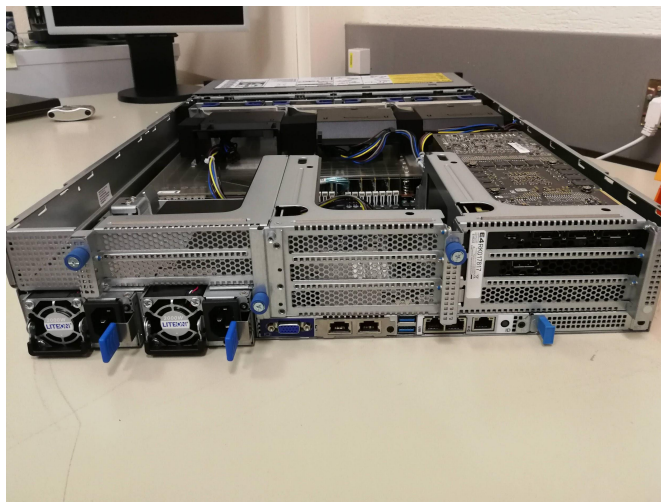# EP R&D Software

Graeme and Jakob

Personnel News

- Erica Brondolin started in the Reconstruction Calorimetry task in July

- Javier Lopez-Gomez started this month in the Analysis task

Welcome!

- Submitted an IRIS-HEP fellowship project on first RNTuple-CMSSW integration (Max Orok, former ROOT GSoC student)

- For the Faster Simulation task, Dalila Salamani will start in January 2021

Hardware News

- Machine for Simulation Task has arrived
  - Powerful GPU setup, twin NVIDIA RTX8000 GPUs
  - 128GB memory
  - 2 x AMD EPYC Rome 16 core 2.8GHz
  - Machine was checked in EP, then re-shipped to IT for installation
- Machine for Tracking Task has been ordered
  - Multi-thread, AMD Ryzen Threadripper 3970X 32 core, 64 threads 3.7GHz
  - With an NVIDIA T4 GPU
  - Purchase order was issued in July, but components were delayed
  - Expect delivery in October
- Machine for Analysis Task
  - Under discussion now with IT for procurement
  - Basic idea: lots of I/O bandwidth with PCIe 4.0 SSD RAID and 1 or 2 40GBit NICs

This Meeting and Next

- Today we look at the Turnkey stack again…

- Between now and Christmas plan to cover each of the other active projects
  - Reconstruction tracking
  - Reconstruction calorimetry
  - Analysis

- So this will be naturally one meeting in October, November, December