

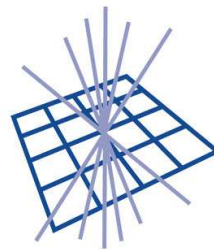
Site reports on physics plans - UKQCD Status Report

Chris Allton, Swansea University

ILDG10

UKQCD
collaboration

qcd
GRID



GridPP
UK Computing for Particle Physics

Public Release of DWF Ensembles

- Announced 21st Dec '06 to latticenews: *DWF*, $N_F=2+1$ $16^3 \times 32$, $L_s=8$ & 16

see LATFOR web site for convenience:

<http://www-zeuthen.desy.de/ape-cgi-bin/ildg-mdc.cgi?action=listEnsemble>

see BNL web site for actual config files:

<http://lattices.qcdoc.bnl.gov/>

Name	Volume	am_{sea}^{light}	$am_{sea}^{strange}$	Configs?
Ensemble1-3	$16^3 \times 32 \times 16$.01,.02,.03	0.04	Yes
Ensemble4-7	$24^3 \times 64 \times 16$.005,.01,.02,.03	0.04	No – (MetaData only)
Ensemble8-9	$32^3 \times 64 \times 16$.004 & .006	0.03	No – (MetaData only)

+ “ukqcd/astad” ensembles

- “...perhaps suggest a list of what you wish was available on the ILDG.”
 1. Correlation functions with metadata
 2. Correlation functions without metadata
 3. Quark propagators with metadata
 4. Quark propagators without metadata

But seriously – a correlation function schema...

UKQCD Grid Status

- Storage resources at eight sites:
(see map + Columbia Uni.)
- Hosts 55,000+ gauge configurations + metadata.
- Total capacity of ~70 TB (~25TB free space)
- Users – 81 from ILDG including 36 from UKQCD
- ~100 downloads/quarter of QCDgrid software from NeSCForge:
<http://forge.nesc.ac.uk/projects/qcdgrid/>
- Upgrades:
 - Metadata Catalogue d/b upgraded to eXist Ver. 1.1.
 - Authentication system to EGEE VOMS

