

WP2.2 news

Piergiulio Lenzi, Alberto Annovi
26 settembre 2023

Flagship use cases

Flagship documents available at these links:

- [Quasi interactive analysis of big data with high throughput](#)
 - Tommaso Diotalevi (UniBo), Francesco Gravili (UniSalento)
- [Advanced ML: flash simulation and other bleeding edge applications](#)
 - Lucio Anderlini (INFN Fi)
- [Development of ultra-fast algorithms running of FPGAs](#)
 - Bernardino Spisso (UniNa), Simone Gennai (INFN MiB)
- [Porting of algorithms to GPUs](#)
 - Adriano Di Florio (Poliba)
- [Physics validation of reconstruction code on ARM](#)
 - Francesco Noferini (INFN Bo)

Thanks to the work of the PIs over the summer and to all of your contributions

Landscape document

- The [landscape recognition document](#) is available
 - Main editors are Piergiulio Lenzi, Alberto Annovi, and Tommaso Boccali
 - Summary of the status and directions of scientific computing in experimental HEP
- Milestone 6 ends on **August 31st**
 - the flagship documents and the landscape document complete the delivery for M6
- The next focus of the WP2.2 activity is to follow the plans the we have outlined in the flagship documents
 - with particular attention to meeting the KPIs (key performance indicators)
- We foresee presentations from 2 flagship at each biweekly WP2.2 meeting

Bi-weekly WP2 meeting



Tuesday 26 Sept 2023, 14:00 → 16:00 Europe/Rome



Alberto Annovi (Istituto Nazionale di Fisica Nucleare) , Piergiulio Lenzi (Istituto Nazionale di Fisica Nucleare)

Description Zoom link: <https://cern.zoom.us/j/61596304322?pwd=NVNxMGJQZWp0LzdZUzNUWk1rbkVGdz09>

14:00 → 14:10 **News**

🕒 10m



Speakers: Alberto Annovi (Istituto Nazionale di Fisica Nucleare), Piergiulio Lenzi (Istituto Nazionale di Fisica Nucleare)

14:10 → 14:30 **Advanced ML: flash simulation and other bleeding edge applications**

🕒 20m



Speaker: Lucio Anderlini (Istituto Nazionale di Fisica Nucleare)

14:40 → 15:00 **Simulating solid-state detectors with physics informed neural networks**

🕒 20m



Speaker: Alessandro Bombini (FI)

15:10 → 15:30 **Quasi interactive analysis of big data with high throughput**

🕒 20m



Speakers: Francesco Giuseppe Gravili (Istituto Nazionale di Fisica Nucleare), Tommaso Diotallevi (Università e INFN, Bologna)

Backup