

H1 Monte Carlo Bookkeeping System

B. Heinemann, A. Mehta
University of Liverpool

How does it work?

- **User/MC representative:**
 - Generates MC file
 - registers files and enters useful information, e.g. PYTHIA, process, pthat, analysis purpose on WWW
 - Sends request to MC representative of WG
- **MC representative:**
 - Sends request to MC coordinator using WWW
- **MC coordinator:**
 - Sends request to MC site for simulation and reconstruction on WWW
- **MC site:**
 - Fulfills request
 - Registers output file on WWW (cc automatic to MC rep) including e.g. version, specific details to simulation and reconstruction (e.g. beam tilt)
- **User:**
 - Is informed by MC rep
 - Can submit bug/problem reports on WWW
 - Has access to all information on WWW (search ability included)

Technical implementation

- Registration is based on cgi-scripts
- Logfiles, file names, process, pthat cut etc. are stored in ORACLE database
- Extraction of information based on cgi-scripts
- Easy maintenance, in fact none since implementation
- Could relatively easily be adapted for CDF I think:
 - ORACLE and cgi both standard anyway
- Grid-compliant since easy for sites to register files they made

Demonstration

- Can only be seen with H1 account
- Have not access to all functionality any more (made original design and can probably get access back if I ask)
- Anyway...I'll now show you what I can
- PS: Andy Mehta (who is still H1 author) has offered to implement it if people think it's a good idea. He'll be here next week and can discuss the details with anyone who is interested.