

## Minutes of the LIM meeting, Apr 6, 2006

Present: Emil Obreshkov (ATLAS), Florence Ranjard (LHCb),  
Shahzad Muzaffar (CMS), Andreas Pfeiffer (SPI)

Apologies: Vasily Kabachenko (ATLAS), David Quarrie (ATLAS), Stefano Argiro (CMS)

Actions:

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The configuration (LCG\_42a) was released on March 29 featuring a bug fix release of root (5.10.00b fixing issues in MathLib/SMatrix reported by LHCb), RELAX 1.0.1 was rebuilt to reflect these changes, and a bug-fix release of CORAL (1.3.1).

A new configuration (LCG\_43) was released on Apr 6, this incorporates another bug fix release of root (5.10.00c, fixing issues with dcache reported by Atlas), feature releases of RELAX (1.1.0), CORAL (1.4.0) and COOL (1.3.0) and a rebuild of POOL (2.4.1 mainly to reflect the changes in the interfaces of CORAL).

Porting to SLC4 is ongoing, all the externals for LCG\_43 have now been installed in AFS and RELAX 1.1.0 and SEAL 1.8.1 has been ported and installed. The other projects will follow soon.

New issues:

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For the fortran packages in GENSER it was requested by LHCb to add the -fPIC compiler flag also to the build of object files for the static libraries. The reason for this is that C/C++ libraries which are build by linking against the present static libs of the generators give different results than if linked against the shared libs and/or the static libs with objects compiled with -fPIC. A systematic cross check for this was performed by Patrick Robbe, checking the results of shared, static and static-fPIC libs used with a C/C++ lib and a fortran main program. It turned out that the combination C/C++lib with non-fPIC static libs is the only one giving different results, all the other combinations give exactly the same results. It was decided to add the -fPIC option to the builds for future versions of GENSER.

Next meeting: May 4, 2006, 11:00.

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Action items:

new and outstanding:

- \* porting to SLC4 (ia32/amd64): needs builds/porting of CORAL, POOL, COOL
- \* gccxml-config to report the patch level
- \* create "LCGAA" pseudo-package for lcg-installation-manager.py to download the binaries of a related set of releases in one go.

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