

Training & Industry Relations in the DiRAC HPC Facility

Clare Jenner, Deputy Director

SC24 Atlanta, 20th November

Distributed Research using Advanced Computing

Theoretical astrophysics, cosmology, particle & nuclear physics

Memory Intensive “COSMA8” (Durham)



- CPU-based, 360 TB RAM
- Large-scale cosmological simulations



Extreme Scaling “Tursa” (Edinburgh)

- GPU-based, A100
- Large lattice-QCD simulations



Data Intensive “DIAL” (Leicester)



- Heterogeneous architecture for complex simulation and modelling workflows



Data Intensive “CSD3” (Cambridge)

- Heterogeneous architecture for complex simulation and modelling workflows



Hackathons: Joint-Industry Training

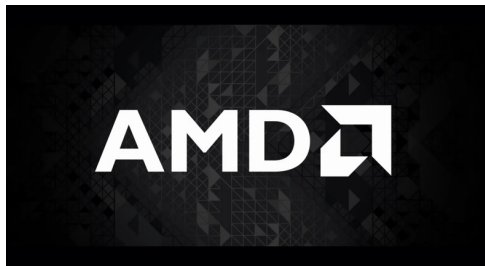
DiRAC



**oneAPI Base Toolkit
Edinburgh, May 2024**



**A100 & Grace Hopper
Durham, November 2024**



**MI300X & MI300A
London, April 2025**

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Thank You