

CUSP GEANT4 status

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Items lists

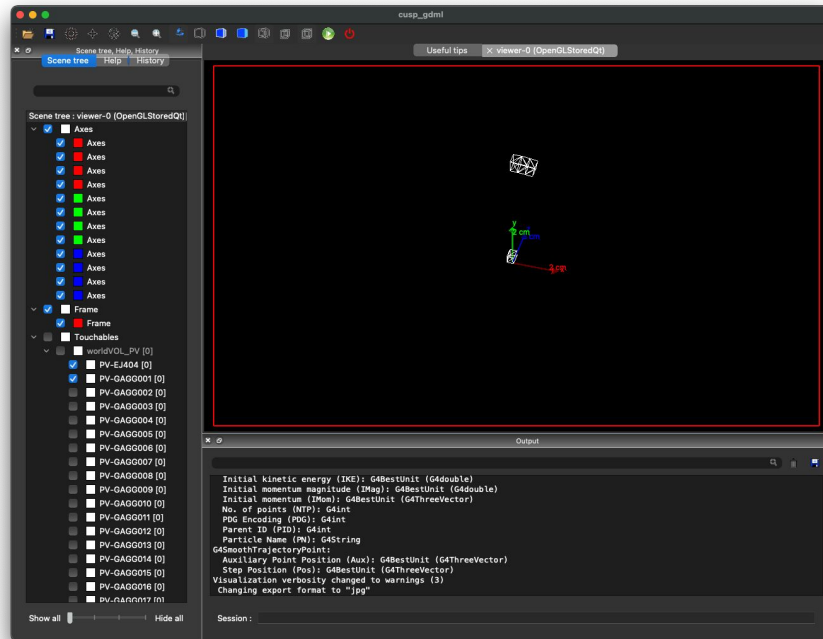
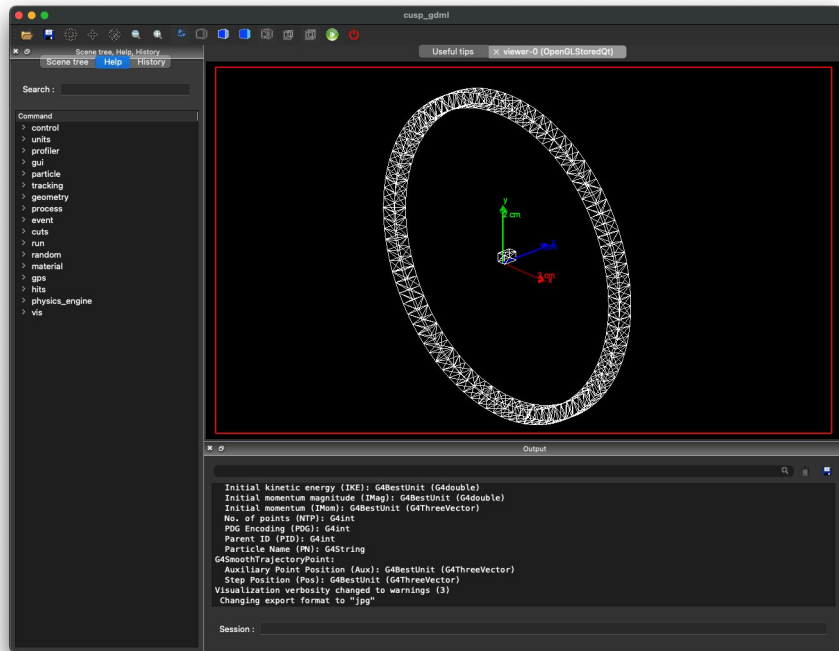
Done (results stored in the shared Google Drive GEANT4CUSP)

- a) Basic tests of the Monte Carlo code
- b) github repo organized with a directory (*send_box*) for user contribution (to avoid conflicts)
- c) Parallel 60 keV beam with 100 % polarized and unpolarized photons
- d) Comparing unpolarized physic list with polarized with $p = (0,0,0)$ -> same results, as expected
- e) Point like 60 keV beam impinging on one detector (see the screenshot)

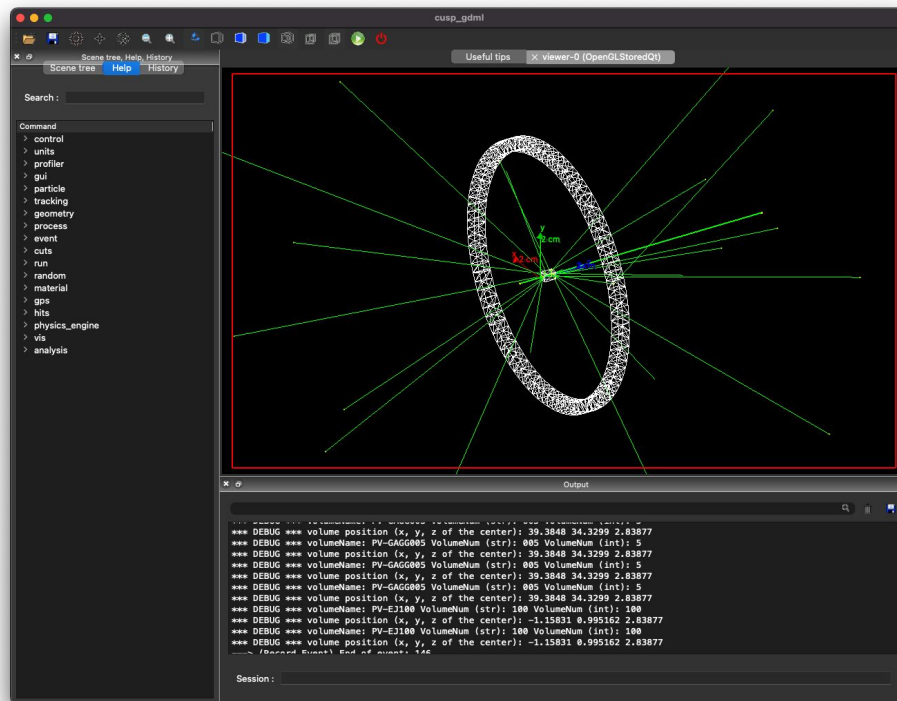
To Do (coming soon...)

- a) Toy model (gdml integration)
- b) Test of different physics list (as suggested by Riccardo)
- c) Better organization of the archive and data (file naming, fit header, etc...)

Toy model (GEANT4 GUI) - *toy_model* git branch



GEANT4 tracking: 60 keV photons point like beam



Coming soon (by tomorrow)

- Toy model v1,2,3 events data release (one for each detector position on Google drive)
- Quick look
- Data analysis