
Subject: Pions decays in detector

Posted by [AndreiSemenov](#) on Wed, 09 Oct 2019 13:17:37 GMT

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Hello,

We want to estimate background muons which come mainly from pions (and kaon) decays. I tried an example from tutorial thailand2017 with DPM generator and I got very few muons, 10-20 muons (and ~1000 pions) per 1000 events.

It looks like pions does not decay in detector. I tried BOX generator to inject pions or kaons, and I see (with IdealCharged algorithm) 15-20 muons and ~850 initial particles per 1000 events. Is this normal? Or particle decays in detector should be switched on somewhere?

Kind regards,
Andrei Semenov.
