Subject: Regarding digitization of start detector of diamond
Posted by Shyam Kumar on Tue, 25 Mar 2014 15:16:29 GMT
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Hi,
I am setting the parameter for diamond sensors in macro/params/all.par file similar as "Digitization parameters for TRAPEZOID Mvd strip sensors" but I did not understand the last term "cluster_corrchargecut:Double_t 12000." exactly and also there is a question we have two types of trapezoid sensors (small and large) should I use different parameters(as top anchor and skew and orient etc.) for both or same for both.

Thank you

Subject: Re: Regarding digitization of start detector of diamond
Posted by Tobias Stockmanns on Thu, 27 Mar 2014 16:24:33 GMT
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Hi Shyam,

the parameter "cluster_corrchargecut" is for the correlation of hits on the top and on the bottom side of the sensor. If the differences between the charges is less than the cut parameter than the two strip informations are combined to a hit. This does not work for single sided sensors.

If you need different parameters for your two different types of sensors depends if the parameters of your sensors are the same or not. In general I would say you shoul have two parameter sets.

Cheers,

Tobias

Subject: Re: Regarding digitization of start detector of diamond
Posted by Shyam Kumar on Thu, 27 Mar 2014 16:56:46 GMT
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Hi Tobias,
Thank you for reply, I will change the anchor point for small trapezoid according to their size and rescale the all other parameters on the basis of Mvd large trapezoid sensors. I think these parameters (small sensors) can also be used in the digitization of lambda disk.

Shyam