List of BI Open Actions

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LIU-PSB WG Meeting

16th April 2015
Forewords

• First BI review held the 29th January 2015, see https://indico.cern.ch/event/367898/
  • Detailed presentation from J. Tan (WP holder for LIU-PSB 6: Beam Instrumentation).
  • Some deadline was found incompatible with the expected baseline, in particular concerning the readiness for a possible Linac4 connection at the end of 2016.
  • These mismatches raised a general concern and triggered a global review of the LIU-PSB project, see https://indico.cern.ch/event/376324/, to check the readiness for the Linac4 connection of all the involved equipment.

• K. Hanke presented a summary of the LIU-PSB review at the LIU Project Team meetings.

• As a consequence, the management launched a review of the most critical WPs, to better understand the status of the different projects.

• J. Tan presented the status of BI WP to the management on Tuesday, based on the latest developments:
  • For instance Linac4 beam commissioning at 160 MeV expected to start mid-June 2016.
    • Part 1 of HST in Q2 2016.
    • Part 2 of HST in Q3 2016.

• In this slides we summarize the open action as derived from the meeting.
Open Actions (I)

• H0/H- Current Monitors Electronics:
  • The proposal needs to be distributed and reviewed with BE/OP (F. Roncarolo).

• H0/H- Current Monitors:
  • Check the need to order spares, 19 kCHF, to align with magnets spares (J. Tan/J. Borburgh).

• H- charge-exchange, Beam Profile and Foil Inspection:
  • Keep only the 2 spares foreseen (not 4, extra 33 kCHF)? To be checked that it is practical to remove old unit & re-install (J. Tan/S. Burger/W. Weterings).

• BI.SMV position measurement plates:
  • Positions now defined for outgoing beams - integration to be checked (B. Mikulec/B. Riffaud).

• BI.BTV30:
  • ECR required (J. Tan/S. Burger).

• SEM for injection matching:
  • SRR & ECR required (J. Tan).
  • Decision taken to move installation to YETS 17-18, but with study of possibility for PPM device re-visited (F. Roncarolo).
  • Decision on spare grids to be taken once cost of final design clear.
Open Actions (II)

• BCTs - BR.TMD in 8L1:
  • ALARA to be followed-up (R. Froeschl).

• PSB-TMS: (J. Tan/L. Soby/J. Belleman)
  • BI needs to prioritize in 2015 on:
    • Demonstrating 200 μm resolution for low intensity.
    • Demonstrating reliable operation with new firmware/software.
    • Electronics to be ready for deployment in EYETS 16-17.

• Wideband BPM:
  • DIC+SRR+ECR to be submitted (J. Tan/J. Belleman).

• BLM:
  • PS specs needed to enable regrouping of electronics order (LIU Management).
  • ECR in 2015: include FLAT ionization chambers and ionization chambers to replace ACEMs (J. Tan/C. Zamantzas).

• Wire Scanners:
  • Need to find specifications (B. Mikulec/J. Tan).
  • We may need re-sectorization of vacuum as section 11 is in the same vacuum sector as extraction elements (J. Hansen).
  • What do we need to get out of critical path with this WU? (R. Jones/B Dehning).