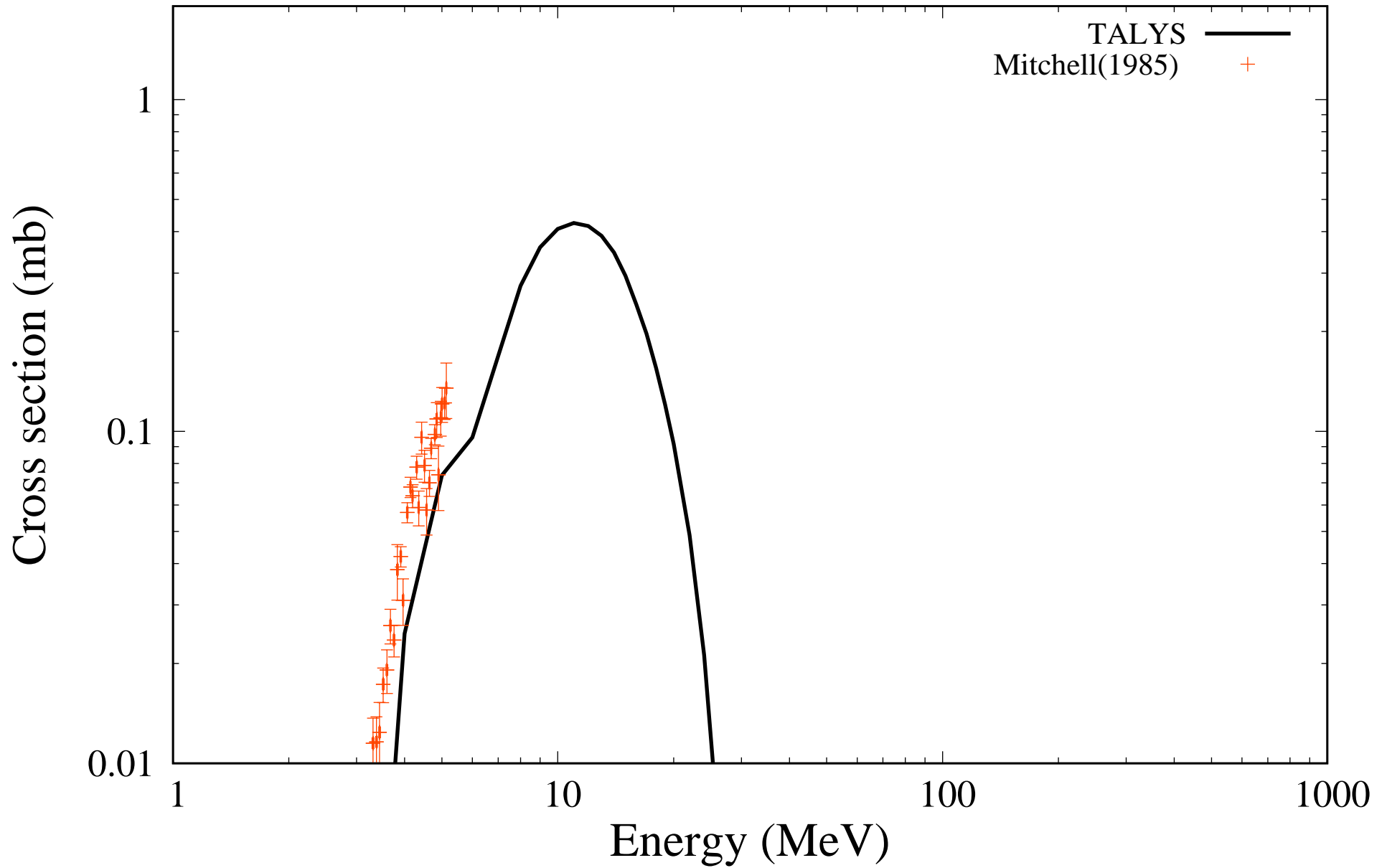
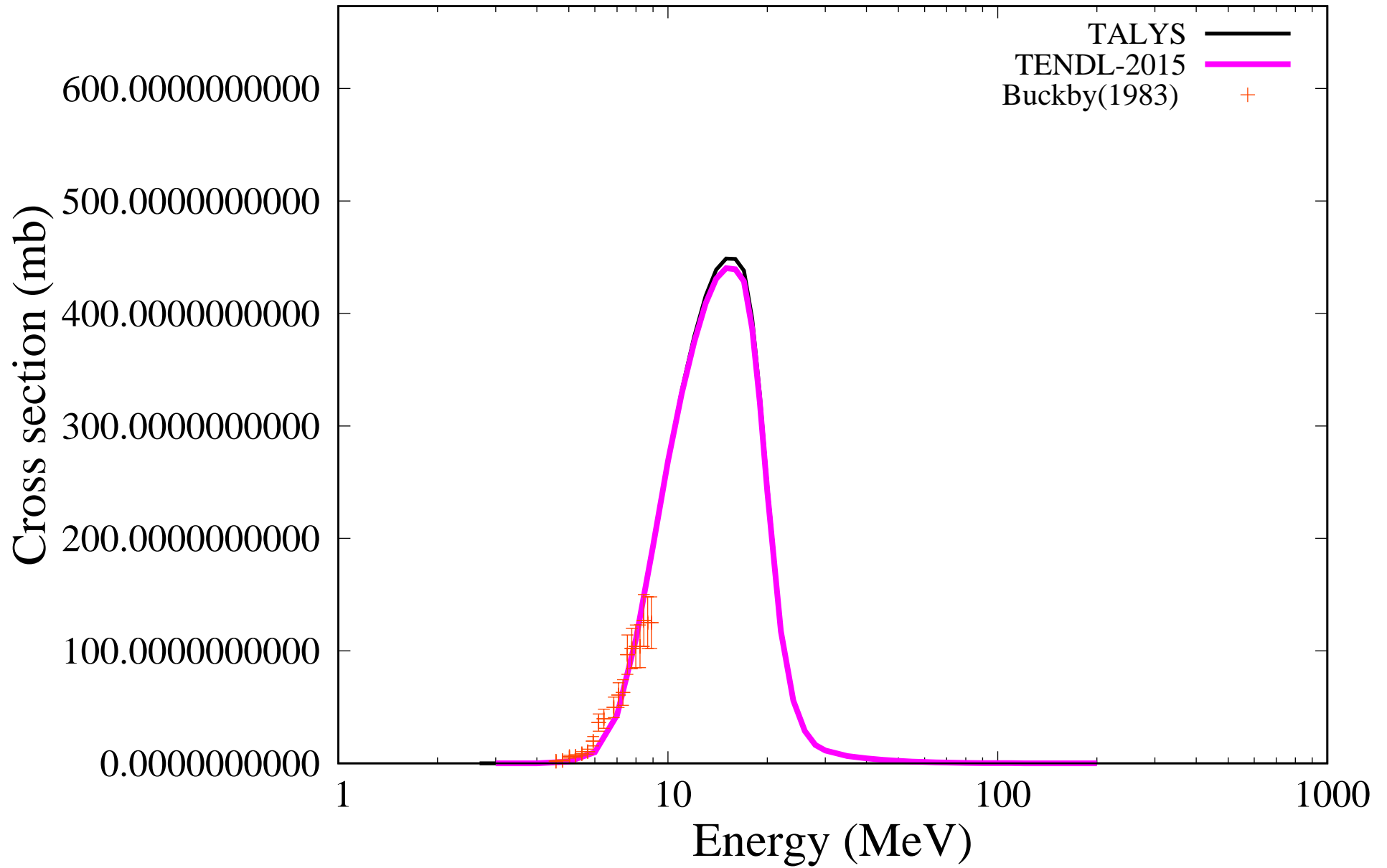
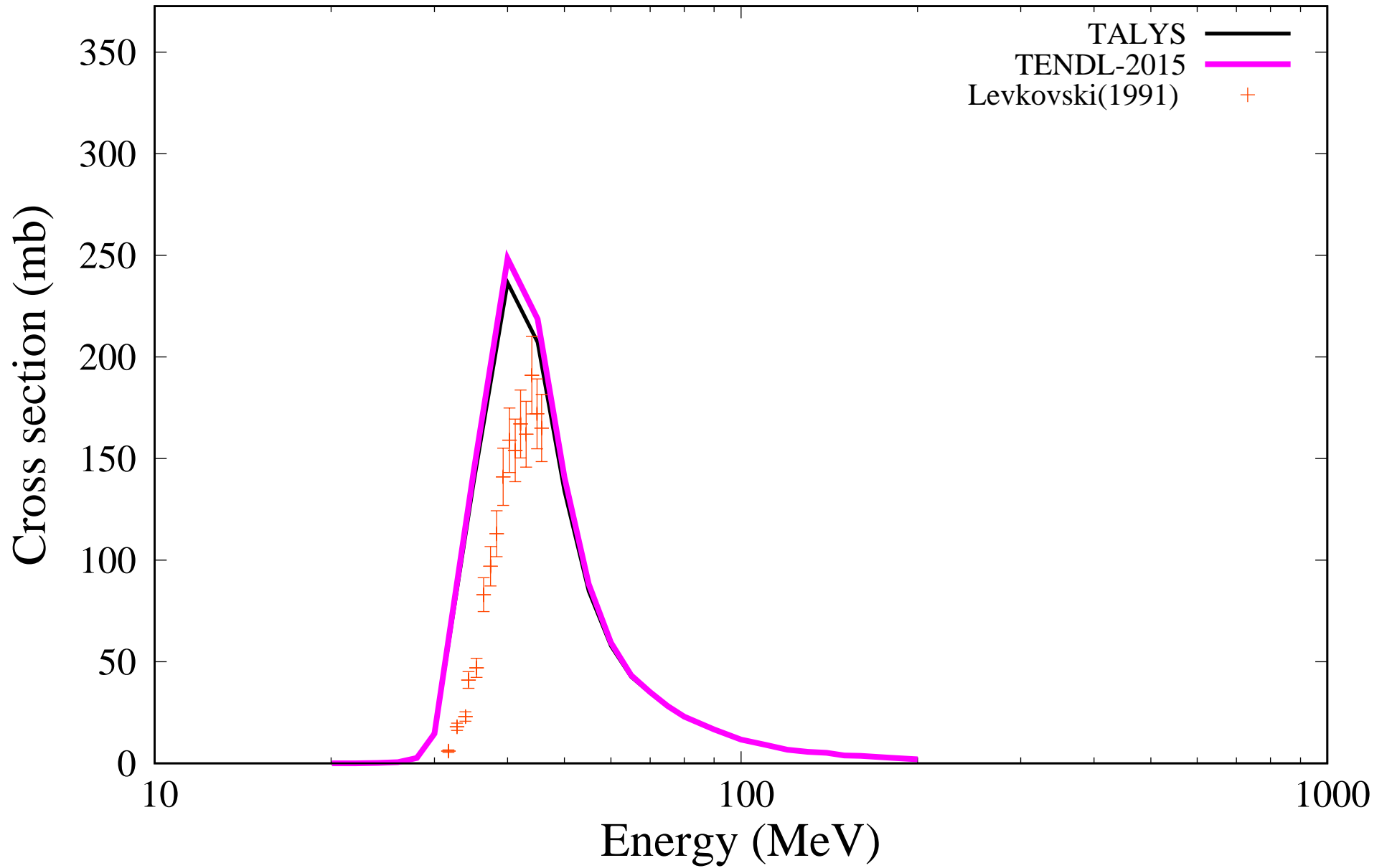
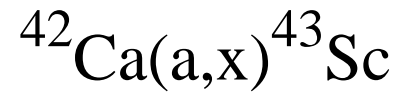


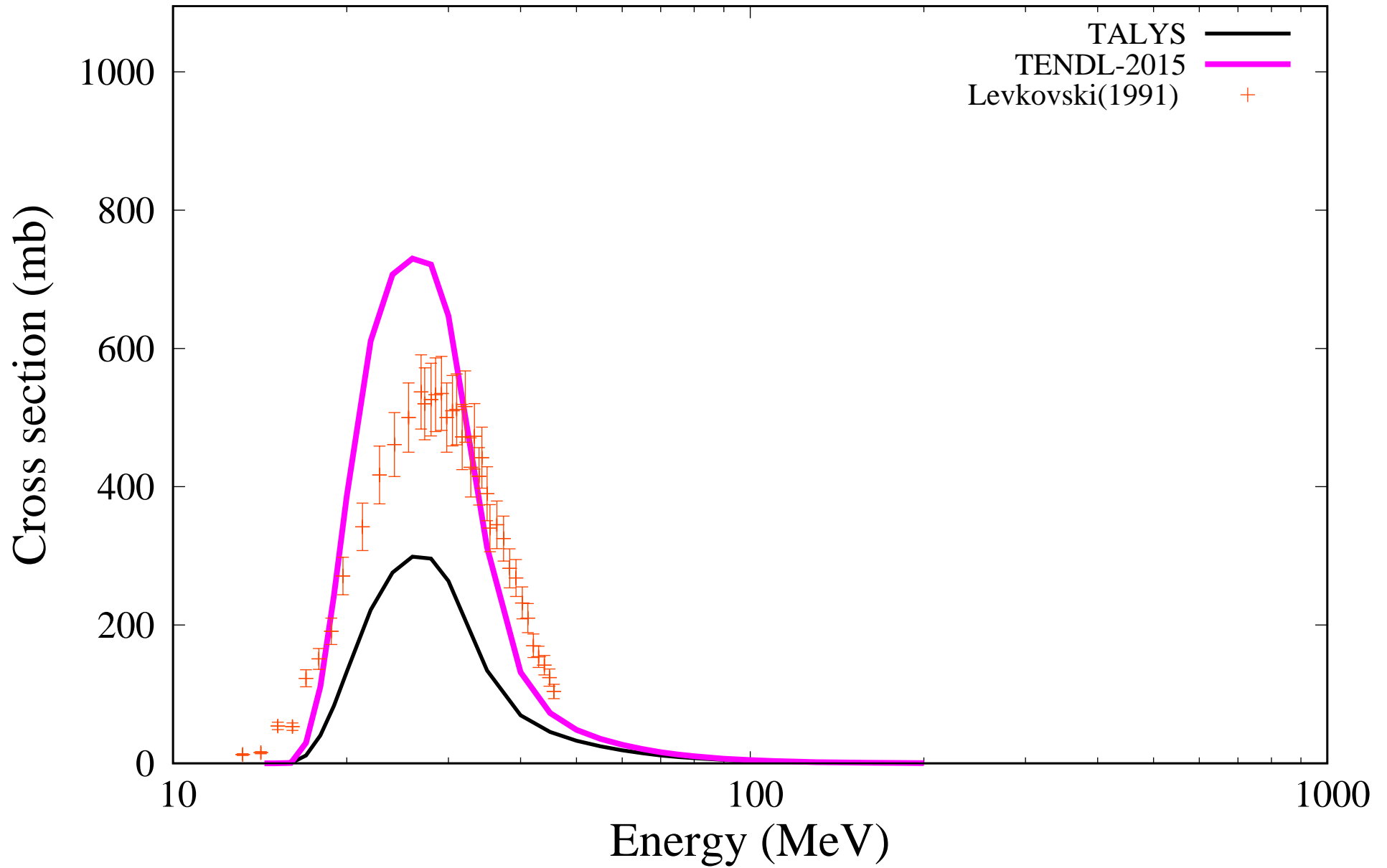
$^{42}\text{Ca}(a,g)^{46}\text{Ti}$



$^{42}\text{Ca}(a,p)^{45}\text{Sc}$ 



$^{42}\text{Ca}(a,x)^{44g}\text{Sc}$



$^{42}\text{Ca}(a,x)^{44\text{m}}\text{Sc}$

