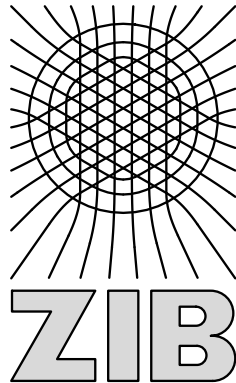


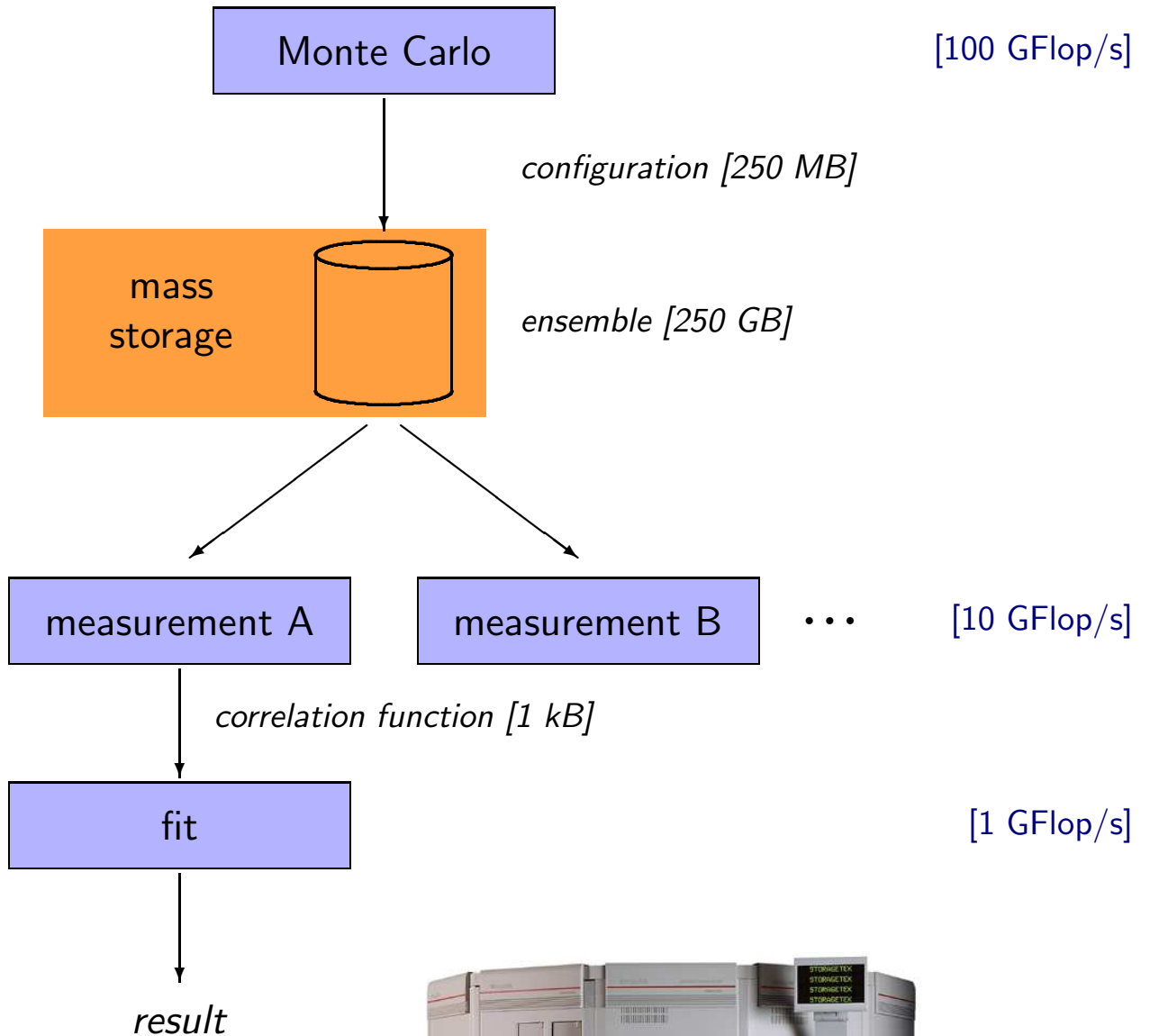
# Mass Storage Capacity for Computational Hadron Physics

Hinnerk Stüben



*13HP Topical Workshop*  
St. Andrews, Scotland  
30 August – 1 September 2004

# Computational QCD pipeline

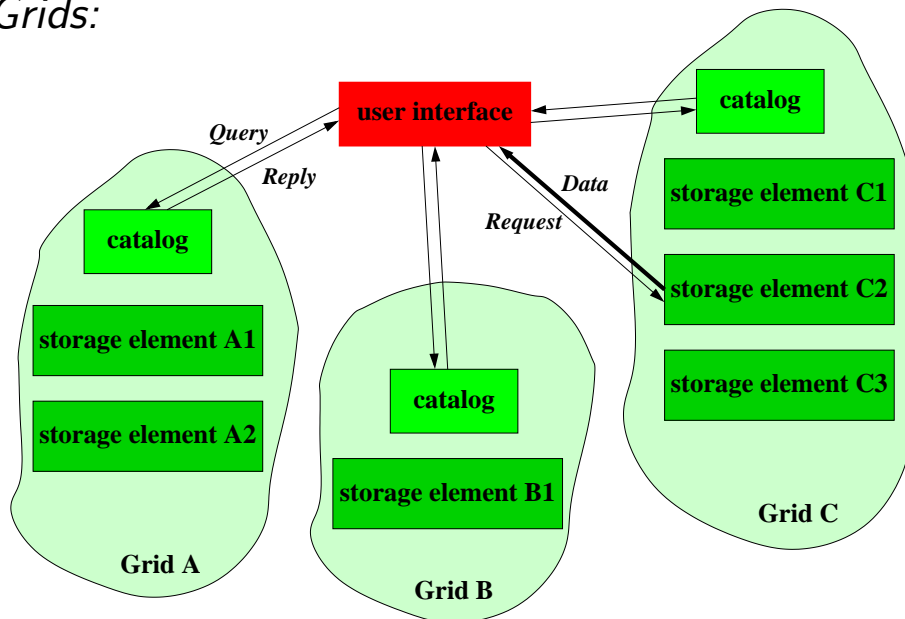


## Role in I3HP

- an *Access Activity for Computational Hadron Physics*
- sharing of configurations at a European level  
⇒ increase productivity in Computational Hadron Physics
- configurations will be brought in by
  - SESAM
  - QCDSF
  - others
- access has to be permitted by the collaborations

## Relation to ILDG

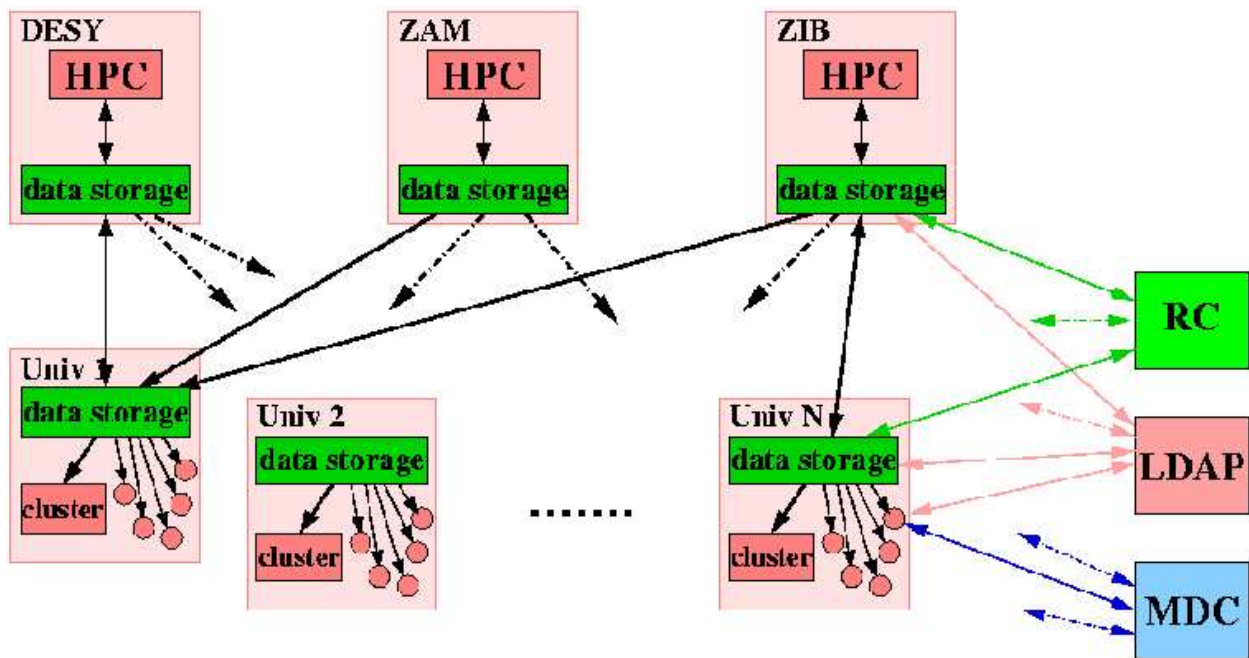
- ILDG = International Lattice DataGrid  
<http://www.lqcd.org/ildg/>
- goals:
  - develop an international datagrid for the lattice field community
  - Definition of data formats (completed)
    - \* binary data format
    - \* metadata format
- *Grid-of Grids:*



- status [from the webpage]:
  - UKQCD
  - US SciDAC
  - NERSC
  - Japan: Tsukuba
  - Germany ?
  - . . .

# LatFor DataGrid

- LatFor = Lattice Forum  
<http://www-zeuthen.desy.de/latfor/>
- cooperation of:
  - DESY (Hamburg and Zeuthen)
  - ZAM (Jülich)
  - ZIB (Berlin)



# Plan for I3HP

- the available capacity is 20 TByte
- the base software will be *dCache*  
<http://www.dcache.org/>
- base system will be in operation soon  
(demonstration at German-Japanese workshop in November '04)
- furthers steps:
  - metadata catalogue
  - user interface
  - replica catalogue
- **my most important point:**

**please use the system within I3HP!**

contact: <stueben@zib.de>