

Review of Open Problem Reports

Geometry WG

Transportation & Navigation

- [#2047](#)

- *The particles stop in world volume by G4UserSpecialCuts process without depositing their kinetic energy*
- Particles by a special cuts process are stopped, when a particle kinetic energy goes beyond the energy limit (as in G4UserLimits), without depositing the remaining kinetic energy. This happens when the special cuts process is invoked in the world volume. A patch is provided reproducing the problem with the basic B4a example. K.Amako believes the problem is in the Transportation when trying to transport a particle with zero step length. [Last reply: April 2018](#)

- [#2561](#)

- *G4PhantomParameterisation producing nans in sensitive detector when running SetRegularStructureID(1)*
- After modifying example RE01 to use G4phantomparameterisation instead of nested parameterisation nans are produced in the sensitive detector if applying SetRegularStructureID(1). [Created: September 2023](#)

Solids

- [#2547](#)
 - *G4GenericTrap returns overestimated safety*
 - G4GenericTrap in most of cases returns an overestimated safety
- Under investigation. [Created: June 2023](#)