

Abbreviations

NLD (Nuclear level density)

γ -SF (γ -ray strength function)

HFB (Hartree-Fock-Bogoliubov)

CN (Compound nuclear)

OMPs (Optical Model Potentials)

DR (Direct Reactions)

PEQ (Pre-equilibrium)

HF (Hauser-Feshbach model)

mb (milli barn)

MCA (multi-channel analyzer)