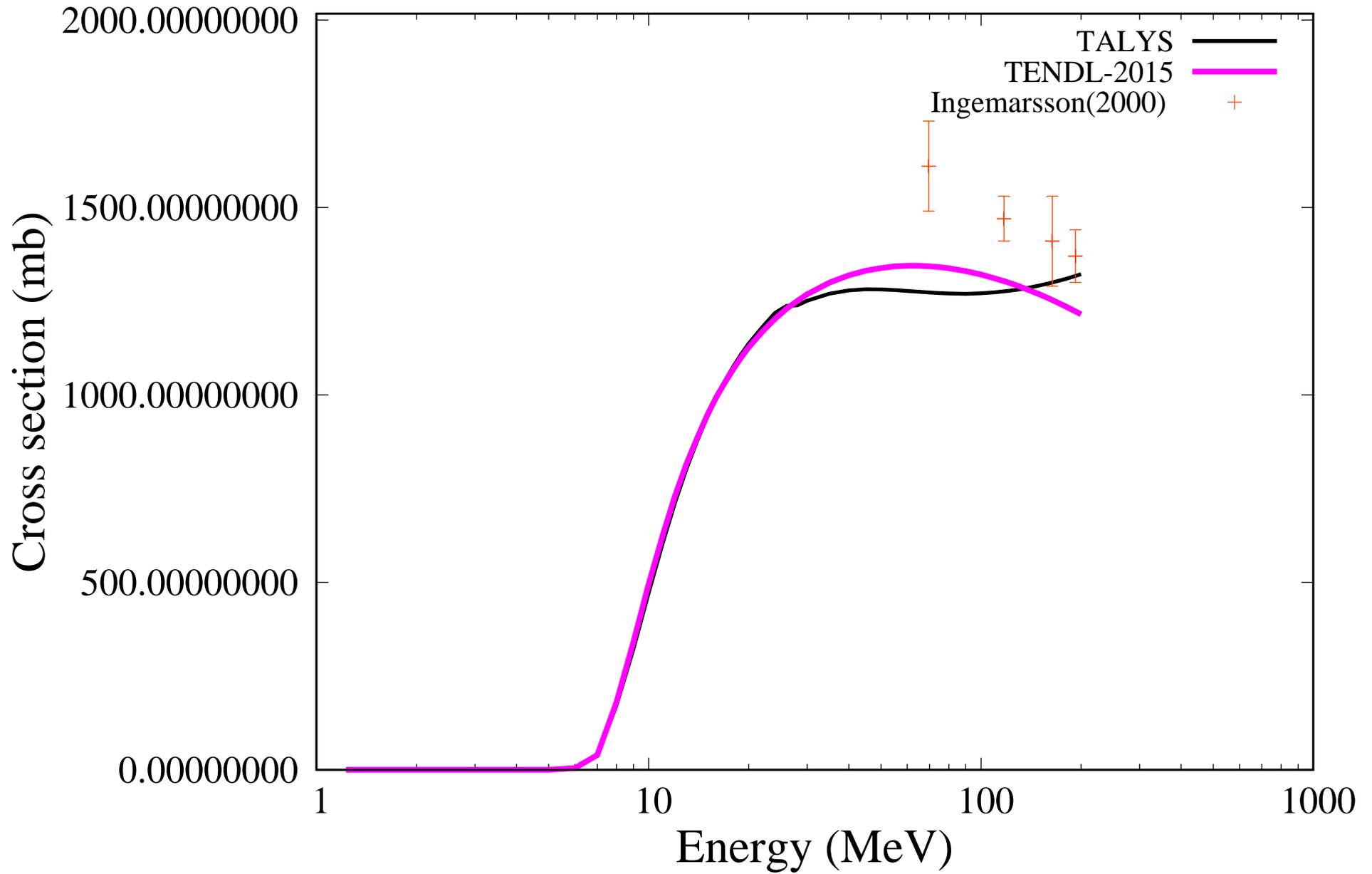
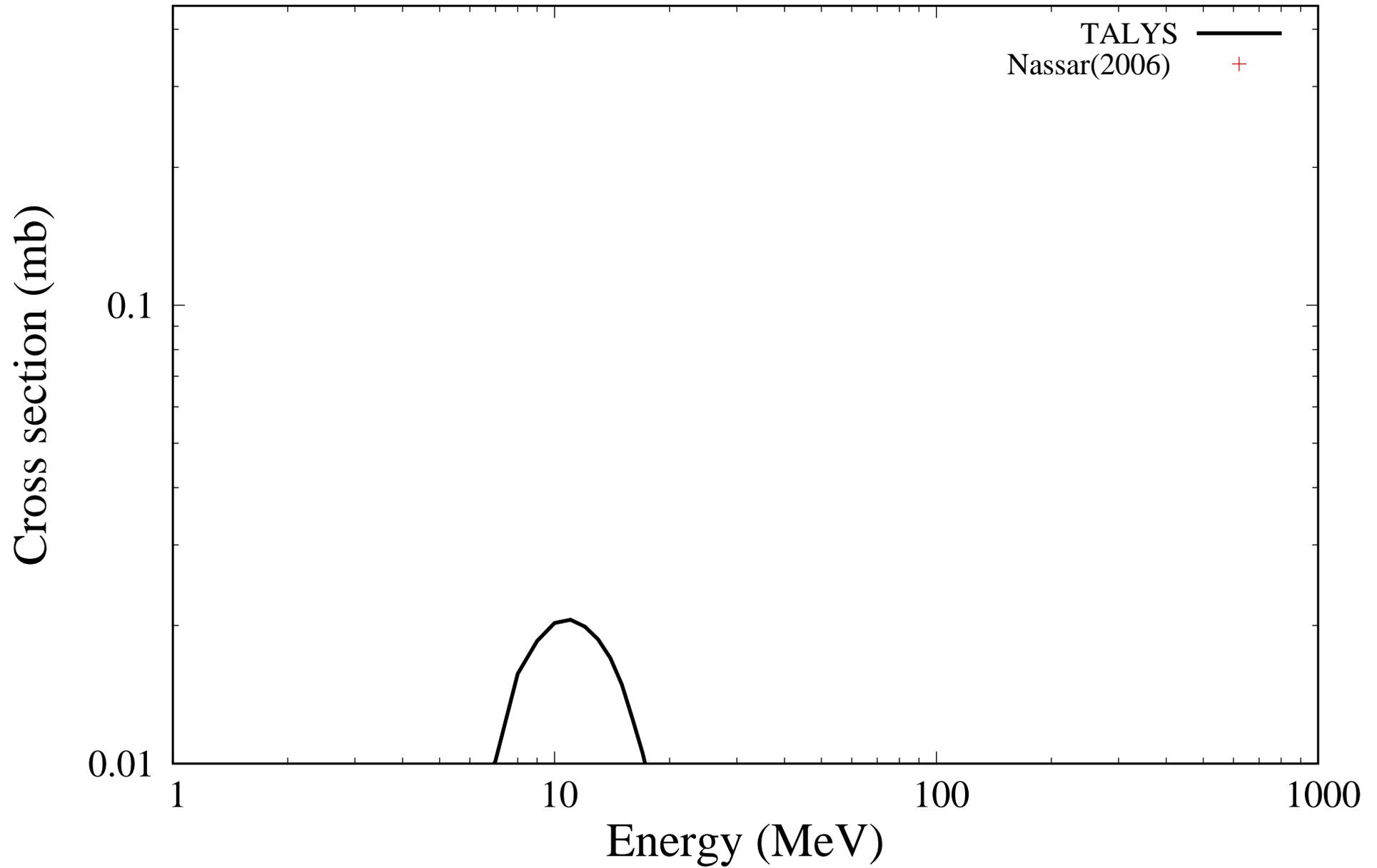
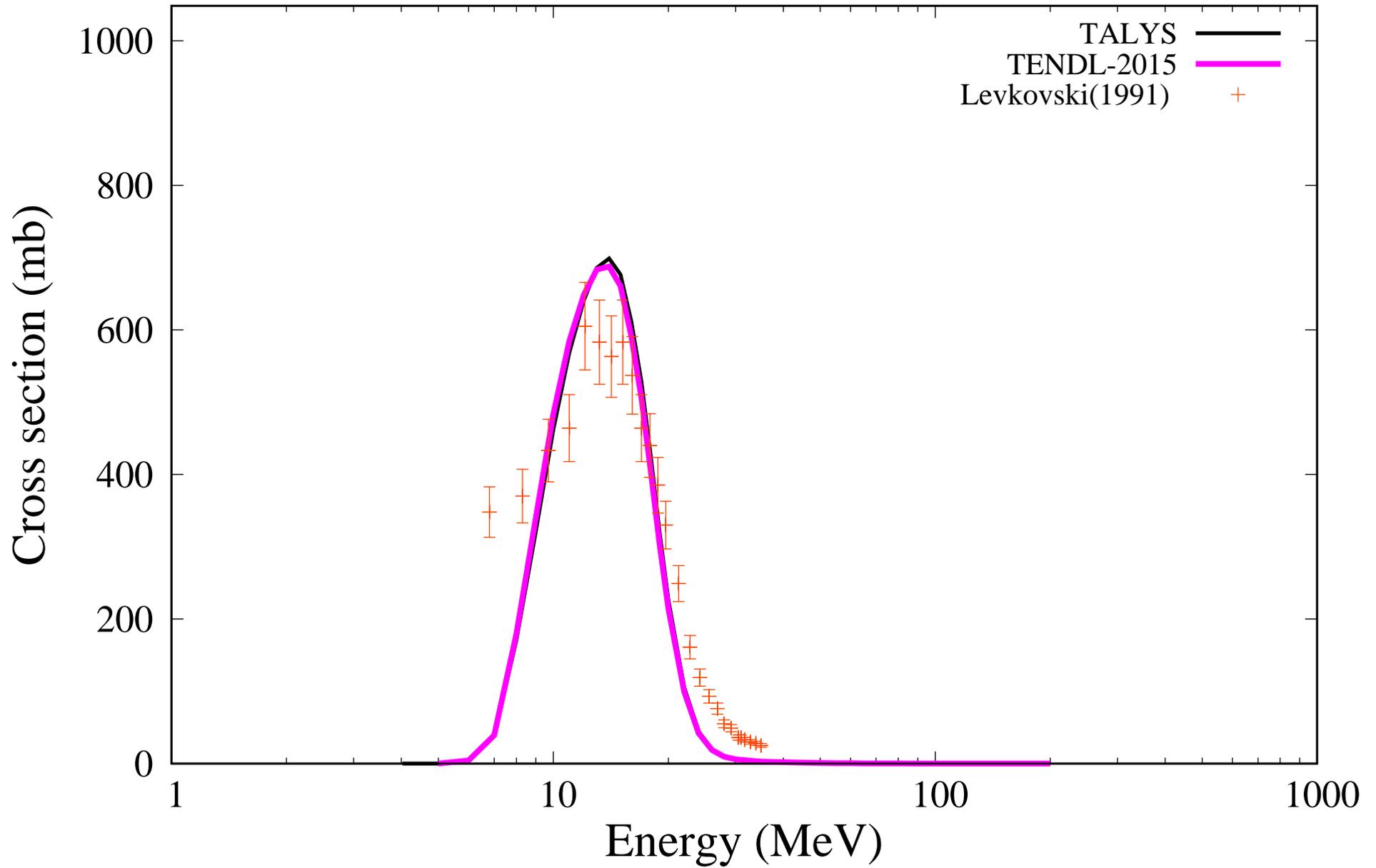


$^{40}\text{Ca}(a,\text{non})$



$^{40}\text{Ca}(a,g)^{44}\text{Ti}$



$^{40}\text{Ca}(a,p)^{43}\text{Sc}$ 

$^{40}\text{Ca}(a,x)^{42\text{m}}\text{Sc}$

