
Subject: Re: DIRC preshower

Posted by [Bertram Kopf](#) on Mon, 18 May 2015 16:07:07 GMT

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Dear Kamal Dutta,

the results of the DIRC preshower studies are based on the old BaBar-like offline software. I think that the geometry of the DIRC as well as of the EMC was a slightly different compared to the present ones implemented in PandaRoot right now. For these old studies single photons have been generated homogeneously in the theta-range between 22 and 145 degrees. We identified the DIRC preshowers via the terminal vertex position of the primary photon of the GEANT4 track. In case that the terminal vertex position was located within the DIRC bar this photon was assigned to a preshower. Then the corresponding EMC cluster has been identified with the track matching to this primary photon.

What is the problem in your case?

With best regards,
Bertram.
