

- G4Run(we will get back to this at the OptionalUserActions):
 - G4Rums a collection of G4Events (a G4Events a collection of G4Tracks)
 - during a run, events are taken and processed one by one in an event-loop
 - before the start of a run i.e. at run initialisation (G4RunManager::Initialize()): the geometry is constructed and physics is initialised
 - at the start of a run (G4RunManager::BeamOn()): the geometry is optimised for tracking (voxelization), physics tables are built, then event processing starts i.e. entering into the event-loop
 - as log as the event processing is running, i.e. during the run, the user cannot modify **neither the geometry** (i.e. the detector setup) **nor the physics** settings
 - they can be changed though between run-s but the **G4RunManager**eds to be informed (re-optimise or re-construct geometry, re-build physics tables):
 - if the geometry has been changed, depending on the modifications:
 - GeometryHasBeenModified()re-voxelization but no re-Construct
 - ReinitializeGeometry() complete re-Construct

or with the UI commands /run/geometryModified or /run/reinitializeGeometry

- same for the physics: PhysicsHasBeenModified() or /run/physicsModified
- we will get back to this when our application can run and produce information

