

LEVERHULME TRUST___

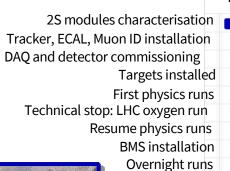


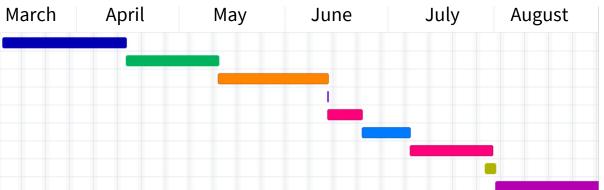
NIVERSITY LIVERPOOL

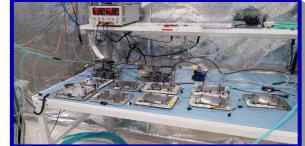


MUonE Phase 1 update

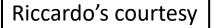


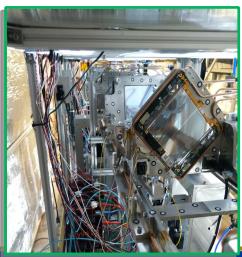












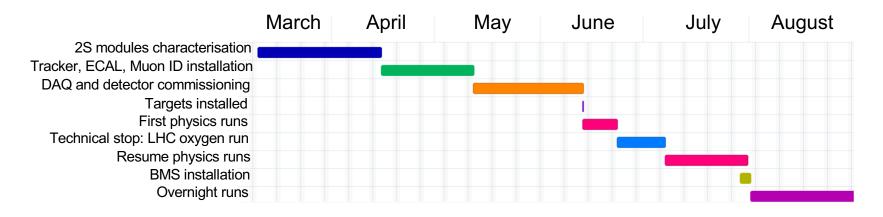


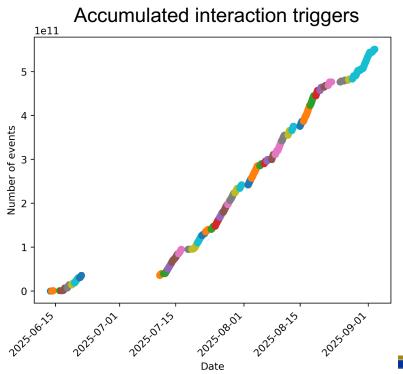




MUonE Phase 1 update







more than 5×10¹¹ interaction triggers recorded!

Riccardo's courtesy



MUonE Phase 1 update



Big thank to all the people who made the Phase 1 data collection possible.

The Liverpool contribution was fundamental for the success of the data taking:

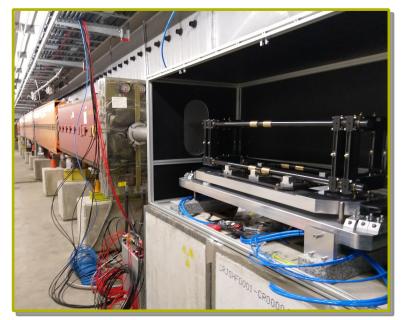
- Saskia made the first version of the online DQM;
- Giorgia assembled and tested the 2S module;
- Clement helped including the new calo and MuonID in the reconstruction;
- Riccardo did the run coordinator;
- All a lot of shifts taken!

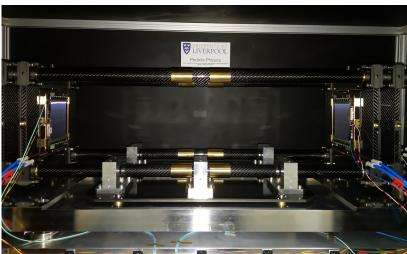


BMS installation



- The BMS has been installed during the second half of July.
- Thanks Dave, Alan, Kieran, John and the workshop!





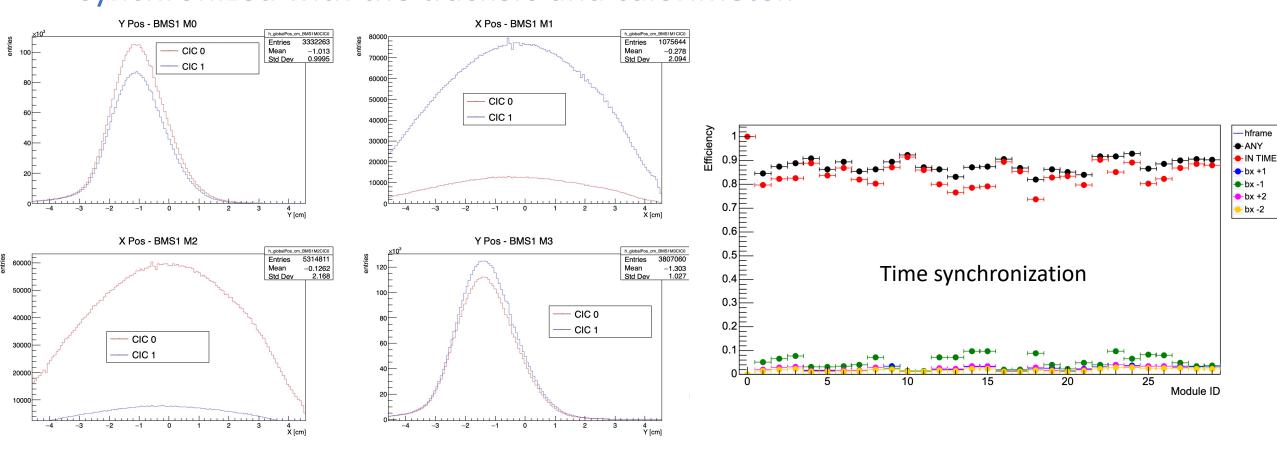




BMS: First Beam!



 The BMS has been aligned with the beam, included in the DAQ and synchronized with the trackers and calorimeter.





Tracker performance paper



- The work on the tracker performance paper has been started.
- Many people from our group have been involved, we worked on several expect as simulation (Giorgia), alignment and efficiency (Riccardo, Clement)
- We will start meeting regularly soon to make progress on this.



New members



Since the last Muon Group update 3 new members joined the MUonE

Liverpool group:







Tom

Estifa'a

Alan



Phase 1 data analysis



- Work ongoing on detector performance:
 - Developing other alignment procedure (Clement, Riccardo);
 - Improving simulation of the silicon sensors (Giorgia, Elia);
 - Checking the stability of the efficiency vs runs (Estifa'a);
 - Studying the Muon Filter performance (Cedric).
- Optimization of disk space of the reconstruction output (Katie, Clement);
- Multi-target simulation (Niels);
- Background study from simulation (Katie)
- Offline DQM and online DB (Saskia)





Thanks