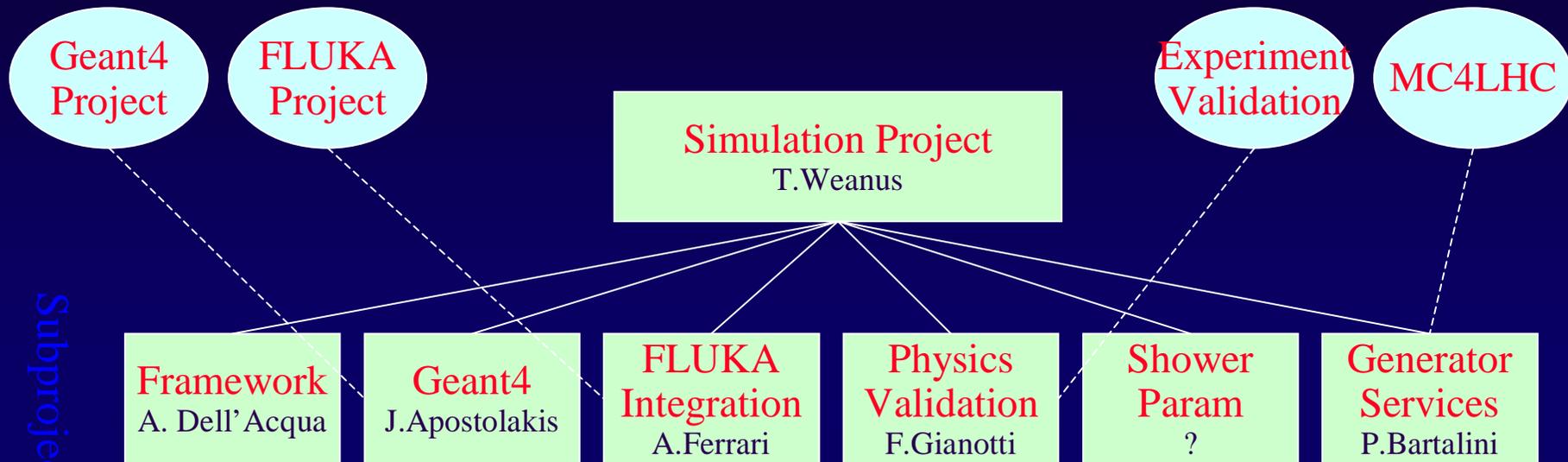




The Generator Sub-project in the LCG Simulation Project

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Simulation project in LCG-APP



Subprojects

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

Work packages

[MC generator RTAG report](http://lcgapp.cern.ch/project/simu/generator/MCGenRtag.doc): <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

The screenshot shows a web browser interface for the LCG repository. The breadcrumb path is "LHC Computing Grid > LCG Applications Area > LCG Software Process & Infrastructure". The current directory is "simu/GENSER/IMCDB". The interface shows a list of files and directories:

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

Below the table, there is a "Show files using tag:" dropdown menu set to "- Non-branch tags -" and a "Show" button.

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)