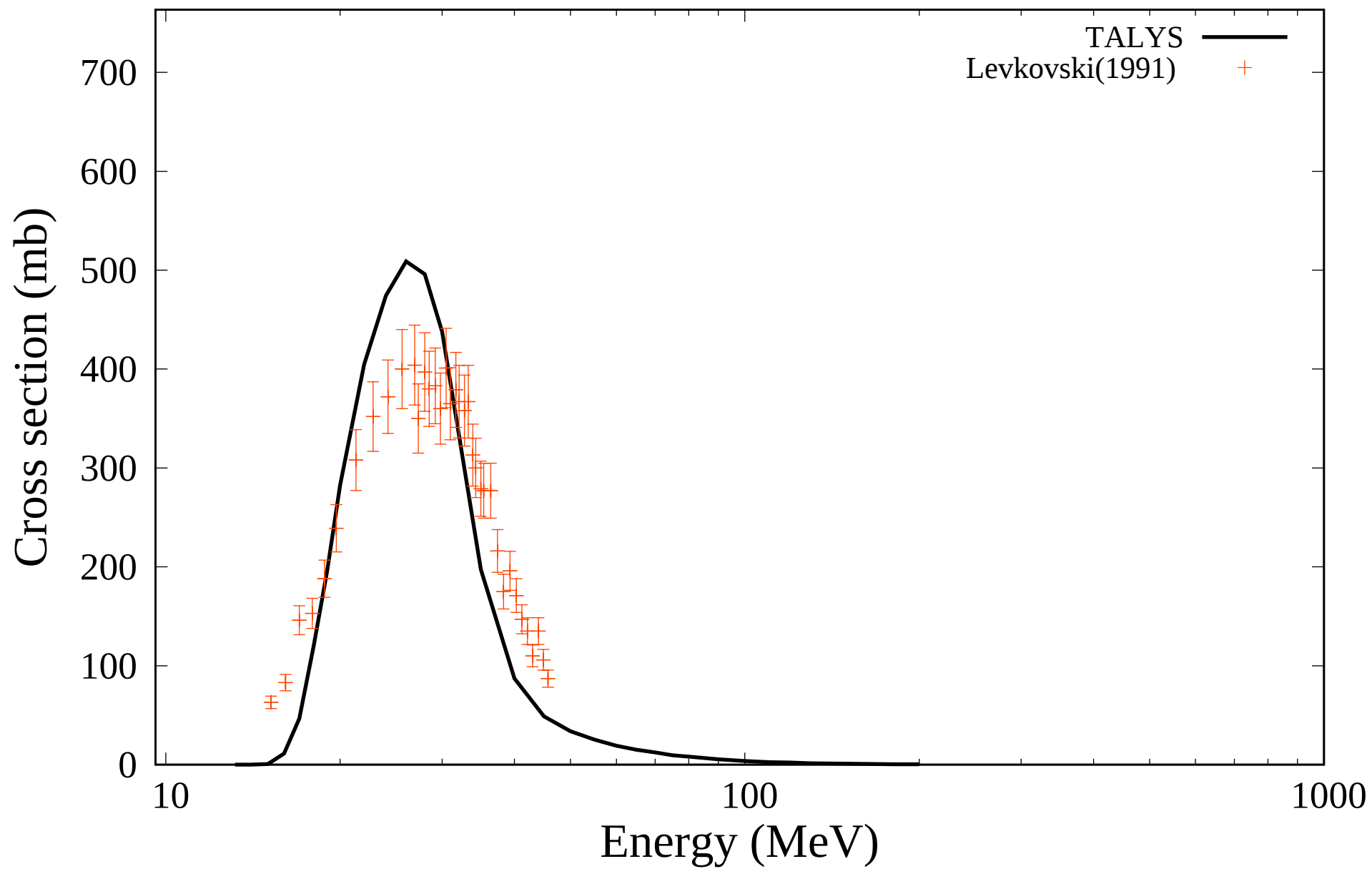
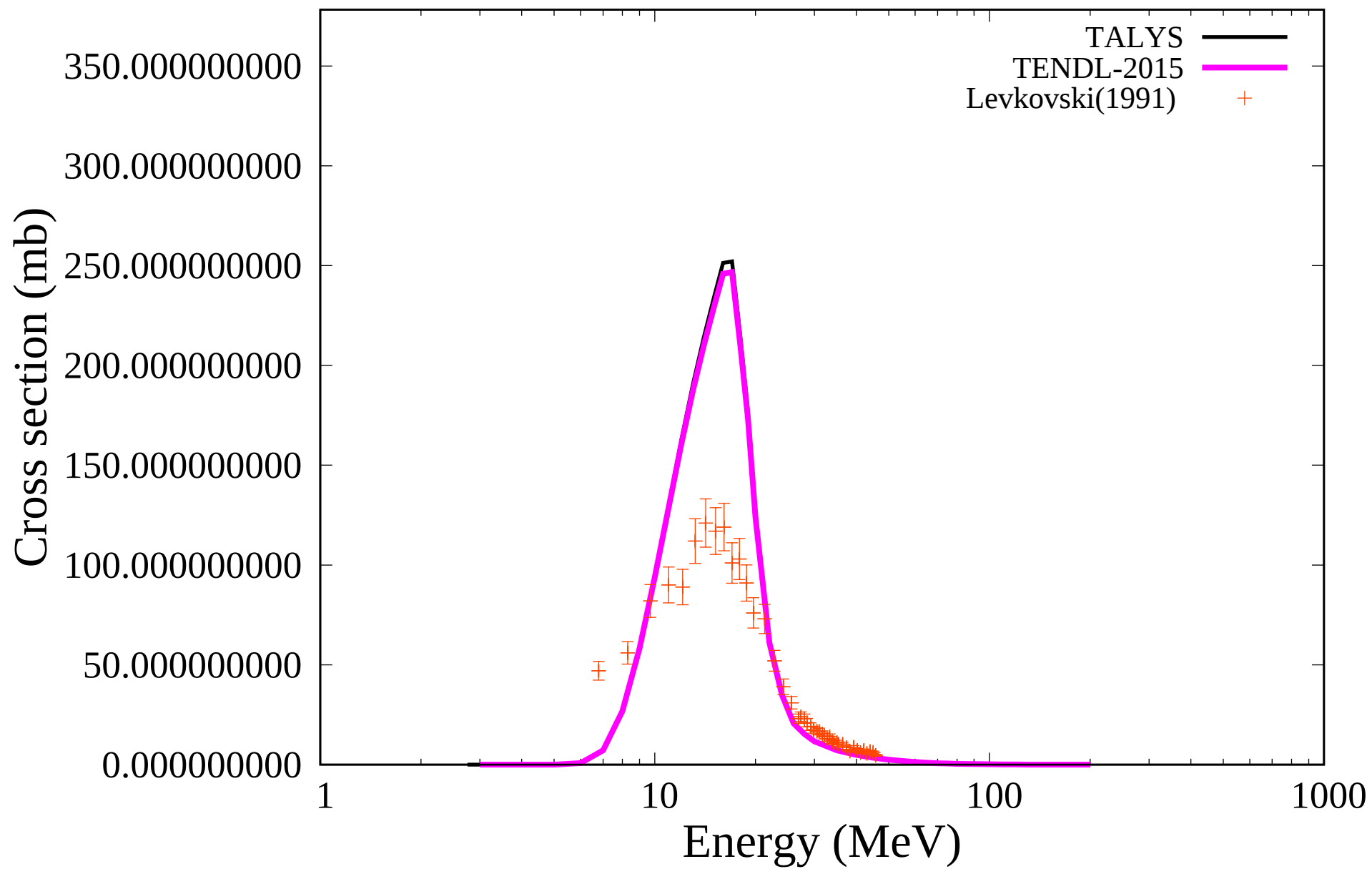
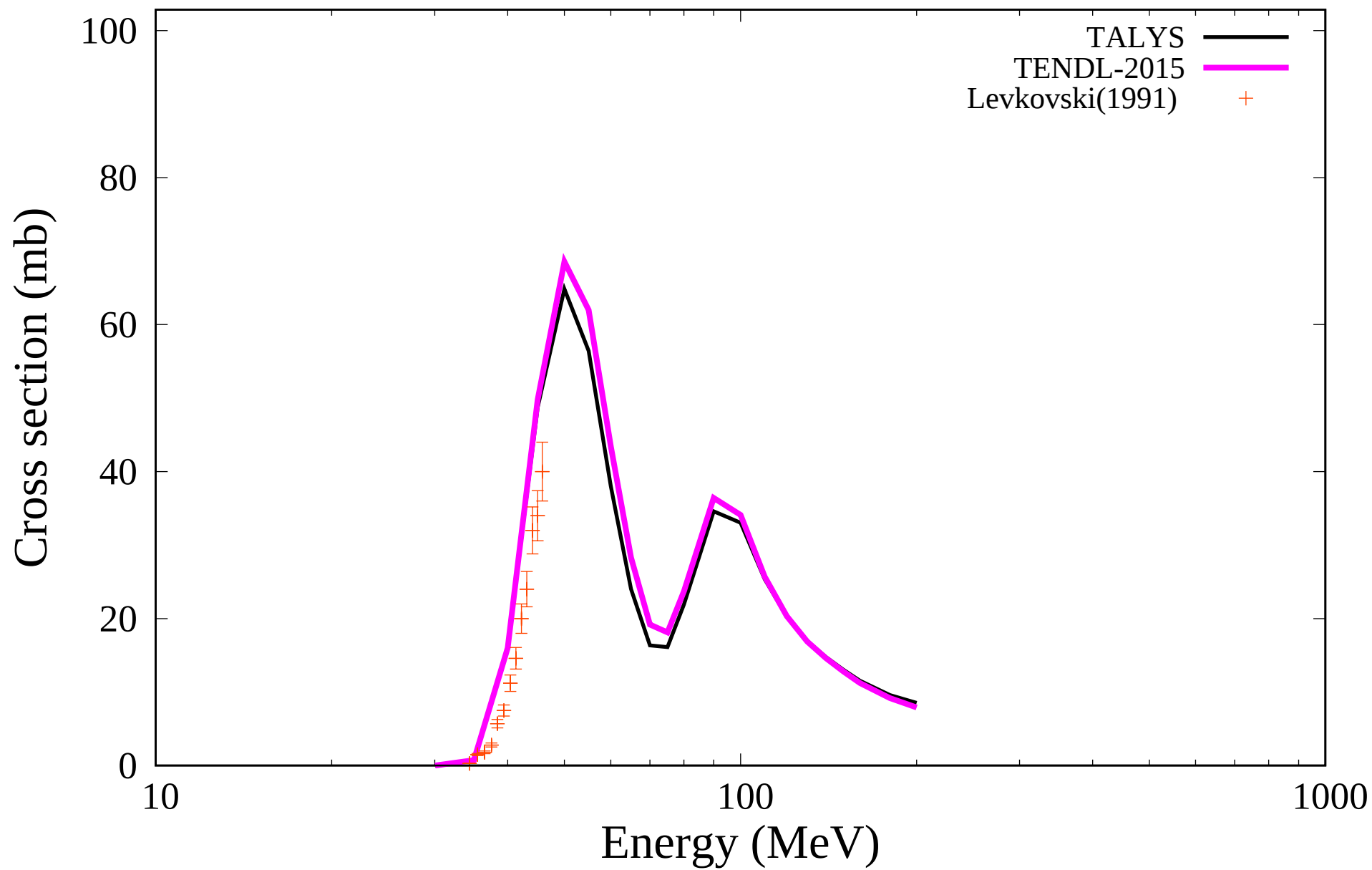
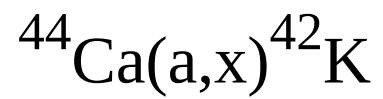


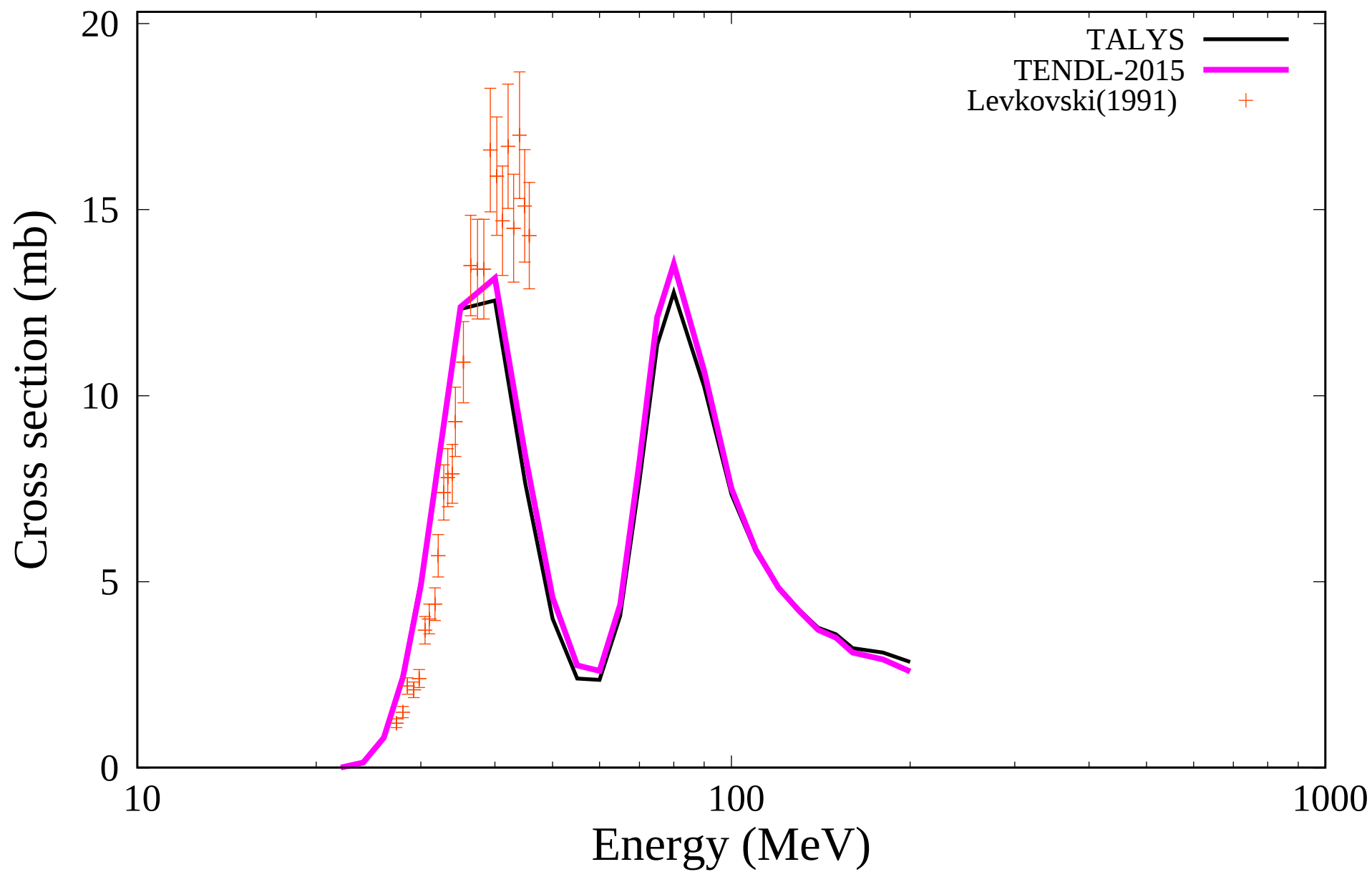
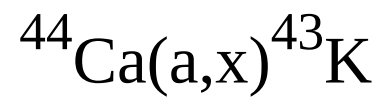
$^{44}\text{Ca}(\text{a},\text{np})^{46}\text{Sc}$

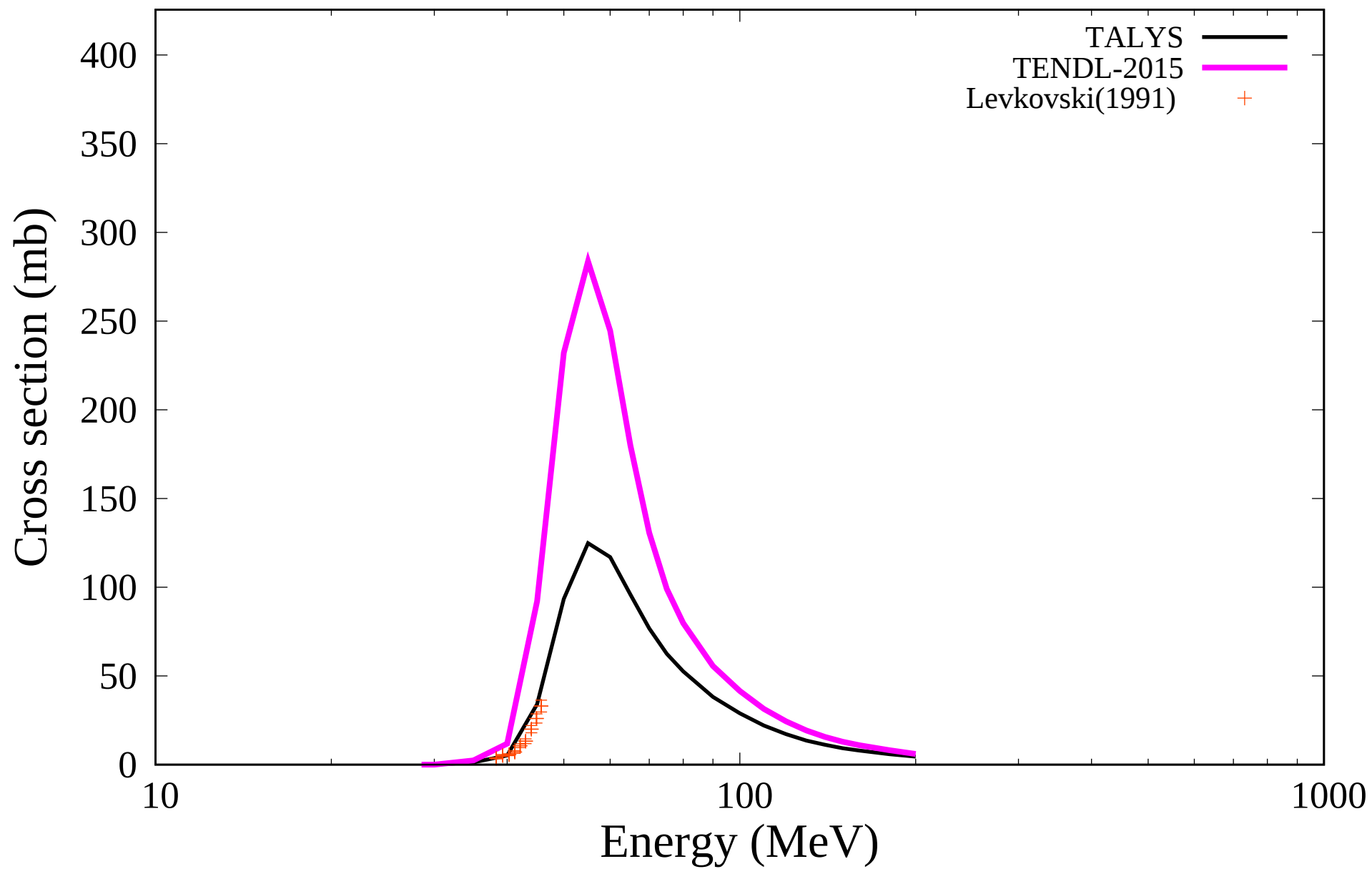
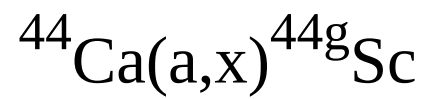


$^{44}\text{Ca}(\text{a,p})^{47}\text{Sc}$









$^{44}\text{Ca}(\text{a},\text{x})^{44\text{m}}\text{Sc}$

