

APS beamtime

Julian Becker

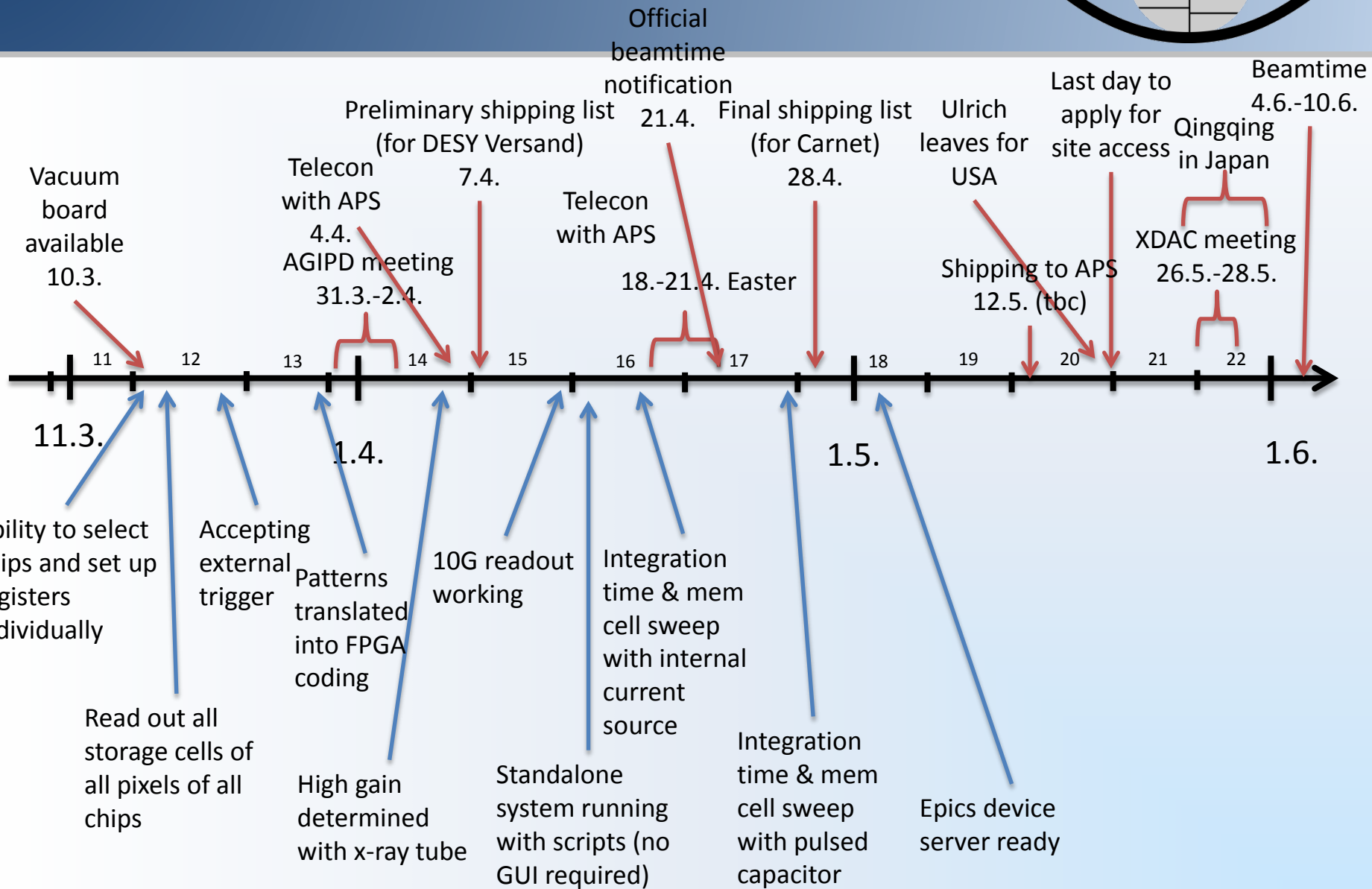
AGIPD meeting 01.04.14



- 2 weeks of beamtime in 2x 1 week batches
- Test AGIPD single module at 6.5 MHz
- Setting up (1 day)
- Basic imaging tests and experiments (1 day)
 - looking at direct beam
 - measuring shot-to-shot fluctuations both in space and intensity
 - flat fields from diffuse scatterers
 - x-ray images of 'interesting' objects
- Sophisticated tests using knife edges, pinholes and microbeams (4 days)
 - MTF/PSF of the detector
 - investigation of eventual cross-talk
- Advanced tests using reference scatterers (1 day)
 - standard powder diffraction type measurements (to investigate distortions in the sensor response, so-called tree-ring phenomena)
 - looking at fast moving intense reflexes (e.g. from an oscillatory process) to rule out effects of afterglow.

APS Beamtime planning overview

V1.2





Names on the application (12):

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