

JIRA tasks update

Weeks 16 December 2013 – 10 January 2014

Updated tasks

- [SIM-386](#) – G.Folger
 - Enhance integration testing

Completed tasks

- [SIM-108](#) – W.Pokorski
 - Extend monitoring of thin-target performance
- [SIM-311](#) – W.Pokorski
 - Evaluate possibility to extend GRID validation system to second application
- [SIM-443](#) – G.Folger
 - Addition of MacOSX-10.9/clang and SLC6/clang among tested platforms

New tasks

- [SIM-442](#) – J.Apostolakis (10.0.Jan)
 - Revised TBB example adapted to CMS Modules and its use of RunManagerKernel
- [SIM-443](#) – G.Folger (10.0.Jan)
 - Addition of MacOSX-10.9/clang and SLC6/clang among tested platforms
- [SIM-444](#) – P.Mato (10.0.Jan)
 - Scrape debug information from G4 libraries into separate file
- [SIM-445](#) – P.Mato (10.0.Jan)
 - Add string to G4RunManagerKernel to identify platform, compiler and key build options
- [SIM-446](#) – J.Apostolakis (10.0.Jan)
 - Identify unprotected do-while loops, and add protection
- [SIM-447](#) – A.Ribon (10.0.Jan)
 - Provide a 'white list' of particles that can reasonably be treated by G4

New tasks - 2

- [SIM-448](#) – V.Ivantchenko (2014/Q1)
 - Identify process creating secondary electron in galactic vacuum
- [SIM-449](#) – A.Ribon (2014/Q2)
 - Create tools to monitor reproducibility at a fine-grained level
- [SIM-450](#) – G.Folger (10.0.Feb)
 - g4svn: keep description also when not proposing the tag

Rescheduled tasks

- [SIM-147](#) – G.Folger (2013/Q4 → 2014/Q1)
 - Documentation for HEP hadronic use cases and physics lists
- [SIM-242](#) – G.Folger (2013/Q4 → 10.0.Feb)
 - Study the possibility to generate a trace-back in case of crash of a test
- [SIM-317](#) – J.Apostolakis (2013/Q4 → 10.0.Mar)
 - Make Geant4-MT compatible with experiment frameworks
- [SIM-340](#) – G.Folger (2013/Q4 → 10.0.Jan)
 - Make available a script to check out code as used in a given cdash build
- [SIM-342](#) – P.Mato (2013/Q4 → 10.0.Jan)
 - Customise Cmake build for use by ATLAS
- [SIM-350](#) – J.Apostolakis (2013/Q4 → 10.0.Feb)
 - Create advanced TBB prototype using a workspace for each active worker
- [SIM-354](#) – J.Apostolakis (2013/Q4 → Unscheduled)
 - Identify changes necessary for primary-track level parallelism

Rescheduled tasks - 2

- [SIM-369](#) – J.Apostolakis (2013/Q4 → 10.0.May)
 - Refactor G4Navigator to separate thread-dependent state
- [SIM-374](#) – J.Apostolakis (2013/Q4 → 10.0.Feb)
 - Study possibility to change position of charge particle by multiple scattering process AlongStep
- [SIM-381](#) – J.Apostolakis (2013/Q4 → Unscheduled)
 - Testing of Geant4 multi-threading
- [SIM-382](#) – J.Apostolakis (2013/Q4 → Unscheduled)
 - Create test(s) to check developments are G4MT compatible
- [SIM-383](#) – J.Apostolakis (2013/Q4 → Unscheduled)
 - Create test(s) to check for new static/global variables

Rescheduled tasks - 3

- [SIM-386](#) – G.Folger (2013/Q4 → 10.0.Jan)
 - Enhance integration testing
- [SIM-404](#) – G.Folger (2013/Q4 → 10.0.Feb)
 - Extensible physics list factory (UR-13)
- [SIM-427](#) – G.Folger (2013/Q4 → 2014/Q2)
 - Allow ctest setup to be versioned
- [SIM-433](#) – J.Apostolakis (2013/Q4 → 10.0.Jan)
 - Address issue of particle going far outside ATLAS
- [SIM-434](#) – P.Mato (10.0.Feb → 10.0.Jan)
 - CMake configuration: Accomodate need data directory per ATLAS release