



Introduction to Physics Lists parallel session

- **Physics Lists as distributed today haven't appropriate user support, while to create an adequate set of Geant4 Physics users need:**
 - examples how to properly use released processes (**not α -versions!**)
 - examples for general rules (**e.g. Particle Revolution or energy limits**)
 - big blocks of physics (**EM, hadronic, gamma-A, stopping, elastic etc.**)
- **Different sets of Physics Lists with their own Web Sites:**
 - Reference Physics Lists (G.Folger) – released with Geant4 Kernel
 - SLAC Physics Lists (D.Wright) – for BaBar, ILC, and astrophysics
 - Physics Lists of advanced examples (M.G.Pia) – medical applications
- **Analysis and proposals for upgrading of centralized Physics Lists:**
 - Experimental Physics List QBBC (V.Ivanchenko) – new combination
 - Current problems with Physics Lists (G. Cosmo) – configuration
 - Unified In Kernel Physics Lists (M.Kosov,2005) – prototype solution
- In our **discussion** we should find a centralized solution for support of Physics Lists, which covers approved processes for a particular version of Geant4 and generalizes **different sets of Physics Lists**.