Contribution ID : **57** Type : **not specified**

Simulation of the detector response to monitor the backsplash effect in the high-energy gamma-ray telescope

Friday, 9 October 2015 14:30 (30)

The additional detector is located between calorimeters of high energy gamma-ray telescope to monitor the backsplash effect.The simulation results of total absorbed energy in this detector are presented. The temporal and spatial characteristics of the total absorbed energy are presented for protons and gamma rays with energies of 500 and 1000 GeV. These results are useful to minimize the backsplash effect on the efficiency of gamma-ray registration.

Presentation type

Section talk (10+5 min)

Primary author(s) : Ms. LIKHACHEVA, Victoria (National Research Nuclear University MEPhI)

Co-author(s) : Dr. FEDOTOV, Sergey (NRNU MEPHI)

Presenter(s) : Ms. LIKHACHEVA, Victoria (National Research Nuclear University MEPhI)

Session Classification : Poster session IV

Track Classification : Cosmic rays