

EIC SC general meeting

D. Elia, G. Contin, G. Deptuch, L. Gonella, L.
Greiner, P. Jones, I. Sedgwick, E. Sichtermann

Introduction to the meeting

- RD111 and RD104
 - Project Directed R&D funds for FY22 are available for R&D into items needed to mitigate technical, cost, and schedule risk for the EIC reference detector.
 - For the silicon tracker two projects have been identified:
 - eRD104 Silicon Service Reduction;
 - eRD111 Si-vertex (excl. sensors).
 - The EIC SC has responded with a description of tasks, milestones and schedule for eRD111 and eRD104.
 - Some institutes have already expressed interests.
 - We present them today to gather further interest from EIC SC members.
 - Funding can be requested from the project and we need to coordinate the request for resources.
 - *i.e. we need to know what you want to contribute to and what resources you need from the project.*
- Costing and CAD
 - Review of costing estimates for construction and CAD releases distributed to the proto-collaborations for the detector proposals.
 - Presentation of costing estimates for R&D.

Introduction to the meeting

- Silicon sensor design and testing
 - Design of the first stitched sensor is progressing in the ITS3 WP2.
 - RAL is already involved, BNL has signed the NDA with CERN/TJ, and LBNL is expected to do so shortly.
- Testing of MLR1 structures is ongoing in the ITS3 WP3, no show stoppers so far.
- At the last meeting a number of EIC SC institutes have expressed interest to contribute to sensor testing.
- Today we would like to give more information on the testing, what ITS3 expects from testing institutes and confirm what institutes want to be included into the ITS3 WP3 to work on sensor testing (MLR1 now).
- *The EIC SC coordination and the ITS3 management will meet this week to start discussing the role and contribution of EIC SC groups in the ITS3 WP2 and WP3.*

EIC – CERN collaboration

- There have been multiple discussions between EIC project management and CERN management on synergies related to accelerator, detector and computing.
- For the experimental program, CERN has assigned Christian Joram and Luciano Musa as direct points of contact with the EIC Project through Elke and Rolf.
- As part of the discussions, the annual meeting of the CERN Experimental Physics R&D programme will have a joint session related to the synergy in R&D between CERN EP and EIC, on 12 November.
 - <https://indico.cern.ch/event/1063927/>
- Laura and Leo have been asked by the project to liaise with François Vasey (CERN contact for silicon synergies) and they will present synergies on MAPS (EIC SC consortium) and AC-LGAD (EIC LGAD consortium).

Future meetings

- Possible date of next meeting: Monday 6 December 12 PM Eastern Time.
 - The need for this meeting will be assessed in a few weeks depending on the progress setting up RD111/RD104, and integrating groups within ITS3 WP2/3.
- From January, we propose to start meeting regularly the last Monday of each month.
 - Reports on RD111 and RD104 activities, sensor design and testing.
- The first meeting of this series will be on 31 January 2022.