

GRANDSim: a novel Geant 4 based simulation software for HPGe detectors in use at CTBTO monitoring stations

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- Geant4 simulation of HPGe detectors
- Backend in C++ / Frontend in PyQt
- Covers all CTBTO detectors/ geometries
- Automatic detector model optimization
- Supported input modes:
 - Database connection
 - Standalone
- Simulated entities:
 - Detection efficiency
 - Isotope response function
 - Cascade summing corrections
 - Spectra for any source term



Session: Low level γ -ray spectrometry (LLGS)