Subject: SDS digitization - new offset functionality
Posted by Stefan Pflueger on Tue, 07 Nov 2017 14:19:29 GMT
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Hello,

I want to add some new functionality in the SDS digitization classes. This new functionality is to introduce an offset in x and y for the active part of a sensor, so that the first pixel does not necessarily have to start at the edge of the TGeoVolume.

Also another question: I stumbled on the two SDS classes with do this PndSdsCalcPixel and PndSdsCalcPixelDif. It looks like a lot of overhead in these two classes. Can I merge these two, or do we even need them both?

Best regards,
Stefan

Subject: Re: SDS digitization - new offset functionality
Posted by Tobias Stockmanns on Wed, 08 Nov 2017 09:35:19 GMT
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Hi Stefan,

in the MVD we introduced the inactive part by a dedicated silicon layer around the active part. I have nothing against your idea to introduce two additionl parameters to define the offset in x- and y-direction but make sure that the default of these parameters is set to 0.

Cheers,

Tobias

Subject: Re: SDS digitization - new offset functionality
Posted by Stefan Pflueger on Wed, 08 Nov 2017 12:00:00 GMT
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Hi Tobias,

ok then we will also do it the way you described, creating an active and passive geometry part. Thanks

Cheers,
Stefan