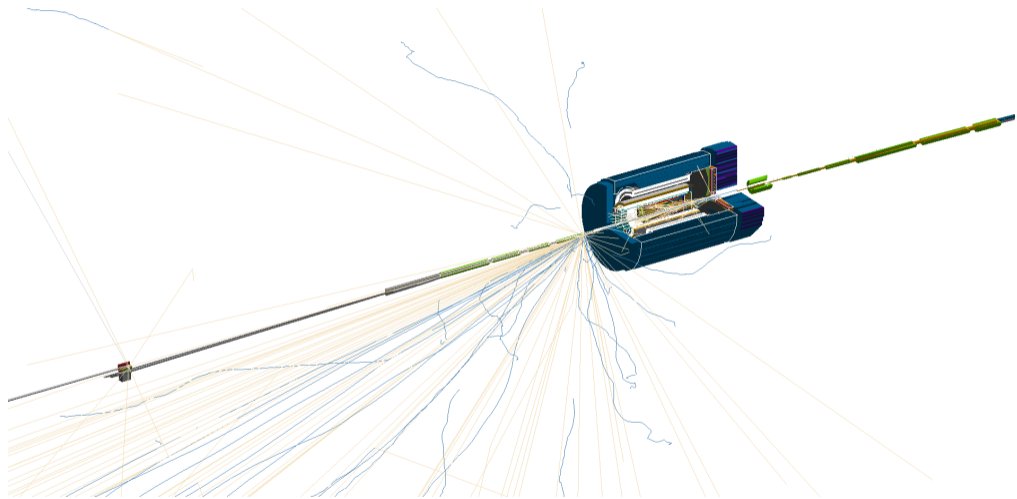
Interacts after detector

Events: typical proton beam gas



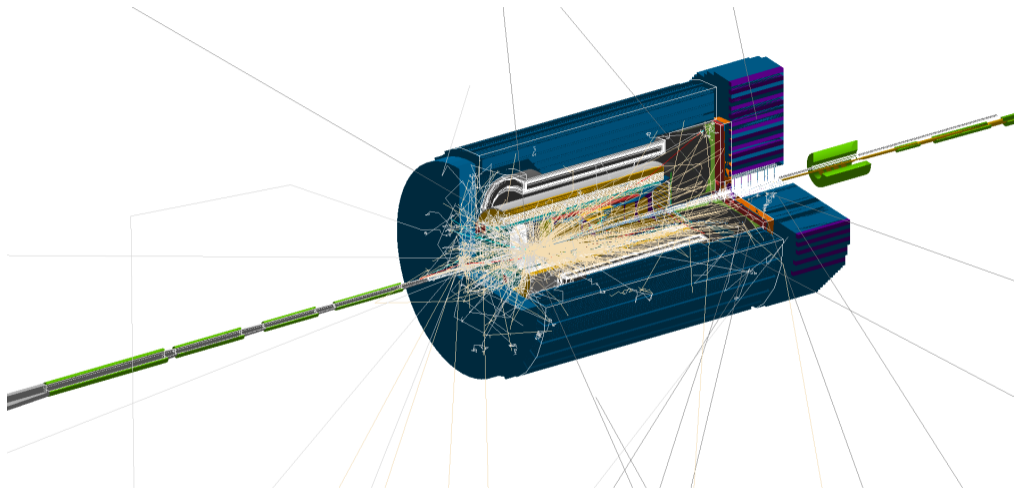
Interacts after detector

Events: electron beam gas with highest E_{dep} .



Sprayed calorimeter from $z > 0$ with ≈ 9.3 GeV going into EEEMCal

Events: proton beam gas with highest E_{dep} .



Interacted near the calorimeter with ≈ 71.7 GeV going into EEEMCal

Hit rates

