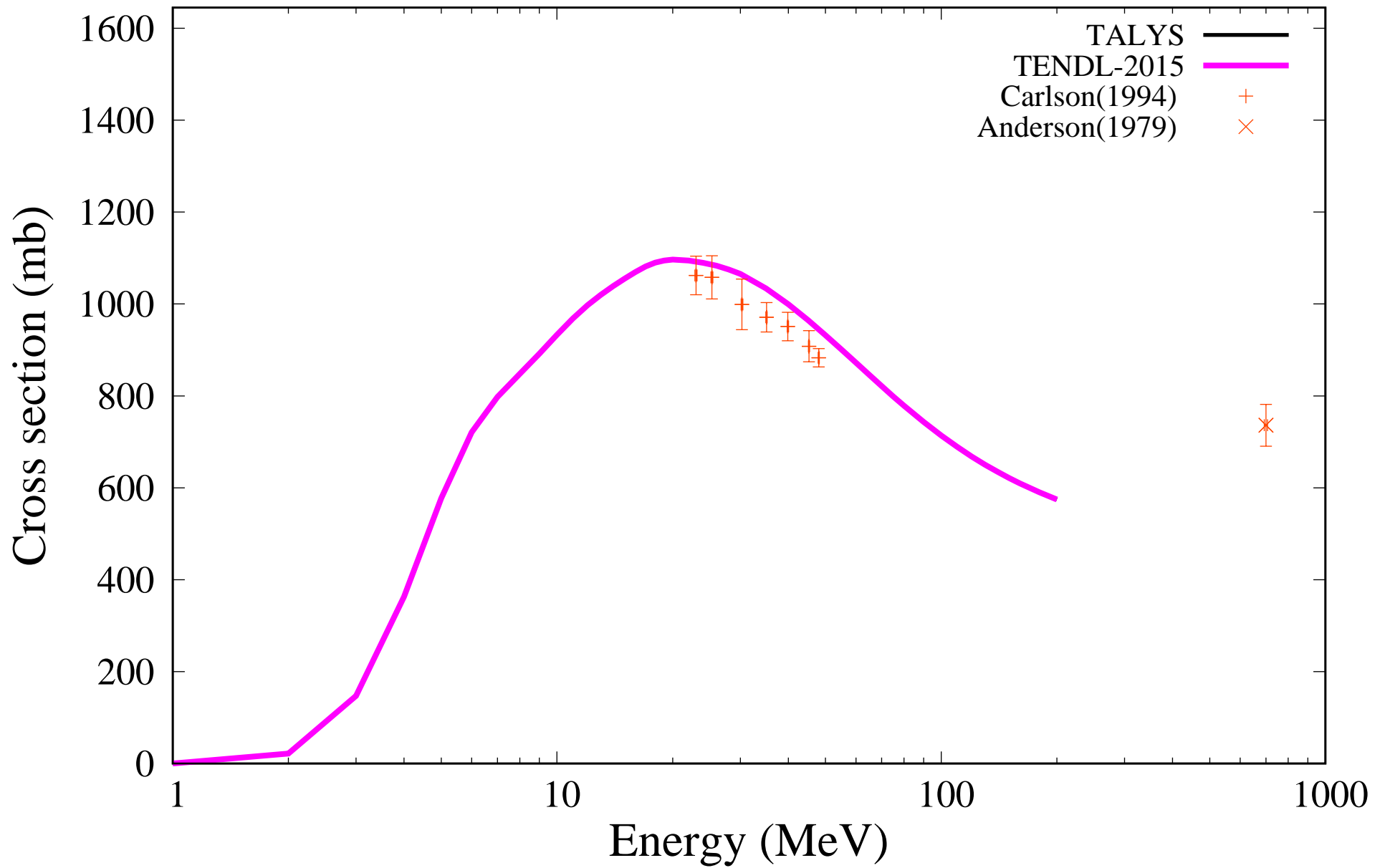
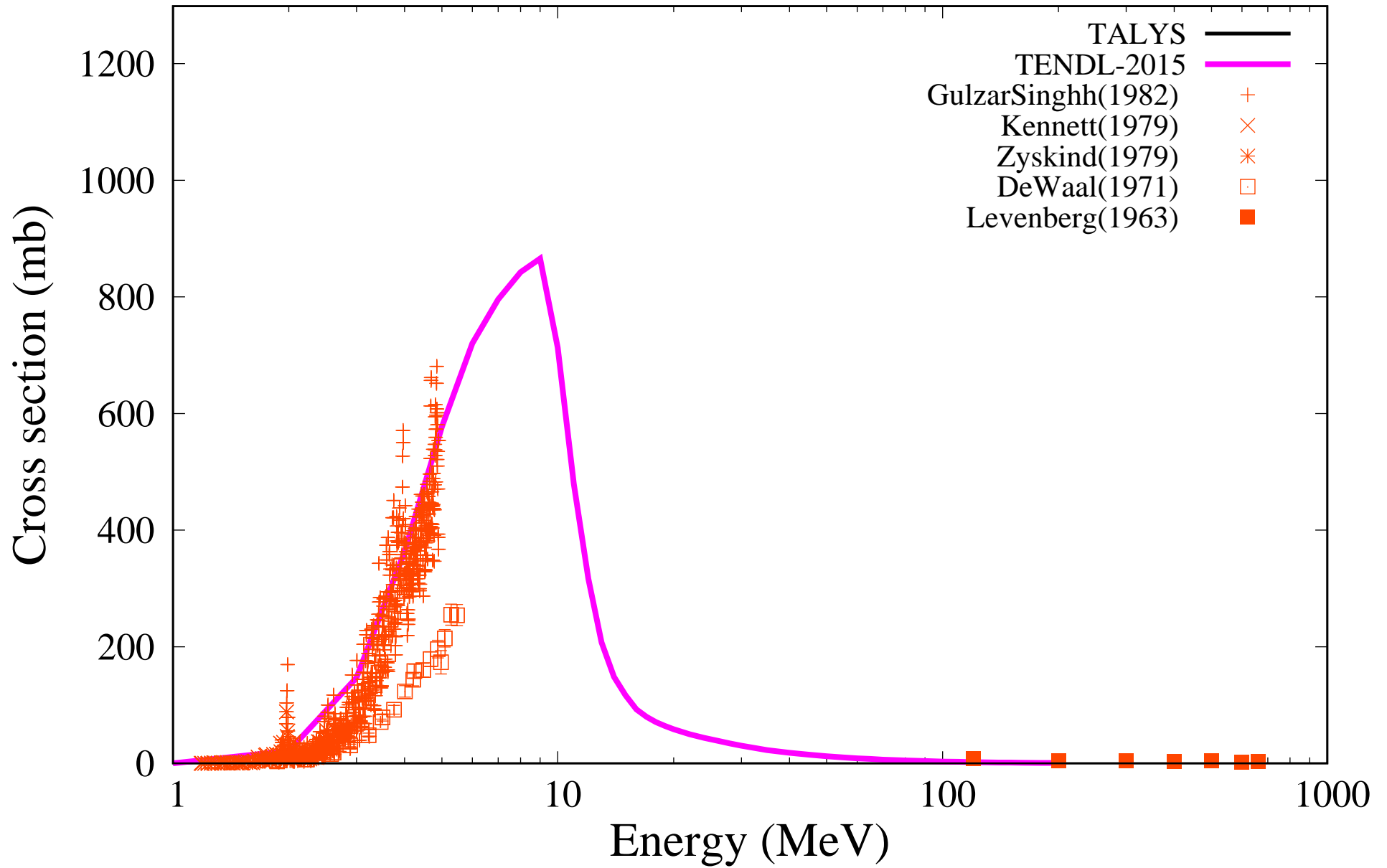
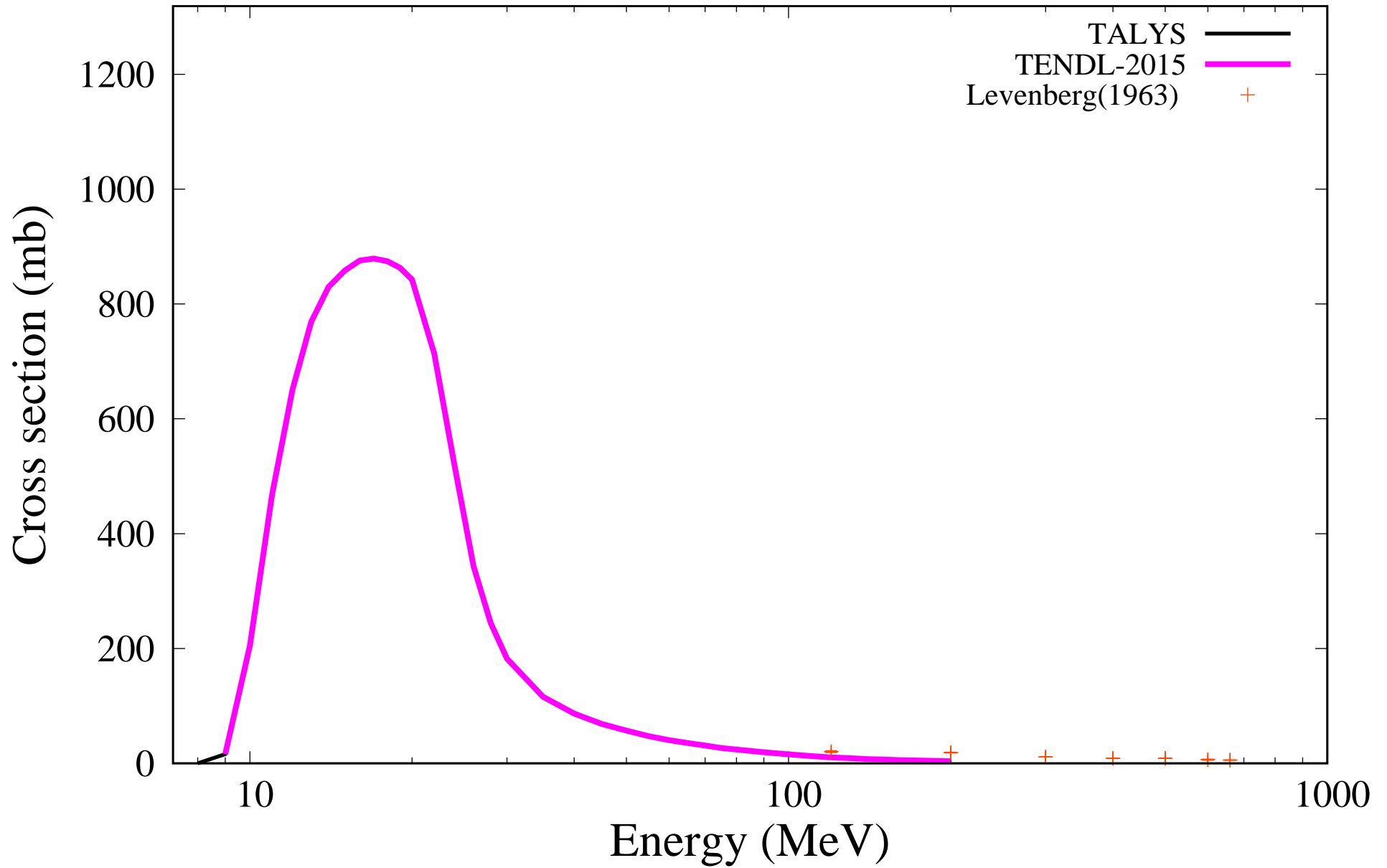


$^{48}\text{Ca}(p,\text{non})$

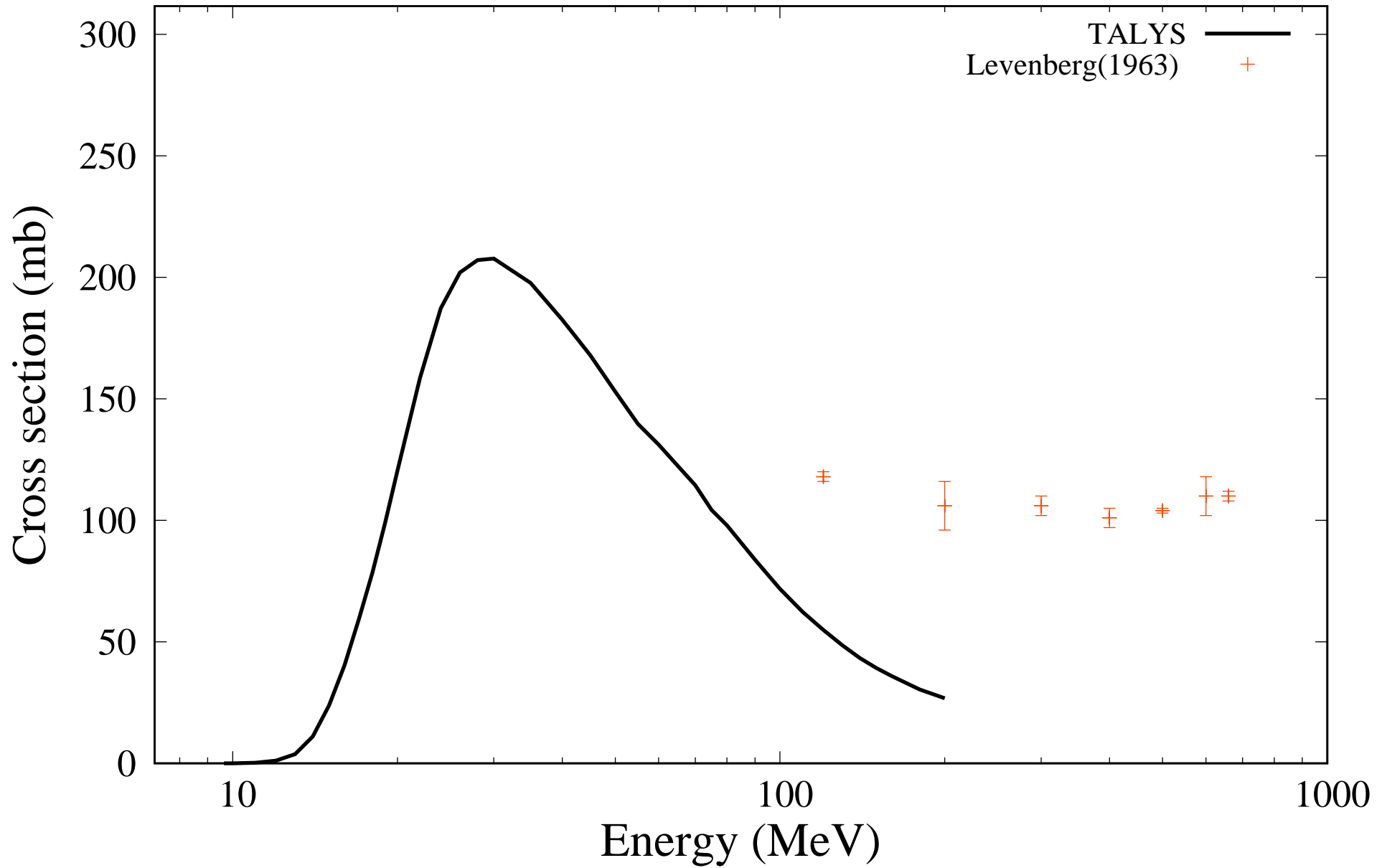


$^{48}\text{Ca}(p,n)^{48}\text{Sc}$ 

$^{48}\text{Ca}(p,2n)^{47}\text{Sc}$



$^{48}\text{Ca}(p,np)^{47}\text{Ca}$



$^{48}\text{Ca}(p,g)^{49}\text{Sc}$ 