**Minutes, 75th PXD EVO Meeting, November 18, 2014, 10:00**

Present: H.-G. Moser, C. Kiesling, P. Kodys, D. Klose, J. Ninkovic, E. Prinker, C. Marinas, D. Levit, L. Andricek, C. Niebuhr, C. Koffmane, H. Krüger, M. Ritzert, A. Campbell, B. Kisielevski, Y. Soloviev, M. Valentan, A. Frey, M. Ritter, F. Lüttike, M. Hoek, C. Lacasta, S. Lange

* Tuesday, 18 November 2014
	+ 10:00 - 10:20B2GM report *20'*

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| Sprecher: | Christian Kiesling |
| Material: | [**Slides**](https://indico.mpp.mpg.de/materialDisplay.py?contribId=0&materialId=slides&confId=3189)pdf file |

* + 10:20 - 10:50ASIC Review: Follow up *30'*

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| Material: | [**Slides**](https://indico.mpp.mpg.de/materialDisplay.py?contribId=1&materialId=slides&confId=3189)powerpoint file |

* + 10:50 - 11:10Beam Test *20'*

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| Sprecher: | Carlos Marinas |

* + 11:10 - 11:25AOB *15'*

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* + - PXD Meeting in Prague *15'*

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| Material: | [**Slides**](https://indico.mpp.mpg.de/materialDisplay.py?subContId=0&contribId=3&materialId=slides&confId=3189)pdf file |

1. **B2GM Report (C. Kiesling):**

Christian summarized the recent B2GM. Some important issues (more in Christian’s slides):

* The schedule is still fixed since it is not known yet how much funding will be available for machine operation. This information is expected in December. In the best case (full funding, 70 okuyen) Physics can start end of 2017. Reduced funding (60 okuyen) will delay the physics to the 2nd half of 2018. Dates for phase 2 commissioning (Beast Phase II and VXD integration) are beginning of 2017 or spring 2017 respectively.
* The Mainz group (Concettina Sfienti) has been accepted as Belle II member.
* New calculation showed that the present weight of the VXD is acceptable.
* IBBelle be will brought to KEK fully assembled in a 40’ container and placed outside Tsukuba Hall (location is more or less clear). A hut has to be constructed by KEK. KEK will also provide EU standard 400V 3-phase power.
1. **ASIC Review, Follow up (H.-G. Moser):**

Hans-Günther summarized the outcome to the review and the reviewer’s recommendations. See the slides for further details).

We had a discussion on the action to follow the ASIC review. First we have to update the documentation. The plan is that the ‘users’ send comments and suggestion to the editors (DCD: Ivan, Switcher: Christian, DCD: Hans) by end of the year and a new set of documents will be provided in January 2015. An irradiation campaign needs to be organized (Karlsruhe?).

DHPT: Bonn will look into the serializer and strength of the driver. Mode switching (Normal <-> Gated) needs to be tested in a realistic system. Improvements of the common mode subtraction and the possibility to blank channels will come in the next iteration.

In order to understand the problems with the high speed links it was suggested to test the stability of the power supplies and the power distribution system.

Alternative to the long cables on can look into an early optical conversion. Ivan Koronov is looking after usable transmitters. Since radiation hardness of optical transmitters is an issue we need to understand the radiation level in the dock area (DESY; Nakayama). Furthermore we need the bending of the optical fibres.

 DCD and switcher issues still need to be discussed (Ivan and Christian Kreidl could not connect).

1. **Beam test (C. Marinas)**

Carlos reported on preparations for the beam test. The test will be from Monday, November 24, 8:00 till Monday December 1st, 8:00. DUTs will be large PXD6 matrix already used ibn the DESY beam test. A 2nd long PXD6 matrix has been prepared but could not yet been brought to work (shorts?). As backup small matrices on hybrid 5 can be used.

A holding frame with protection lid is still missing and should be in production at MPP (produced and sent to CERN on Friday).

Carlos would like to use the LMU power supplies but needs support (transport, installation and operation). To be checked with Stefan Rummel.

1. **AOB:**

Peter Kodys made an announcement for the PXD/SVD workshop in Prague in January 2015. Registration will be open soon:

https://indico.mpp.mpg.de/conferenceDisplay.py?confId=3196

Christian Kiesling informed us the Strasbourg group plans a workshop in January to study the possibility to use Plume ladders in Beast II.