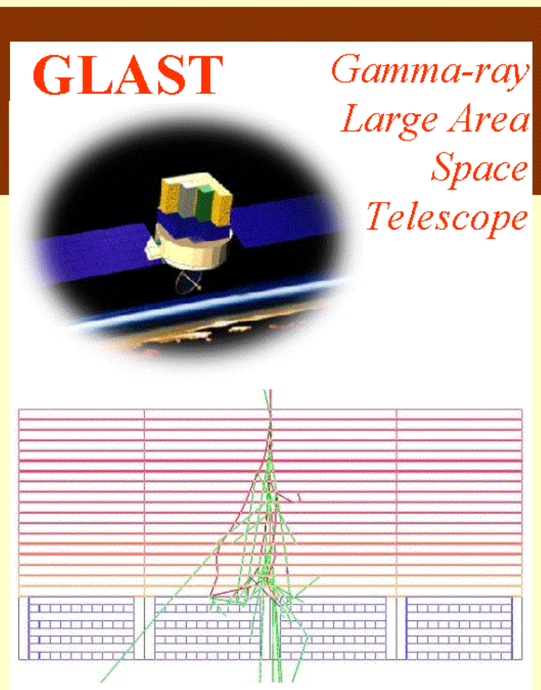
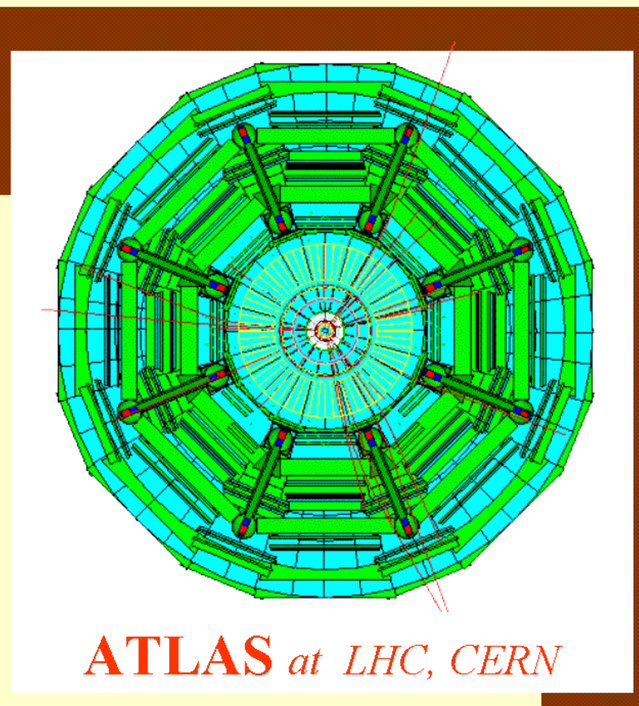
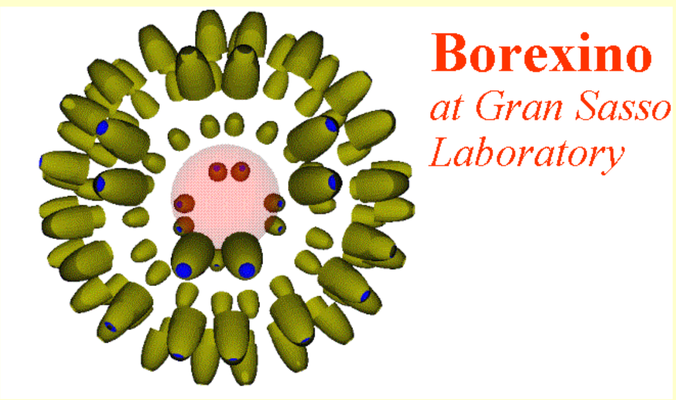
http://cern.ch/geant4

Geant 4

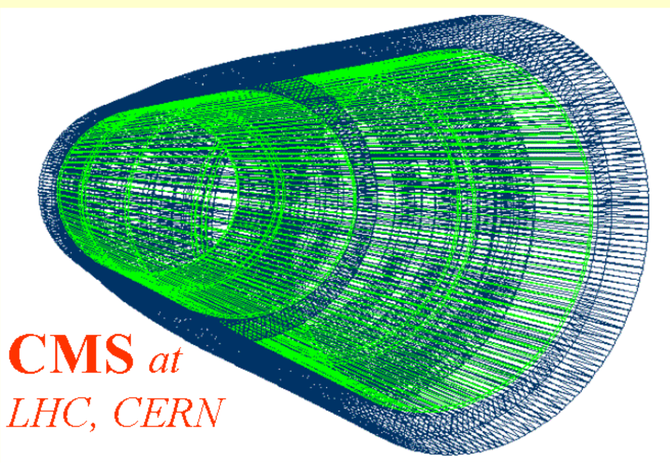


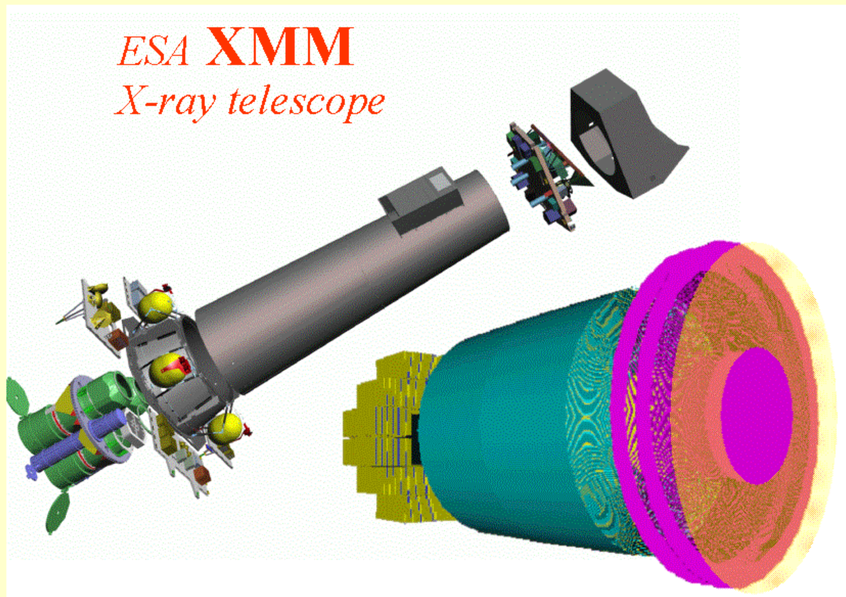
Geant 4 is a toolkit for the simulation of the passage of particles through matter.
It has been developed and maintained by a world-wide Collaboration of approximately 100 scientists.

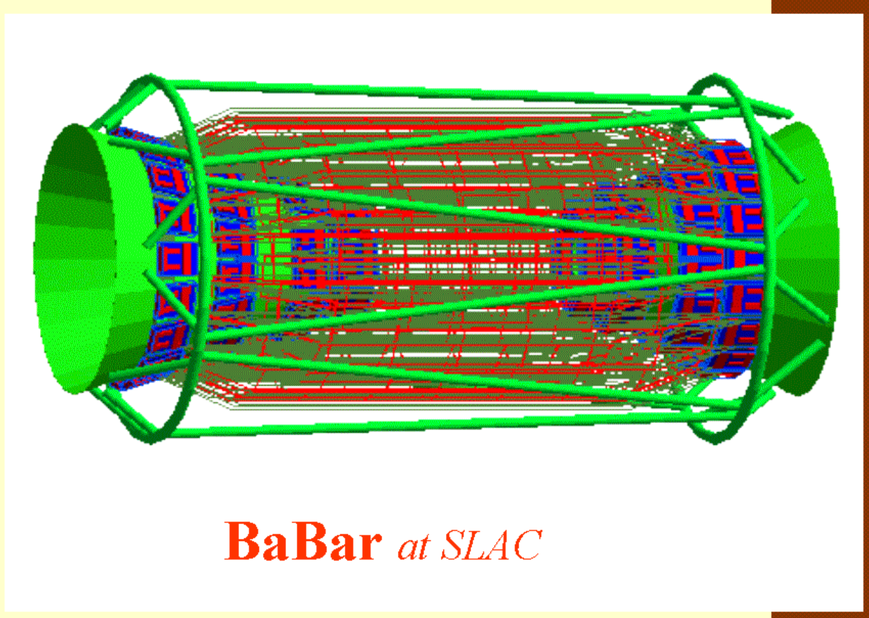


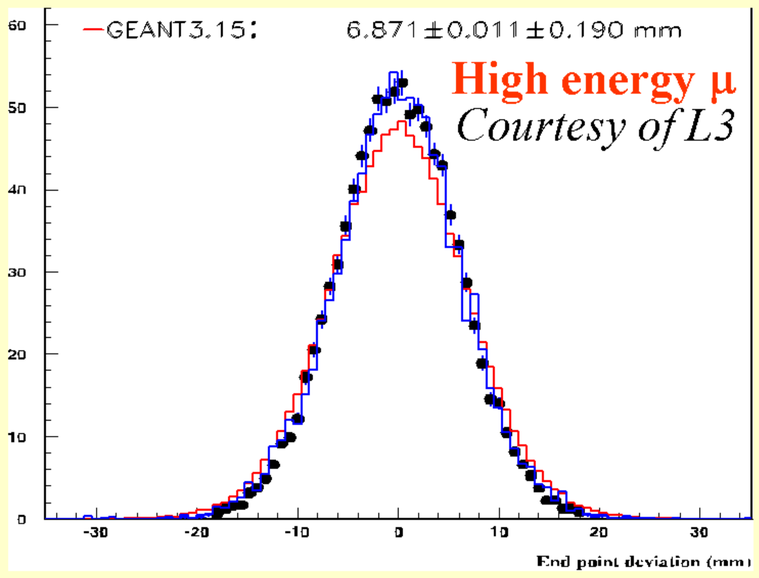


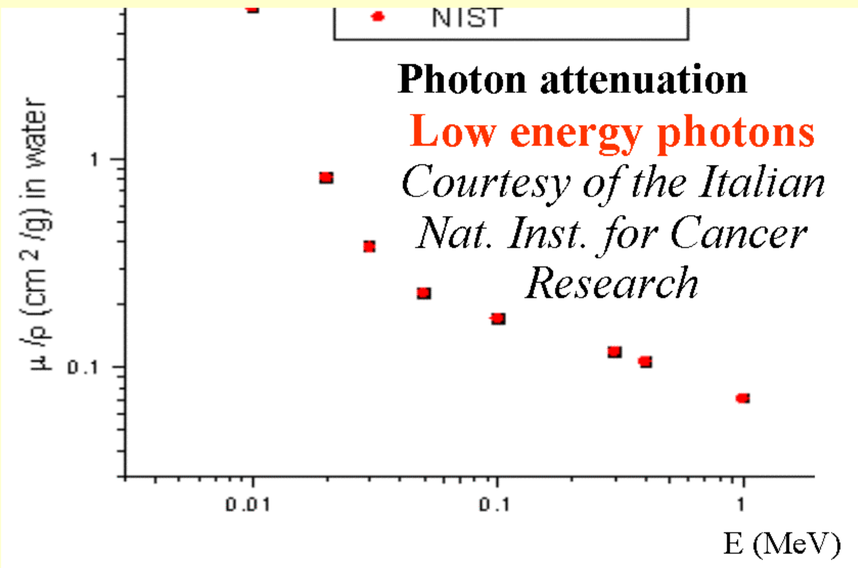
Its application areas include
high energy physics, astrophysics and nuclear physics
experiments, medical, accelerator and space science studies.

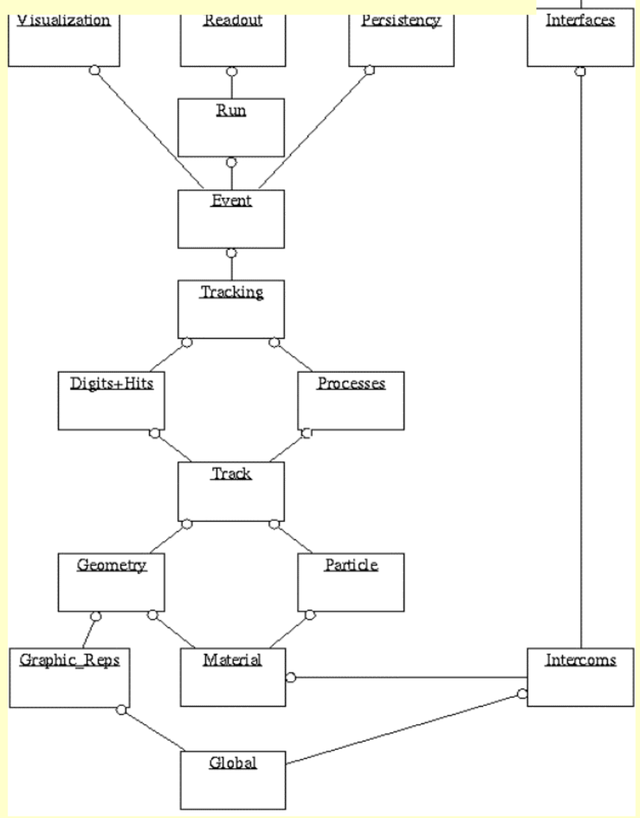




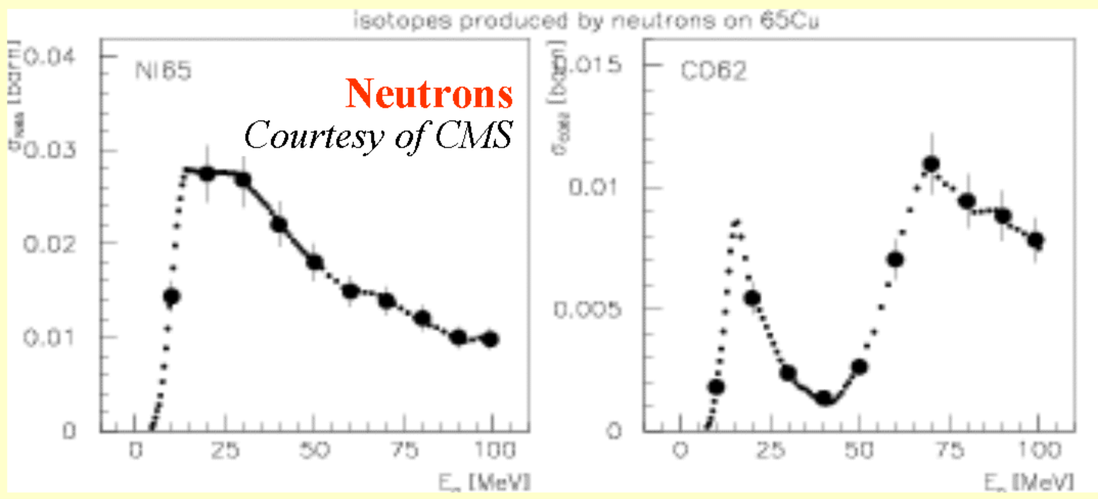


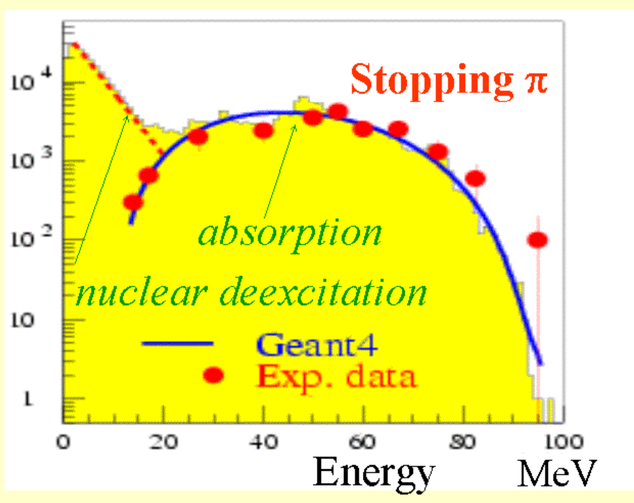






An abundant set of Physics Processes handle the diverse interactions of particles with matter across a wide energy range.





Geant 4 exploits advanced Software Engineering techniques and Object Oriented technology to achieve transparency of physics implementation.

Budker Inst. of Physics IHEP Protvino MEPHI Moscow Pittsburg University