

GlastRelease v15r51p1

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System Tests Report Summary

Some differences for comparison with previous release, [GR v15r50](#). These are minor and suggest that the changes to the G4 packages have probably caused the specific details of the event generation in the instrument to fluctuate (the input particles appear unchanged). The changes made to the G4HadronSim package are for the LPM physics update, but the options used for the system tests do not select this and so there should not be any LPM-related differences in these tests. The systests use by default Physics List = GLAST.

Changes

- CRflux - test program generates complete spectrum
- G4Generator - updates for LPM option
- G4HadronSim - include LPM, but leave alpha interactions off