I'm not robot	2
	reCAPTCHA
Continue	

## Geant4 physics list guide

PhysicsListGuide It is the former Geant4 default [eal09]. The purely hadronic part of this physics list consists of elastic, inelastic, capture and fission processes. Each process is built from a set of cross section sets and interaction models which provide the detailed physics implementation. The inelastic hadron-nucleus processes are implemented by the quark-gluon model (QGS), the Fritiof parton model (FTF), Bertini and Precompound models.

## Alternative EM Physics Lists Up to now, most physics lists mentioned have used the "standard" EM processes, □ G4EmStandardPhysics - default ☐ G4EmStandardPhysics\_option1 — HEP, fast but not precise □ G4EmStandardPhysics\_option2 - experimental □ G4EmStandardPhysics\_option3 - medical, space but several "low energy" EM builders are available □ G4EmLivermorePhysics □ G4EmLivermorePolarizedPhysics □ G4EmPenelopePhysics ☐ G4EmDNAPhysics ☐ These are recommended for low energy EM & radiobiology applications For examples using the « DNA » physics list, go to geant4/source/examples/advanced/dnaphysics geant4/source/examples/advanced/microdosimetry

The Bertini intranuclear cascade is responsible for \(p, n, \p\) \cdot \-\,\ K^-\,\ K^

other hadrons the G4HadronElastic model is used for some or all of the energy range. This model is a two-exponential momentum transfer model updated from the old Cheisha code.
It is used at all energies by kaons, hyperons, deuterons, trivions, (^3)He, alphas and anti-alphas, G4HadronElastic is used from 0 to 100 MeV/n. Above 100 MeV/n. Above 100 MeV/n. these particles are handled by the G4AntiNuclElastic model. There is currently no elastic scattering model for nuclear projectiles with ((A > 4)). incident projectiles with ((A > 4)). Neutron Capture uses the G4NeutronRadCapture model with the G4ComponentGGNuclNuclXsc elastic cross sections are available for projectiles with ((A > 4)). Neutron capture uses the G4NeutronRadCapture model with the G4PoutronCaptureXS cross sections. Making inferences multiple choice worksheets high school Muon capture or decay at rest is handled by the G4BunonMinusCapture process. The capture of anti-p, anti-d, anti-1, anti-3He, anti-alpha is handled by the G4BunonMinusCapture process. The capture of anti-p, anti-d, anti-t, anti-3He, anti-alpha is handled by the G4BunonMinusCapture process. The capture of anti-p, anti-d, anti-t, anti-3He, anti-alpha is handled by the G4BunonMinusCapture process. The capture of anti-p, anti-d, anti-t, anti-3He, anti-alpha is handled by the G4BunonMinusCapture process. The capture of optical photons in this physics constructor. It is implemented for (\( \text{ yaum m\_A}\) \( \text{ yau m\_A}\) \( \tex