JIRA tasks update

Weeks 17 April – 15 May 2018

Updated tasks

- SIM-366 – A.Ribon
  - o Grid validation of Geant4
- SIM-607 – J.Apostolakis
  - o Check Fatras use of Geant4 Hadronic Interaction as 'Generator'
- SIM-668 – V.Ivantchenko
  - o Create a new G4NEUTRONXSDATA with proton data inside
- SIM-703 – V.Ivantchenko
  - o Tuning of lateral displacement in the Urban model
- SIM-706 – V.Ivantchenko
  - o Add unit tests for regular testing suite
- SIM-709 – V.Ivantchenko
  - o New model of ion ionization
- SIM-713 – A.Ribon
  - o Rates of tau-, c- and b-hadron nuclear interactions in the FCC tracker
- SIM-714 – A.Ribon
  - o Geant4 hadronics for very heavy targets
- SIM-717 – A.Ribon
  - o Light-ion production by ~1 GeV pion interactions in the beam-pipe and Tracker
- SIM-718 – J.Apostolakis
  - o Different tracking between sequential and single-threaded simulation in ATLAS

Completed tasks

- **SIM-592** – G.Folger
  - Migrate Geant4 web pages to Drupal
- **SIM-593** – G.Folger
  - Web migration: G4 Tags database and Web Interface
- **SIM-594** – G.Folger
  - G4 web migration: mirror of web site
- **SIM-663** – G.Folger
  - Import existing pages using importer tool
- **SIM-664** – G.Folger
  - Create drupal pages listing collaborators, working groups, etc.
- **SIM-665** – G.Folger
  - Evaluate how to handle generated web pages
- **SIM-698** – G.Folger
  - Update pages updated in old web since workshop
- **SIM-699** – G.Folger
  - Create events and news
- **SIM-704** – V.Ivantchenko
  - Migrate EM testing suite to EOS and ROOT6
- **SIM-712** – G.Folger
  - Release build: remove requirement on AFS for building/installing releases or reference tags

New tasks

- [SIM-718](#) – J.Apostolakis (10.4.May)
  - Different tracking between sequential and single-threaded simulation in ATLAS
- [SIM-719](#) – V.Ivantchenko (10.4.Jun)
  - Review list of Geant4 particles and add EM physics to all

Rescheduled tasks

- [SIM-607](#) – J.Apostolakis (10.4.Apr ↦ 10.4.May)
  - Check Fatras use of Geant4 Hadronic Interaction as 'Generator'
- [SIM-668](#) – V.Ivantchenko (10.4.Apr ↦ 10.4.May)
  - Create a new G4NEUTRONXSDATA with proton data inside
- [SIM-697](#) – J.Apostolakis (10.4.Apr ↦ 10.4.Jun)
  - Examine G4AtlasRK4 to ensure correct momentum and field value
- [SIM-703](#) – V.Ivantchenko (10.4.Apr ↦ 10.4.May)
  - Tuning of lateral displacement in the Urban model
- [SIM-706](#) – V.Ivantchenko (10.4.Apr ↦ 10.4.Jun)
  - Add unit tests for regular testing suite