The Generator Sub-project in the LCG Simulation Project

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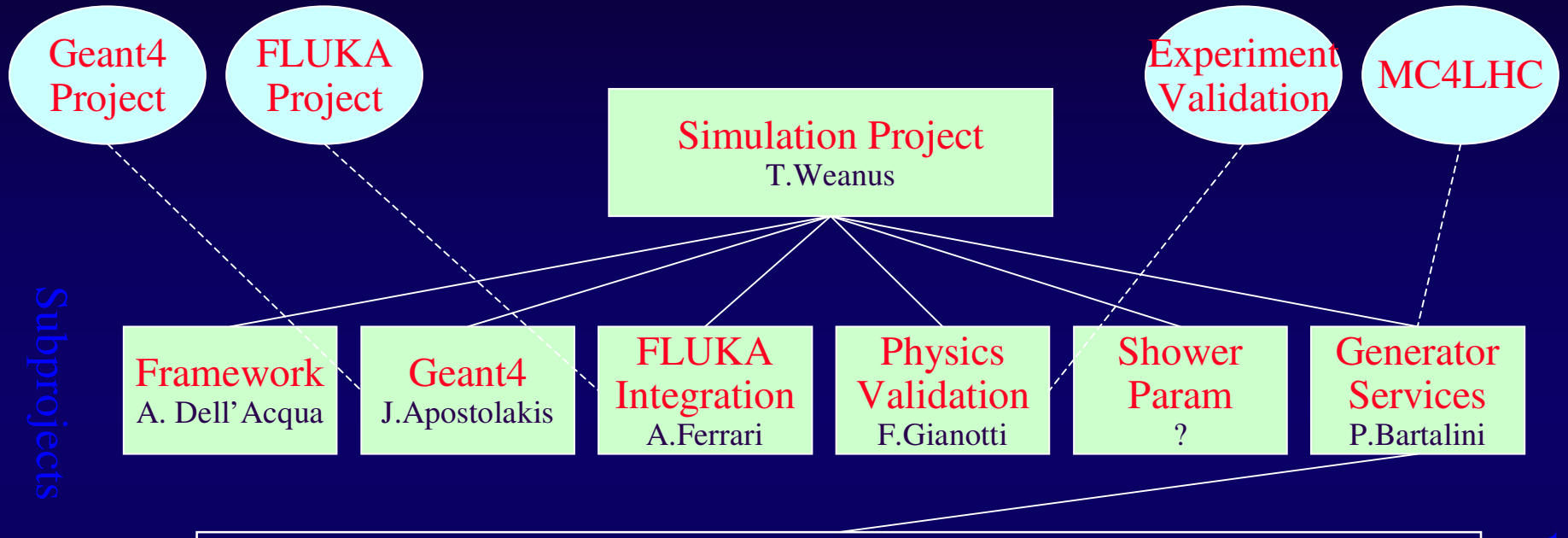
Simulation project in LCG-APP



Work packages

- -- GENERATOR LIBRARY
- -- STORAGE, EVENT INTERFACES AND PARTICLE SERVICES
- -- COMMON EVENT FILES, EVENT DATA BASE
- -- TUNING AND VALIDATION OF EVENT GENERATORS

MC generator RTAG report: http://lcgapp.cern.ch/project/simu/generator/MCGenRtag.doc

Milestones of LCG-Generator

- **ALPHA version of the generator repository (GENSER) ready by 06/30/2003**
- **BETA version of the generator repository ready by 09/15/2003**
- **MCDB in the LCG framework by 11/30/2003**

-- Resources (>1FTE) allocated by MSU and other Russian institutions participating to LCG.
-- A.Sherstnev at CERN since middle may (now leaving)
-- S.Makarichev at CERN since middle july

→Need more resources and collaborations with the LHC experiments to cover other generator work packages

GENSER: Sub-package Versions and Validation Scheme

- CVS repository.
- SCRAM release and building tool for librarian and end users.
  - Binary distribution also provided.
- All versions released by the authors will be installed.
- Version control: old versions will be maintained as long as they are required by the end users.
- Test/Validation software for new versions has to be provided by the experiments/theory groups and can be part of the GENSER sub-packages.

GENSER as a Developer Environment

- GENSER could become a development environment

  The authors of MC generators can use the GENSER CVS repository for development of the MC generators code.

  This should apply in particular to new projects!

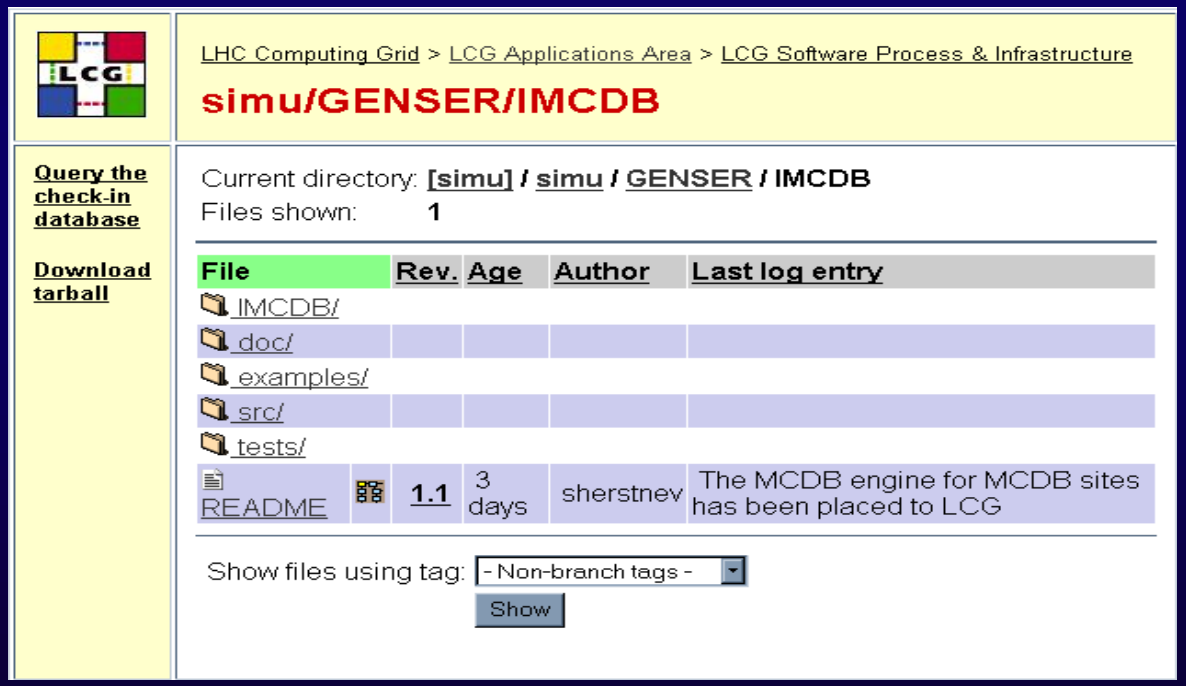
Advantages:

- MC generators authors would have a convenient environment for development (SPI Tools).
- Coding compliance to LCG rules would be guaranteed.
- Release, Feedbacks and bug fixes would speed up.

THE « NEW » PROJECTS ARE STRONGLY ENCOURAGED TO JOIN NOW!!!

LCG-Generator Progress Report

- **ALPHA version of the generator repository (GENSER) ready by 06/30/2003**



LHC Computing Grid > LCG Applications Area > LCG Software Process & Infrastructure

simu/GENSER/IMCDB

Query the check-in database

Download tarball

Current directory: [simu] / simu / GENSER / IMCDB
Files shown: 1

File	Rev.	Age	Author	Last log entry
IMCDB/				
doc/				
examples/				
src/				
tests/				
README	1.1	3 days	sherstnev	The MCDB engine for MCDB sites has been placed to LCG

Show files using tag: - Non-branch tags -

Show

First milestone of the project achieved in time!!!

LCG repository for GENSER defined (thanks to A. Aimar).

Begin to fill the repository with the available code
→ first MCDB
→ Now also Herwig, Isajet and Pythia are there.

Organisational Issues

WEB page:

http://lcgapp.cern.ch/project/simu/generator

-- links to relevant documents and to CVS repository

CDS Agenda Home > Projects > LHC Computing Grid > Physics Generators

-- minutes of meetings, slides of presentations

Applications area mailing list:

project-lcg-peb-apps@cern.ch

Meetings:

-- kick off meeting in June (mini-workshop)

-- next ones: last Thursday of the month at 5 PM

(VRVS connection in Desert room)