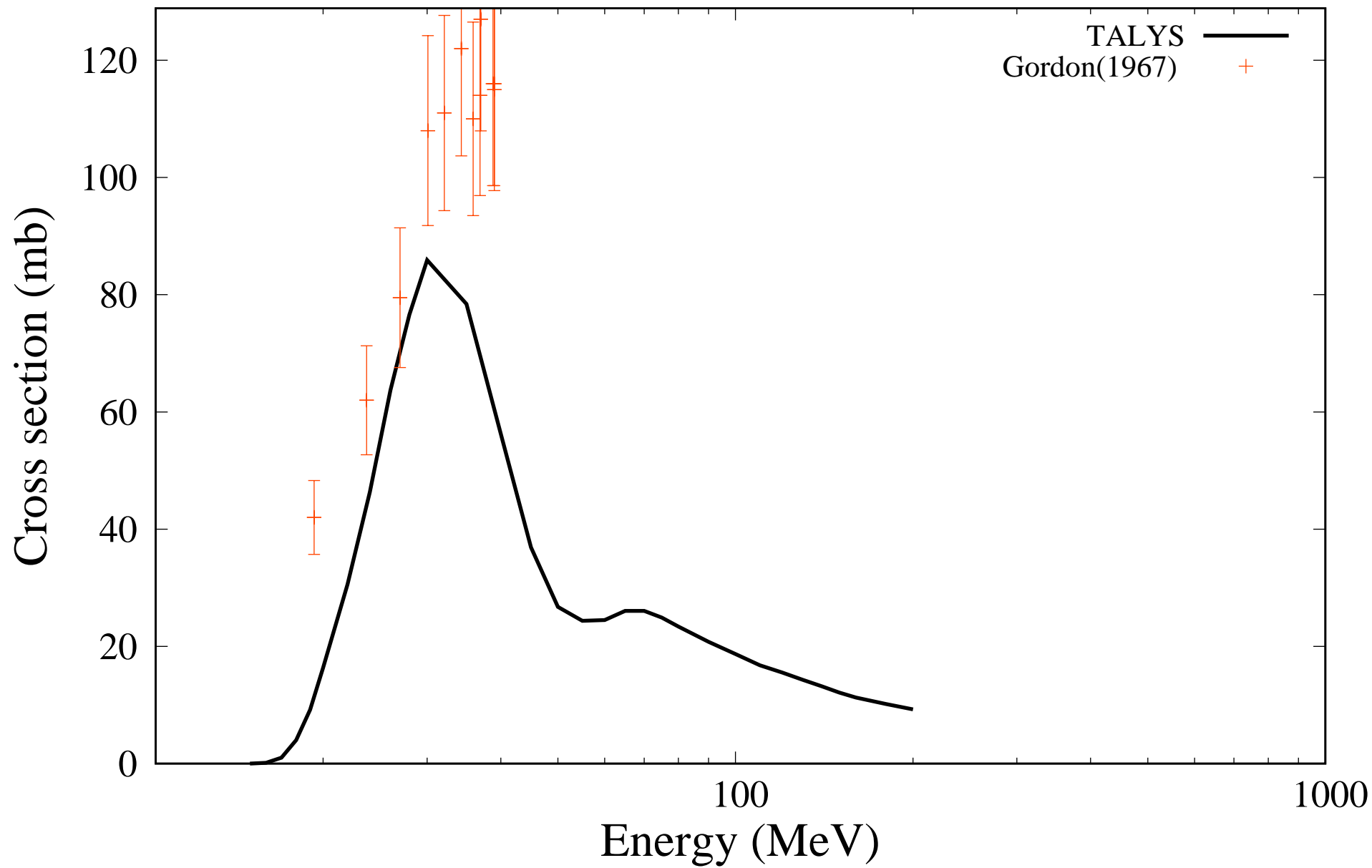


$^{48}\text{Ca}(a,na)^{47}\text{Ca}$



$^{48}\text{Ca}(a,2np)^{49}\text{Sc}$

