

^{186}gRe իզոտոպի ոլսոլմնասիրությունը

Բարսեղյան Աշխեն

Երևան 2018

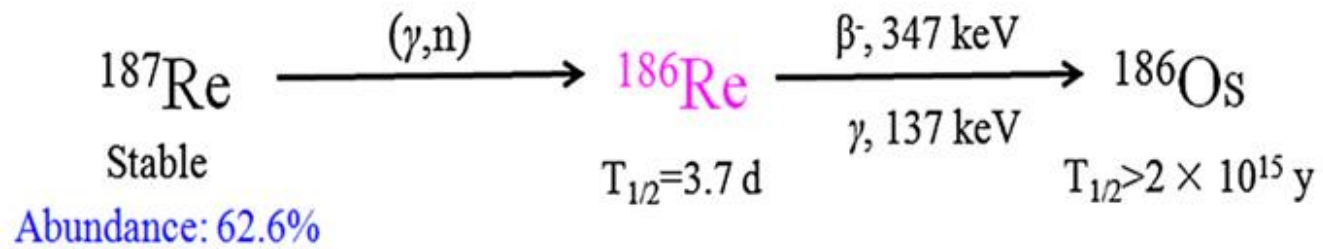
Աշխատանքի նպատակը

- ▶ $E_e = 40$ ՄէՎ
- ▶ $I = 9$ մկԱ

▶ ՌԵՆԻՈՒՄ

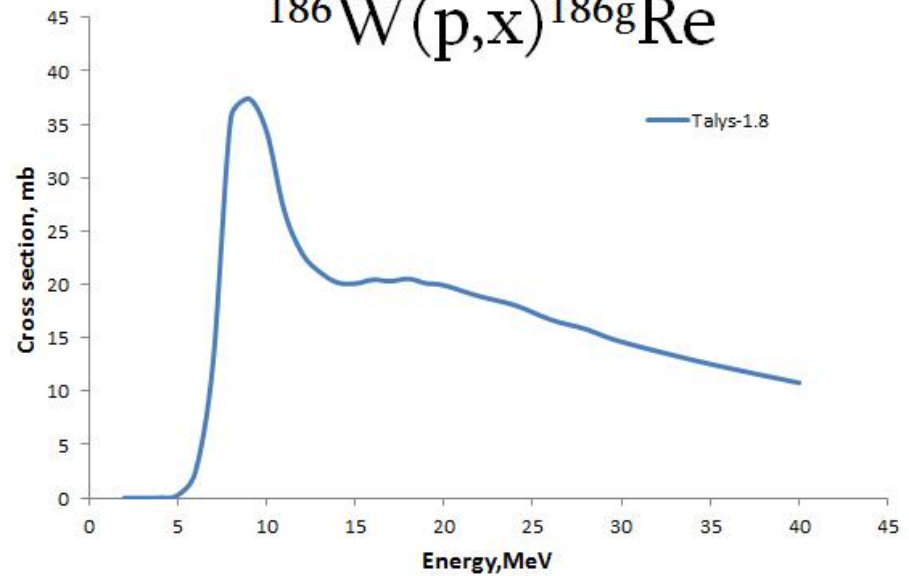
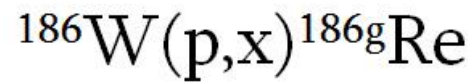
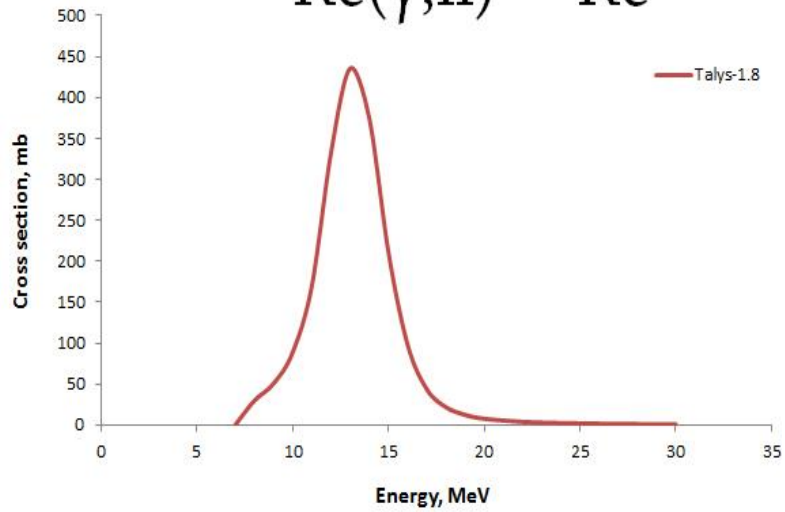
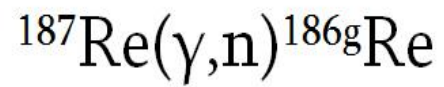
^{185}Re	37.4%
^{187}Re	62,6%

^{186g}Re , β^- , $T_{1/2} = 3.7$ օր, $E_\beta = 1.07$ ՄէՎ և 0.933 ՄէՎ, $E_\gamma = 137$ կէՎ

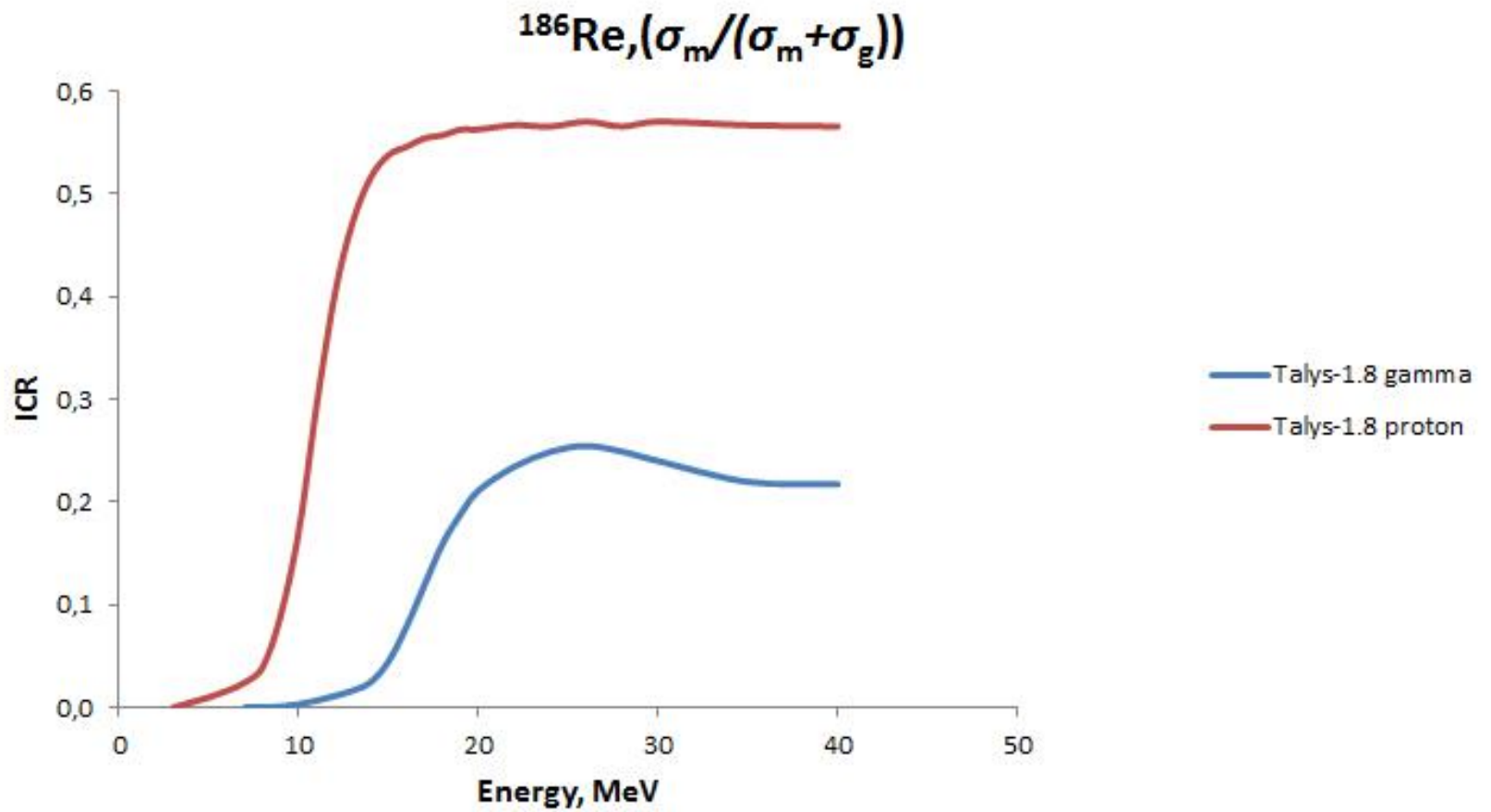


^{186m}Re , ^{186g}Re

Միջուկ	Սպին	Կյանքի տևողություն	Ռեակցիայի շեմ, ՄԷՎ	Ինտենսիվություն, ն, (%)	E_{γ} , կԷՎ
^{186g}Re	1^-	3.72 օր	7.36	92.5 (β^-) 7.5 (EC)	137.2 (9.47 %) 122.6 (0.6 %)
^{186m}Re	8^+	2×10^5 տարի	7.51	90 (IT) 10 (β^-)	40.4 (5 %) 59 (17.8 %)

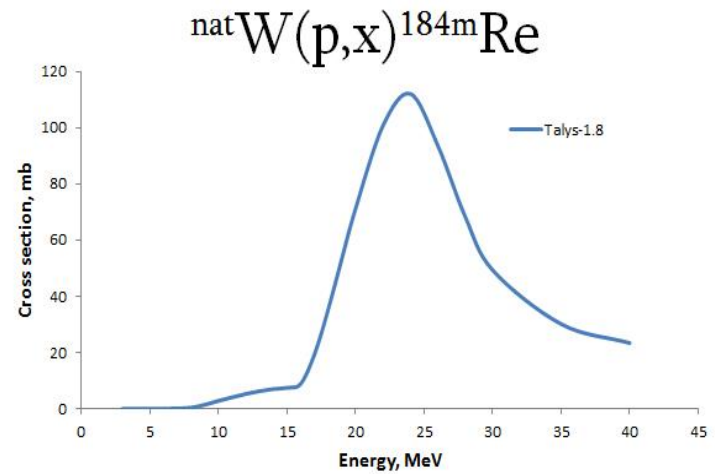
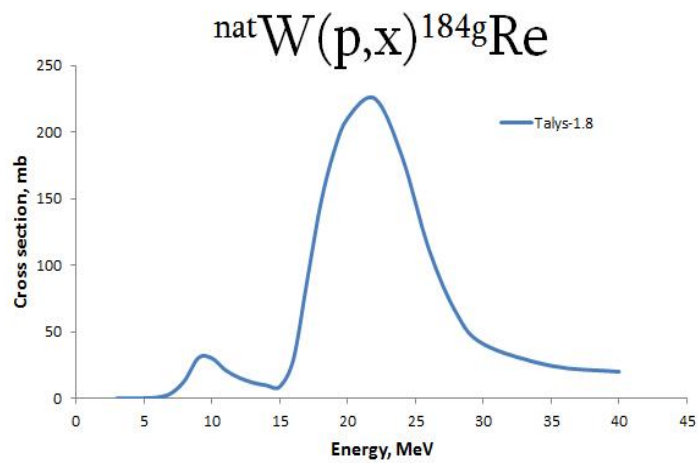
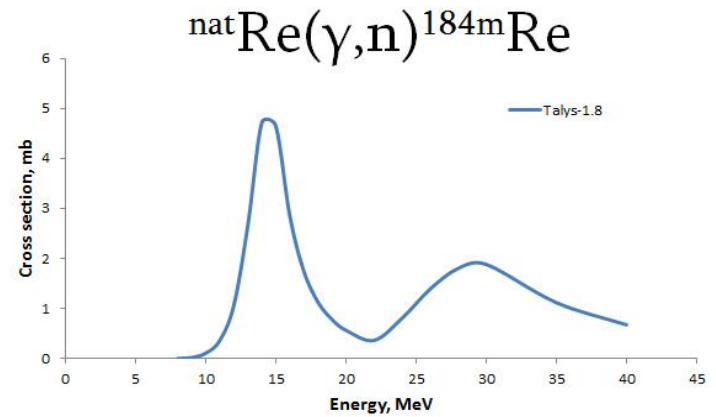
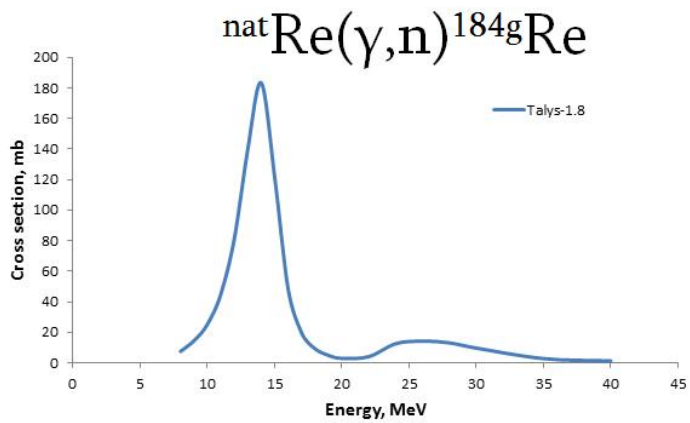


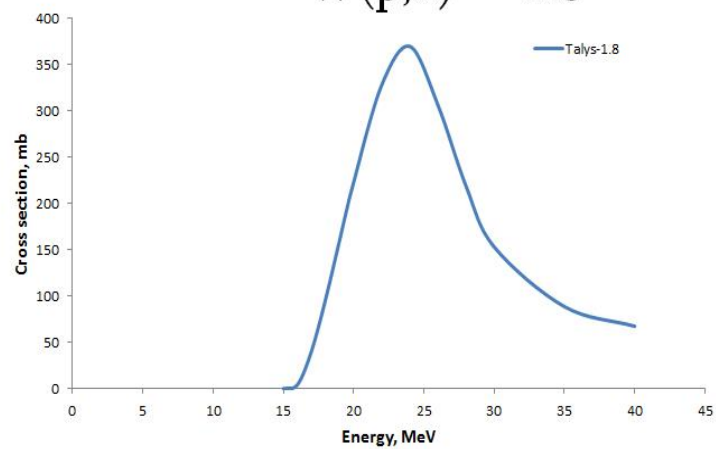
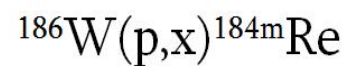
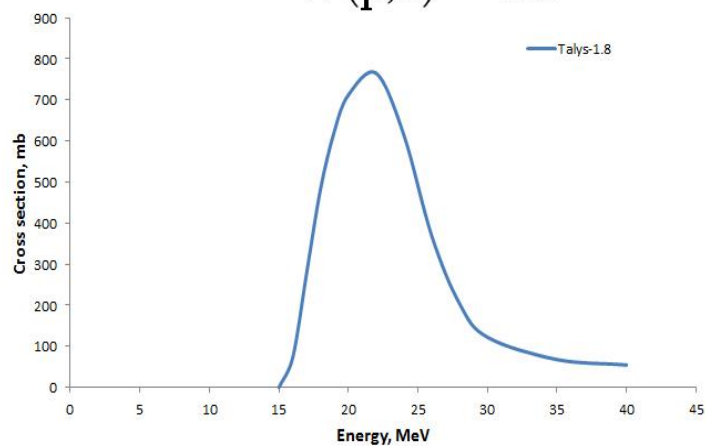
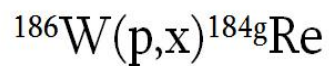
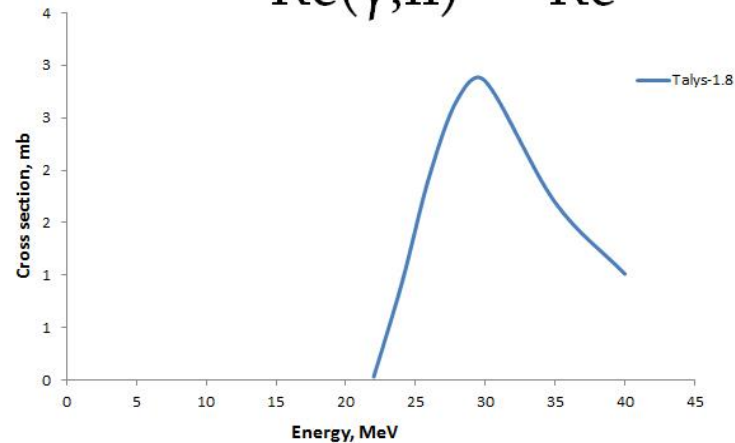
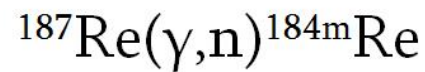
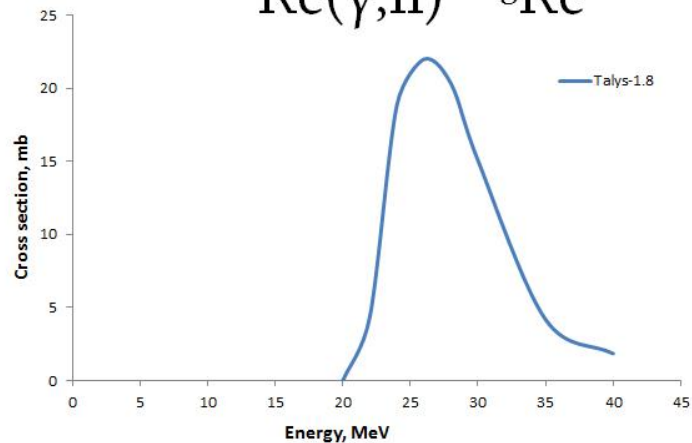
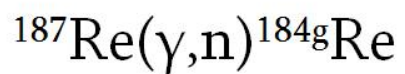
$^{187}\text{Re}(\gamma, n)^{186\text{m,g}}\text{Re}$, $^{186}\text{W}(p, x)^{186\text{m,g}}\text{Re}$



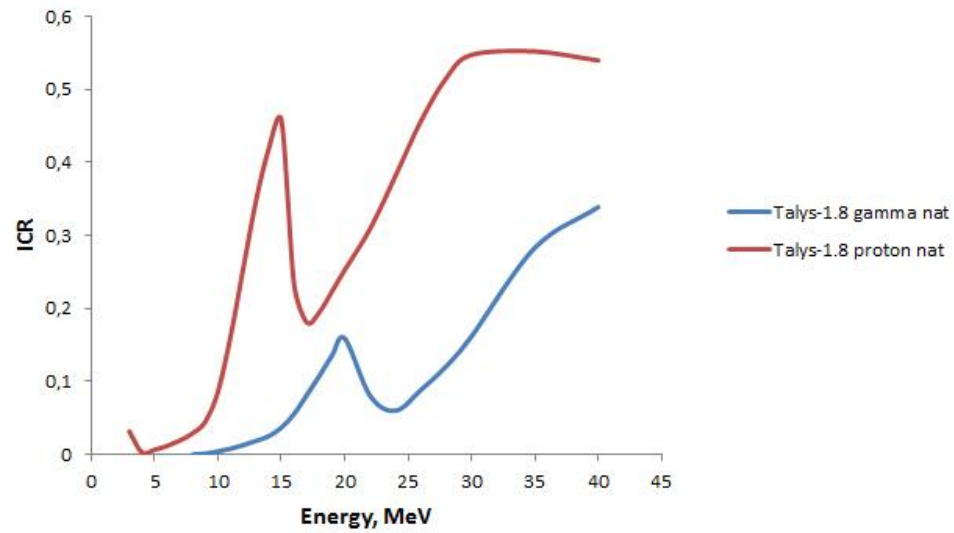
^{184m}Re , ^{184g}Re

Միջուկ	Կյանքի տևողություն	Ռեակցիա	Ռեակցիայի շեմ, ՄԷՎ	E_{γ} , կԷՎ	Ինտենսիվություն, %
^{184g}Re	38օր	$\text{natRe}(\gamma, xn)$	7.67	792.07	37.5
^{184m}Re	169 օր	$\text{natRe}(\gamma, xn)$	7.86	104.73	13.4

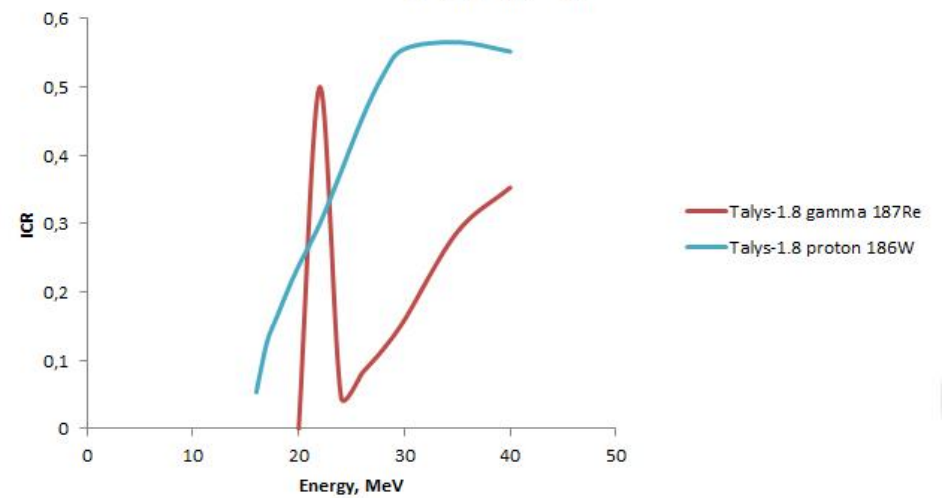




$$^{184}\text{Re}, (\sigma_m / (\sigma_m + \sigma_g))$$



$$^{184}\text{Re}, (\sigma_m / (\sigma_m + \sigma_g))$$



▶ ՇՆՈՐՀԱԿԱԼՈՒԹՅՈՒՆ