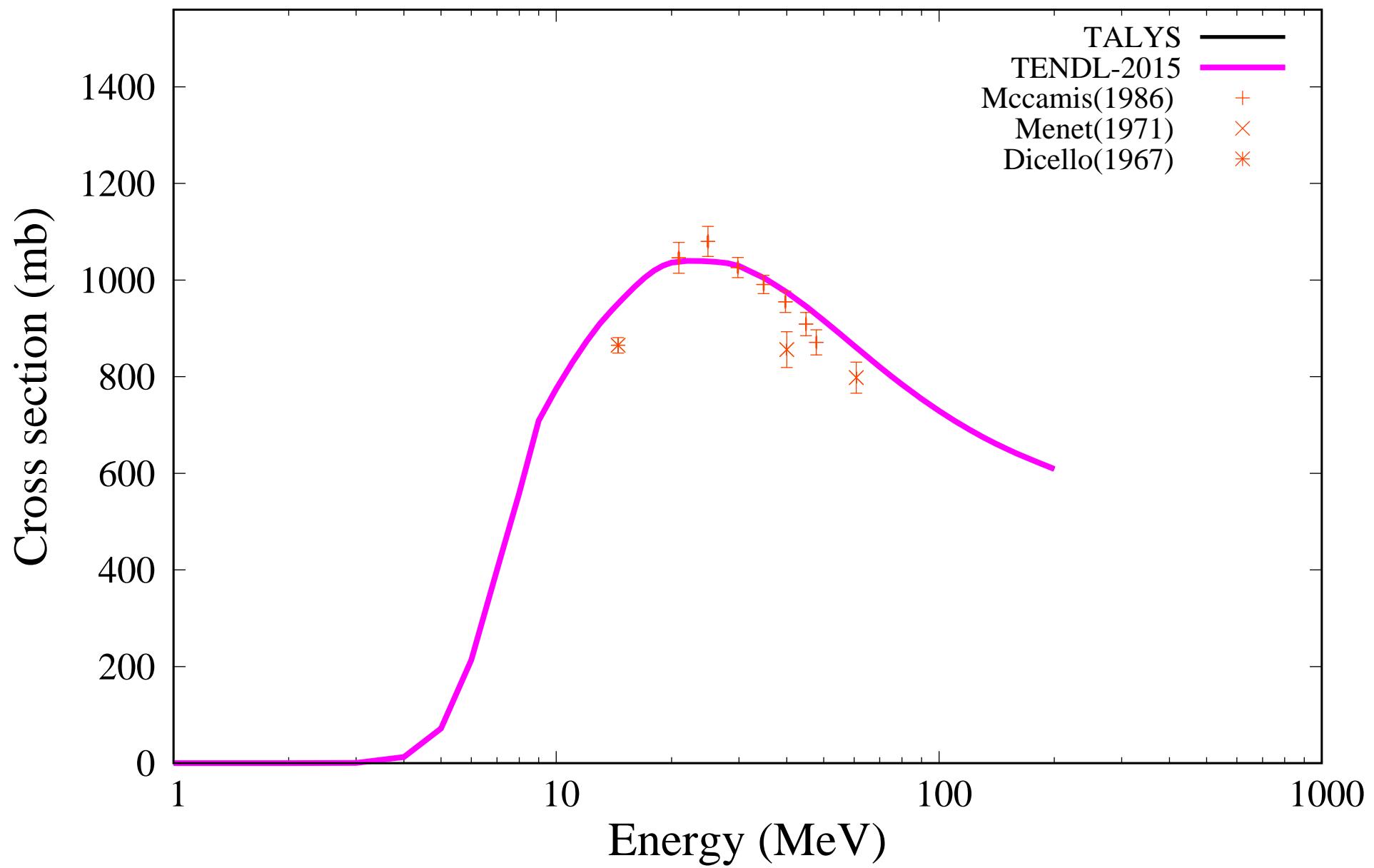
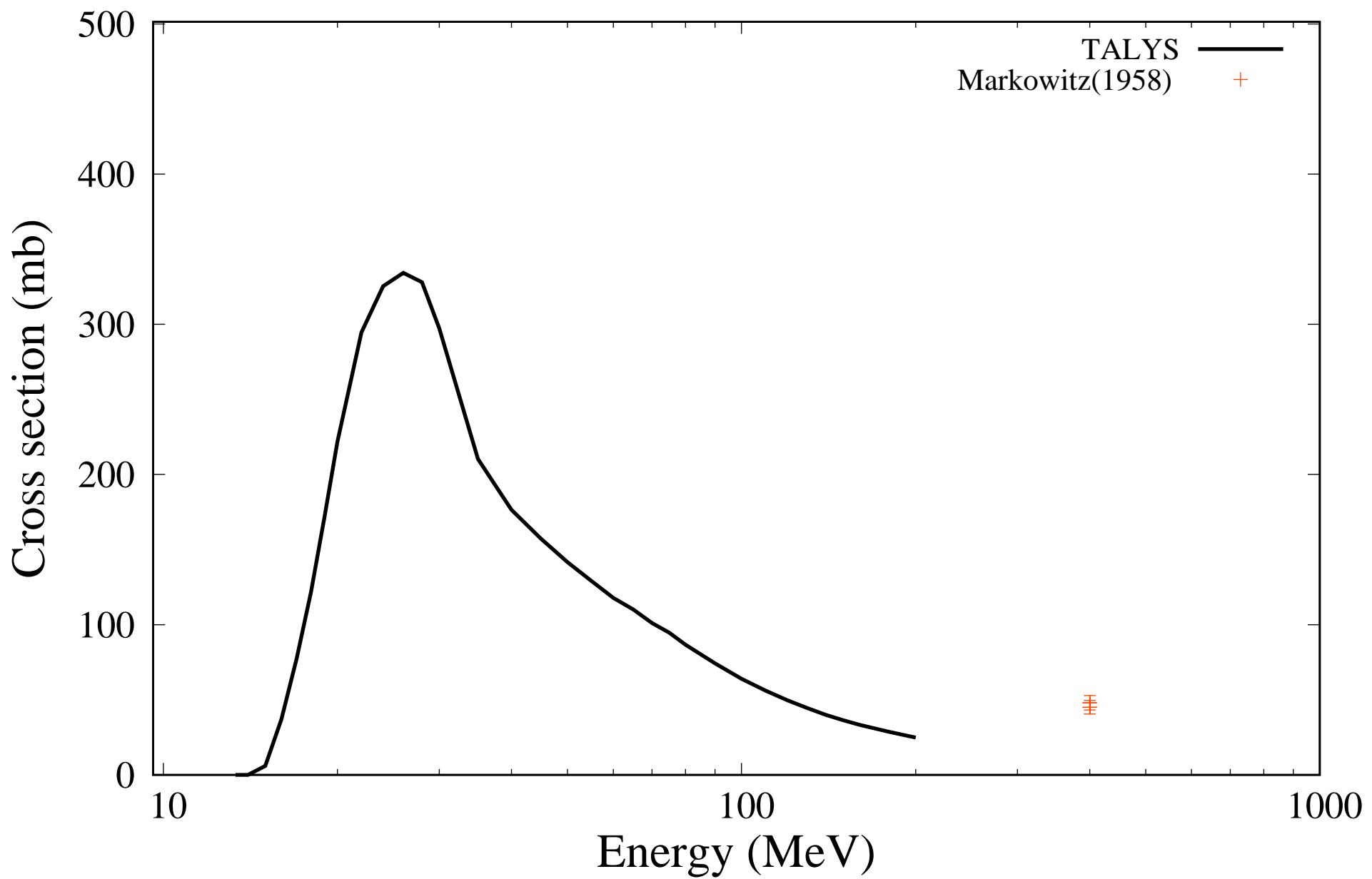
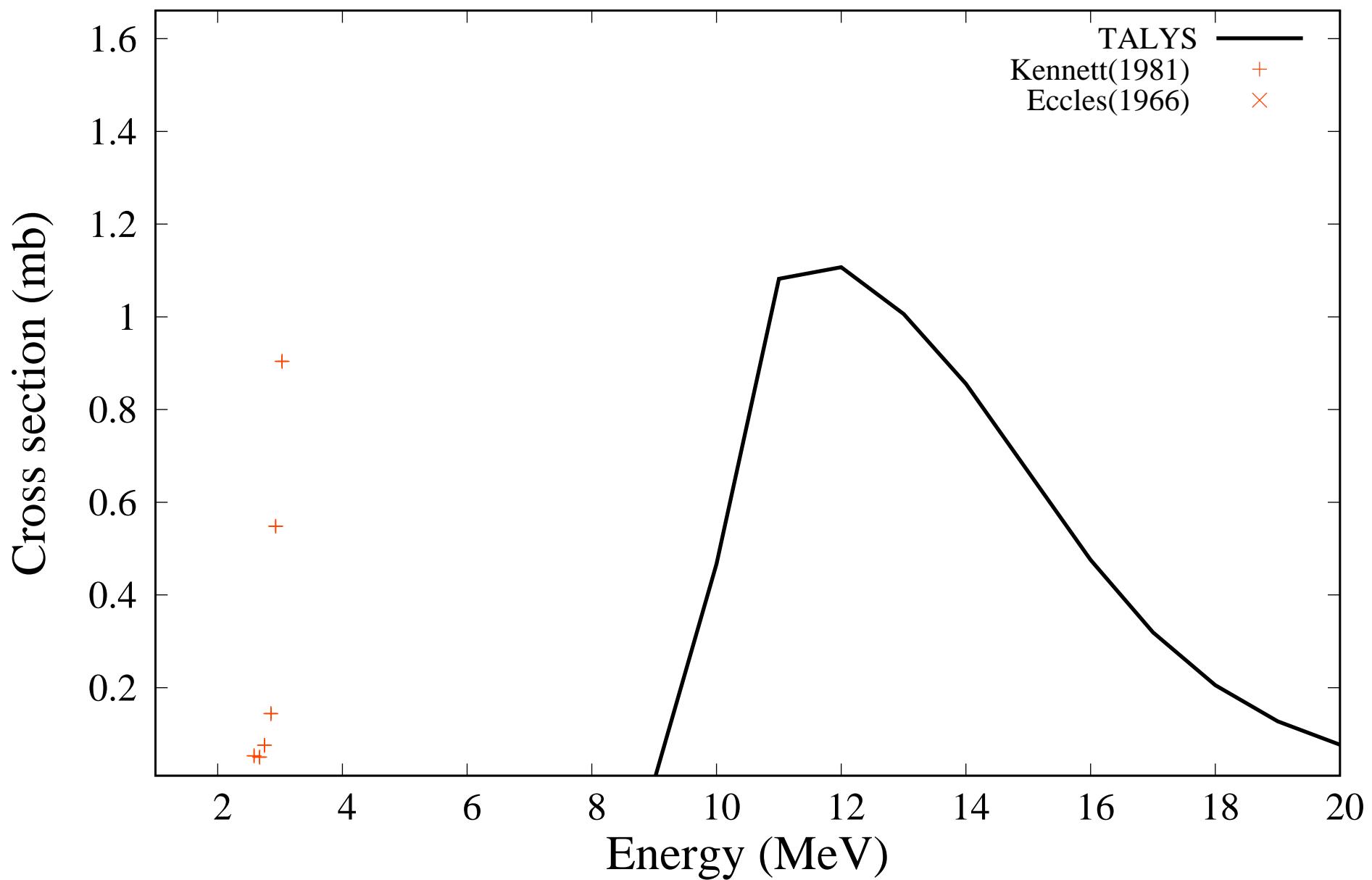
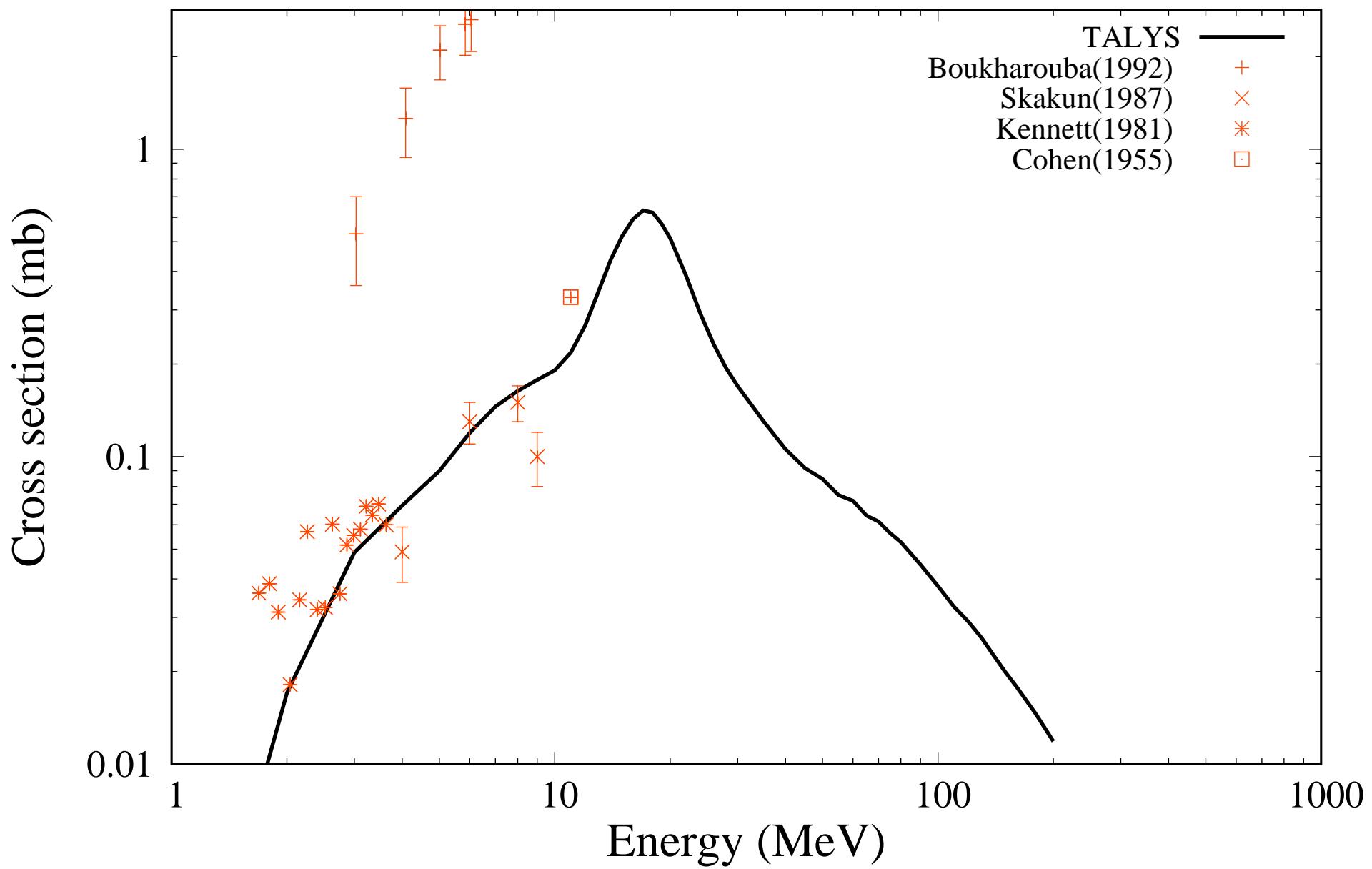
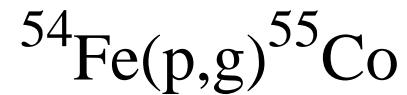
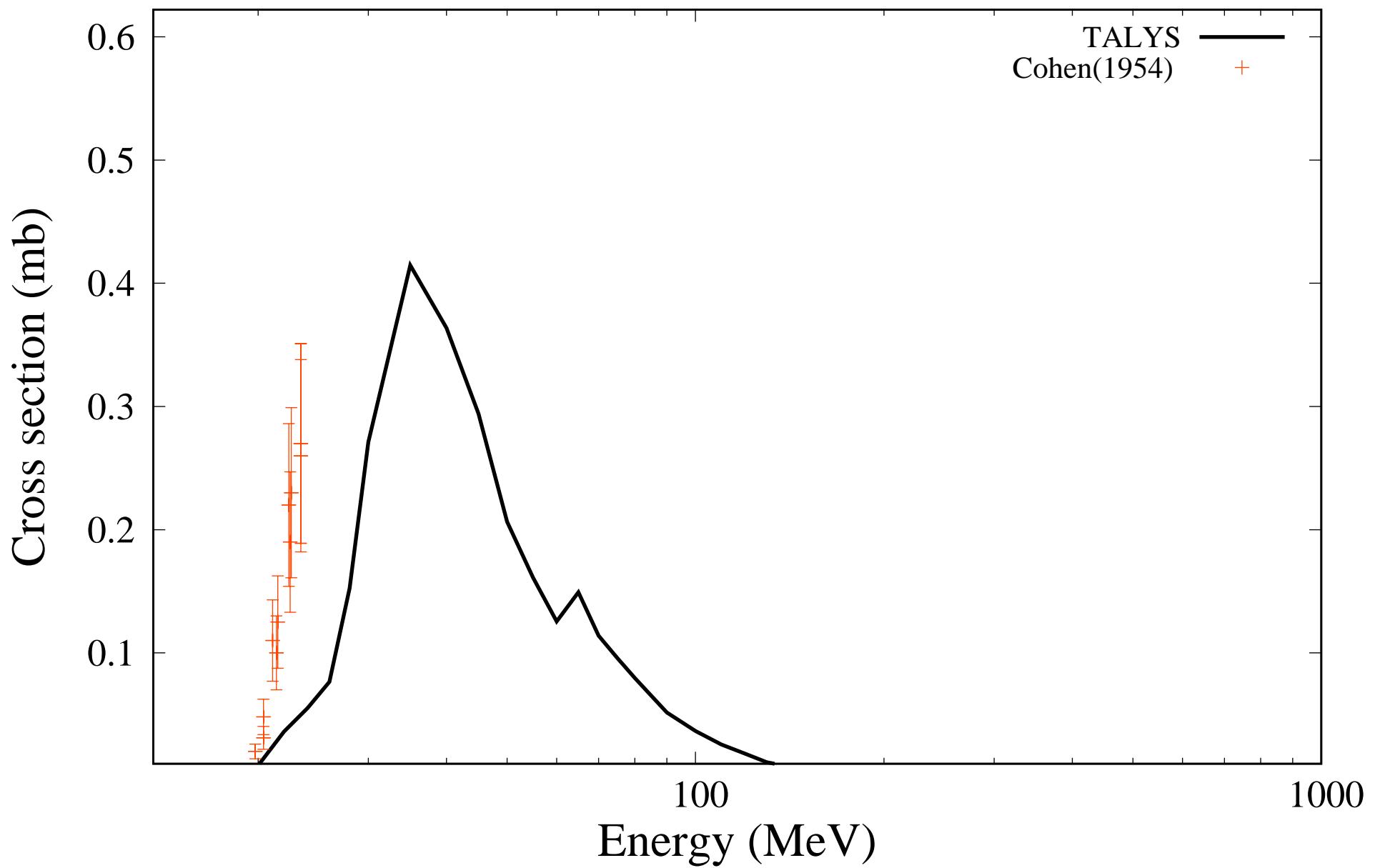
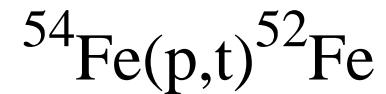


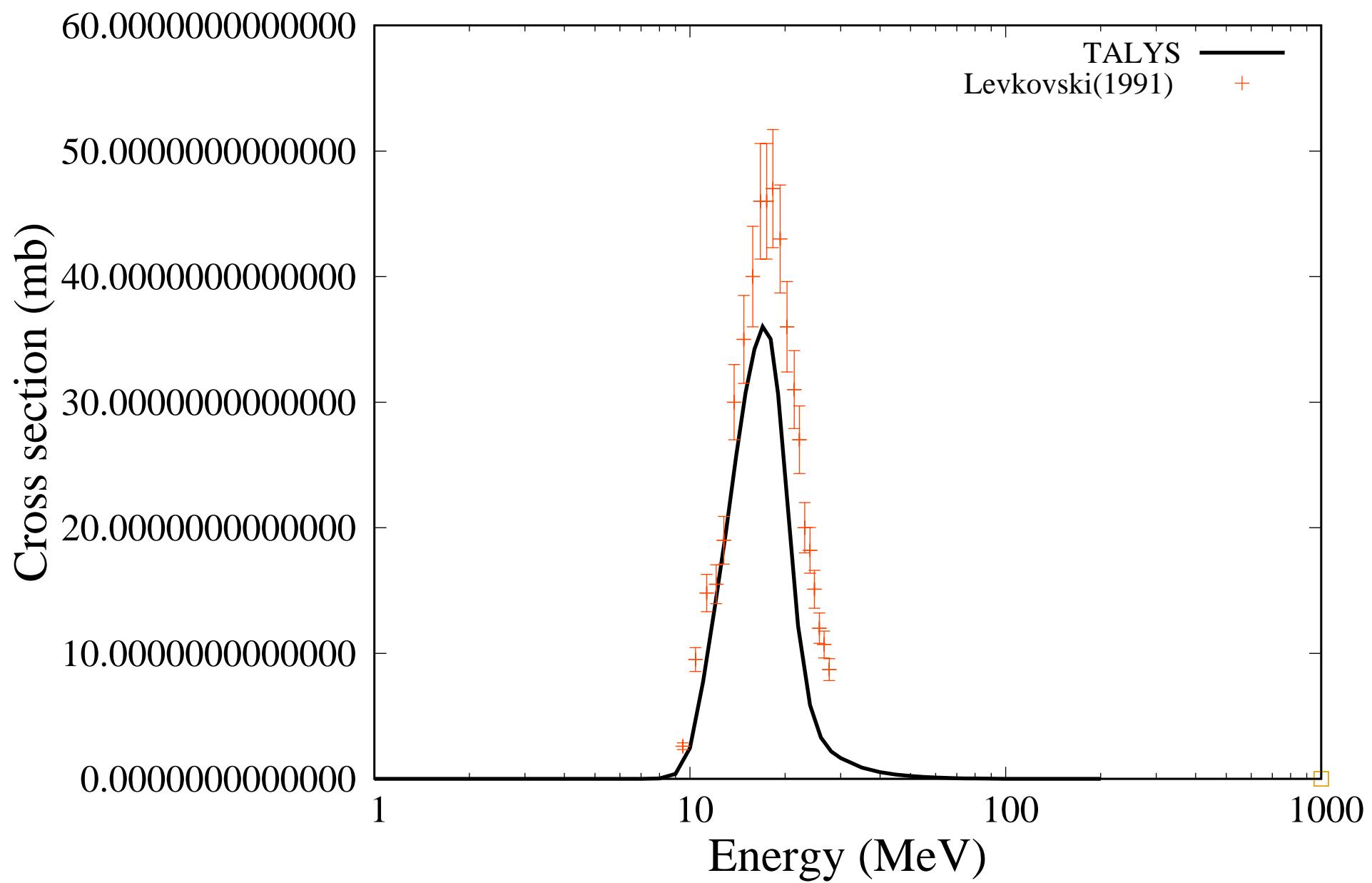
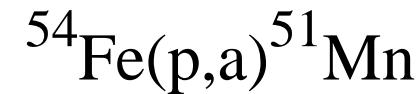
$^{54}\text{Fe}(\text{p},\text{non})$ 

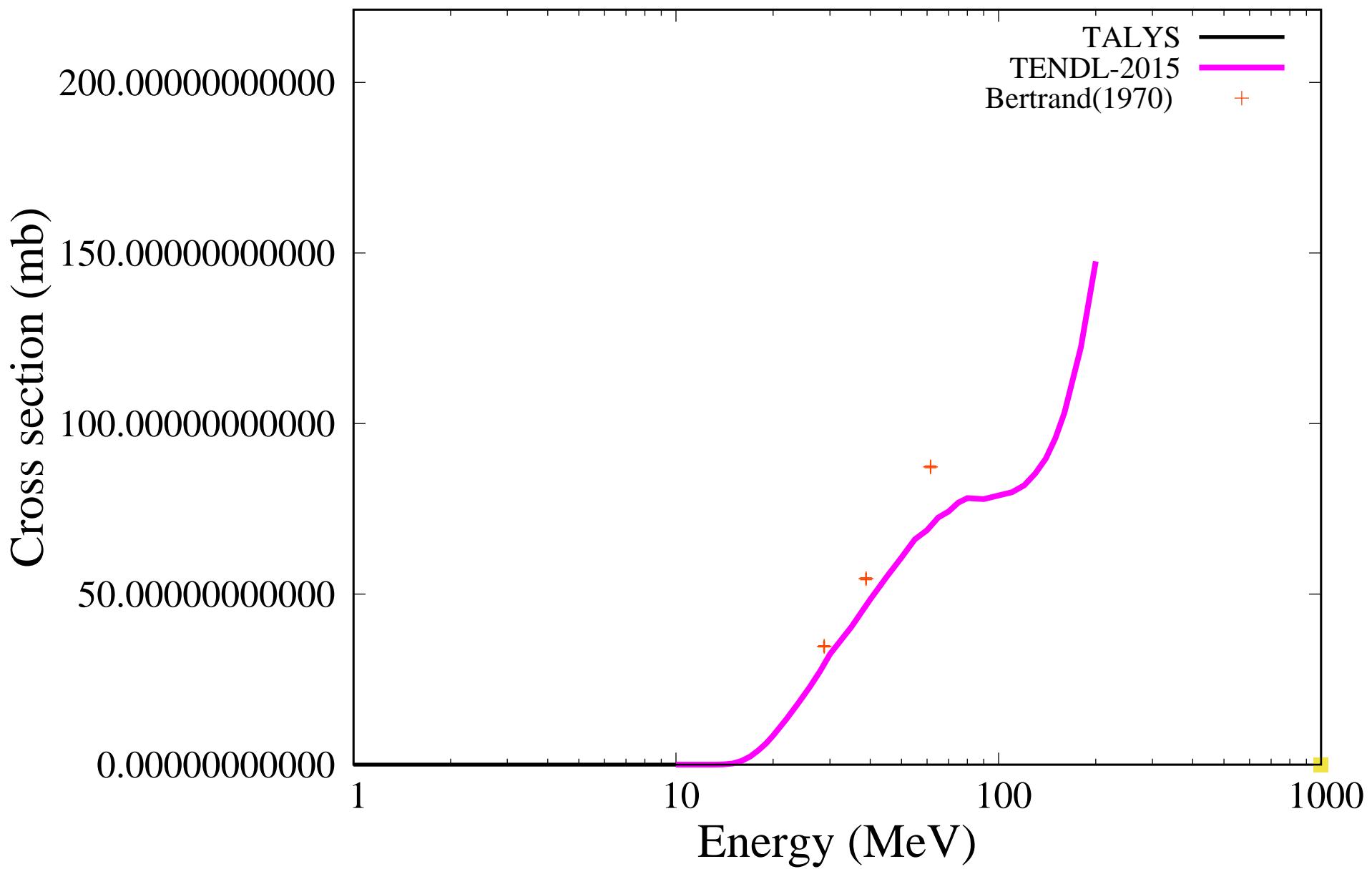


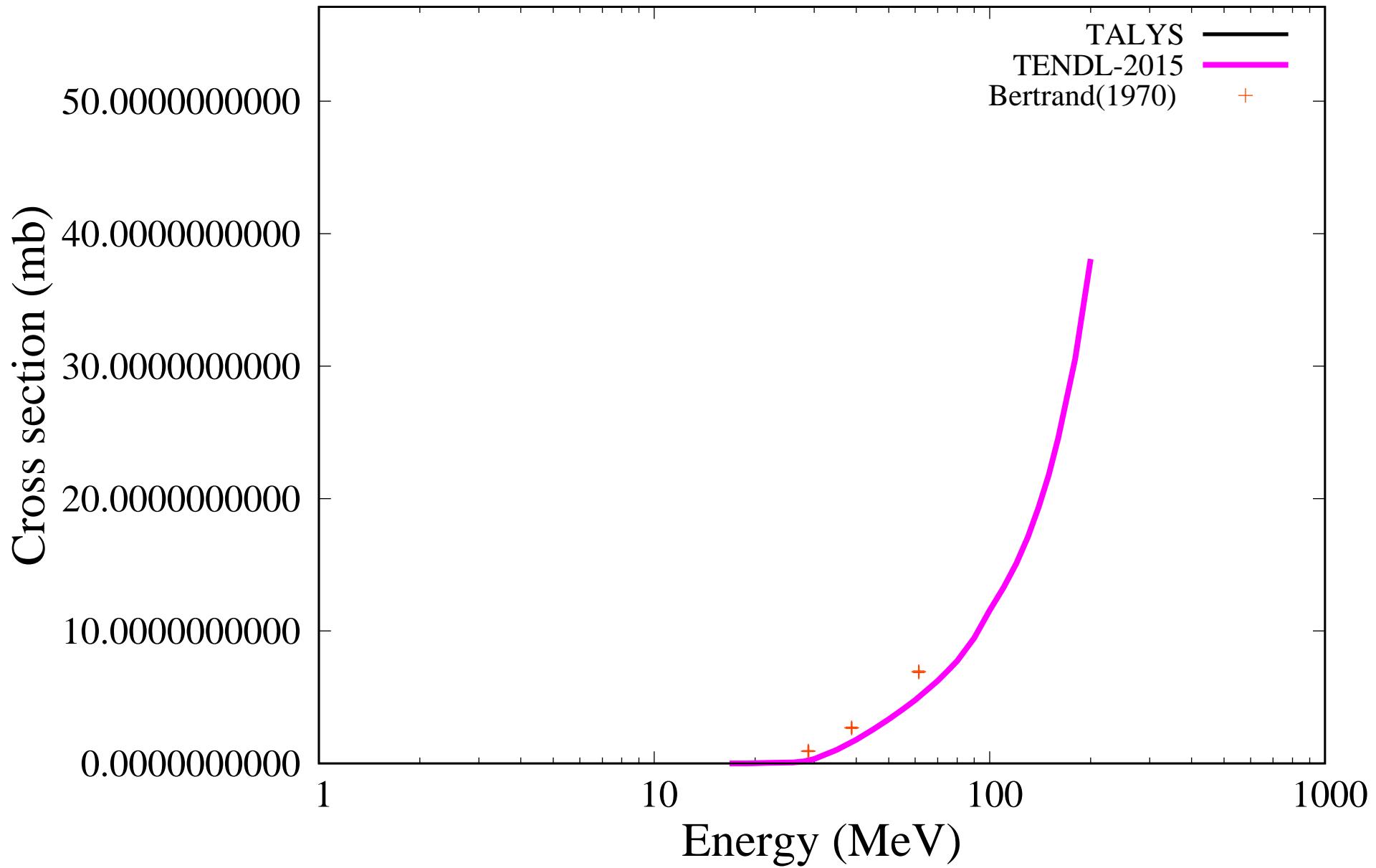
$$^{54}\text{Fe}(\text{p},\text{n}_1^{\prime })^{54}\text{Co}$$


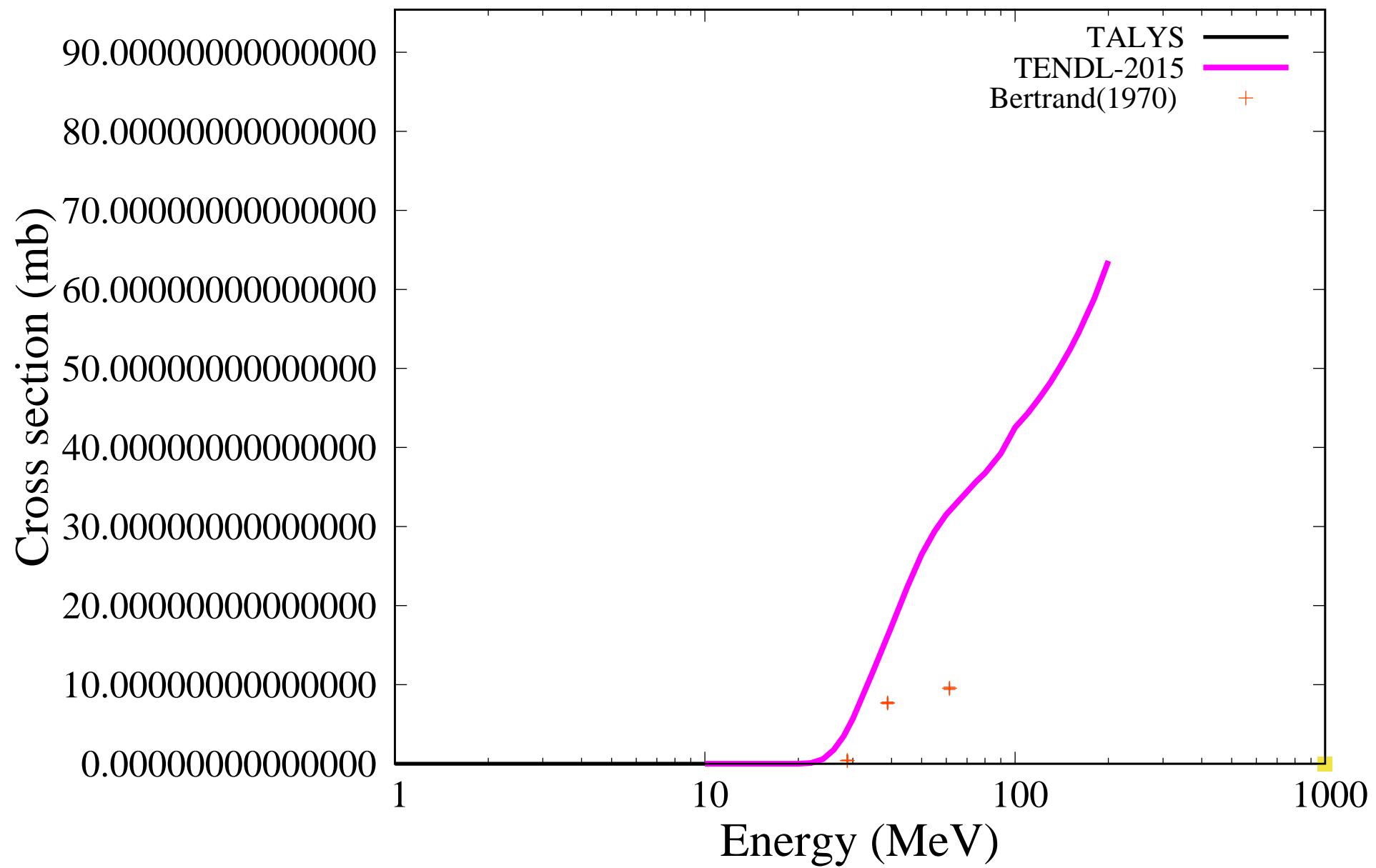






$^{54}\text{Fe}(\text{p},\text{xd})$ 

$^{54}\text{Fe}(\text{p},\text{xt})$ 

$^{54}\text{Fe}(\text{p},\text{xh})$ 

$^{54}\text{Fe}(\text{p},\text{xa})$ 