



BWS Project Update Meeting

Software Status

18th June, 2019

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Handover

- **Loic has now left CERN**
 - Ana has all details of current implementation / documentation
- **During the handover, Ana documented many outstanding questions**
 - Some questions already have answers
 - Jonathan started documenting the answers
 - [CERN LIU Beam Wire Scanner behavioural interface between hardware-firmware-software](#)



Mock Systems

- **2 crates prepared in the hall**
 - cfv-865-blm3 - PSB timing
 - cfv-865-blm4 - SPS timing (also used for new TT10 BLM OP mockup)

- **Agreement with OP (James) that we will provide SPS mocked device by 1st July**
 - This will allow him to start building the OP GUIs
 - We agree that the interface may change over time, but we hope the fundamentals of the interface are already there
 - Devices will return fake wire-scanner data taken from run 2
 - ... and simulate the real-time behavior (i.e. give real access to LTIMs)
 - Possibly a bit later than July 1st

- **Who can follow up for PSB (Jean-Francois Comblin)?**
 - L.Jensen? M. Bozzolan?
 - Last meeting was a long time ago!



FESA System Architecture

- Specific request from PM section to make different FESA classes
 - PMT acquisition class
 - No movement involved
 - So-called wire-scanner *brain* class which will coordinate the behavior of the movement and the PMT acquisition(s)
- No more details here
 - Ana will give us a diagram at our next weekly meeting (20th June)



Manpower Needs

- Identified that we need assistance for BLM Diamond & Wirescanner projects
 - Additional tools for testing, performance profiling, boundary testing, expert GUIs, etc...
 - Not for design of the FESA class
- In process of trying to find somebody from Greek or Pakistani collaboration
 - At the moment, money only available for 1 (shared) PJAS
 - If this PJAS gets stretched, we can investigate a TECH for BLM Diamond GUI work



Next steps

- Complete mocked FESA devices before summer break
 - Trigger OP meeting for PSB
- Keep trying to complete the behavioural interface document
- Regular weekly meetings
 - Perhaps might be less during Summer break!
- Followup for PJAS