

Neutron		Proton, Pion (other hadrons)		Nucleus	Muon	e ⁻ / e ⁺	Photon
200 GeV		100 GeV/n				100 GeV	100 GeV
Intra-nuclear cascade (JAM) + Evaporation 3.0 GeV (GEM)		Quantum Molecular Dynamics (JQMD) + Evaporation (GEM) 10 MeV/n		Virtual Photo- Nuclear JAM/ JQMD + GEM 200 MeV	Atomic Data Library (EEDL / ITS3.0 / EPDL97) or EGS5 1 keV	Atomic Data Library JENDL-4. 0 / EPDL97 or EGS5 1 keV	Photo- Nuclear JAM/ QMD + GEM + JENDL 2 MeV
Intra-nuclear cascade (INCL4.6) + Evaporation 20 MeV (GEM)		d t ³ He α					
Nuclear Data Library (JENDL-4.0) 10 ⁻⁵ eV		1 MeV		Ionization SPAR or ATIMA			
		1 keV					