EP R&D Software

André and Graeme

2023-06-21

EP R&D Staffing

- Joshua Beirer joins the EP R&D fast simulation team from 1 July
  - He will work 50/50 between ATLAS and EP R&D, helping generaise the ATLAS FastCaloSim approach for additional use cases
- We are very well disposed to this kind of 50/50 model, so if you have ideas for projects, please discuss with André and Graeme

EP R&D 2022 Report

- We have no news.

EP R&D Phase II

- EP R&D Phase II programme is included in the Medium Term Plan (MTP)
    - This is sent to the SPC, FC and Council for comments
    - NOT YET a definitive approval of the programme, but it goes in the right direction
- Management sends Big Thanks to all who have contributed to both Phase II and to the annual reporting, which has been convincing
- Funding level is yet to be finalised - as it looks now, is a bit lower than requested
    - Some trimming and prioritisation will be unavoidable

EP R&D Website

- Reminder
  - Please tell us if you have links to presentations or proceedings, we will link them to the EP R&D Website

DOCUMENTS AND LINKS

Key4hep Documentation

Key4hep and EDM4hep Meetings (Indico)

Key4hep GitHub Project

EDM4hep common event data model repository

Key4hep Proceedings for vCHEP 2021

EDM4hep Proceedings for vCHEP 2021

PRESENTATIONS

Key4hep - Plans for Deployment (Valentin Volkl, Pre-GDB, 5 May 2020)

CERN R&D on Spack and the Turnkey Stack (Valentin Volkl, HSF Workshop 19 Nov 2020)

Status of the key4hep Software Development (Valentin Volkl, IAS Program on High Energy Physics 20 Jan 2021)

Key4hep: Progress on Common Software (Valentin Volkl, LCWS 2021, 15 March 2021)

Integrating iLCSoft into Key4hep (Placido Fernandez Declara, LCWS 2021, 15 March 2021)

Key4hep: The Turnkey Software Stack (Andre Sailer, Software & Computing Round Table , 4 May 2021)

WP7 Meetings

- Today Juan will update us on Key4hep
- Next Meetings after the summer
  - Doodle for planning to come
- EP R&D Seminars
  - Javier will give the next software presentation on **Efficient Analysis on 3 July**