

Models to be available in GEANT4

Table 1.2: Applicability of hadronic models as a function of bombarding energy. Direct applicability is marked by X. Next order indirect applicability is marked by XX etc.

Bombarding	> 20	> 100 – 200	> 800 – 1000	> 5 – 500	> 500
energy	MeV/A	MeV/A	MeV/A	GeV/A	GeV/A
Nucleus					
De-excitation models:					
Equilibrium	XX	XX	XX	XXXX	XXXX
Evaporation		XXX	XXX	XXXXX	XXXXX
Light Nucleus	XX	XX	XX	XXXX	XXXX
Multi-fragmentation		XXX	XXX	XXXXX	XXXXX
Symmetric and	XX	XX	XX	XXXX	XXXX
Asymmetric Fission		XXX	XXX	XXXXX	XXXXX
Heavy Nucleus	XX	XX	XX	XXXX	XXXX
Multi-fragmentation		XXX	XXX	XXXXX	XXXXX
Intra-nuclear					
Transport		X	X	XX	XX
Pre-equilibrium Exciton	X	XX	XXX	XXXX	
Pomeron Pomeron					
String Model:				X	X