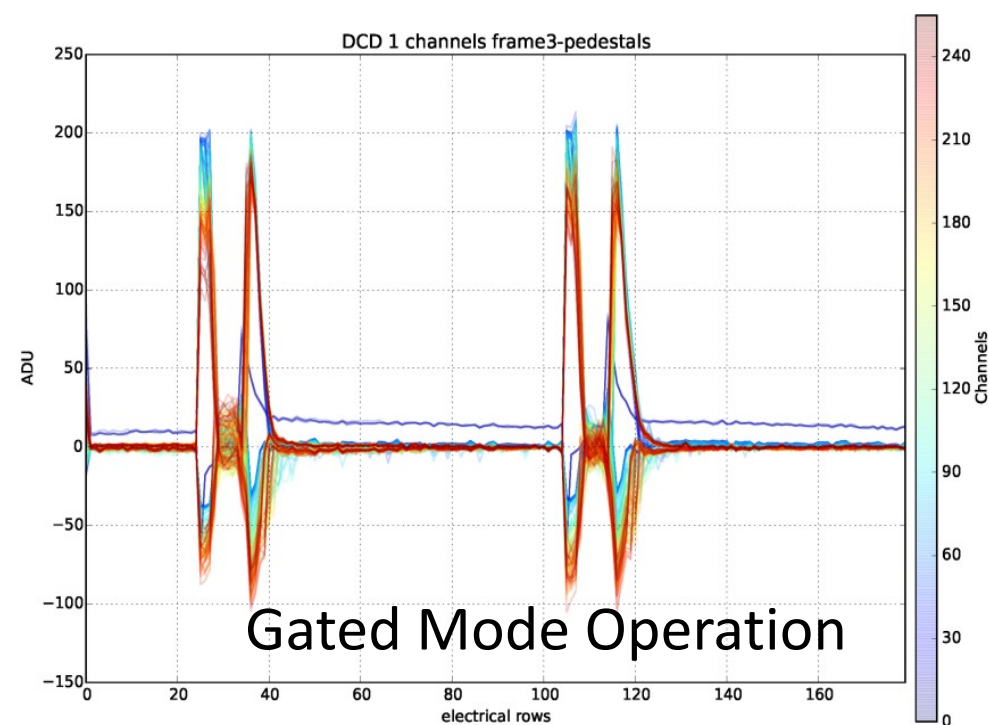
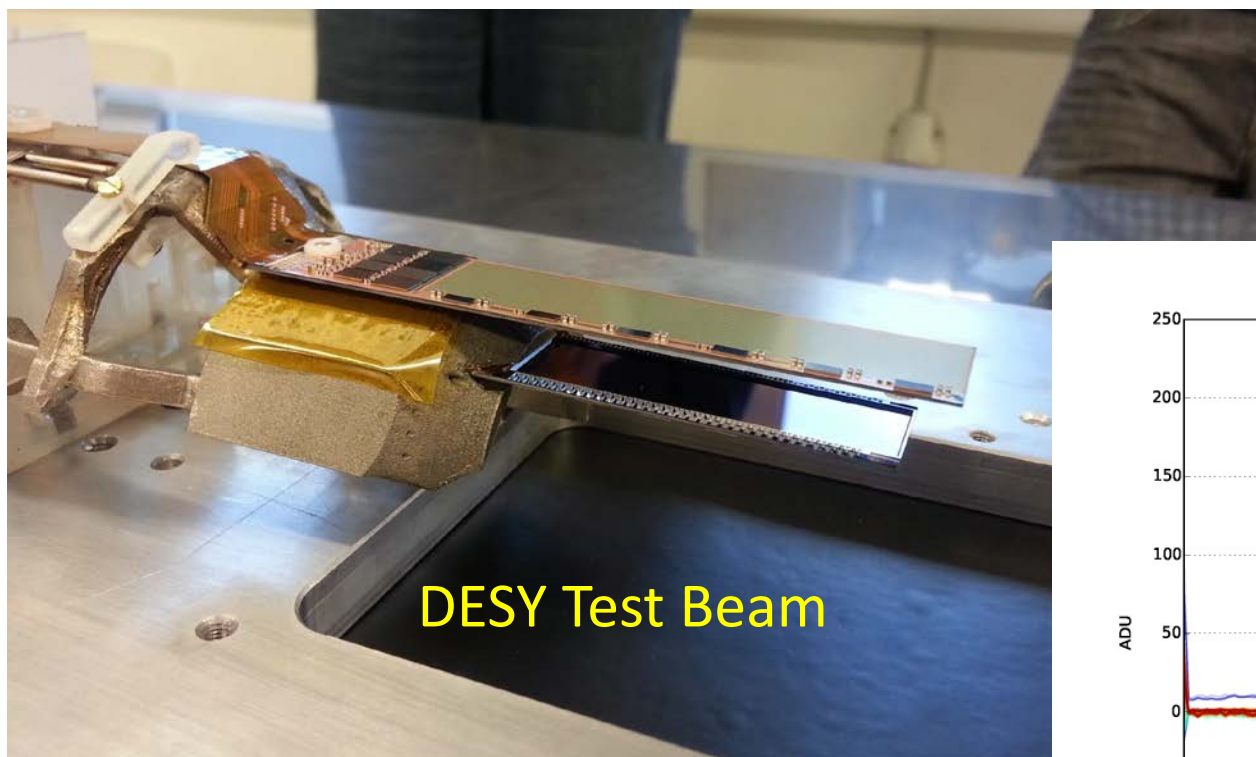


20th International Workshop on DEPFET Detectors and Applications



Multi-Application Workshop for the DEPFET Technology:

From **Electron / Photon Science** to **Flavor Physics** and **Future Colliders**

Thursday

Morning and early afternoon: Belle II PXD
 backend-DAQ, Sensor Production, ASICs, assembly

Late afternoon: Non-Belle Applications
 Edet, KEK-PF, Athena, ILC

19:00 Meeting of the Institutional Board (IB)

no “organized” dinner tonight,
[coffee breaks 10:30, lunch 12:00, coffee breaks 15:00 and 17:00]

Friday

9:00 Pixel Vertex Detector (PXD): Lab Tests

10:30 Coffee Break

11:00 Test beam @ DESY (April 2016)

12:30 Lunch

13:30 BEAST 2 preparations, P/S & Services, Slow Control

15:00 Coffee Break

15:30 VXD Mechanics,
Coordination & Documentation

18:00 Technical Board (group leaders + ex officio)

19:00 Conference Dinner („Gotischer Keller“)

Saturday

9:00 PXD Performance: Test beam, Tracking & Vertexing

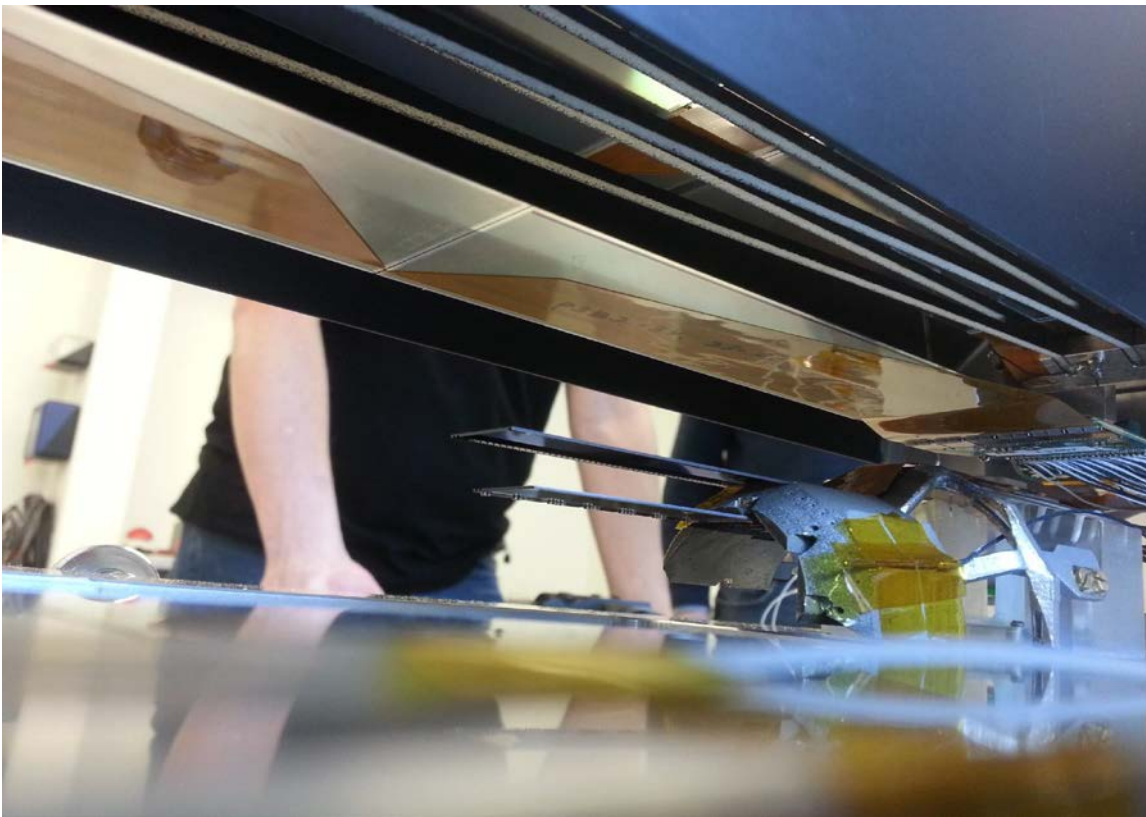
10:30 Coffee Break

11:00 Cooling and Environmental Control

12:30 Lunch

13:30 Adjourn

The committee is pleased to see improved coordination between the Pixel Detector (PXD) and Silicon Vertex Detector (SVD) groups for the assembly activities and encourages them to extend this effort to the operation aspect. They should establish a unified procedure for the operation of both detectors, since the working environment and control system of the two are strongly coupled.

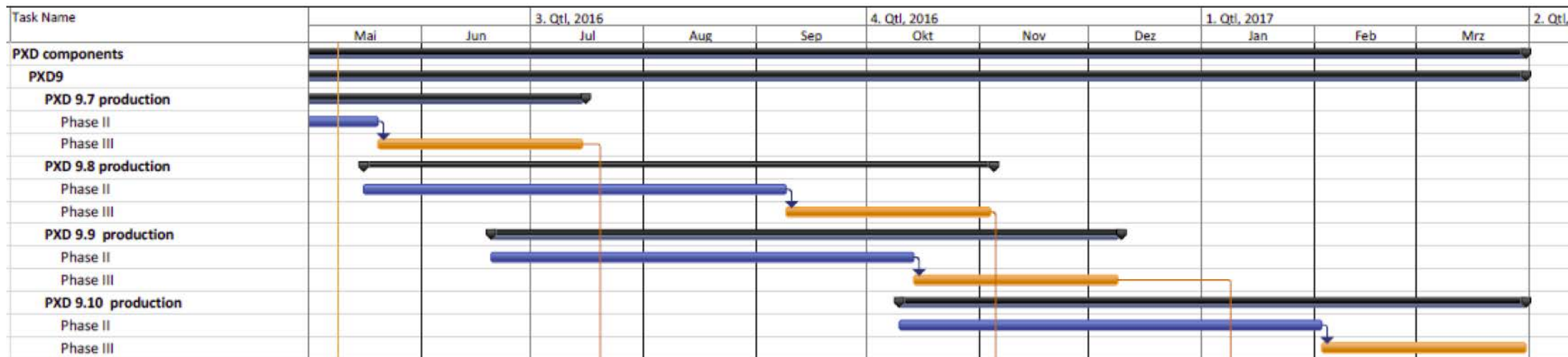


Combined Beam Test
@ DESY

VXD Leader:
Carlos Marinas
Deputy:
Katsuro Nakamura

Software (calib., align., reco.):
Benjamin Schwenker
(+excellent support from Prague)

Due to delay in the production of the final ASICs, the construction schedule of the PXD is very tight without contingency for the start of the Phase 3 physics run in October 2018. The committee urges the PXD group to examine carefully the production plan in detail to ensure that nothing has been forgotten and to see whether some contingency can be generated.



Proposal by Laci:

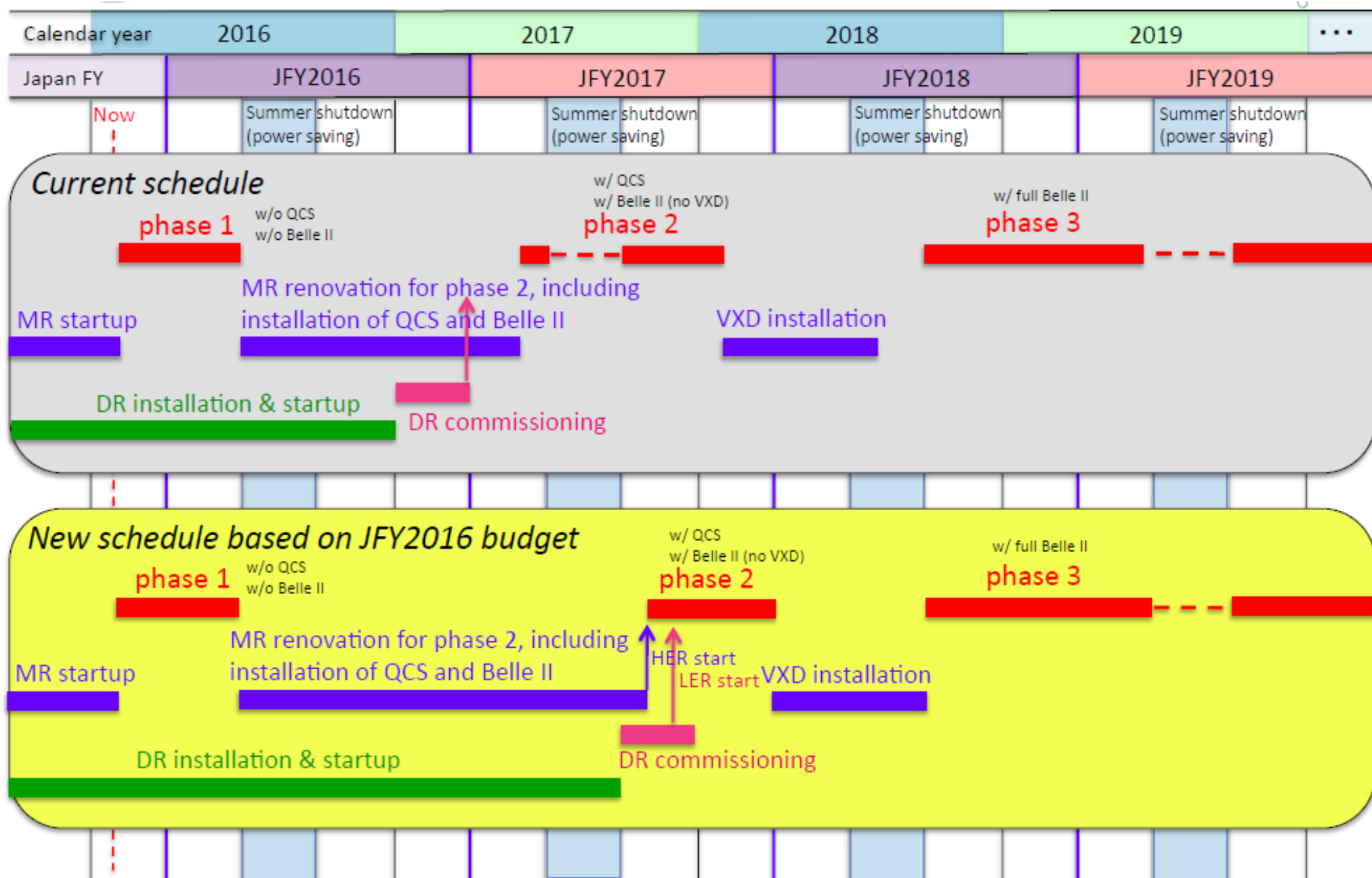
After pre-production for BEAST 2 sensors (PXD9-7: 4 wafers):

reduce to only 3 batches for main production

(PXD9-8,9: 15 wafers, PXD9-10: 7 wafers)

<- generates „contingency“

Update on Machine Schedule (Feb. 16)



- Assessment of Sensor Production Readiness
- Is the envisaged sensor production schedule overly risky?
- Critical review of ASIC Testing (DCD4.1, DHPT1.2)
- Detailed planning of the QA during ladder production
- Which lessons did we learn from the recent DESY Test Beam (system aspects, documentation etc.,)
- Detailed planning of the BEAST 2 detector, including a final beam test at DESY (late fall of 2016) before transport to KEK (when?)
- Synchronize other components (DAQ, SC, etc.) with BEAST 2 schedule

A big „Thanks“ to

Laci for organizing this meeting again

and to

Eva and **Silvia** for the very pleasant
welcome at the registration desk!