



# ILD23

Report from UK

# Physics topics

- Flavour physics to constrain CKM matrix
- Hadron spectroscopy including resonances
- Kaon physics,  $\Delta I = 1/2$
- $g-2$  for muon
- Hadron excitations/transport for  $T > T_c$ .
- Near conformal dynamics for EWSB
- New methods for  $n_{\text{baryon}} > 0$  and nuclear matter

# UKQCD now

- Most activity in UK running either on 6144 node Bluegene/Q at Edinburgh or the (9600 cores) cluster at Cambridge University.
- Computational resources under Dirac in collaboration with Astronomers.
- Also some groups have access to local University clusters.
- No money for QCDgrid, or grid, and the key developers/managers have left Edinburgh (EPCC).
- I am trying to access configs from ldg grid

# Near term future

- Funding agency now paying for recurring costs of Dirac II, such as electricity.
- Application submitted for Dirac III for "extreme scaling" and "data intensive" architectures. .
- Waiting for decision from the Government for Dirac III, but benchmarking effort started.
- Some grid activity written into Horizon 2020 bid to EU.