
Subject: Contribution abstract for the DPG Tagung 2017 (Münster) SciTil

Posted by [Ken Suzuki](#) on Wed, 14 Dec 2016 13:45:16 GMT

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Dear colleagues,

we would like to submit two abstracts as the SciTil Group to the coming DPG Tagung 2017 (Münster)

One by me as a Gruppenbericht.

Another talk by Sebastian with a focus on hardware tests.

-Author list-

Ken Suzuki¹,
Marius Chirita¹,
Lukas Gruber¹,
Dominik Steinschaden¹,
Sebastian Zimmermann^{1,5},
Merlin Böhm²,
Albert Lehmann²,
Carsten Schwarz³,
Herbert Orth⁴,
Kai Brinkmann⁵ ,
Kamal Dutta⁶
Kushal Kalita⁶
for the PANDA-Collaboration
¹SMI
²Erlangen
³GSI
⁴HIM
⁵Gießen
⁶Assam

-Abstract-

We describe the technical layout and the expected performance of the Barrel Time-of-Flight

been designed to precisely measure the time at which a charged particle transits the detector with a resolution superior to the other sub-detectors. It will signal the topology of physics events, hence setting cornerstones for event classification. The implementation of the Barrel TOF is based on very fast organic scintillator tiles coupled to Silicon Photomultipliers, in total 2000 scintillators and 16k SiPMs will be used, covering 5 m². The detector R&D is now in advanced stage and the technical design report is being reviewed by the collaboration.

As you'd know, the submission deadline is tomorrow. Please let us know if you have any comments, corrections, questions.

Sorry for this short notice.

Best regards,
Ken and Sebastian