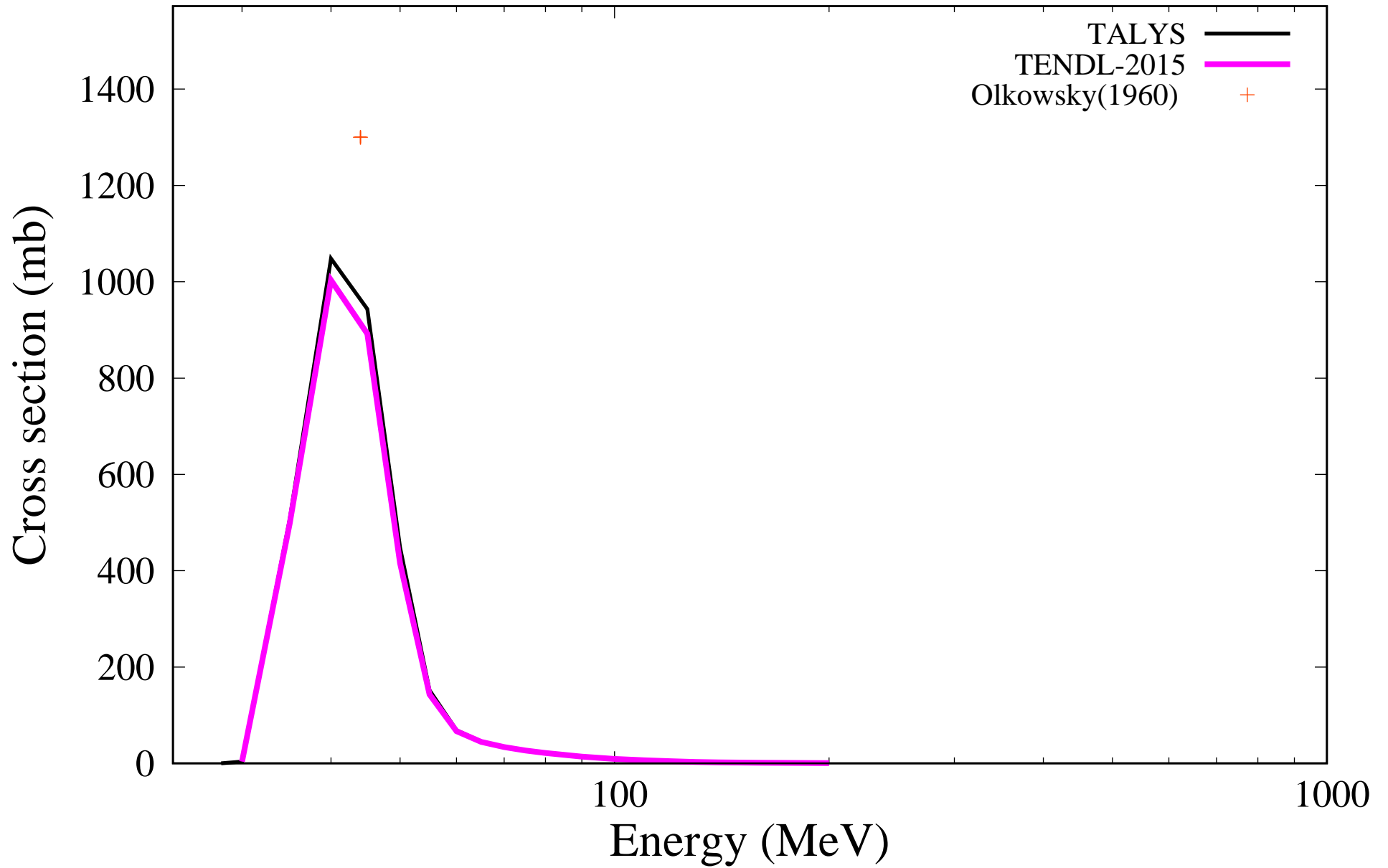
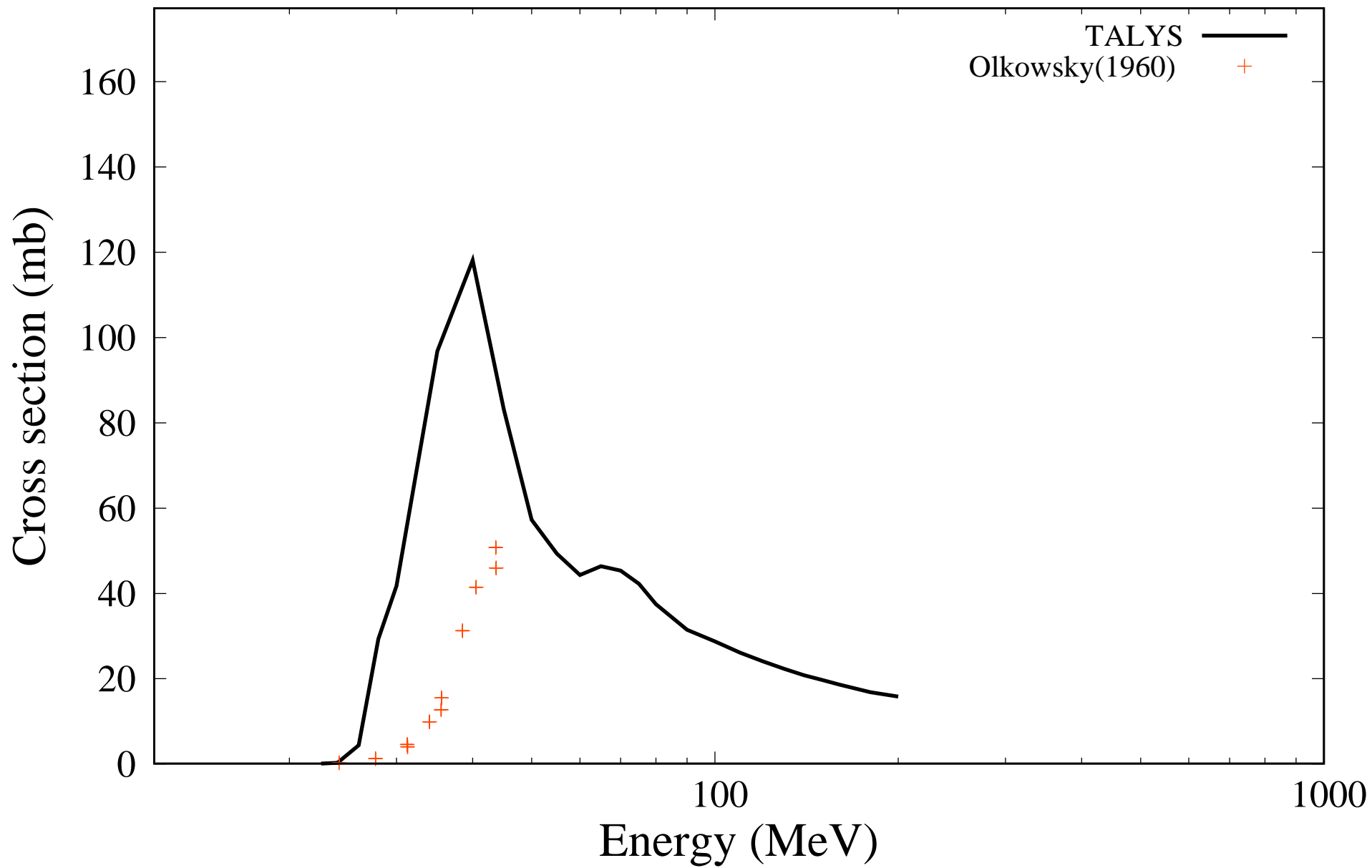


$^{142}\text{Nd}(\alpha,3n)^{143}\text{Sm}$



$^{142}\text{Nd}(\alpha, n\alpha)^{141}\text{Nd}$



$^{142}\text{Nd}(a,4n)^{142}\text{Sm}$ 