JIRA tasks update

Weeks 8 October - 12 November 2019

Updated tasks

- [SIM-366](#) – A.Ribon
  - o Grid validation of Geant4
- [SIM-735](#) – G.Folger
  - o Start looking into Drupal 8
- [SIM-765](#) – G.Folger
  - o Integration Testing, move to recent software versions
- [SIM-767](#) – G.Folger
  - o Integration testing: review/update platforms
- [SIM-768](#) – J.Apostolakis
  - o Reversed points when advancing integration during field propagation

Completed tasks

- **SIM-722** – G.Folger
  - Reduce/remove the use of AFS for installations, web, dev tools, etc...
- **SIM-724** – G.Folger
  - Migrate web tools on geant4-tools.web.cern.ch OFF of AFS
- **SIM-740** – A.Ribon
  - Using INCLXX only in one region (e.g. ALICE Tracker) while using BERT elsewhere
- **SIM-753** – V.Ivantchenko
  - Extension of gamma conversion to muon pair model down in energy to cover the full energy range
- **SIM-763** – D.Sorokin
  - Better cope with looping tracks
- **SIM-769** – V.Ivantchenko
  - Provide an option to upload all data on nuclear levels before the first event
- **SIM-770** – V.Ivantchenko
  - G4ElasticHardNuclearHE class clean-up

Rescheduled tasks

- [SIM-607](#) – J.Apostolakis (10.5.Oct ↦ 10.5.Dec)
  - o Check Fatras use of Geant4 Hadronic Interaction as 'Generator'
- [SIM-687](#) – J.Apostolakis (10.5.Oct ↦ 10.6.Jan)
  - o Extend testing of EM shower shape with more realistic geometries and more angles
- [SIM-690](#) – J.Apostolakis (10.5.Oct ↦ 10.6.Jan)
  - o Create realistic setup for testing of EM showers in ATLAS EM-Barrel geometry
- [SIM-735](#) – G.Folger (10.5.Oct ↦ 10.6.Feb)
  - o Start looking into Drupal 8
- [SIM-743](#) – M.Novak (10.5.Oct ↦ 10.5.Dec)
  - o Introduction of detailed test of stepping for EM calorimeters triggered by ATLAS
- [SIM-748](#) – M.Novak (10.5.Oct ↦ 10.5.Dec)
  - o New single scattering model for e+- based on ELSEPA (numerical Dirac-Fock PWA)
- [SIM-760](#) – G.Folger (10.5.Oct ↦ 10.5.Dec)
  - o Migrate to new jenkins server
- [SIM-765](#) – G.Folger (10.5.Oct ↦ 10.5.Nov)
  - o Integration Testing, move to recent software versions
- [SIM-767](#) – G.Folger (10.5.Oct ↦ 10.5.Nov)
  - o Integration testing: review/update platforms
- [SIM-768](#) – J.Apostolakis (10.5.Oct ↦ 10.5.Nov)
  - o Reversed points when advancing integration during field propagation