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Subject: Overview of sub-systems

Posted by [Tobias Stockmanns](#) on Thu, 03 Nov 2016 09:16:19 GMT

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Dear all,

here is the list of questions which should be addressed in the presentation of the sub-system status:

#### Geometry

What geometry is implemented? Does this match with the current design? Does it contain all materials a) in an approximate manner b) in a realistic way? Digitization

How is the digitization done? Does it match with the output of the electronics which should be used? Are there any additional information in the data objects which are not available in the real experiment? Reconstruction

What reconstruction algorithms do you use for e.g. clustering, hit building ... ? Is there just one algorithm? Are you aware of other algorithms used by other experiments? Have you compared the output of the reconstruction with test beam data? Time based simulation / reconstruction

Is your code able to run time based? Is the pile-up handling realistic? How is the time-based reconstruction done? General

What are the open points in your sub-detector? How much manpower is needed for that? How much manpower is available? What are the open points in PandaRoot in general?

Cheers,

Tobias

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