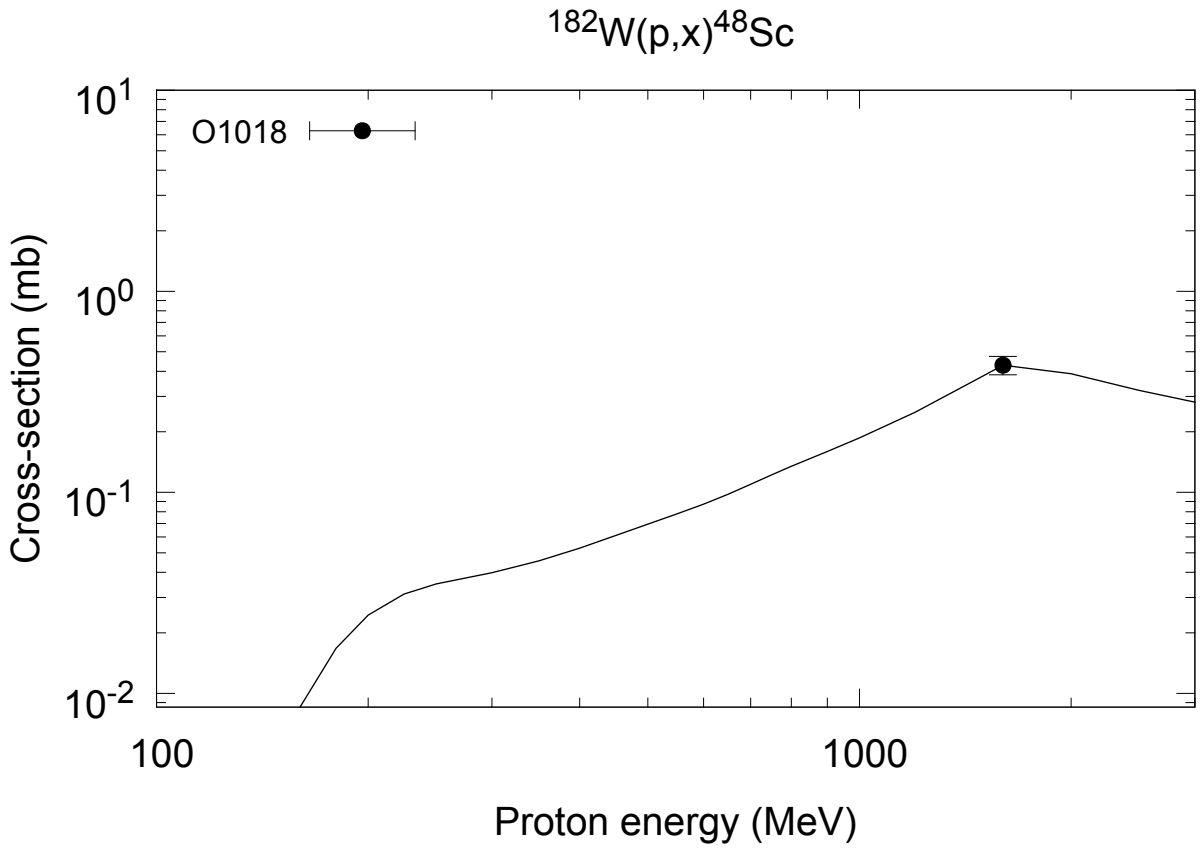
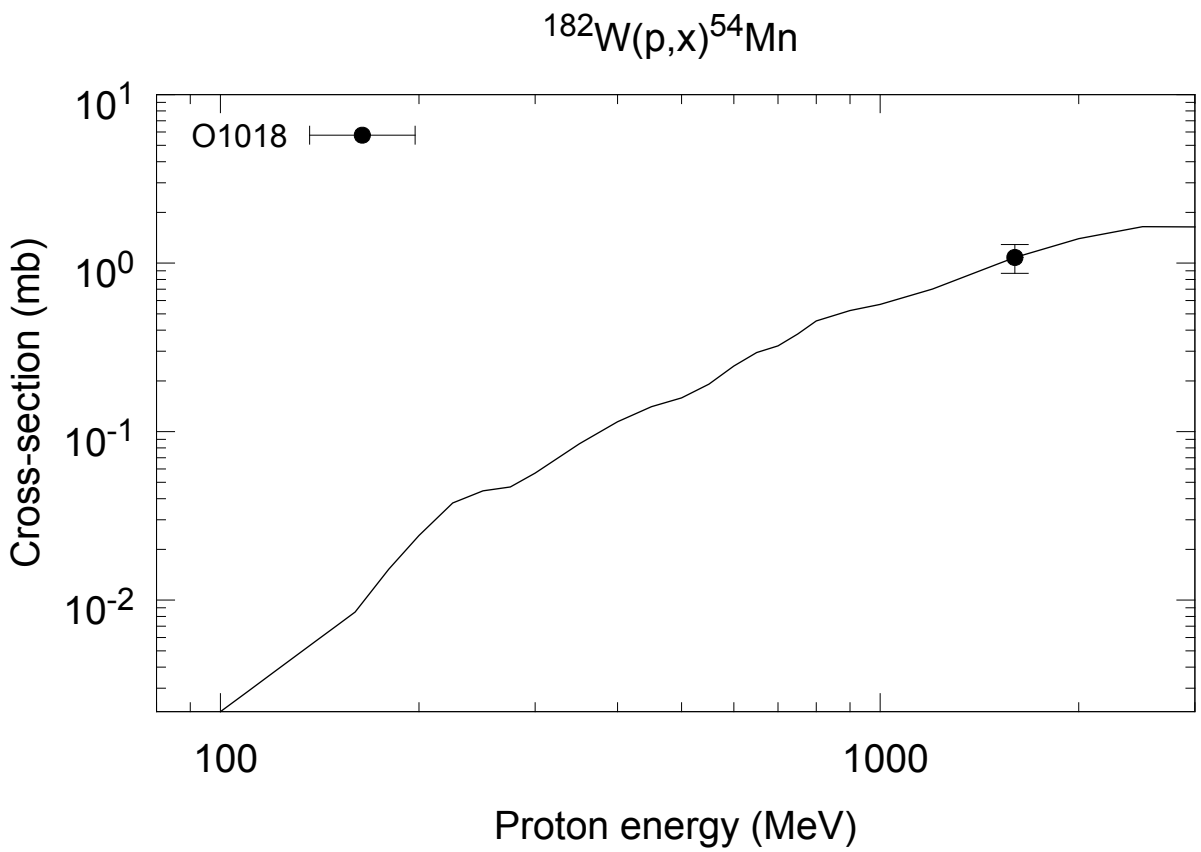
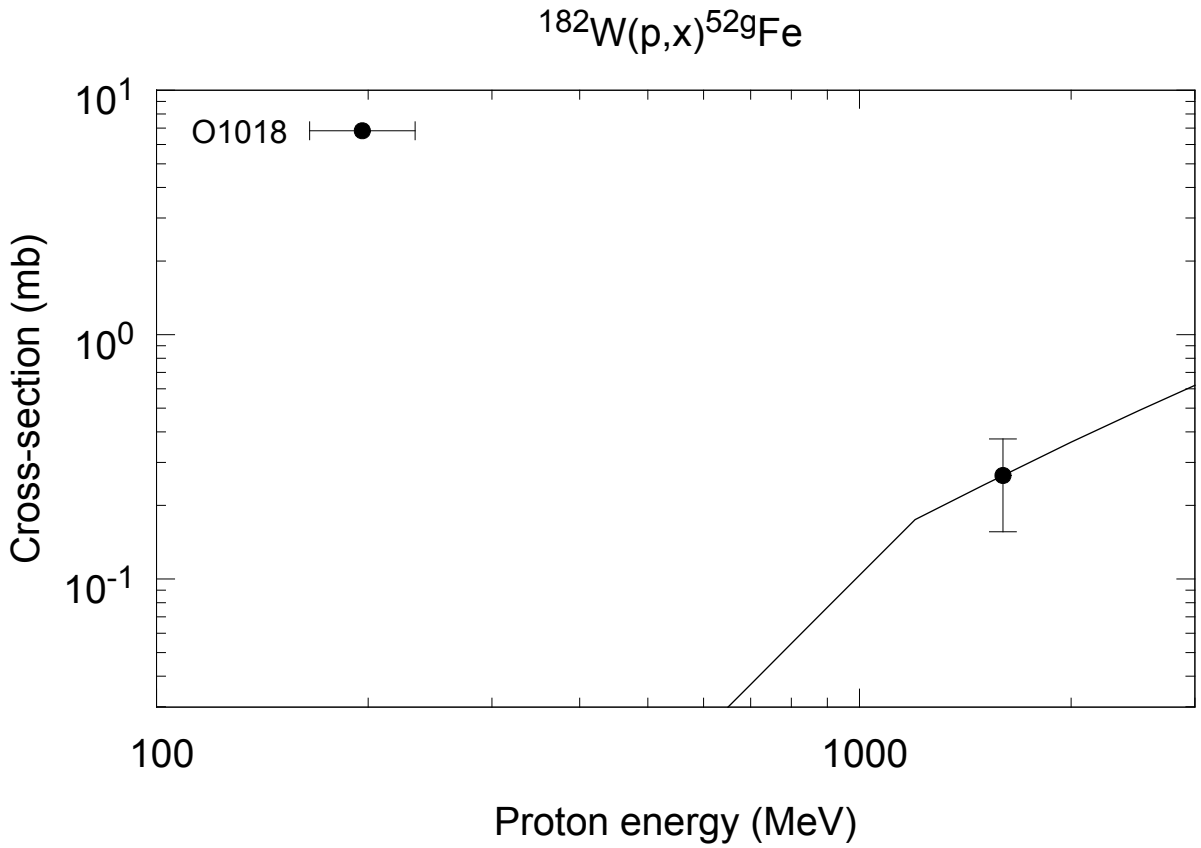
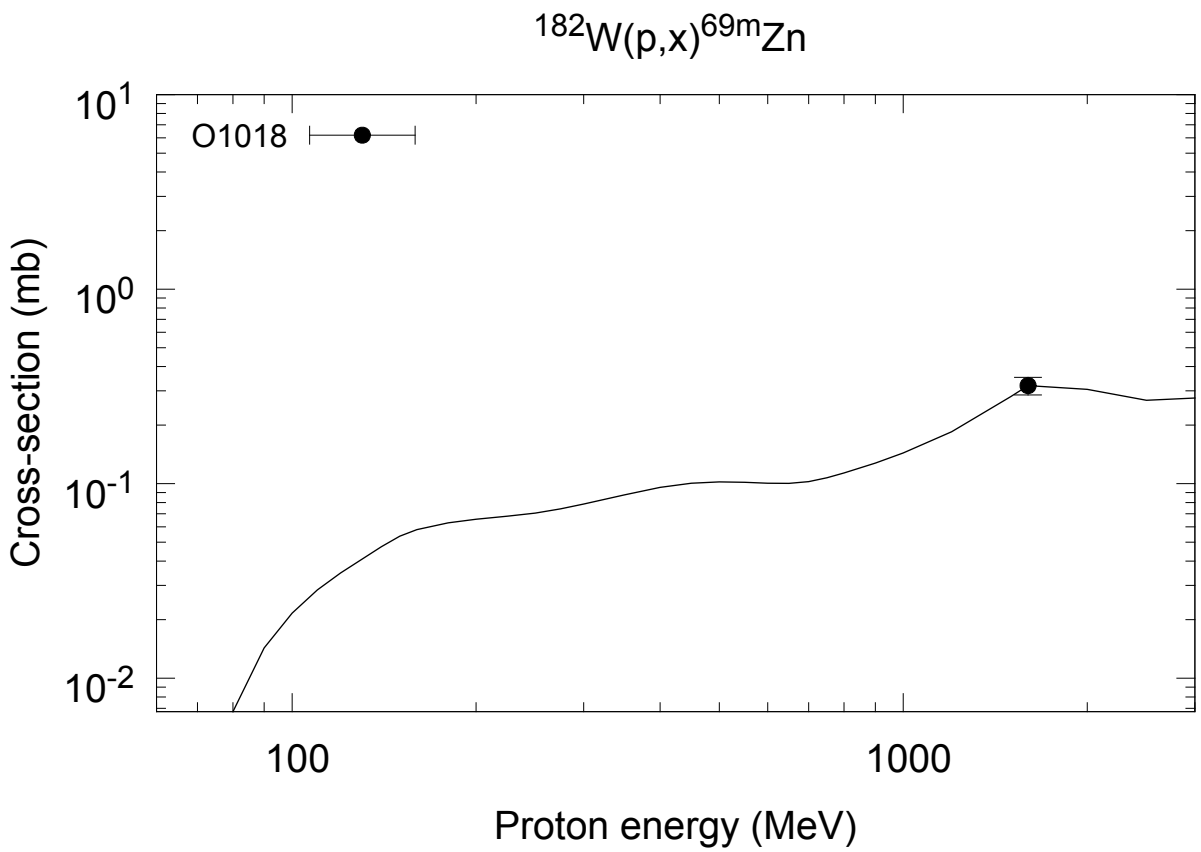
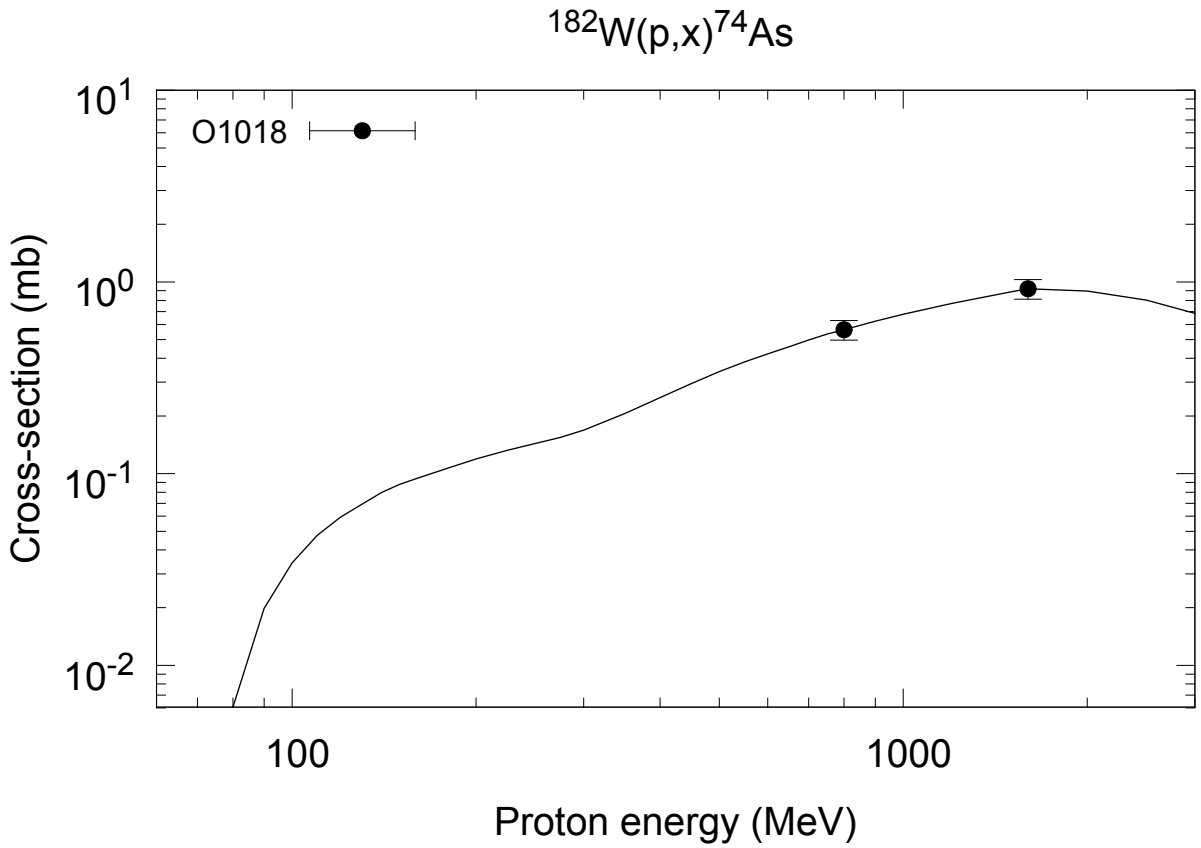
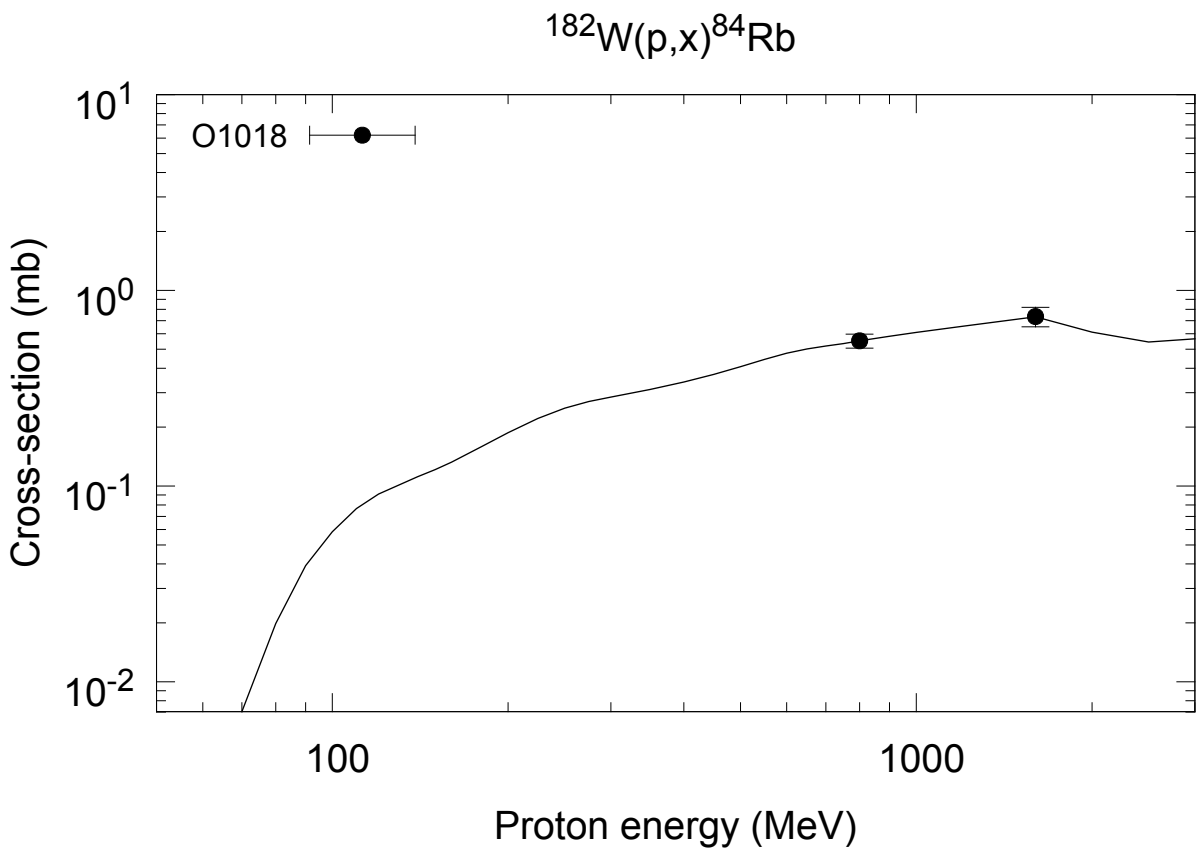

^{182}W(p,x)^{48}Sc
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

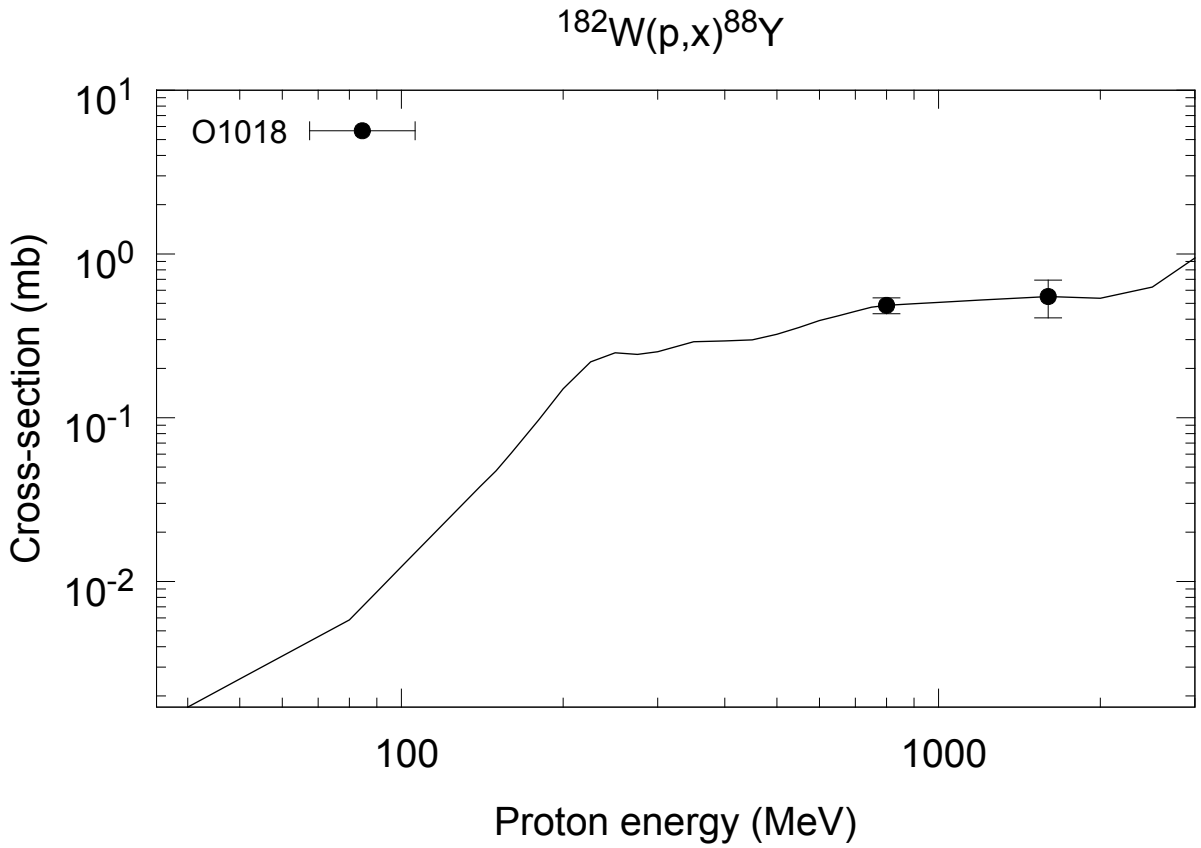

^{182}W(p,x)^{54}Mn
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

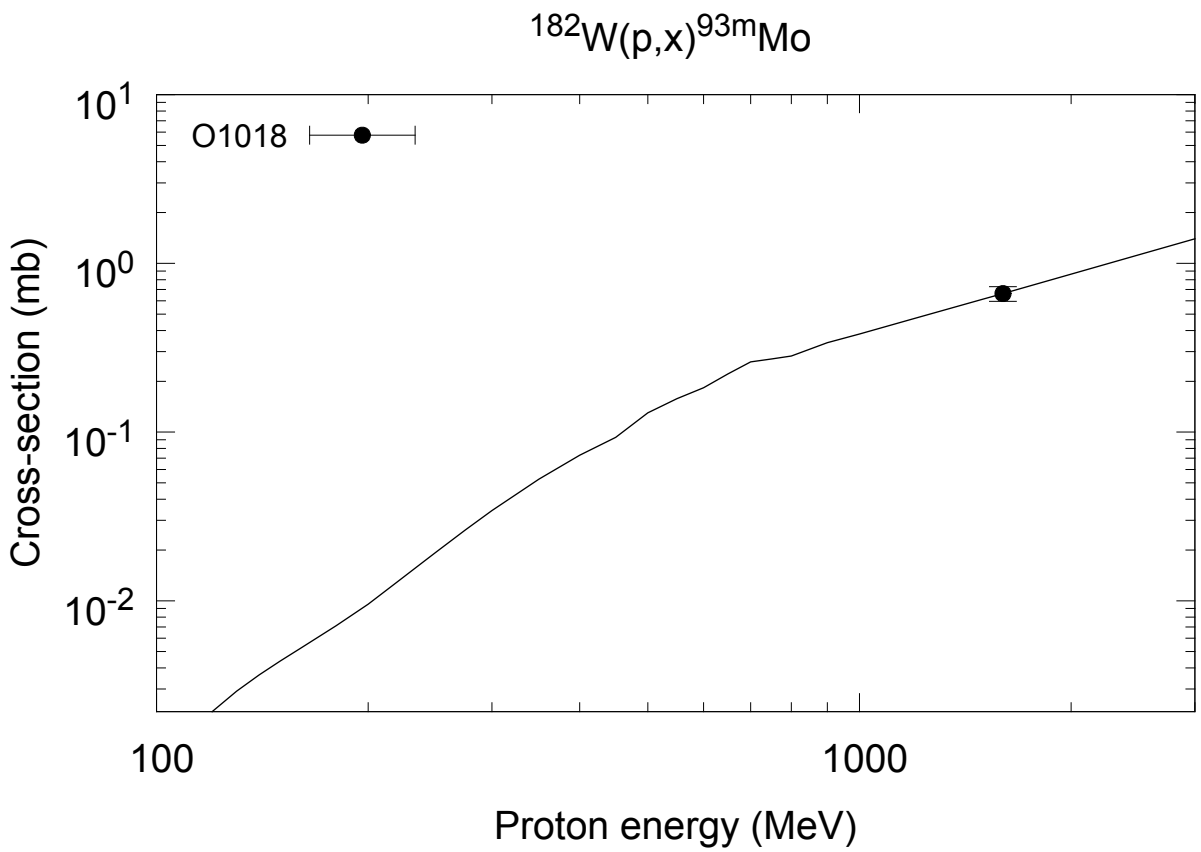

$^{182}W(p,x)^{52g}Fe$
O1018
Cross-section (mb)
10^1
10^0
10^{-1}
100
1000
Proton energy (MeV)

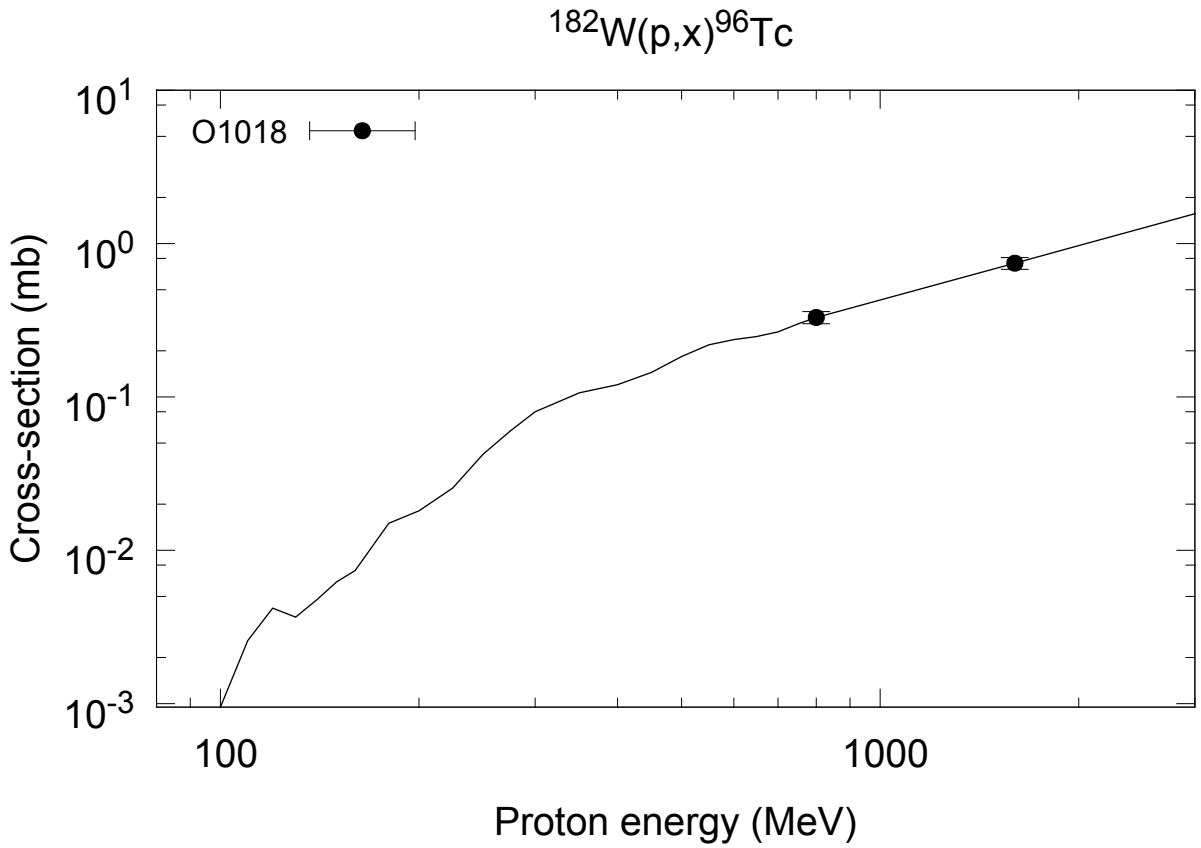

$^{182}W(p,x)^{69m}Zn$
O1018
Cross-section (mb)
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

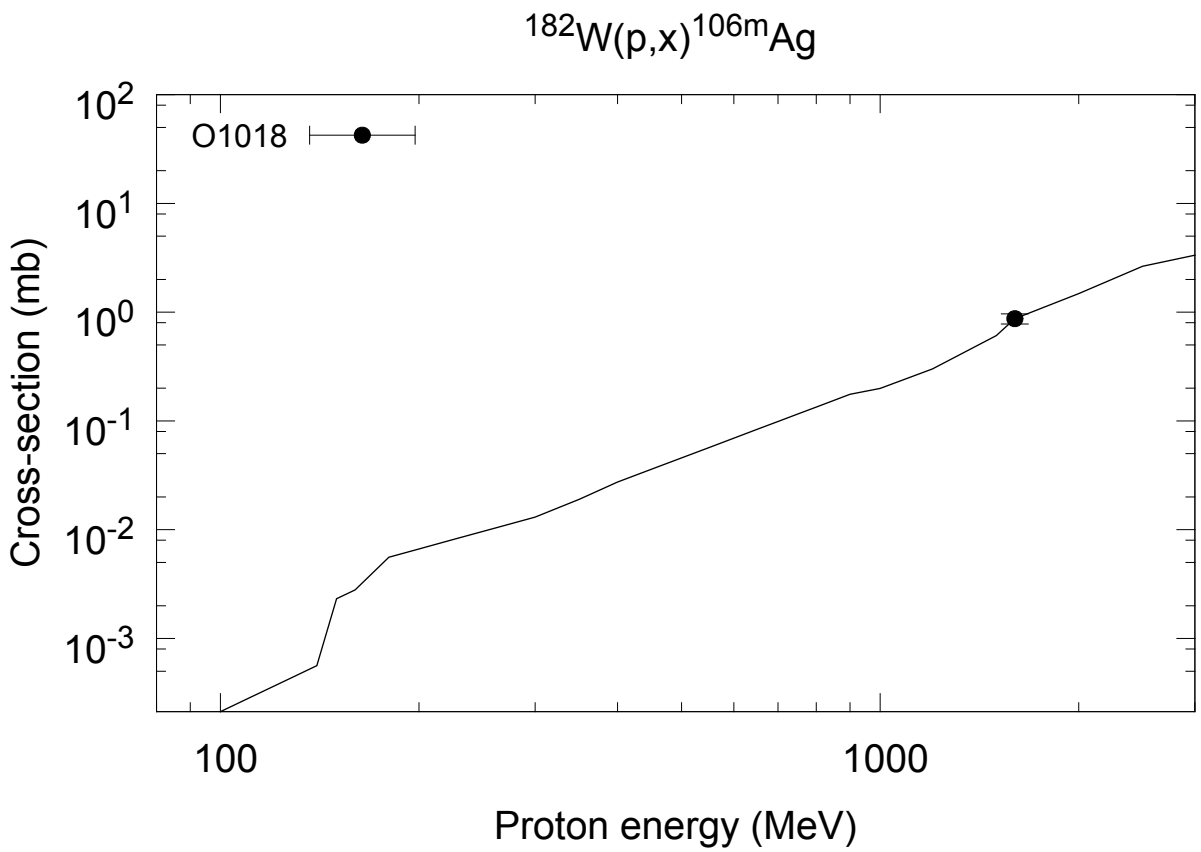

^{182}W(p,x)^{74}As
O1018
Cross-section (mb)
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

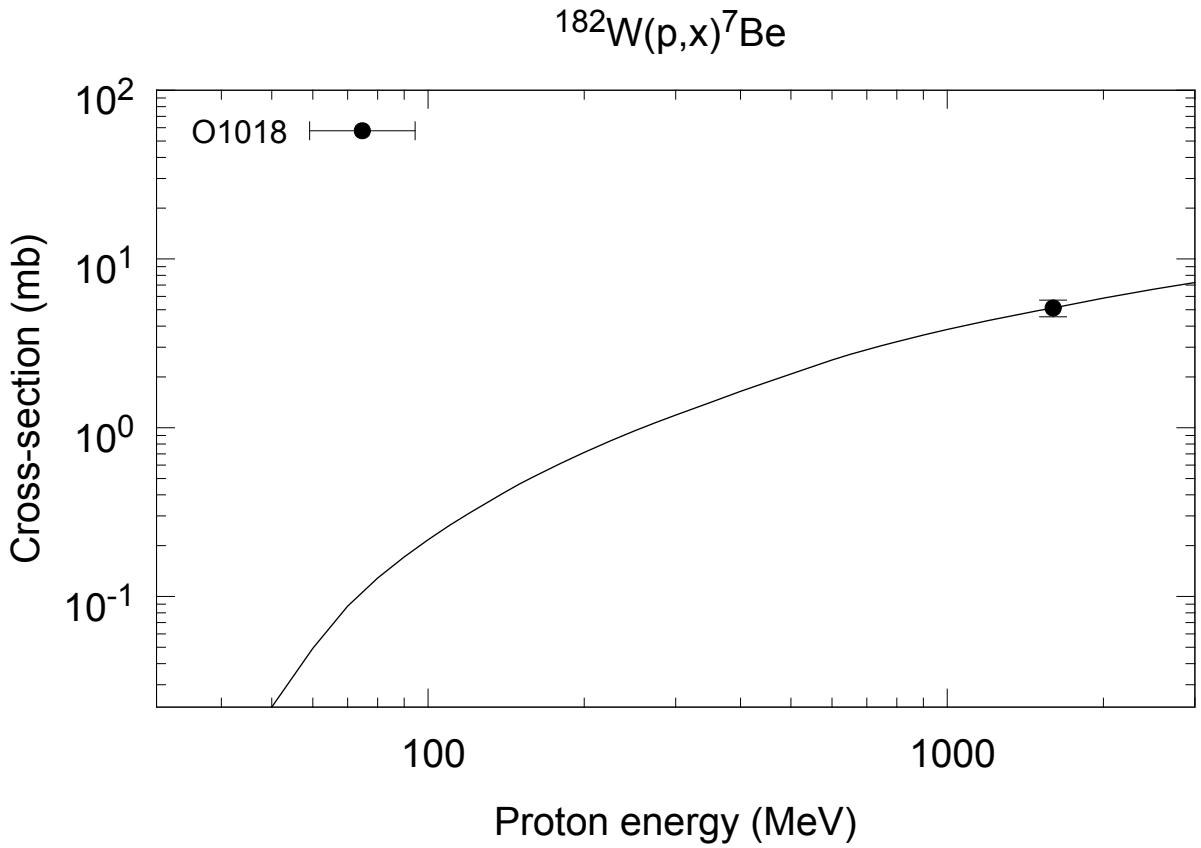

^{182}W(p,x)^{84}Rb
O1018
Cross-section (mb)
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

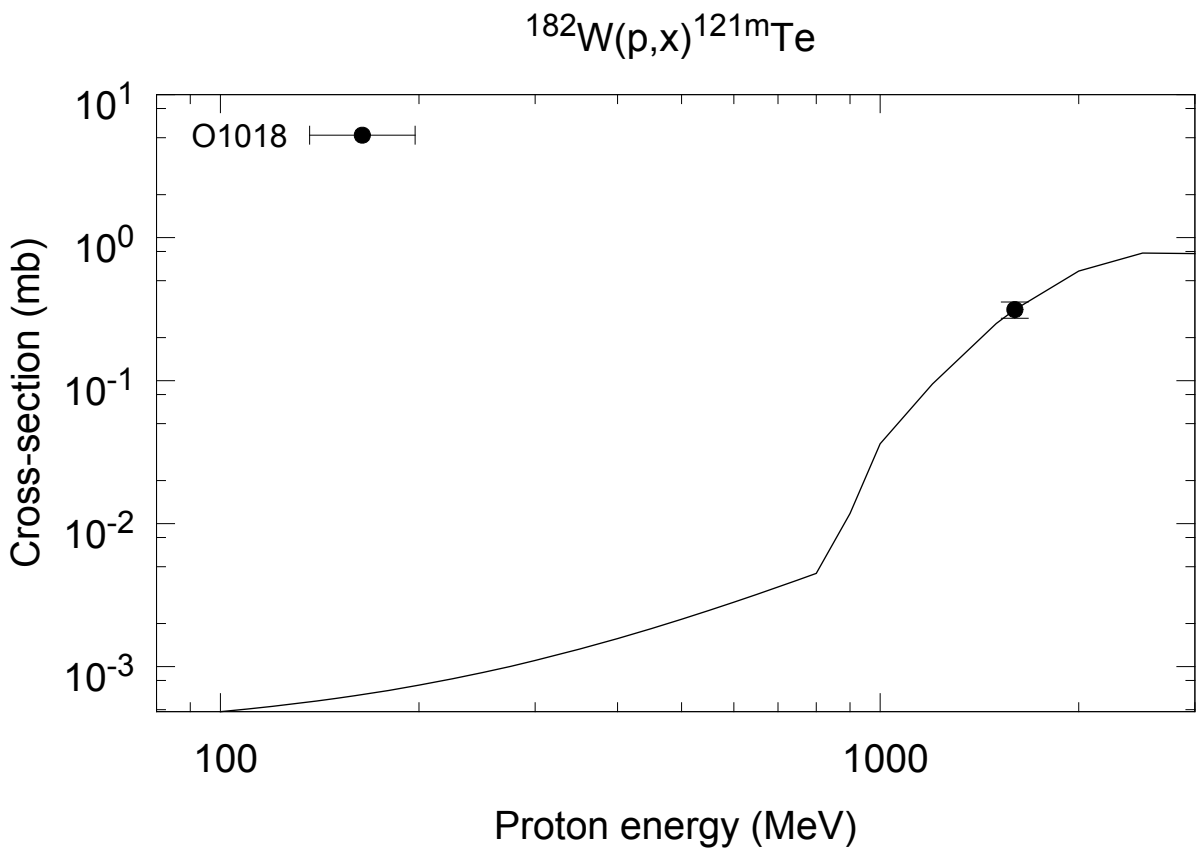

$^{182}W(p,x)^{88}Y$
O1018
10^1
10^0
10^{-1}
10^{-2}
Cross-section (mb)
100
1000
Proton energy (MeV)

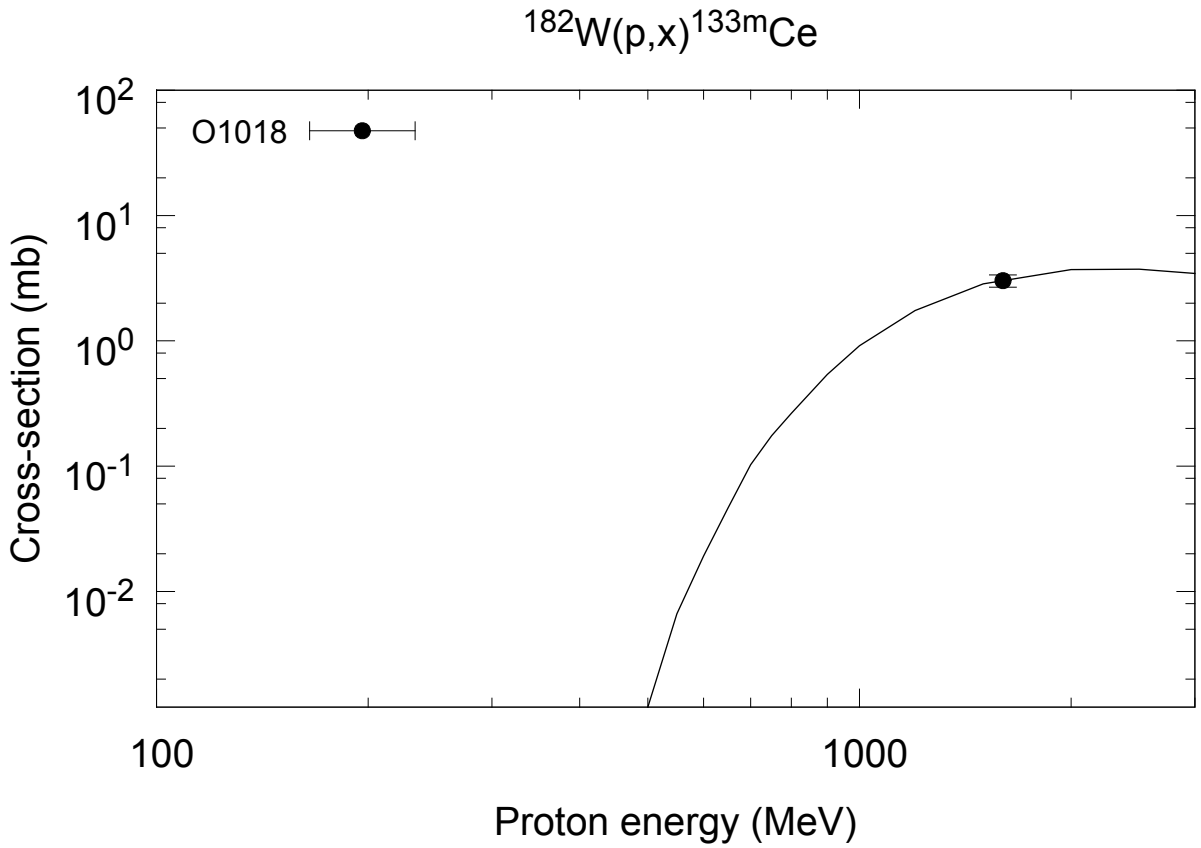

$^{182}W(p,x)^{93m}Mo$
O1018
10^1
10^0
10^{-1}
10^{-2}
Cross-section (mb)
100
1000
Proton energy (MeV)

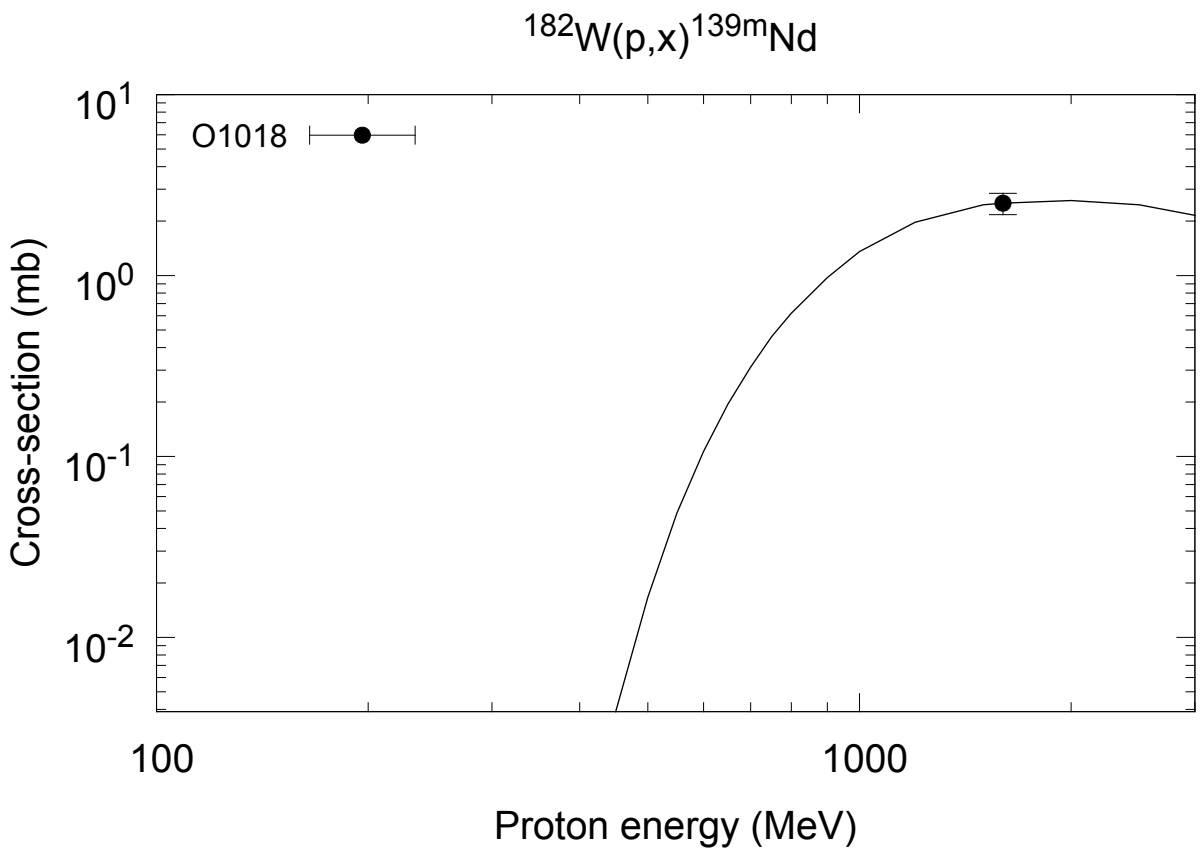

^{182}W(p,x)^{96}Tc
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

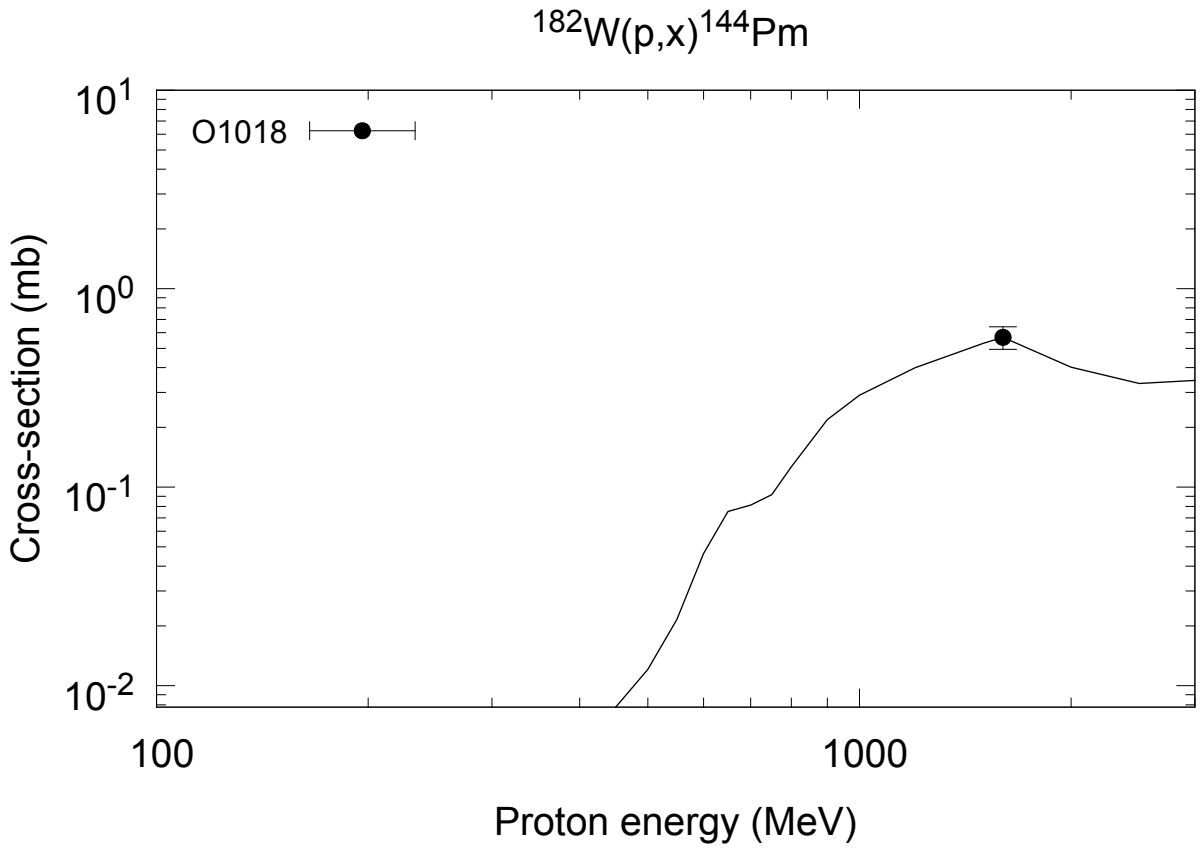

^{182}W(p,x)^{106m}Ag
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

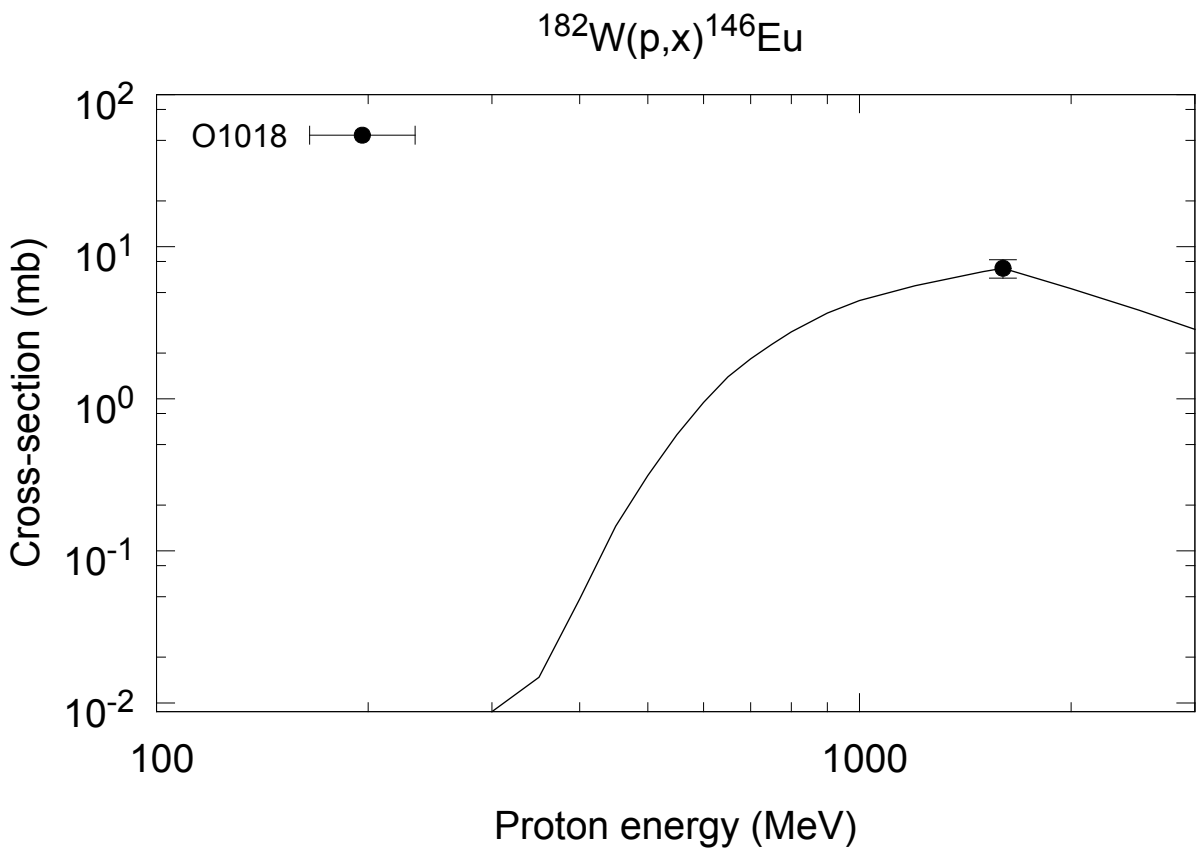

$^{182}W(p,x)^{7}Be$
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
100
1000
Proton energy (MeV)

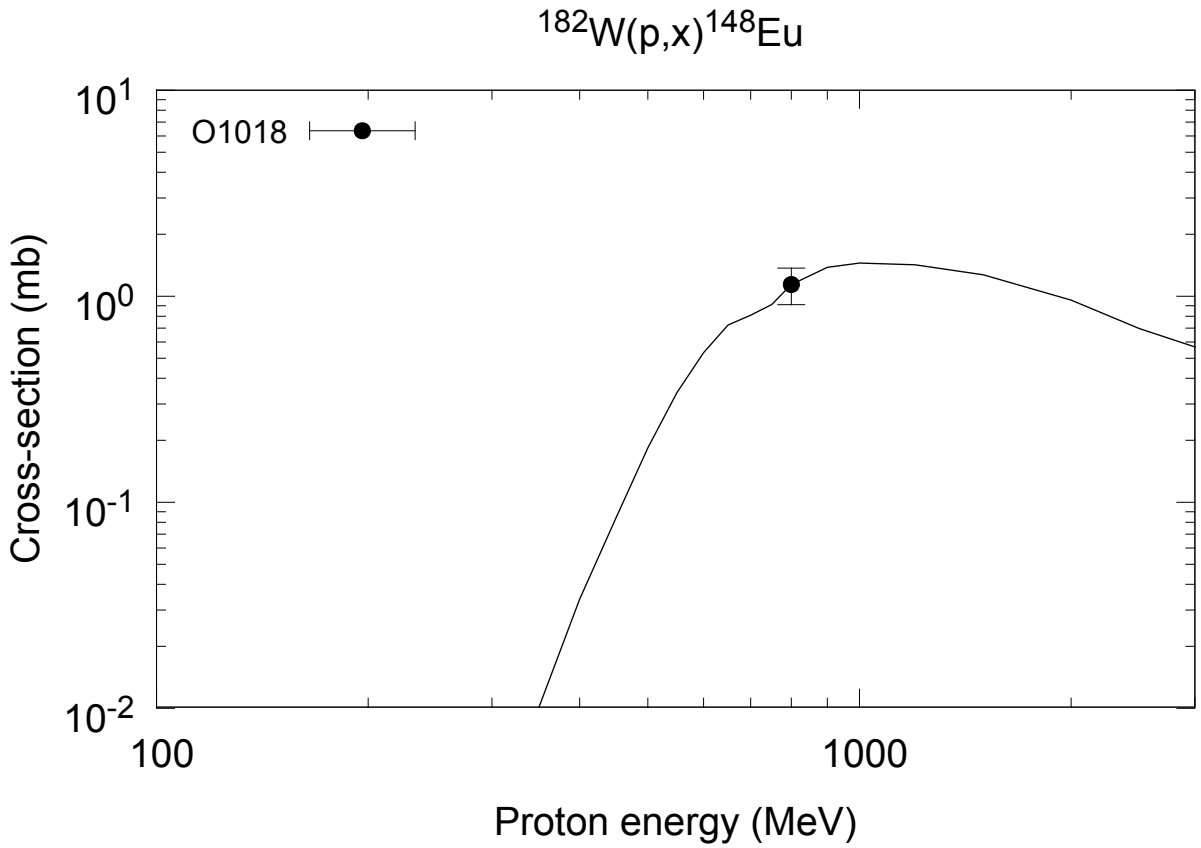

$^{182}W(p,x)^{121m}Te$
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

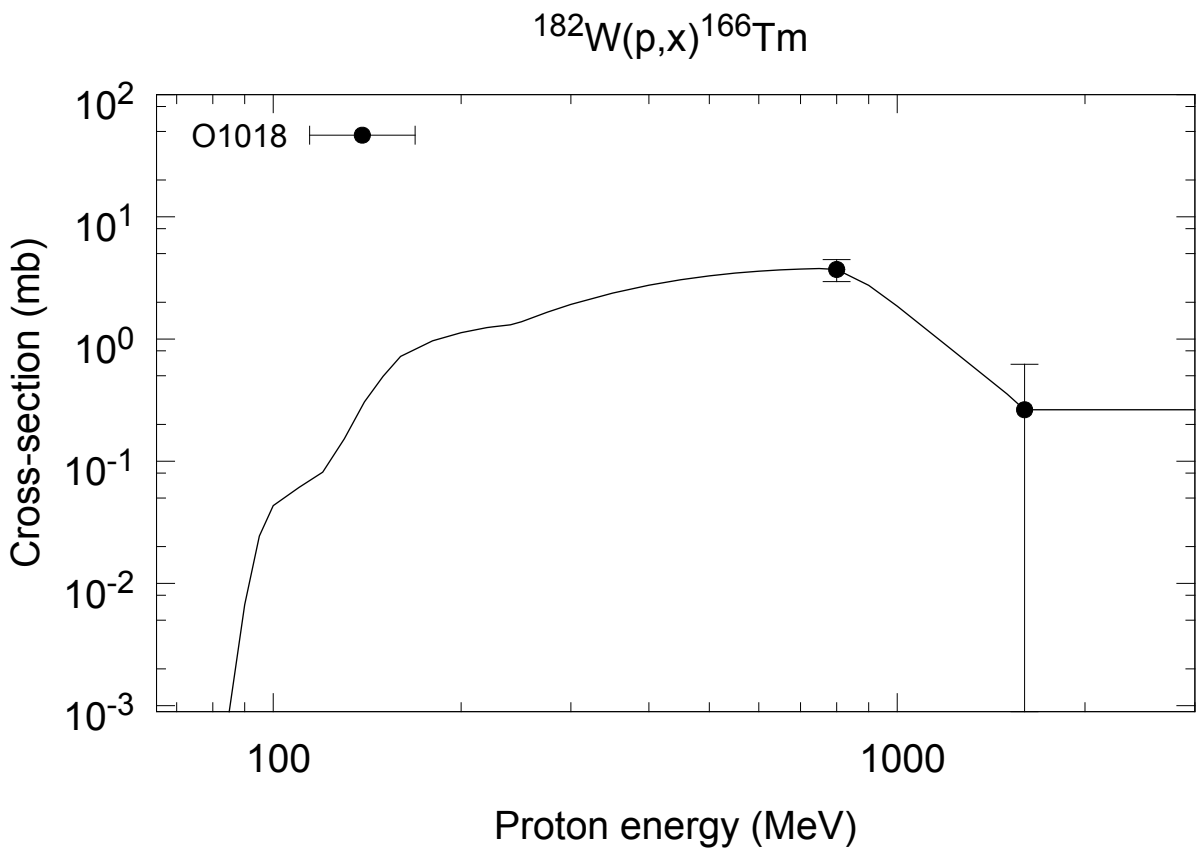

^{182}W(p,x)^{133m}Ce
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

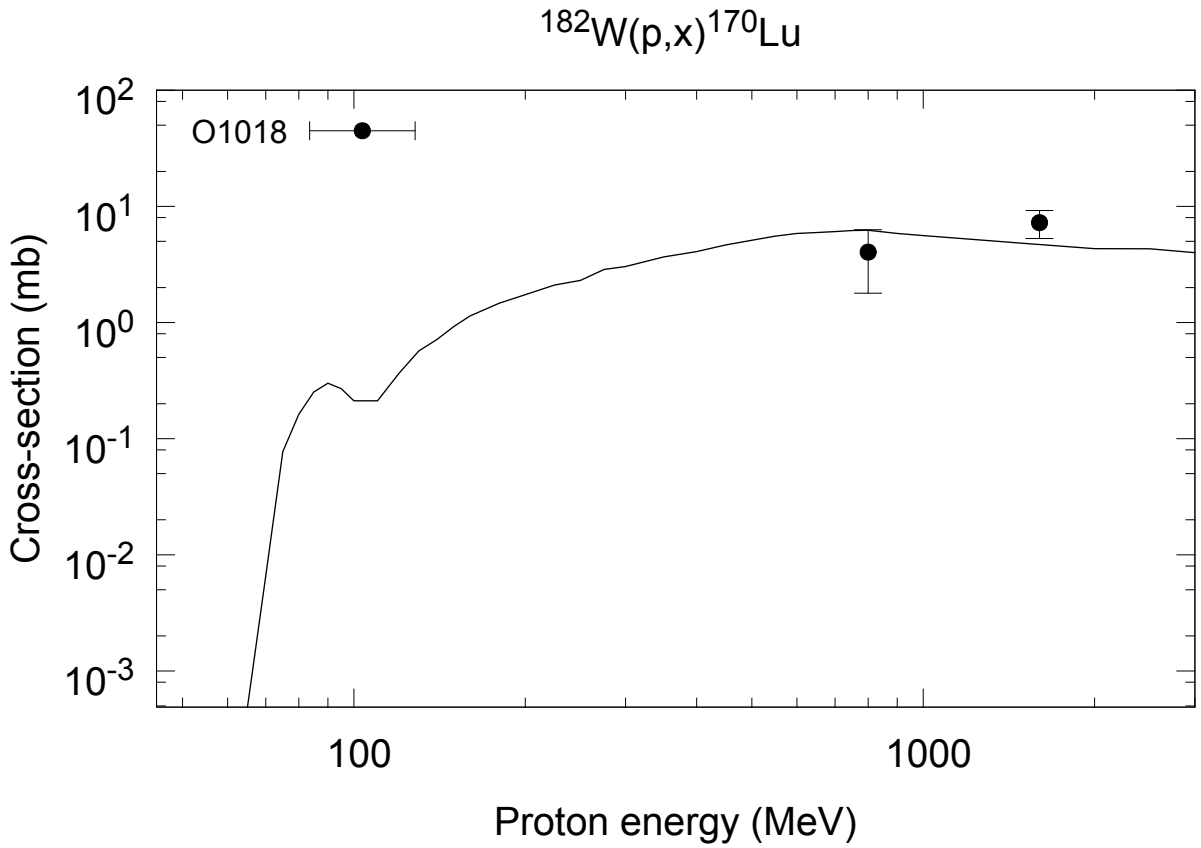

^{182}W(p,x)^{139m}Nd
O1018
Cross-section (mb)
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

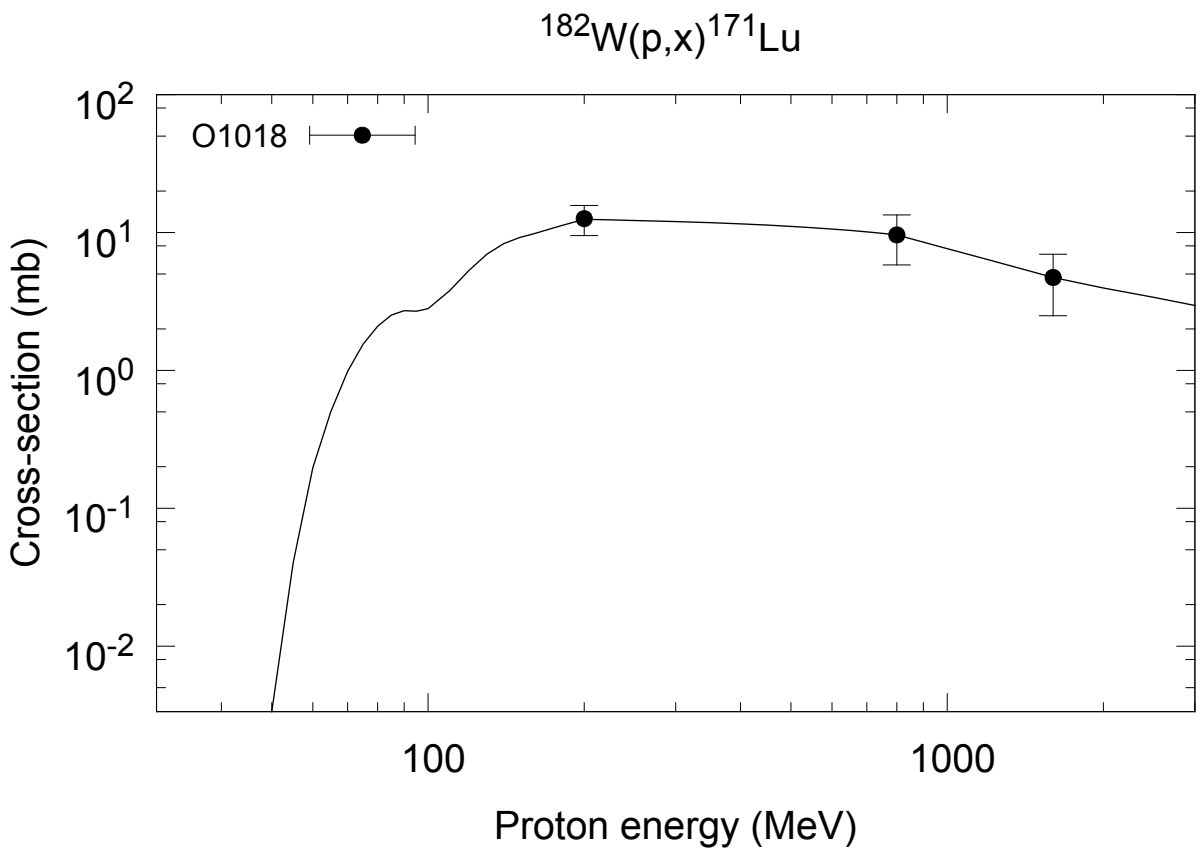

^{182}W(p,x)^{144}Pm
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

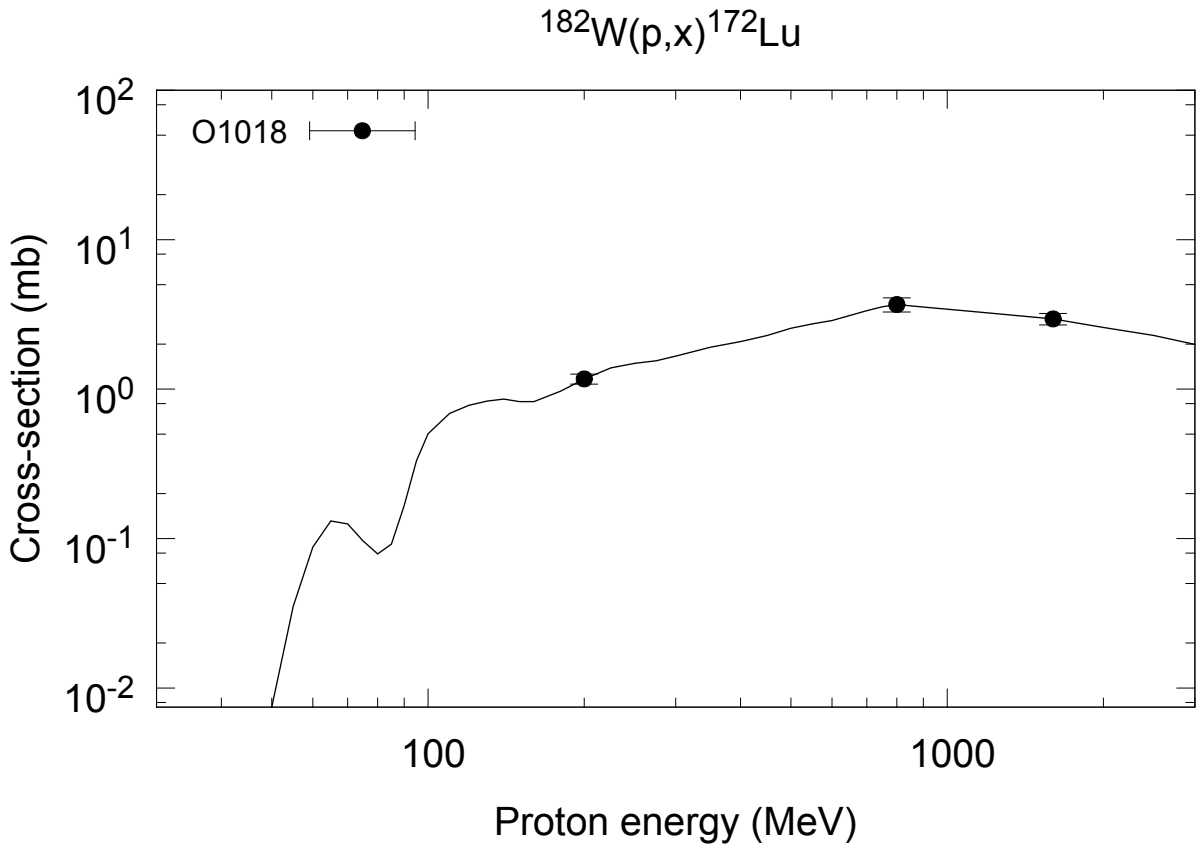

^{182}W(p,x)^{146}Eu
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

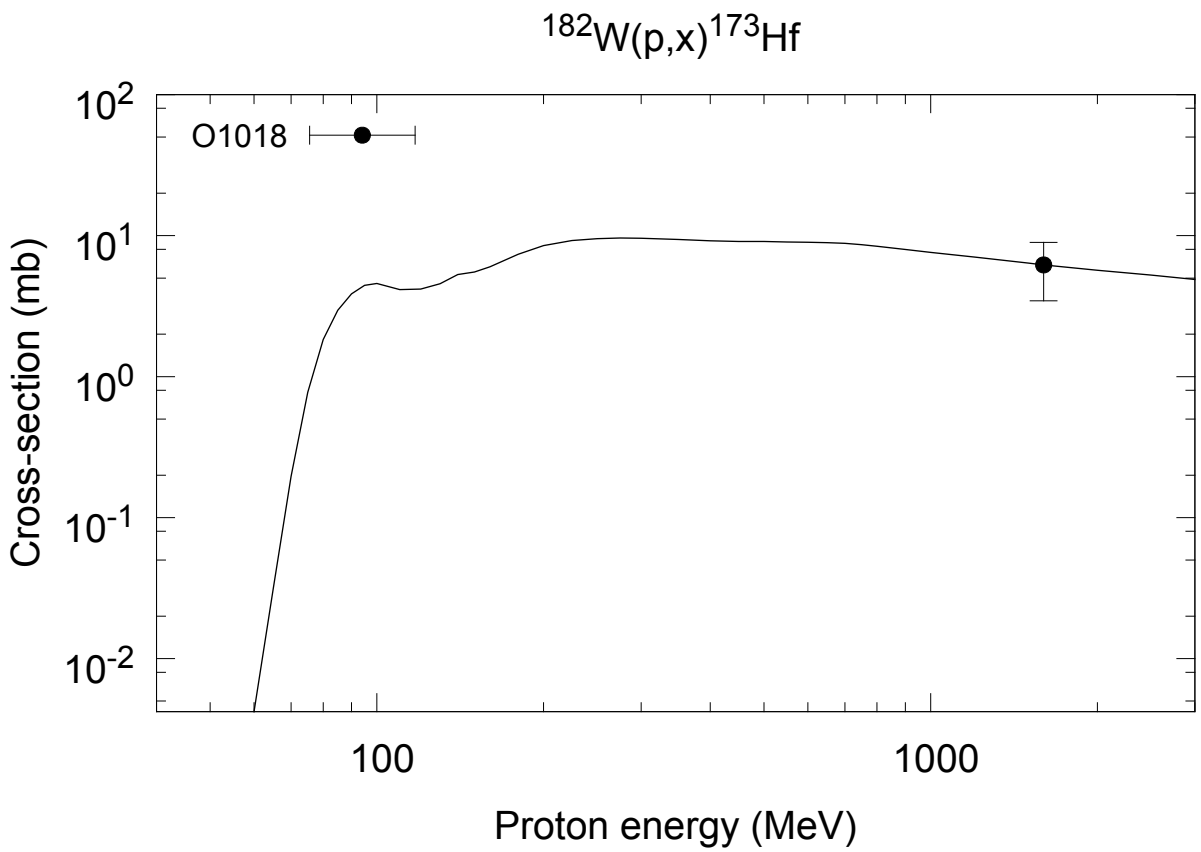

^{182}W(p,x)^{148}Eu
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

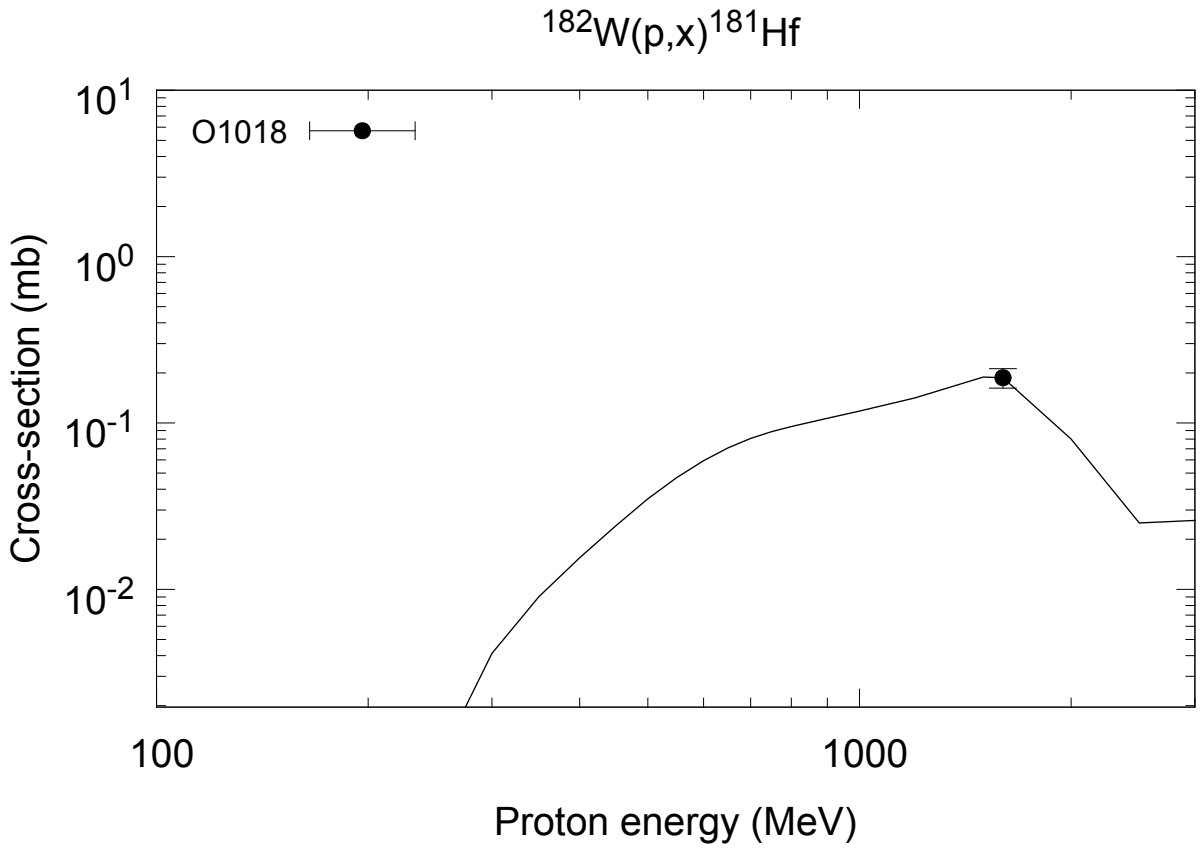

^{182}W(p,x)^{166}Tm
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

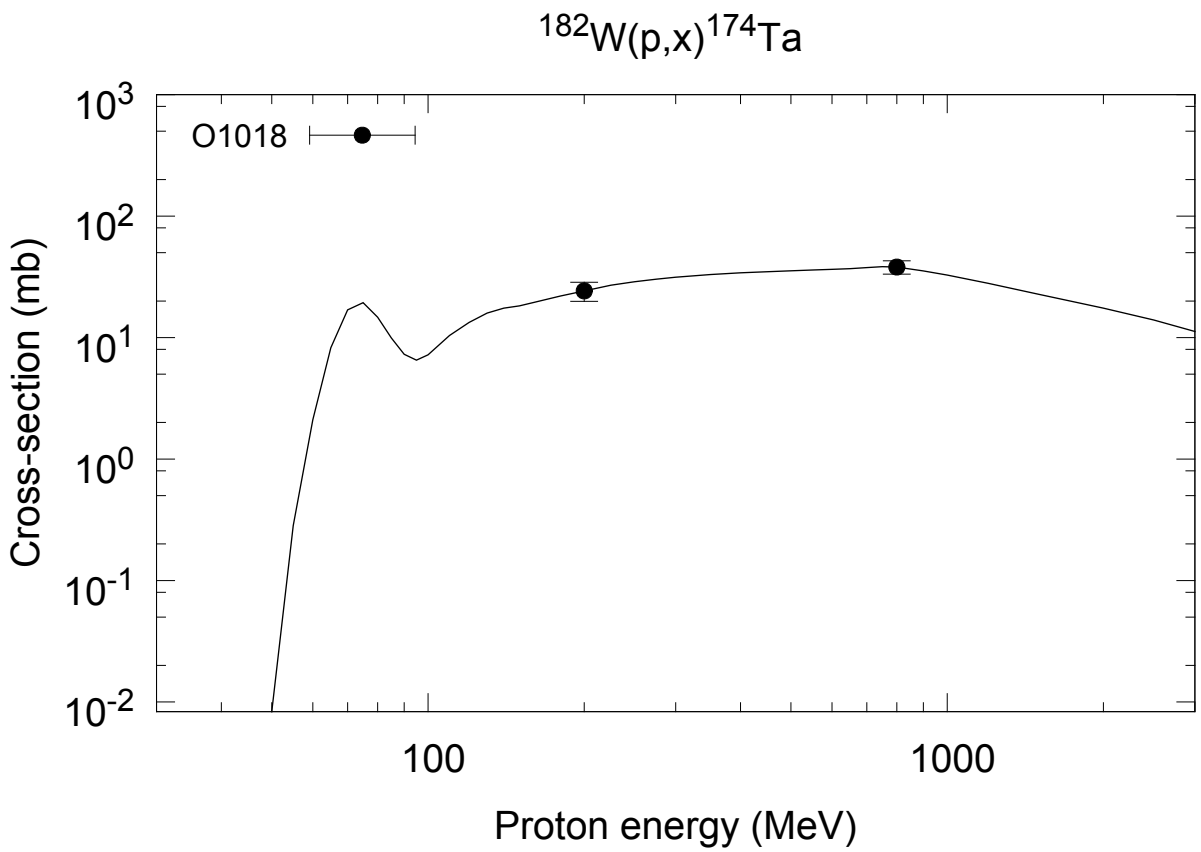

^{182}W(p,x)^{170}Lu
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

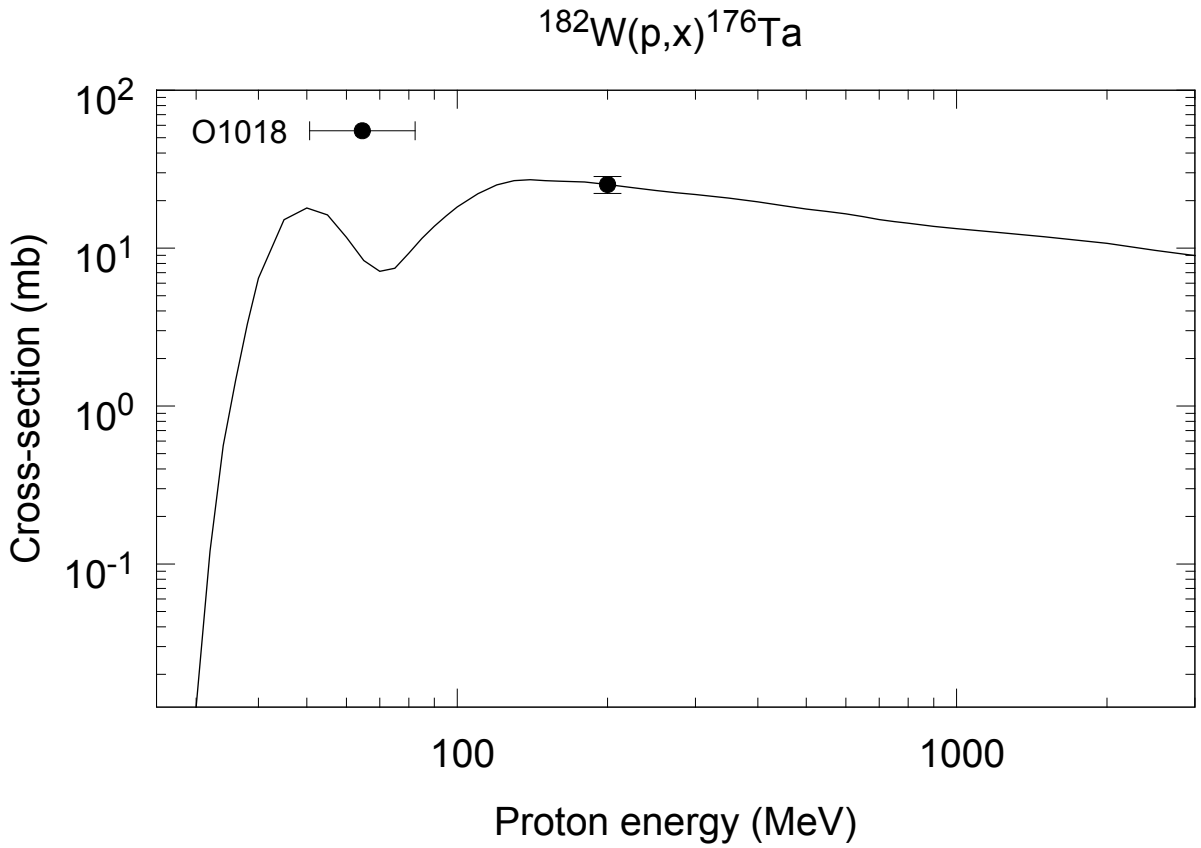

^{182}W(p,x)^{171}Lu
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

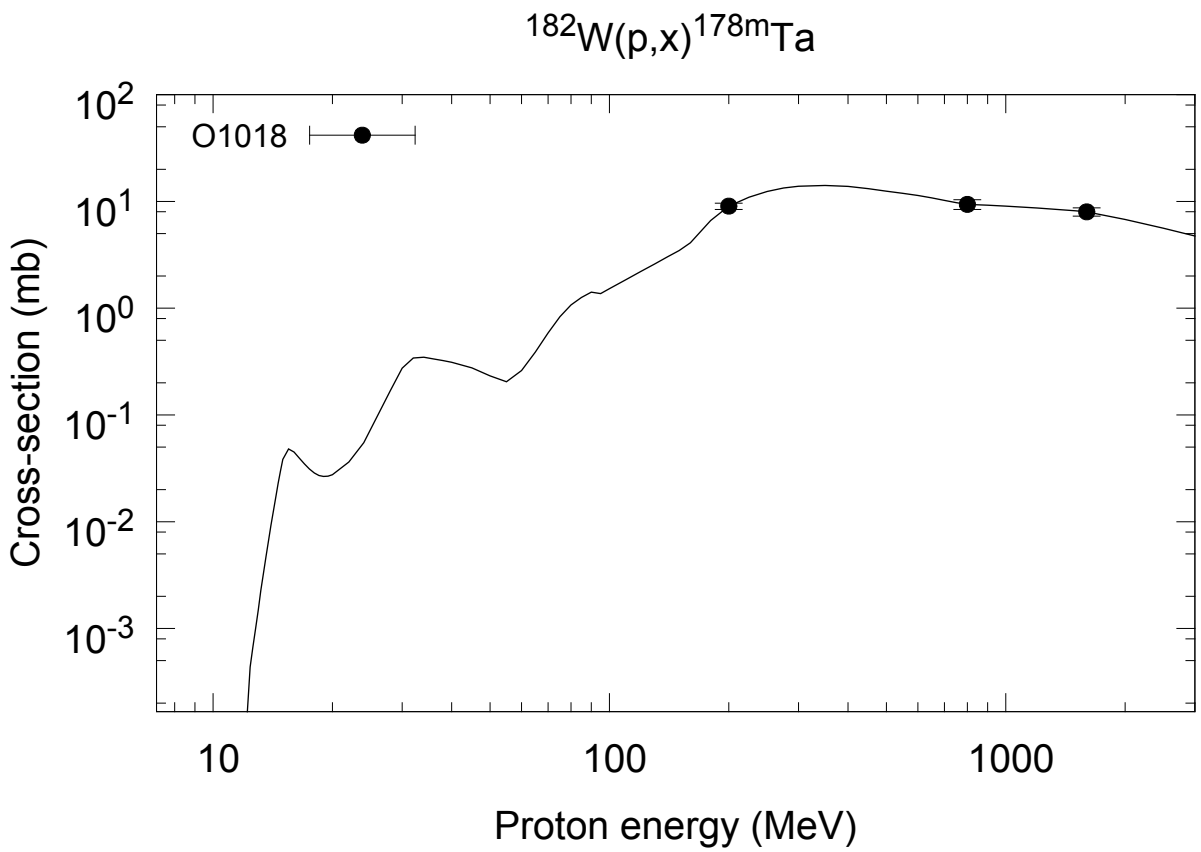

^{182}W(p,x)^{172}Lu
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

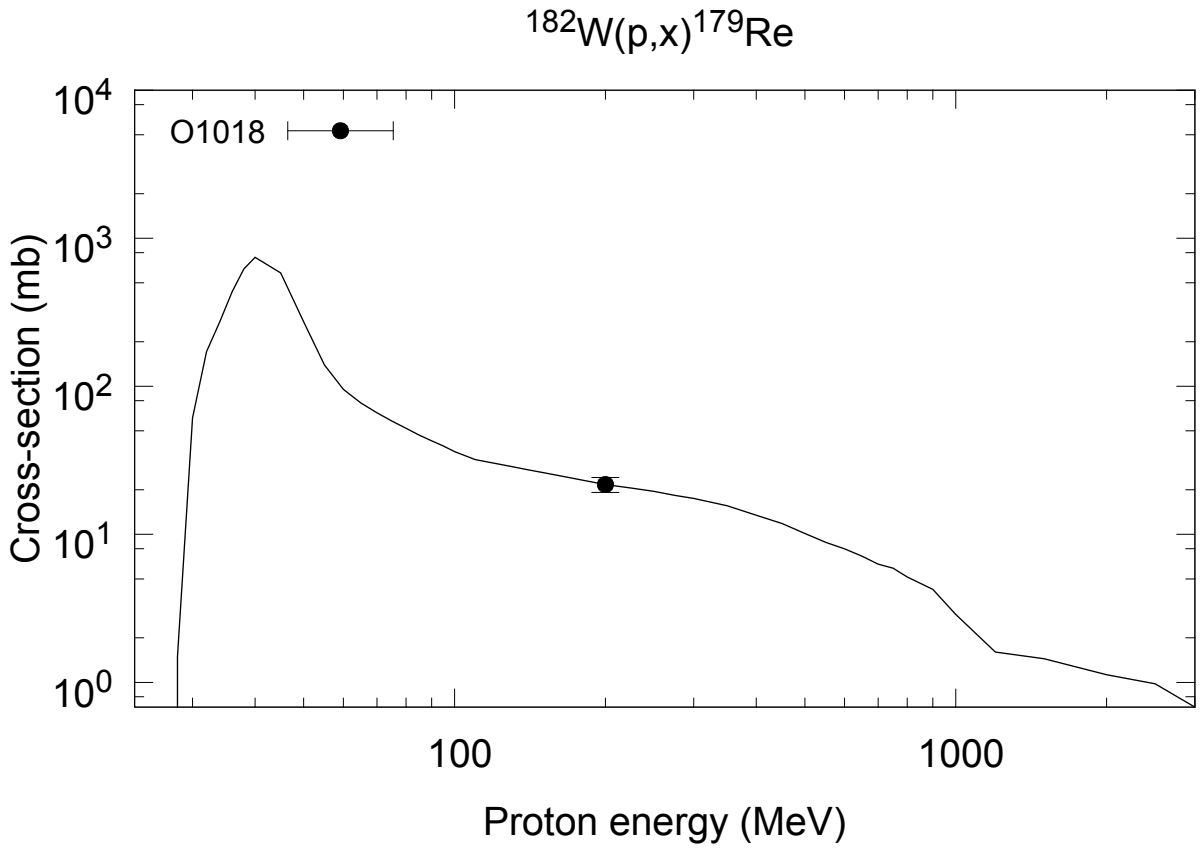

^{182}W(p,x)^{173}Hf
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

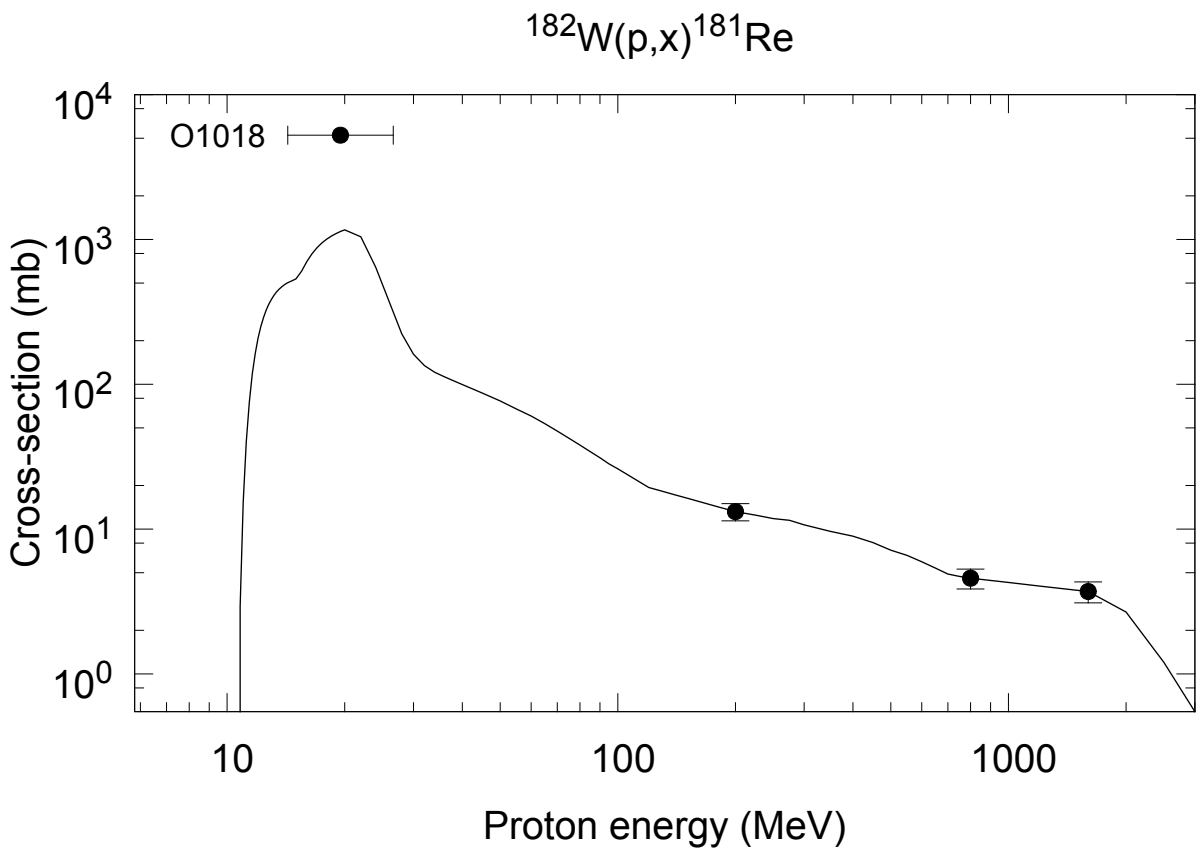

^{182}W(p,x)^{181}Hf
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

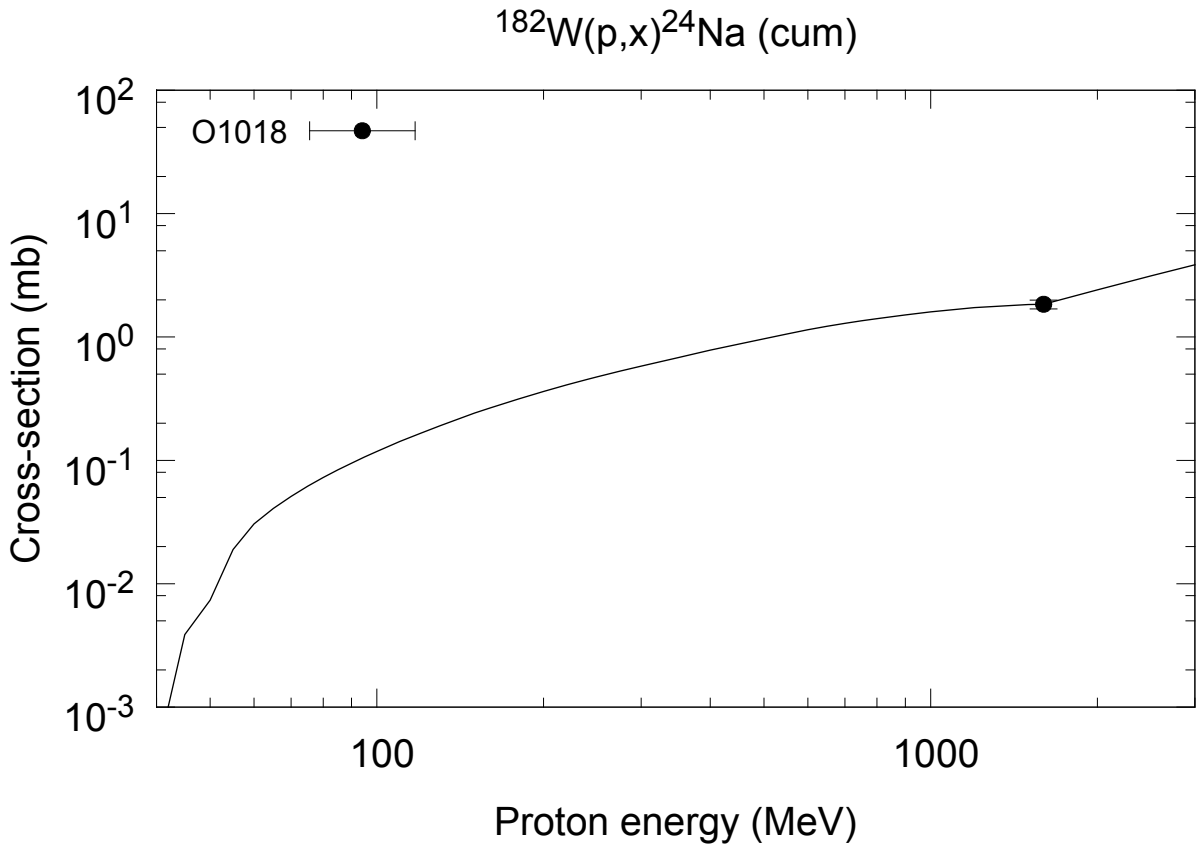

^{182}W(p,x)^{174}Ta
O1018
Cross-section (mb)
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

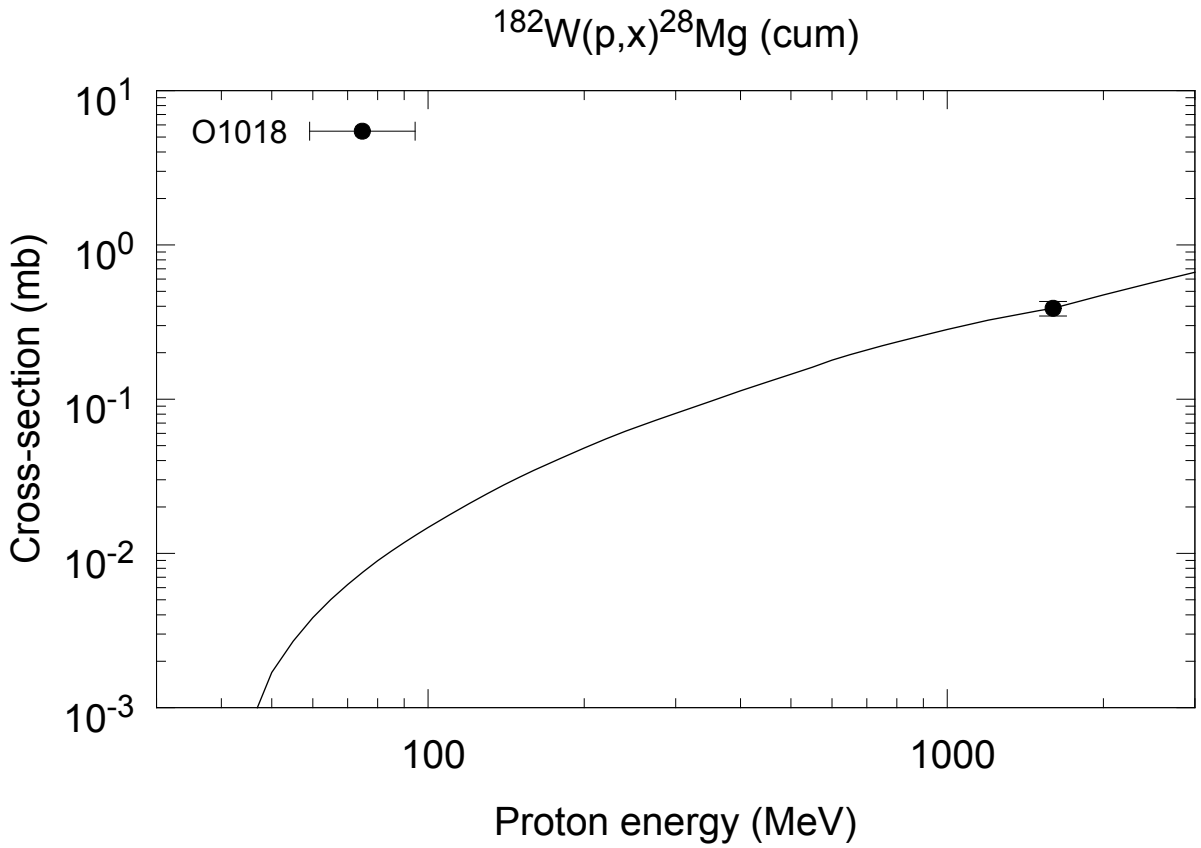

^{182}W(p,x)^{176}Ta
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
100
1000
Proton energy (MeV)

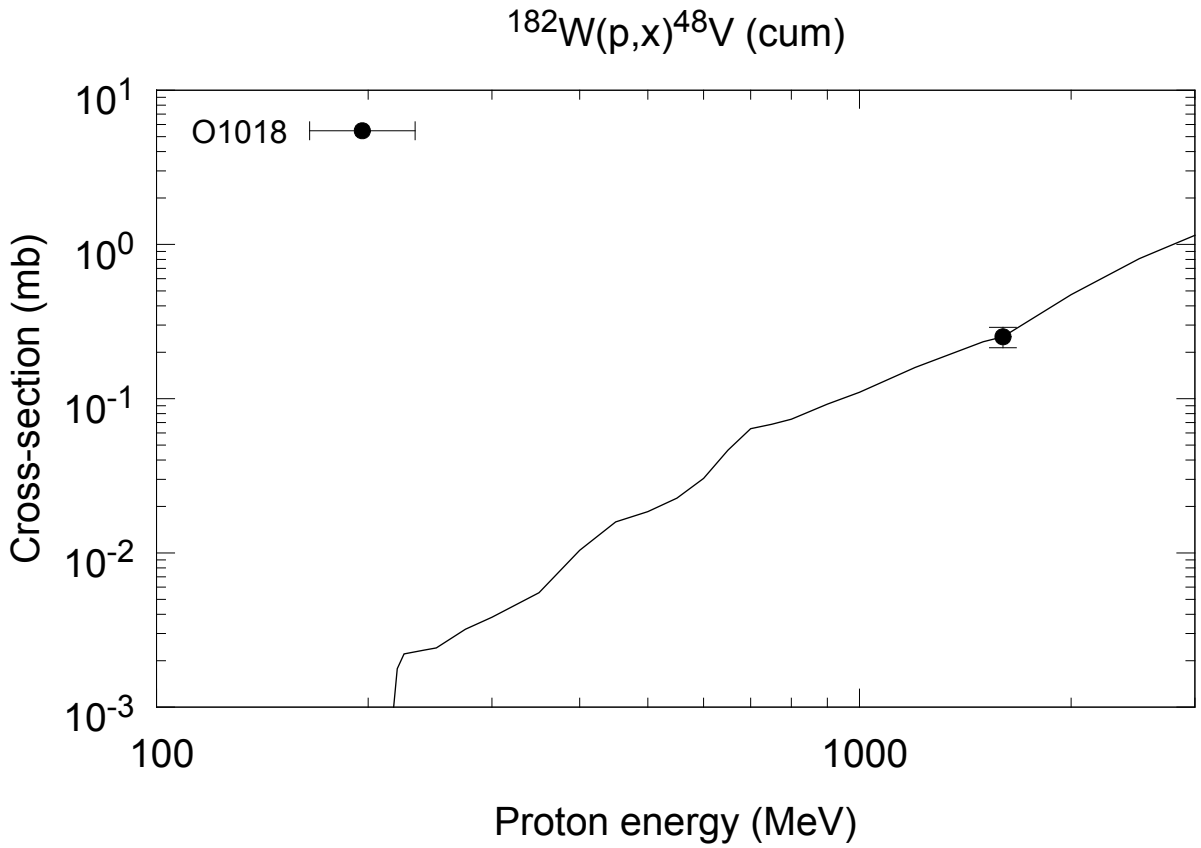

^{182}W(p,x)^{178m}Ta
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
10
100
1000
Proton energy (MeV)

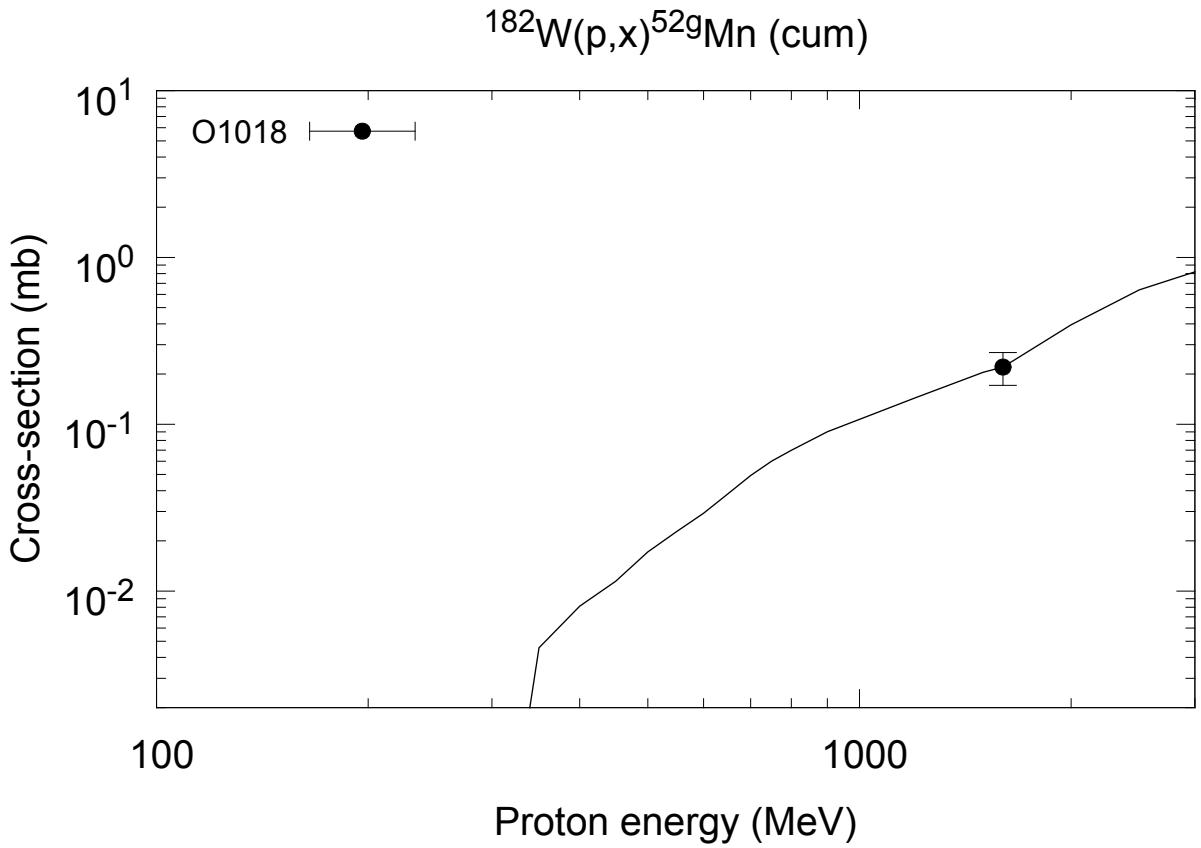

^{182}W(p,x)^{179}Re
O1018
Cross-section (mb)
10^4
10^3
10^2
10^1
10^0
100
1000
Proton energy (MeV)

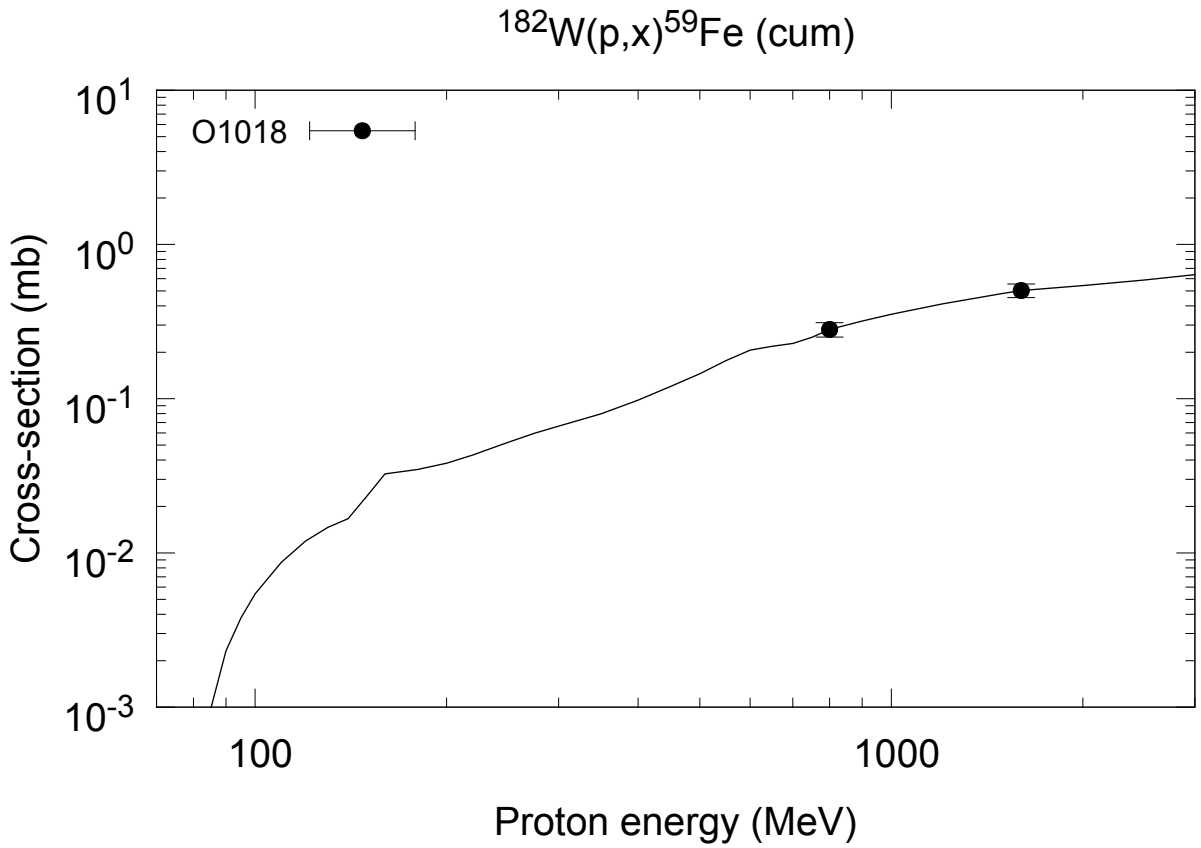

^{182}W(p,x)^{181}Re
O1018
Cross-section (mb)
10^4
10^3
10^2
10^1
10^0
10
100
1000
Proton energy (MeV)

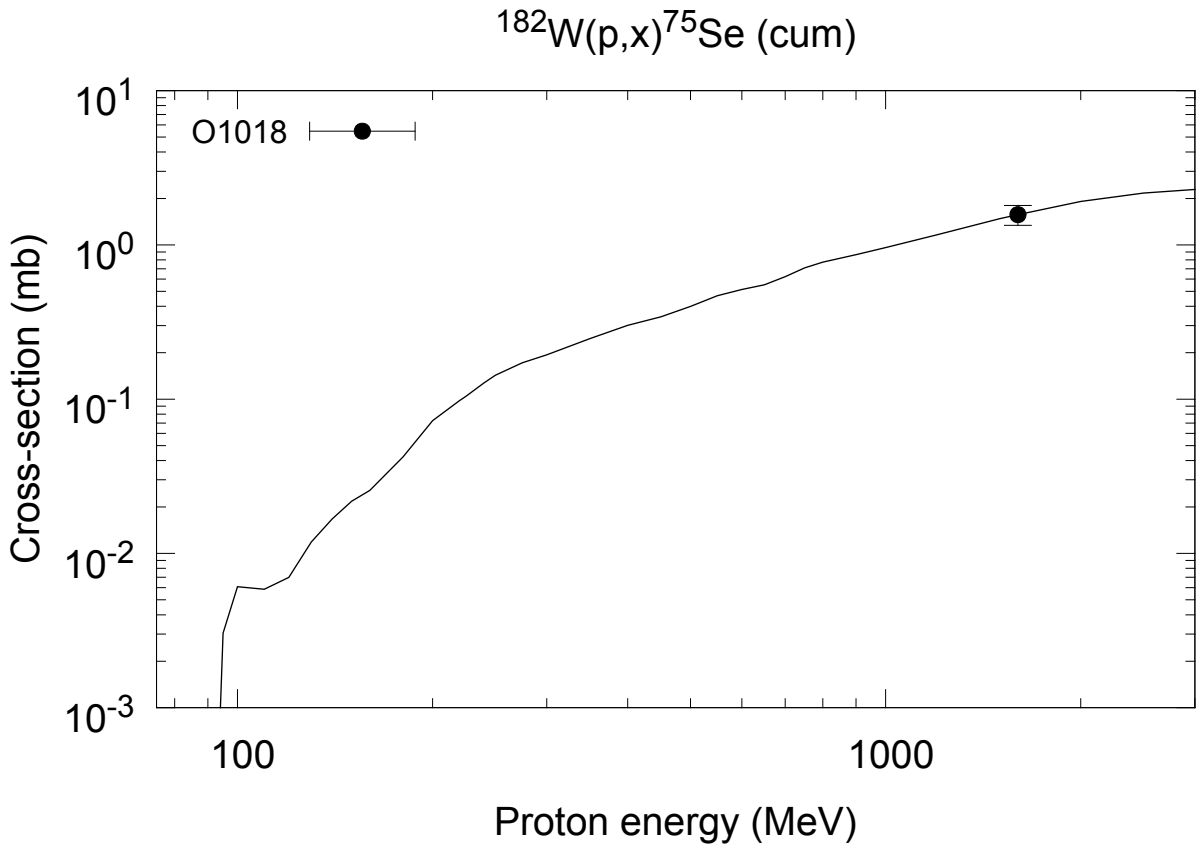

^{182}W(p,x)^{24}Na (cum)
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

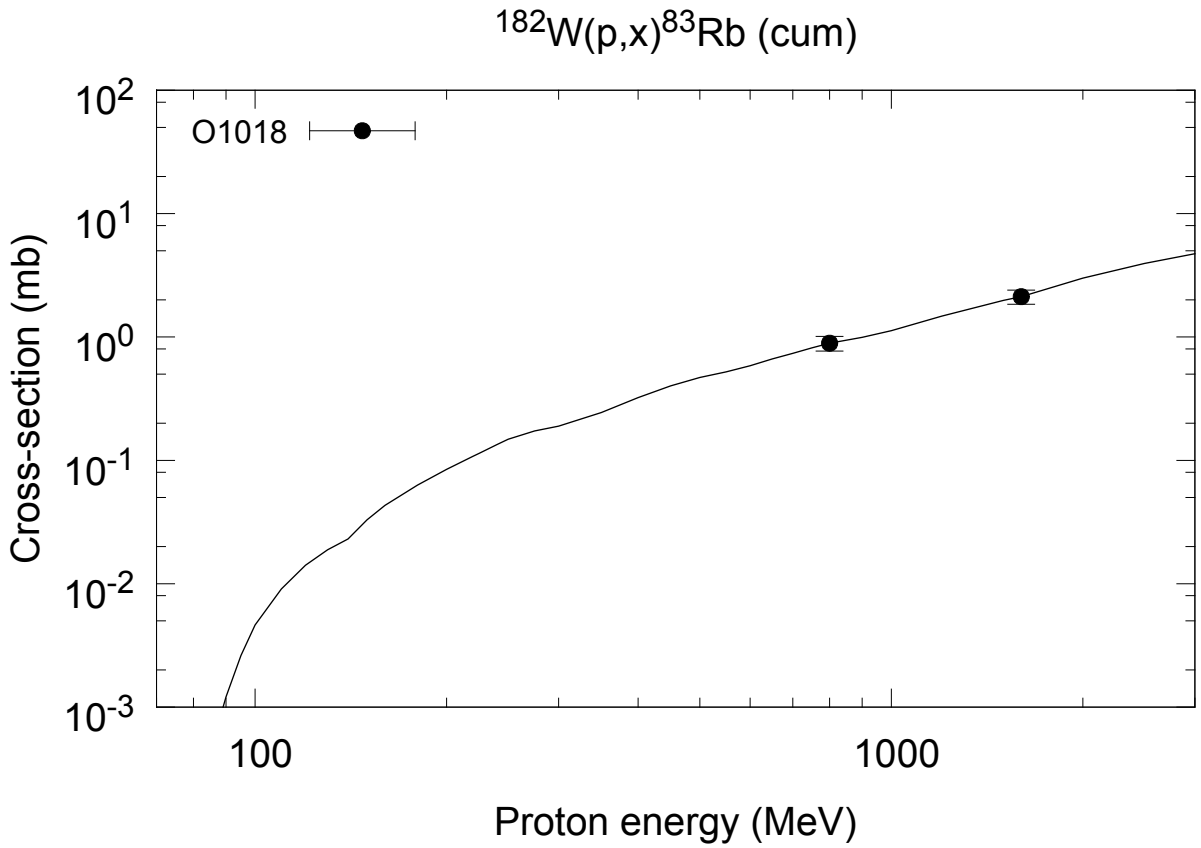

^{182}W(p,x)^{28}Mg (cum)
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

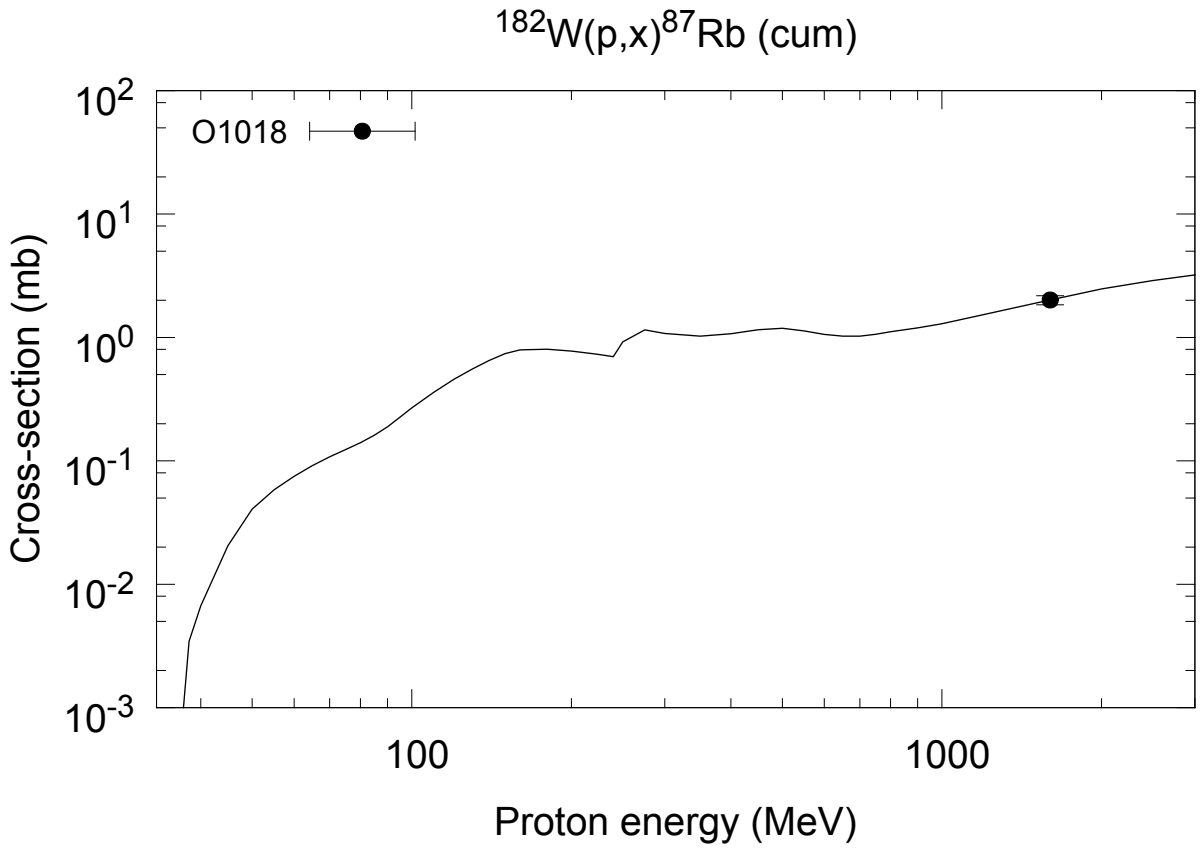

^{182}W(p,x)^{48}V (cum)
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

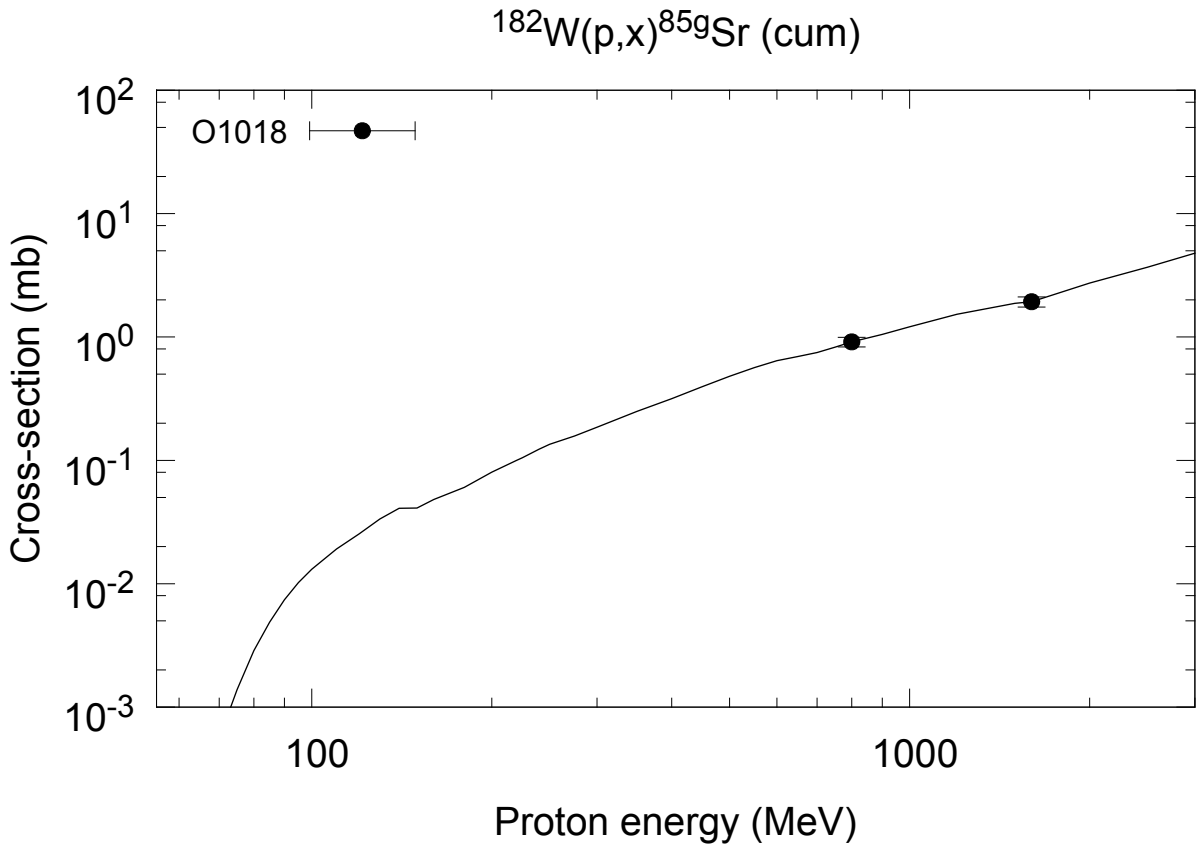

^{182}W(p,x)^{52g}Mn (cum)
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

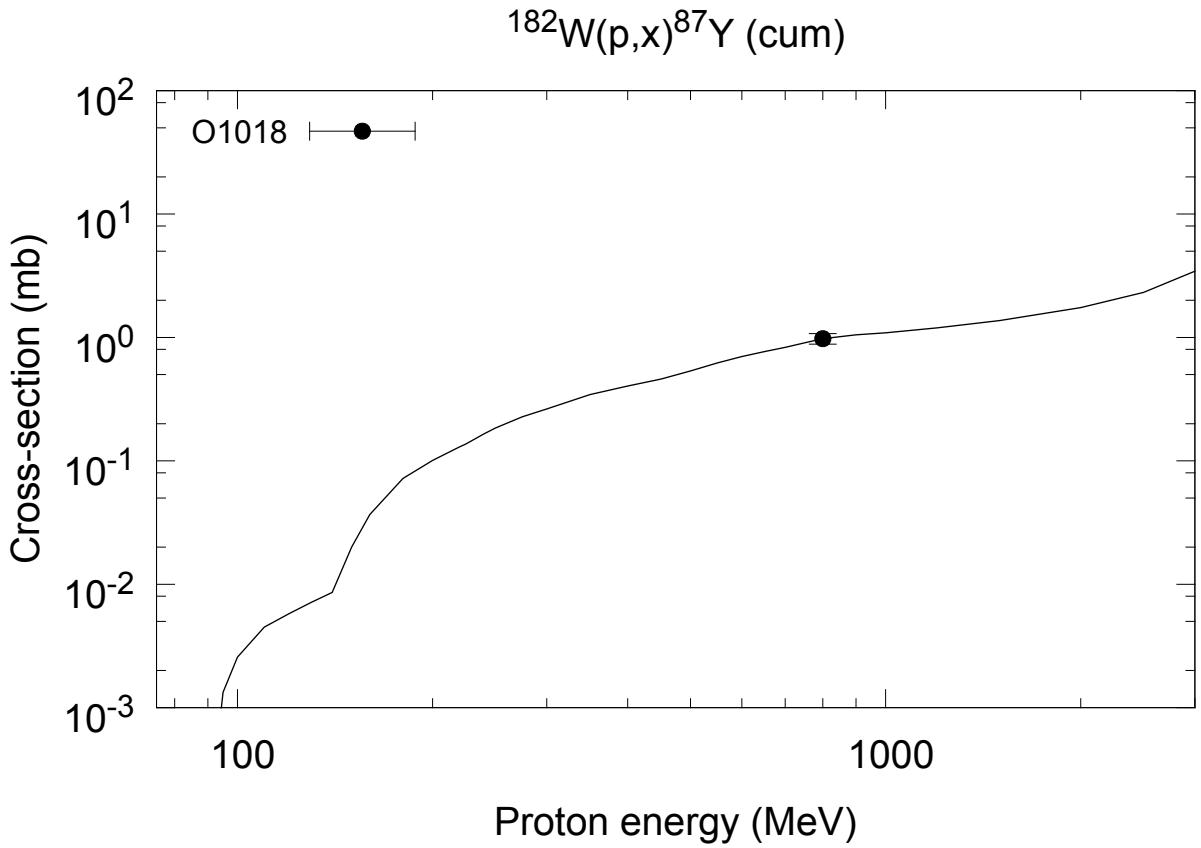

^{182}W(p,x)^{59}Fe (cum)
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

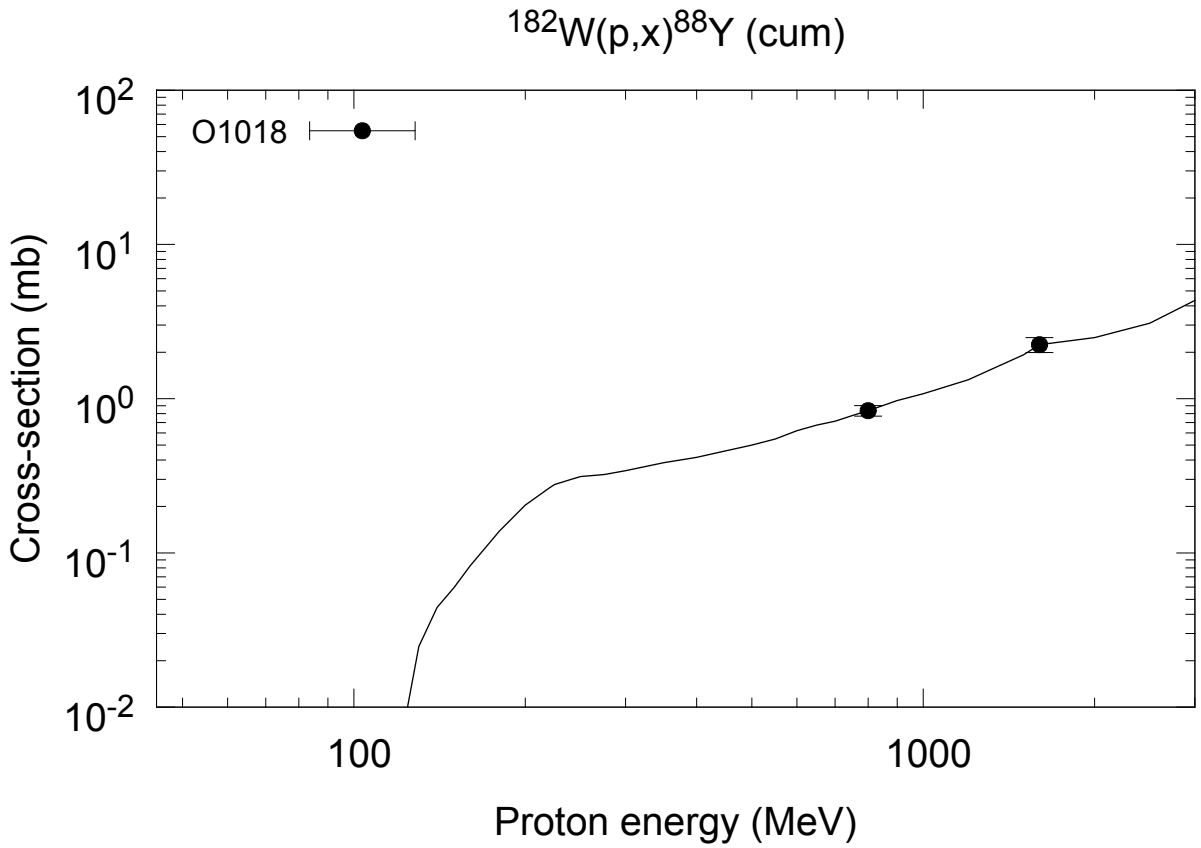

^{182}W(p,x)^{75}Se (cum)
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

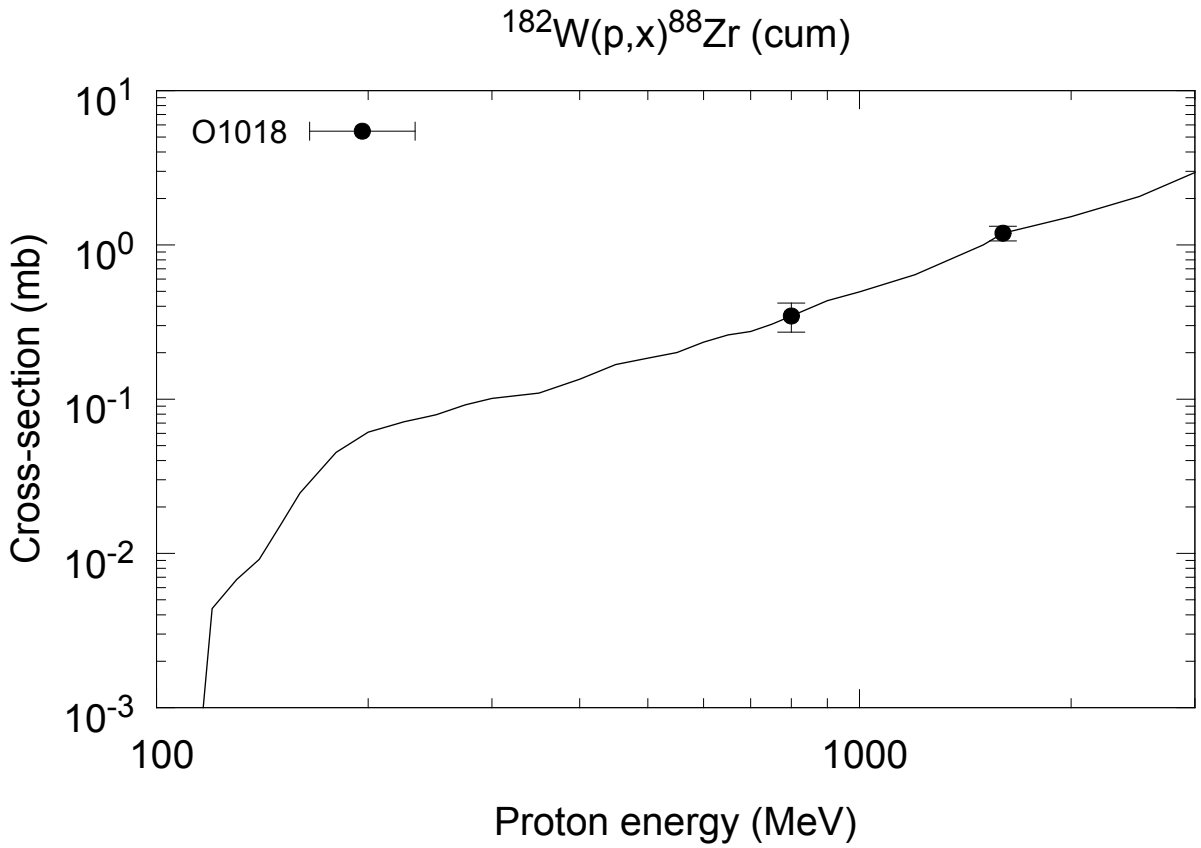

^{182}W(p,x)^{83}Rb (cum)
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

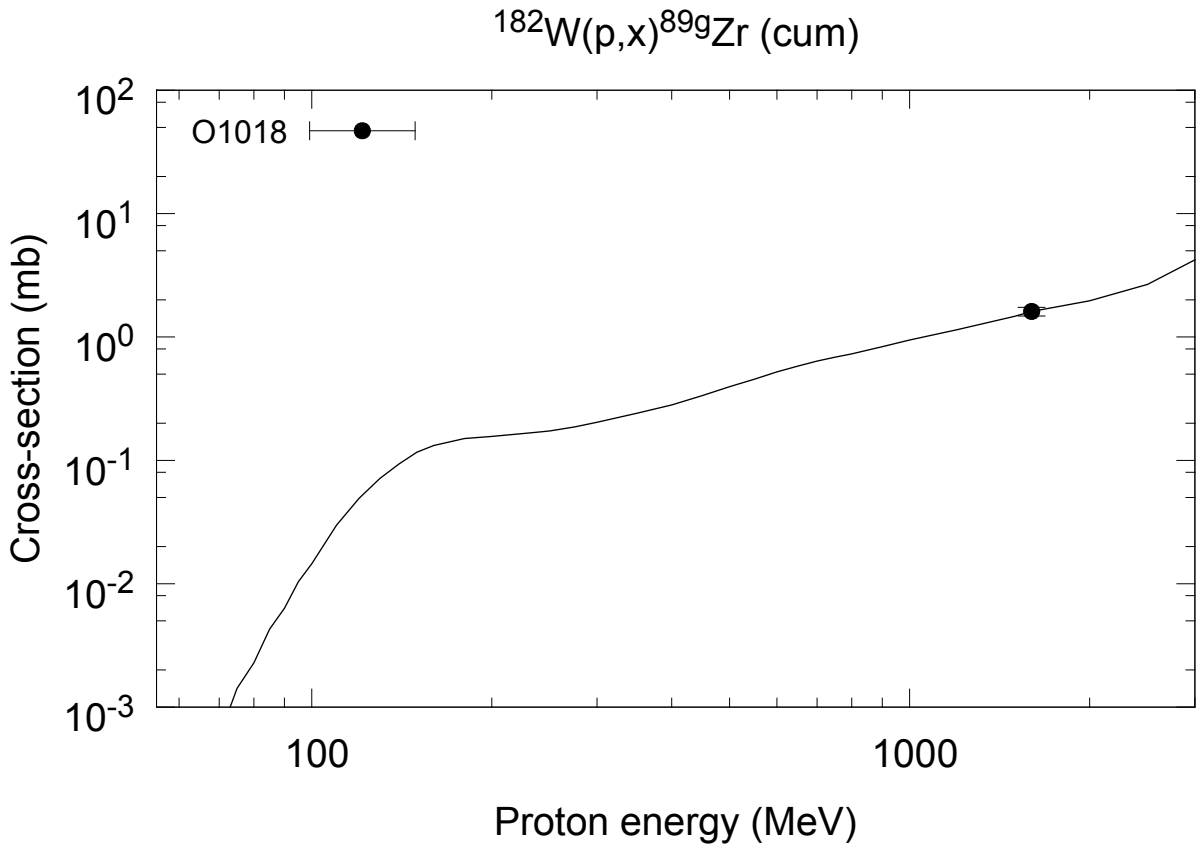

^{182}W(p,x)^{87}Rb (cum)
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

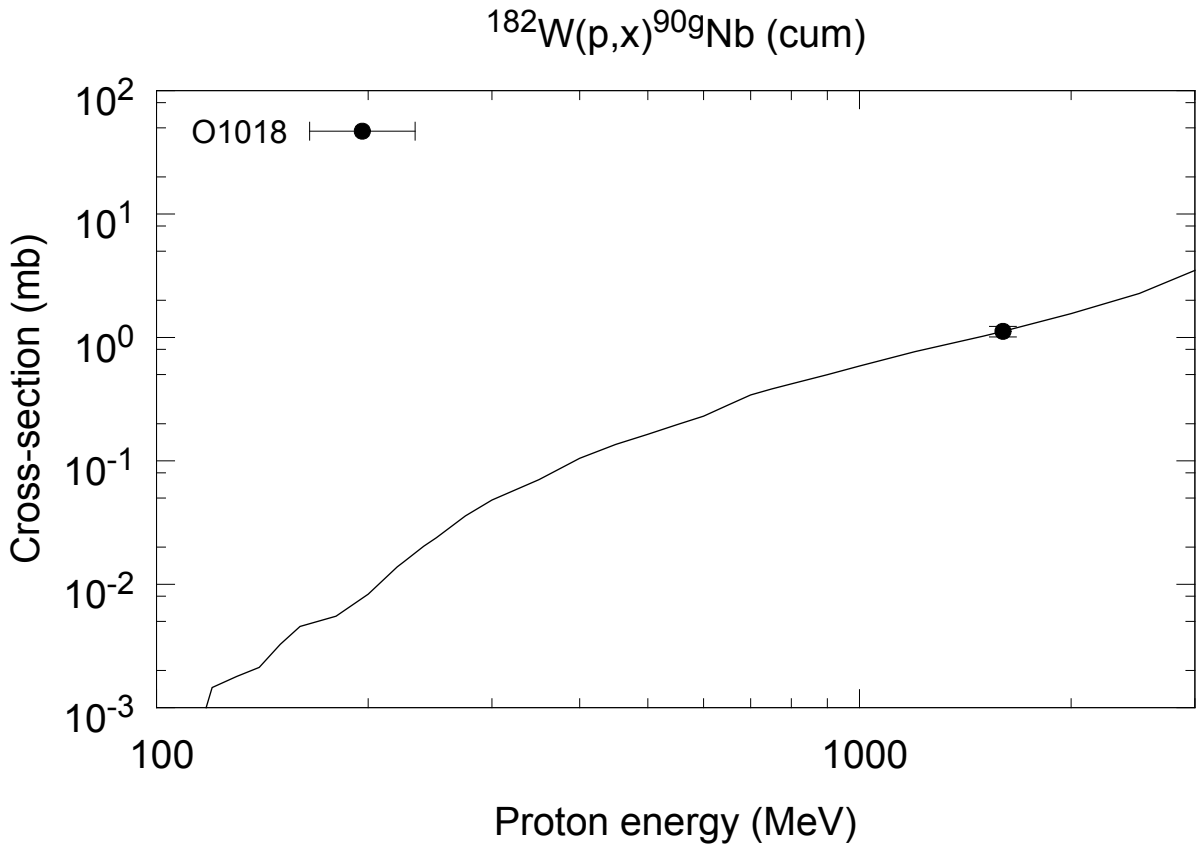

^{182}W(p,x)^{85g}Sr (cum)
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

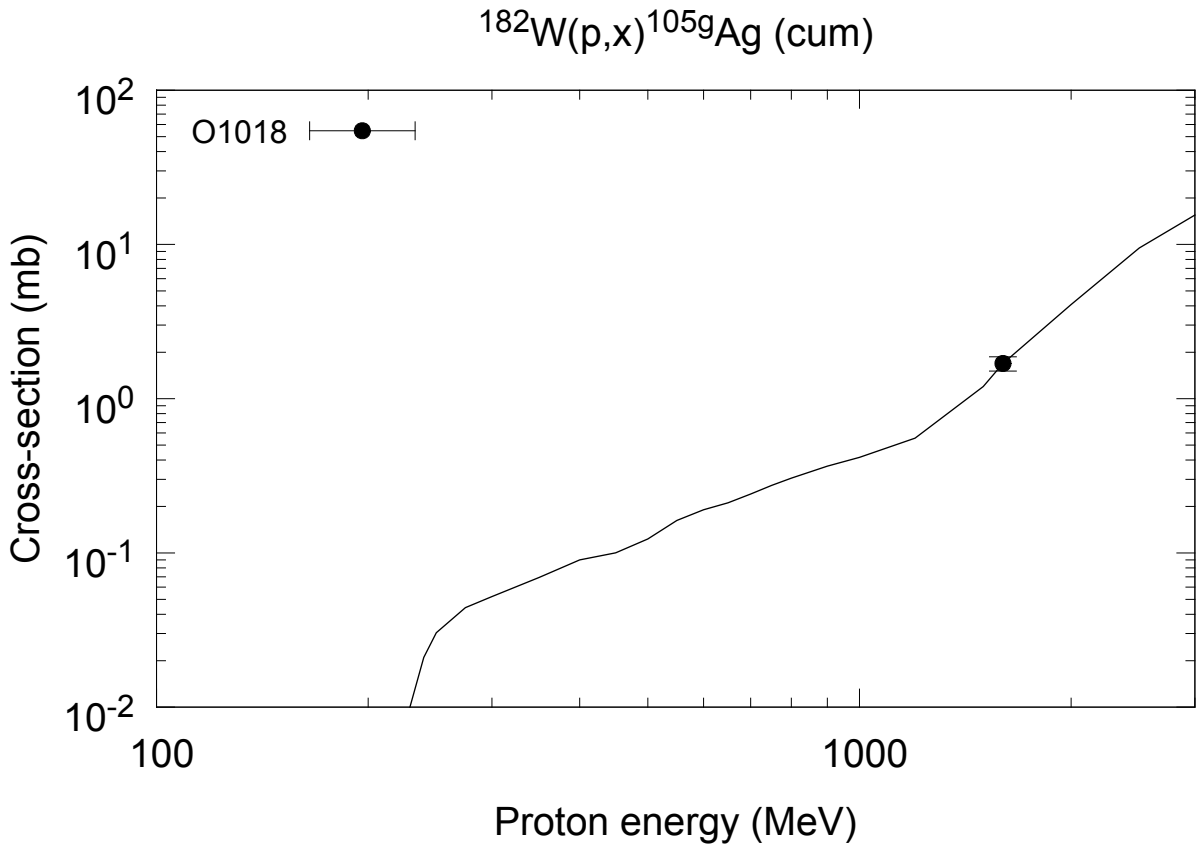

^{182}W(p,x)^{87}Y (cum)
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

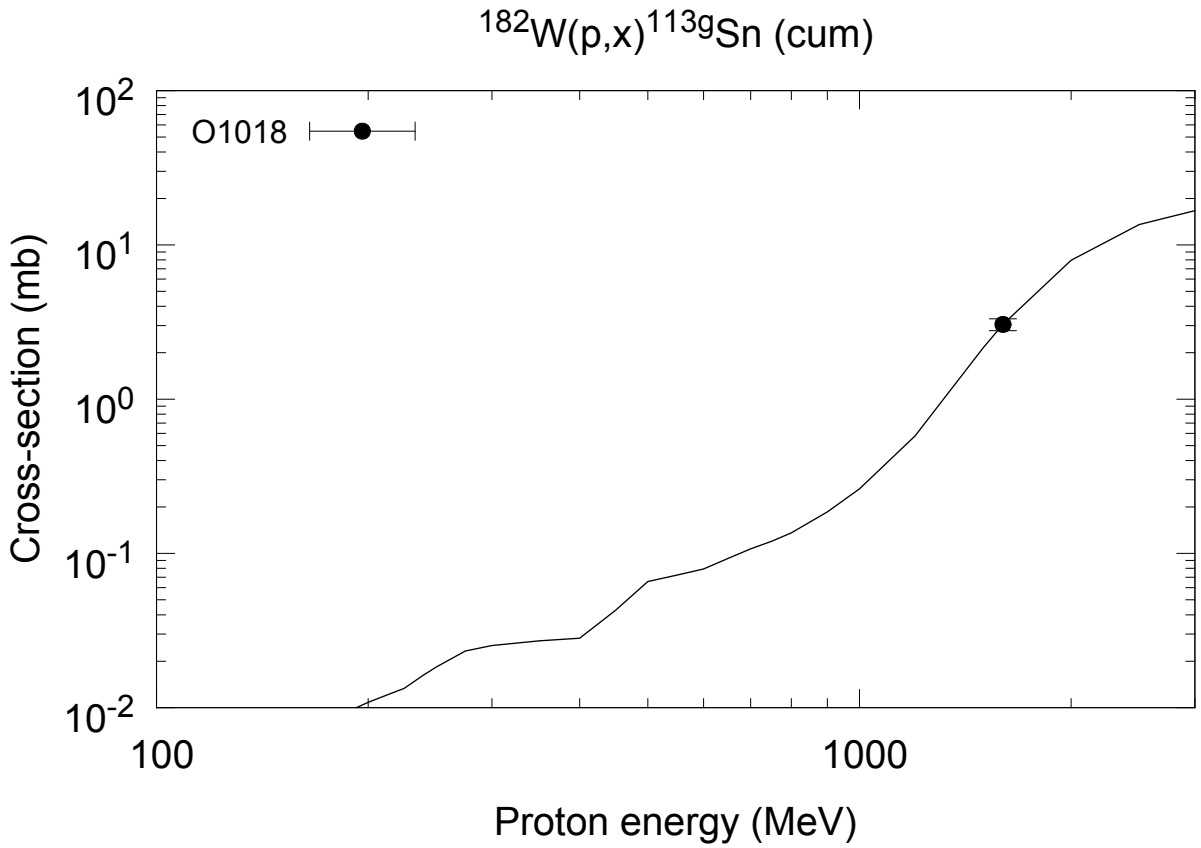

^{182}W(p,x)^{88}Y (cum)
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

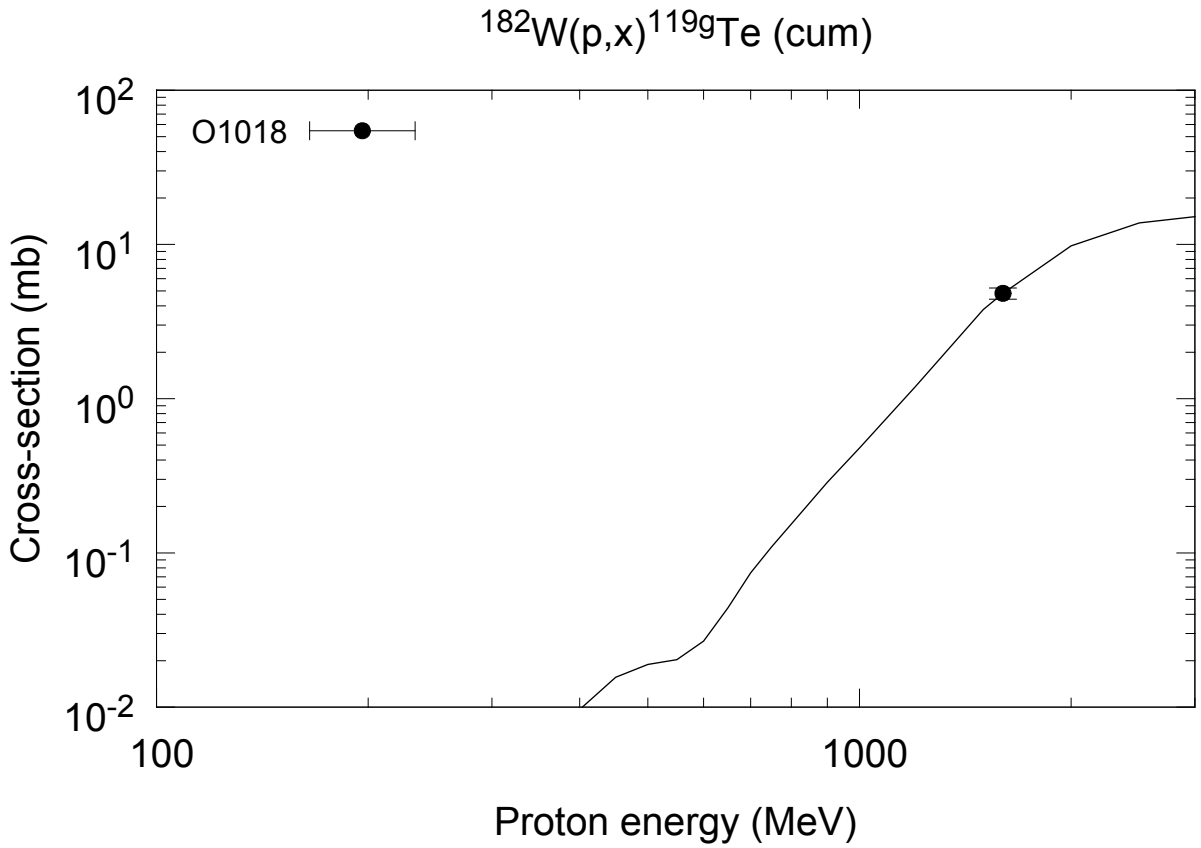

^{182}W(p,x)^{88}Zr (cum)
O1018
Cross-section (mb)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

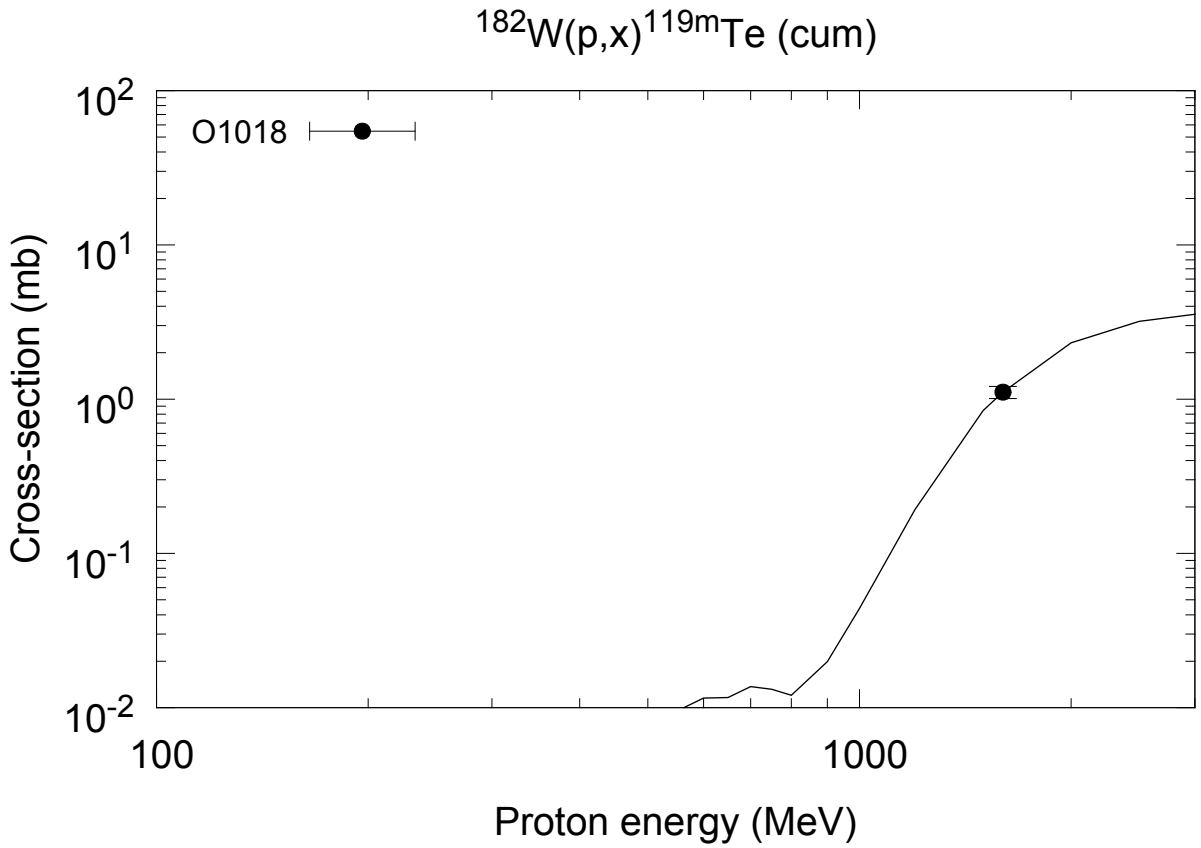

^{182}W(p,x)^{89g}Zr (cum)
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

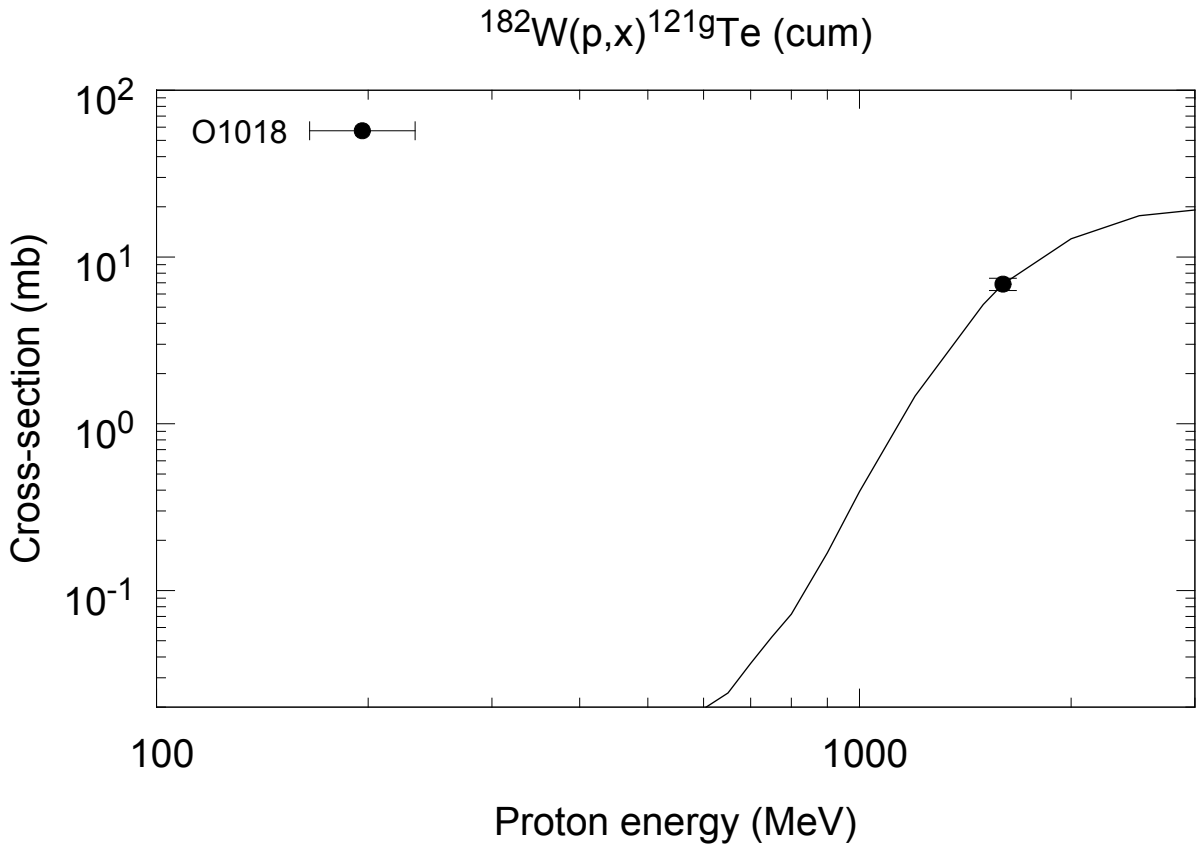

^{182}W(p,x)^{90g}Nb (cum)
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)

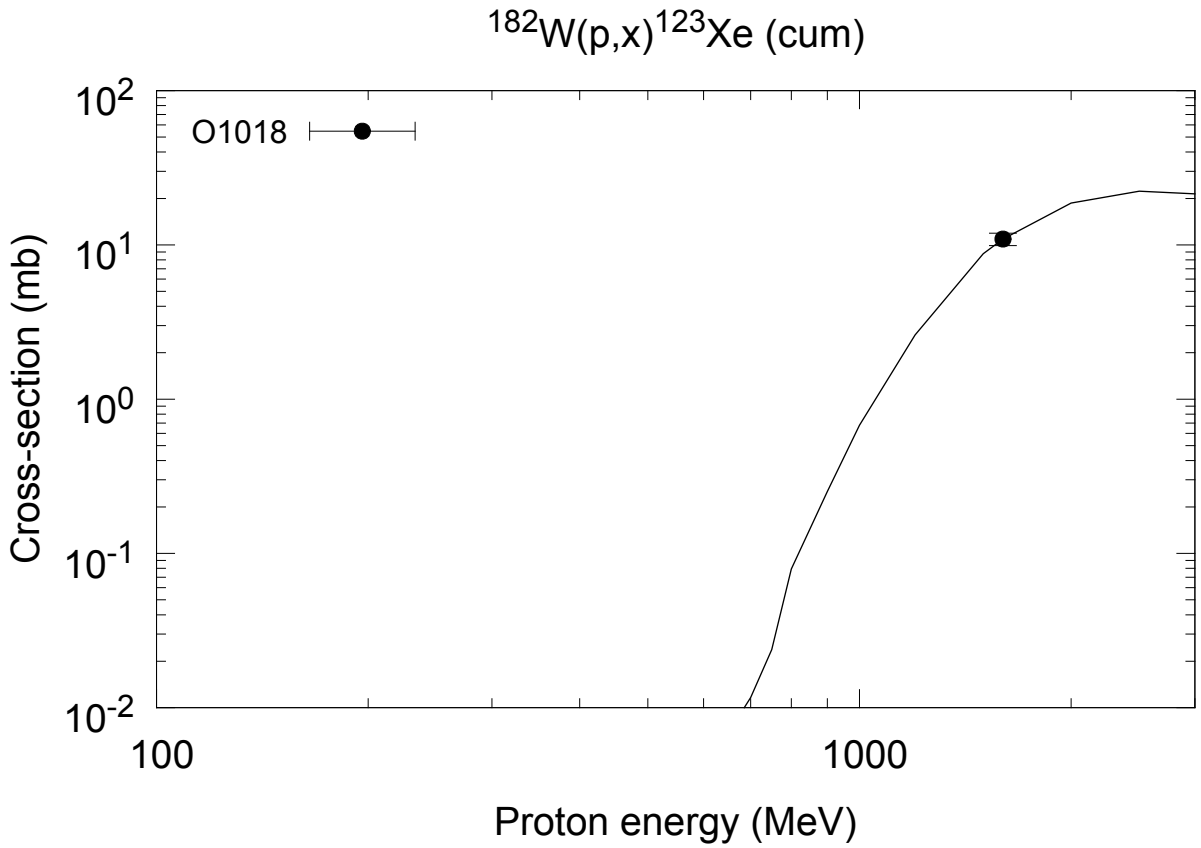

^{182}W(p,x)^{105g}Ag (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

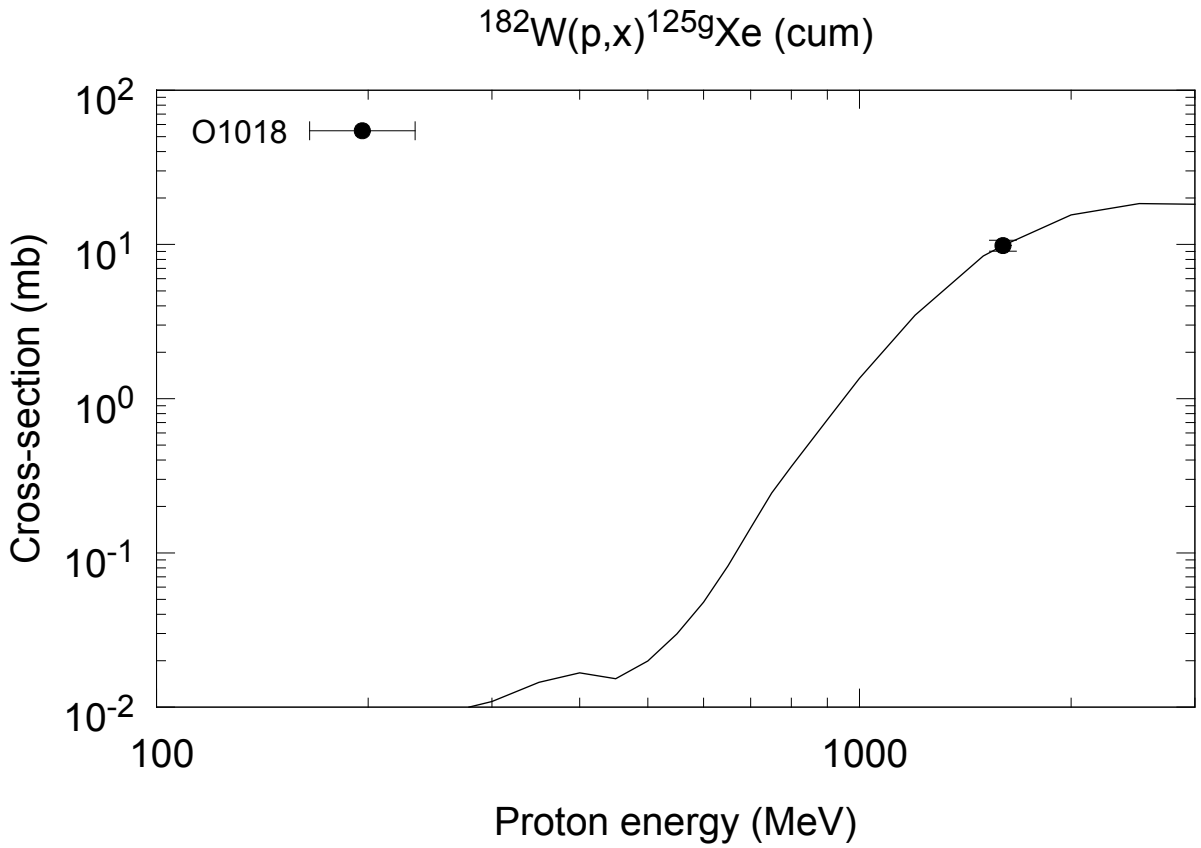

^{182}W(p,x)^{113g}Sn (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

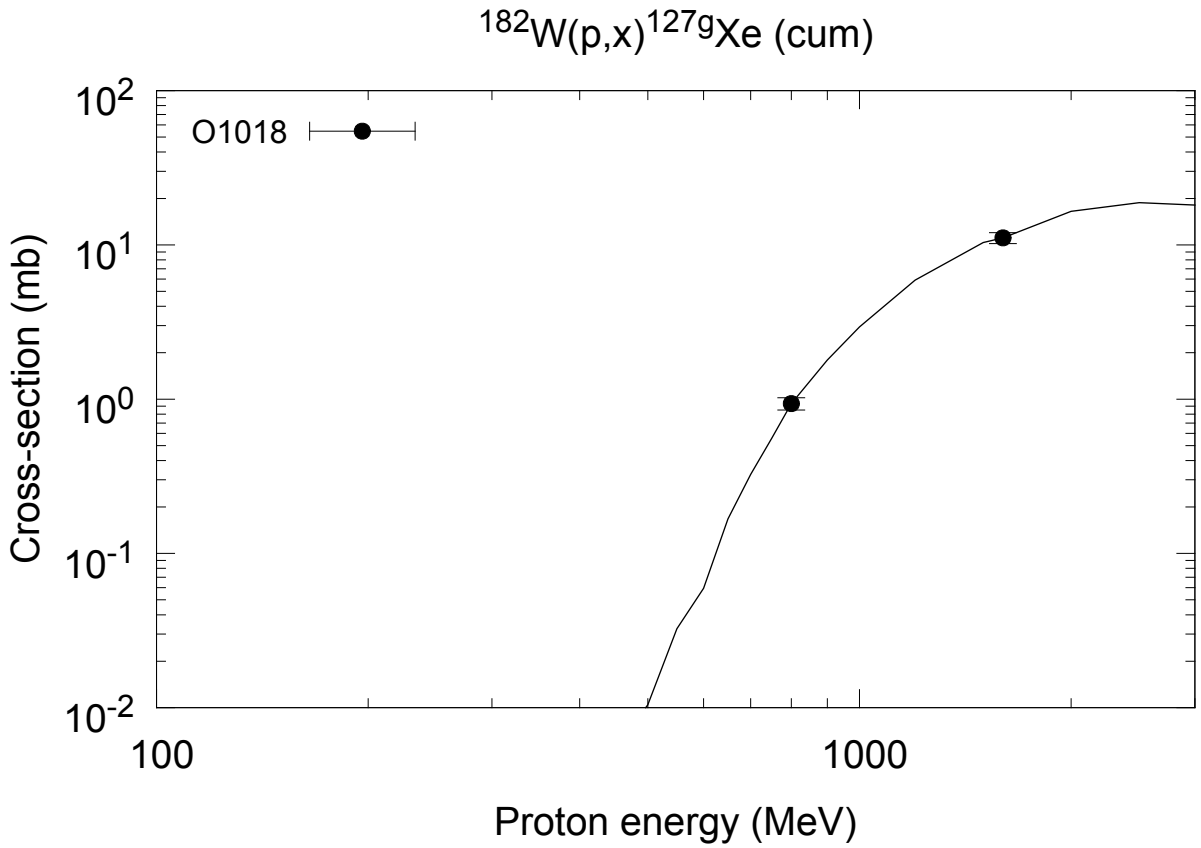

^{182}W(p,x)^{119g}Te (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

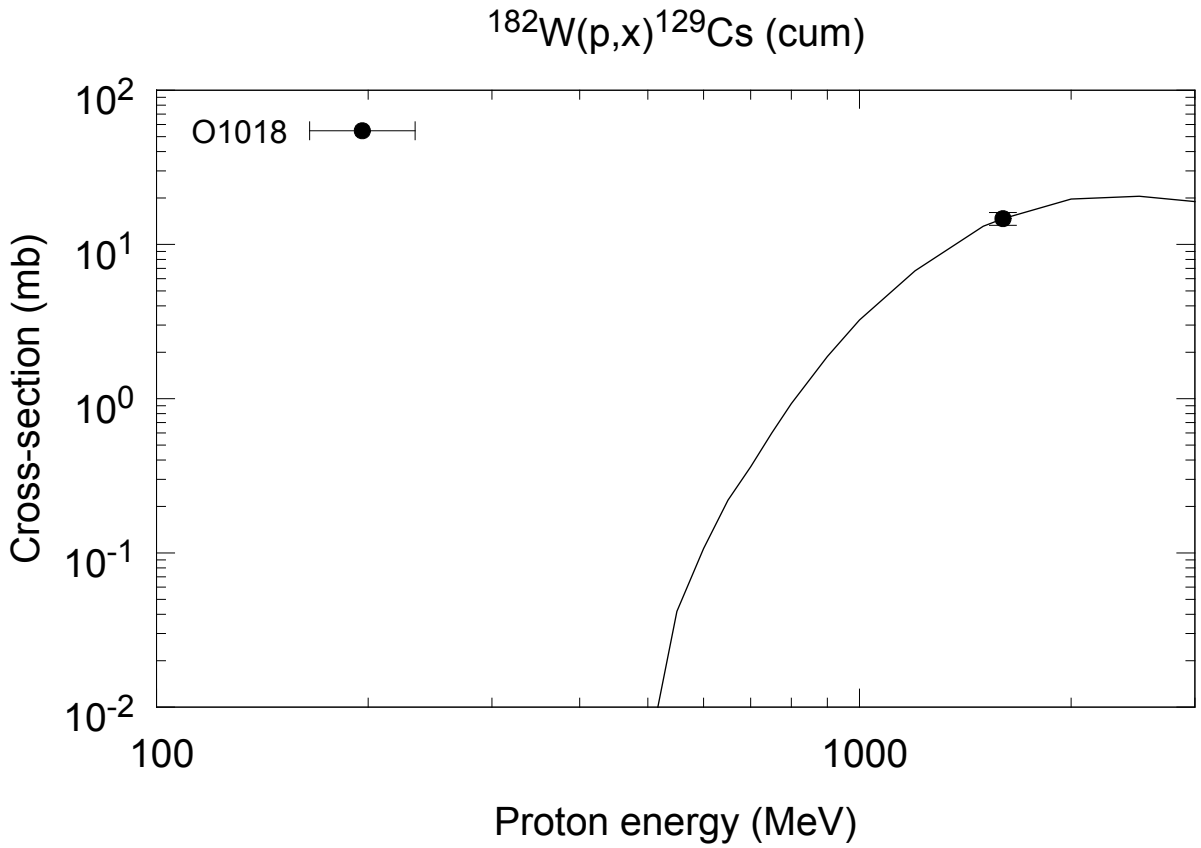

^{182}W(p,x)^{119m}Te (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

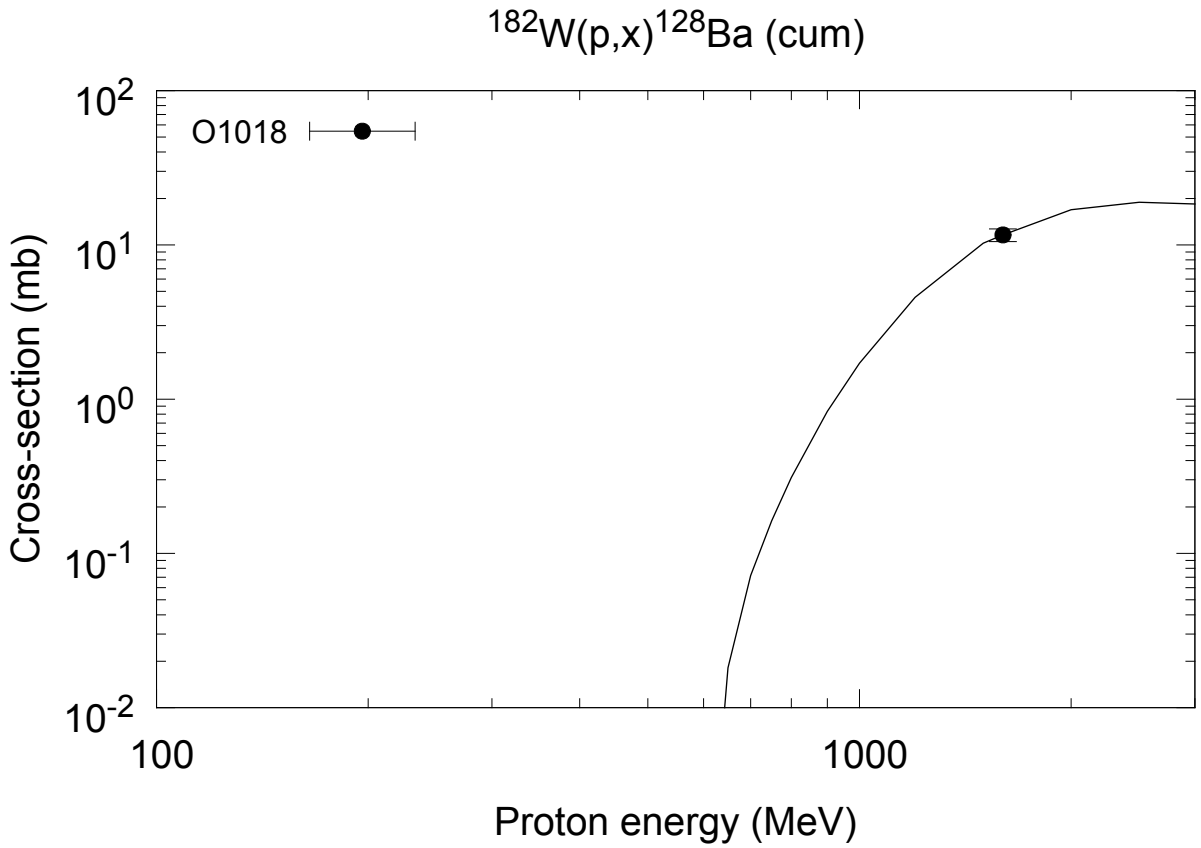

^{182}W(p,x)^{121g}Te (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
100
1000
Proton energy (MeV)

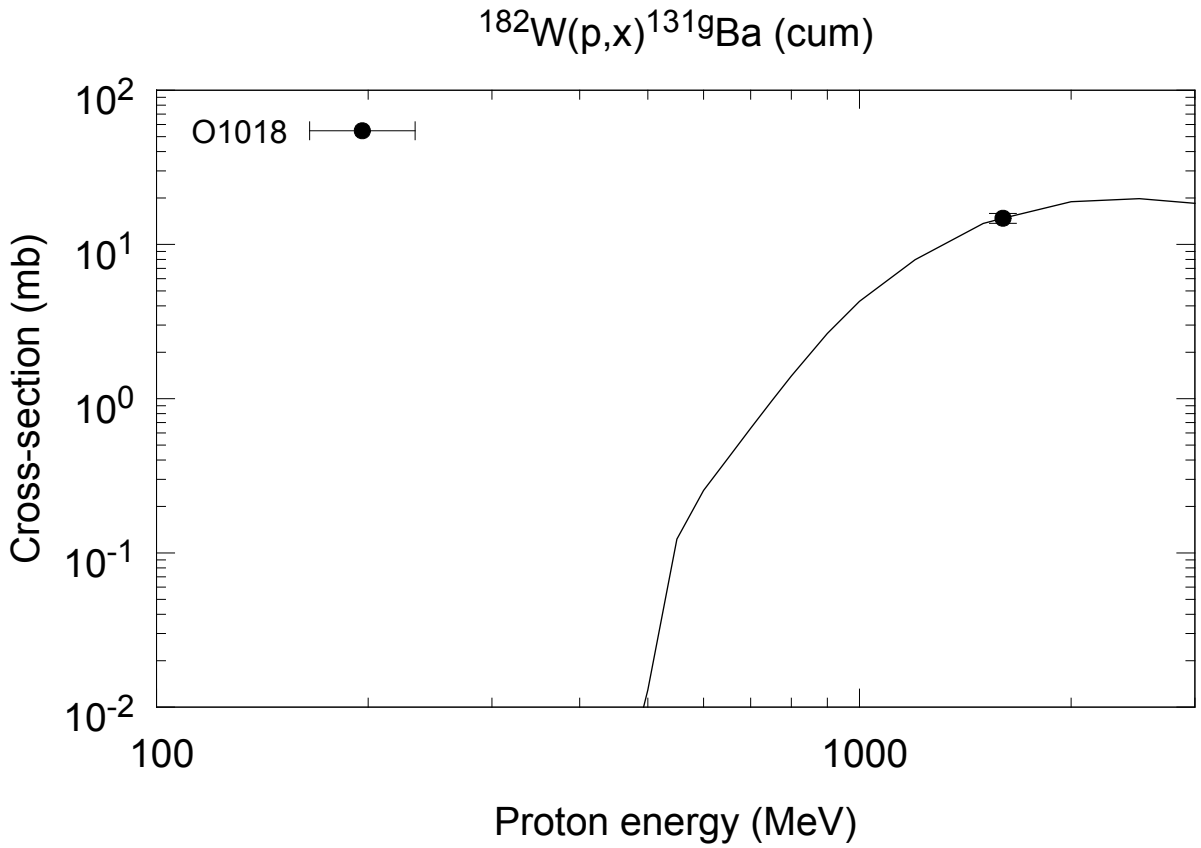

^{182}W(p,x)^{123}Xe (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

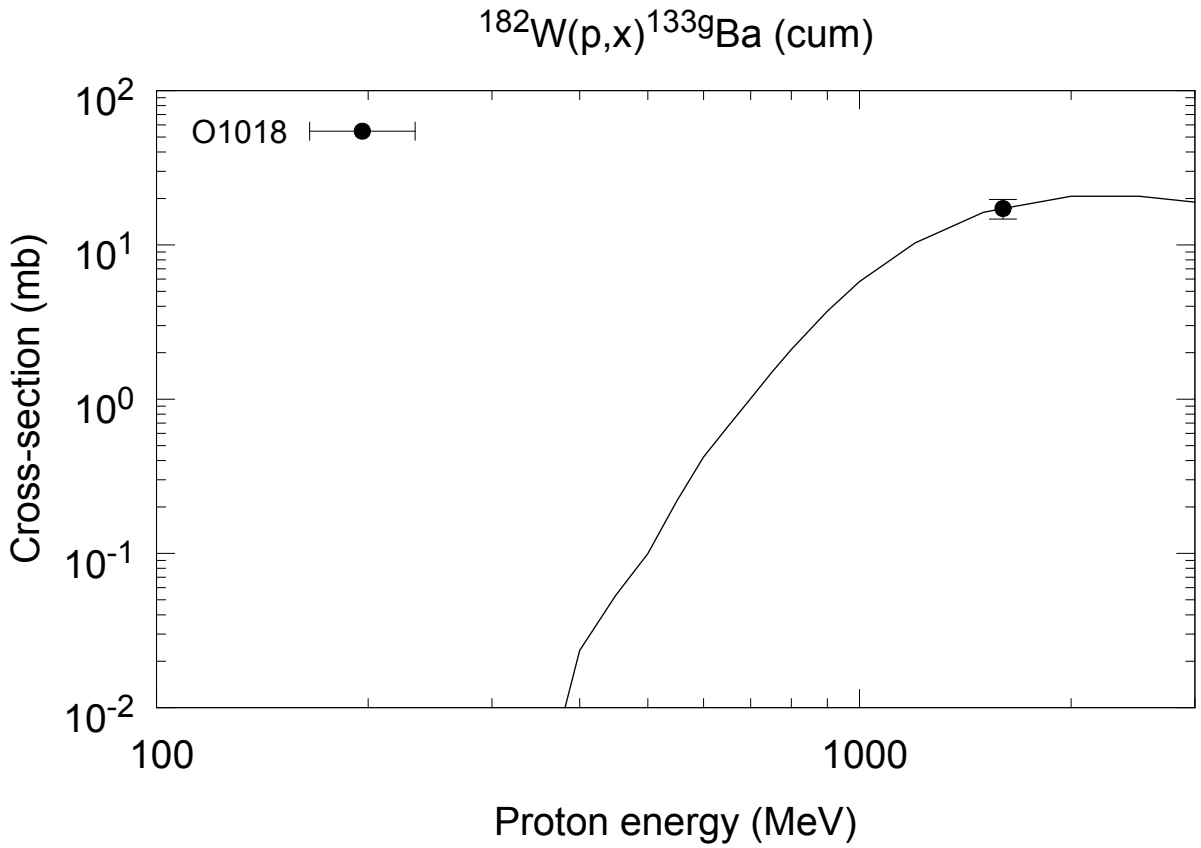

^{182}W(p,x)^{125g}Xe (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

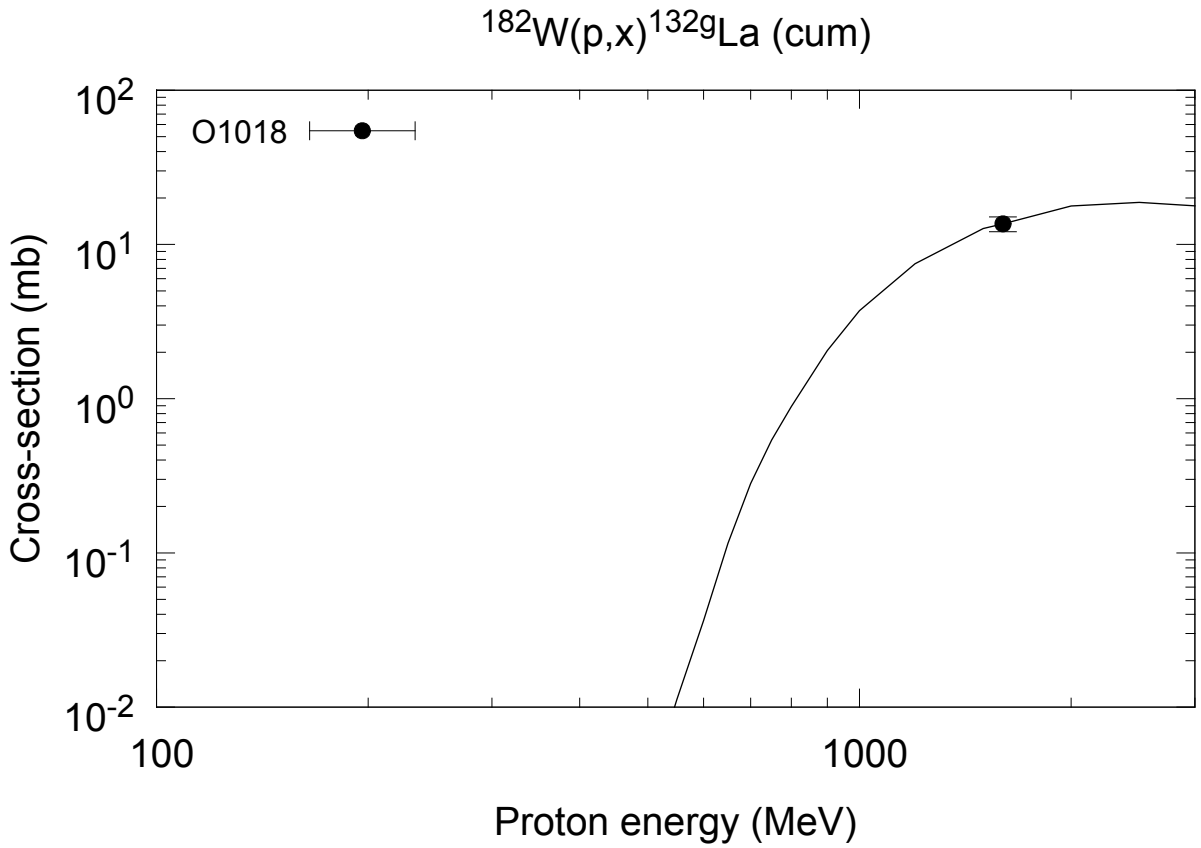

^{182}W(p,x)^{127g}Xe (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

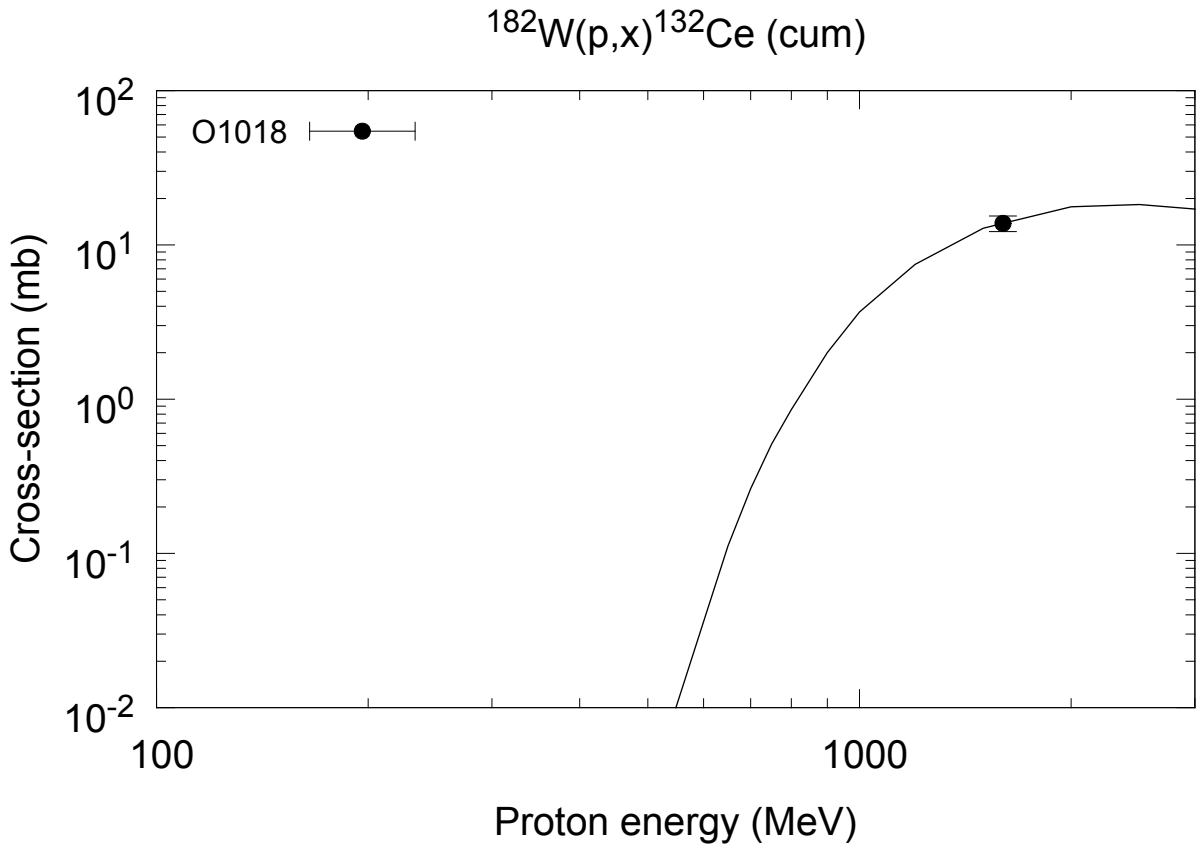

^{182}W(p,x)^{129}Cs (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

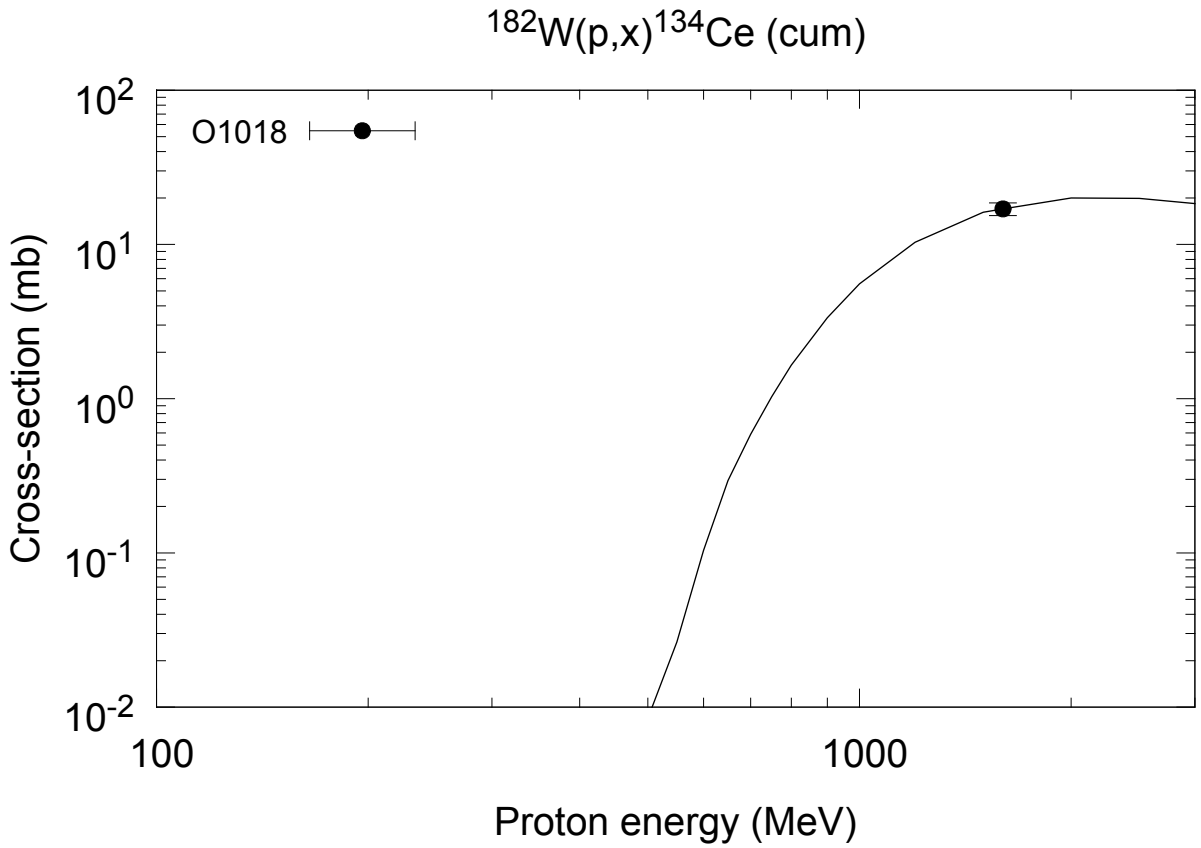

^{182}W(p,x)^{128}Ba (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

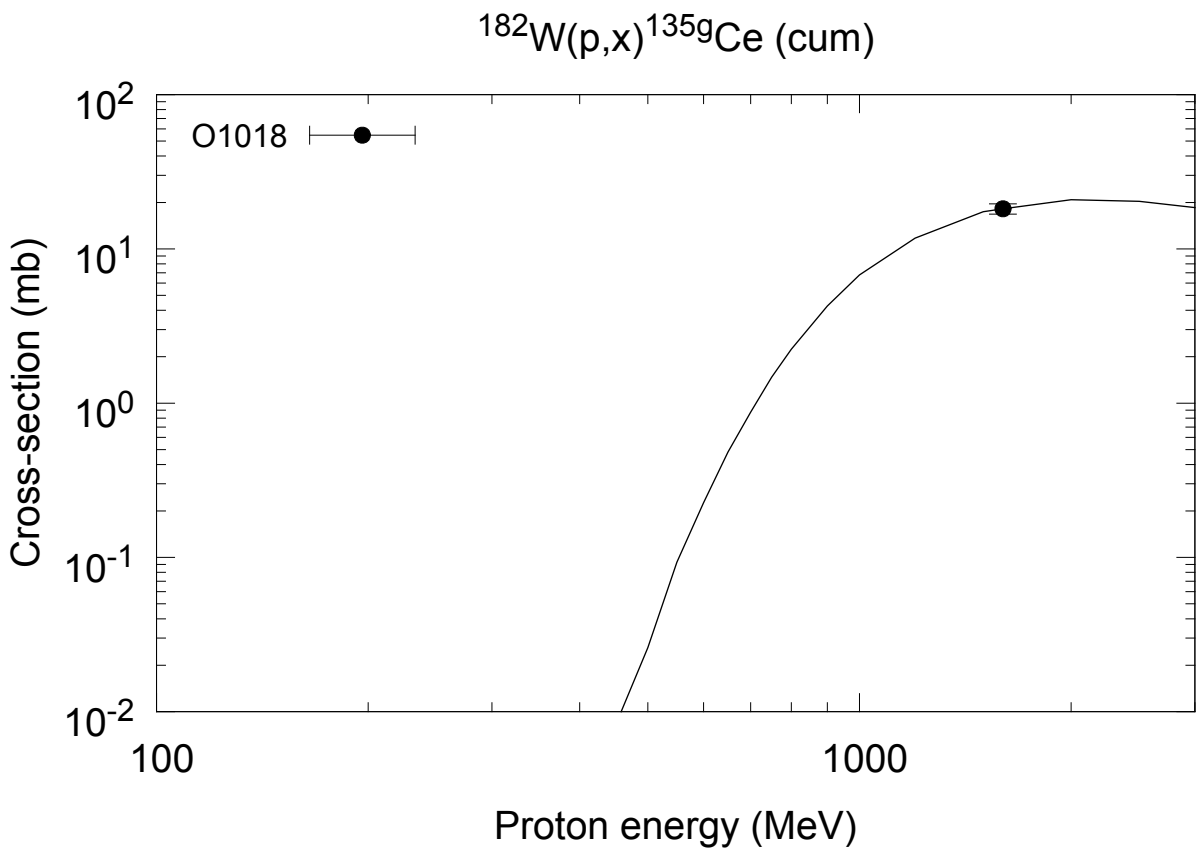

^{182}W(p,x)^{131g}Ba (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

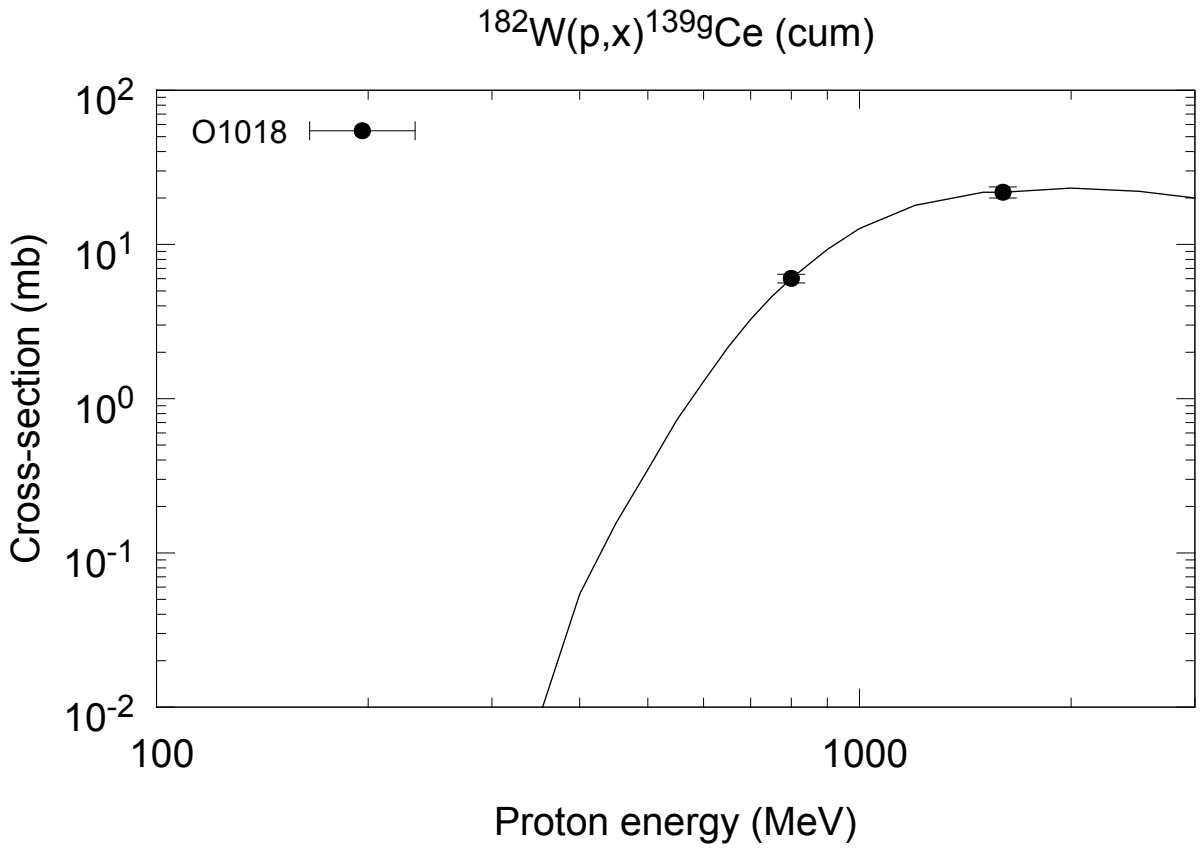

^{182}W(p,x)^{133g}Ba (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

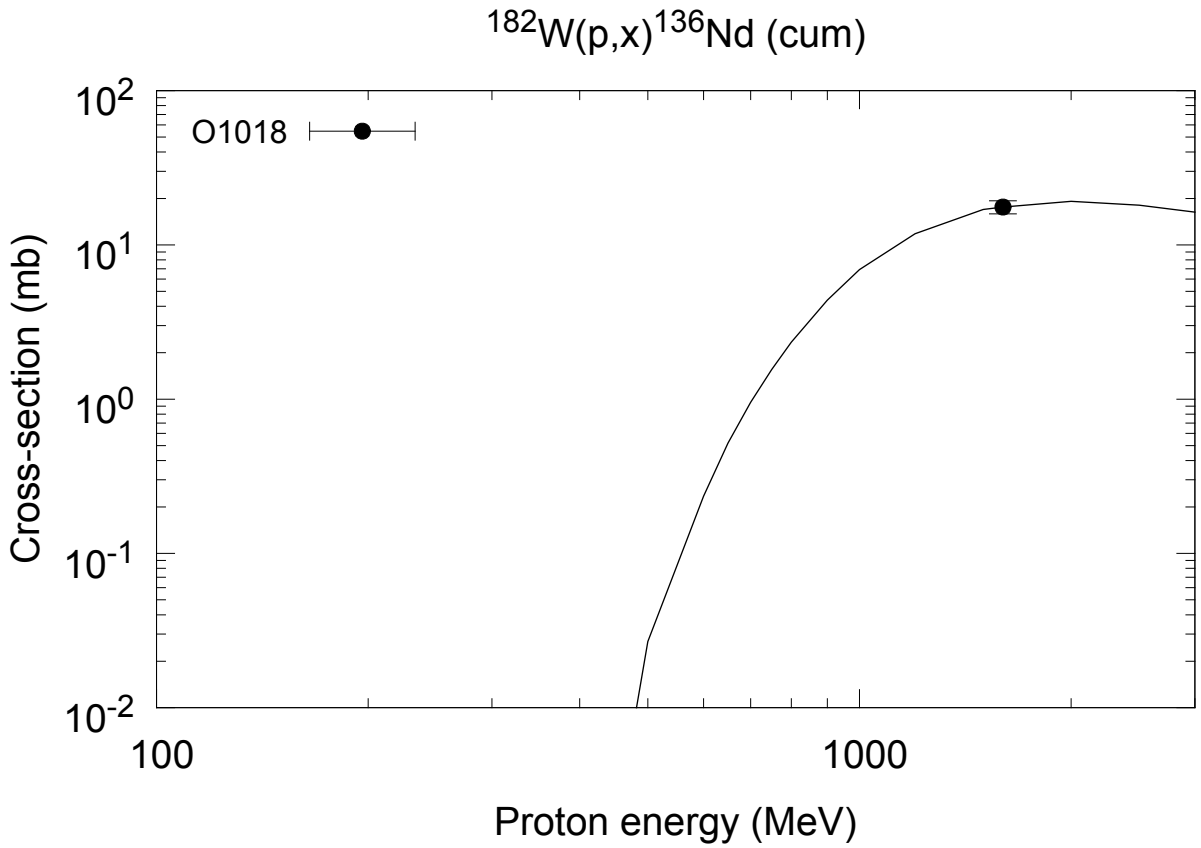

^{182}W(p,x)^{132g}La (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

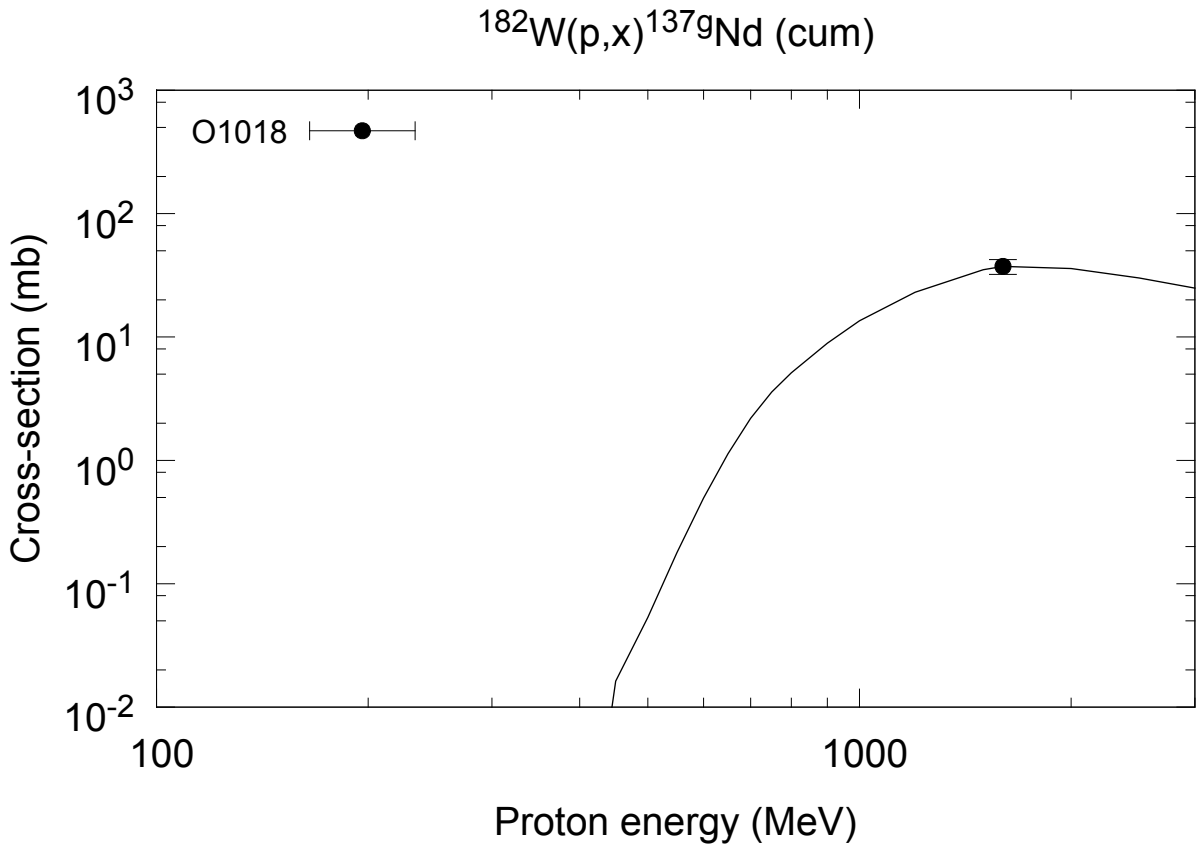

^{182}W(p,x)^{132}Ce (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

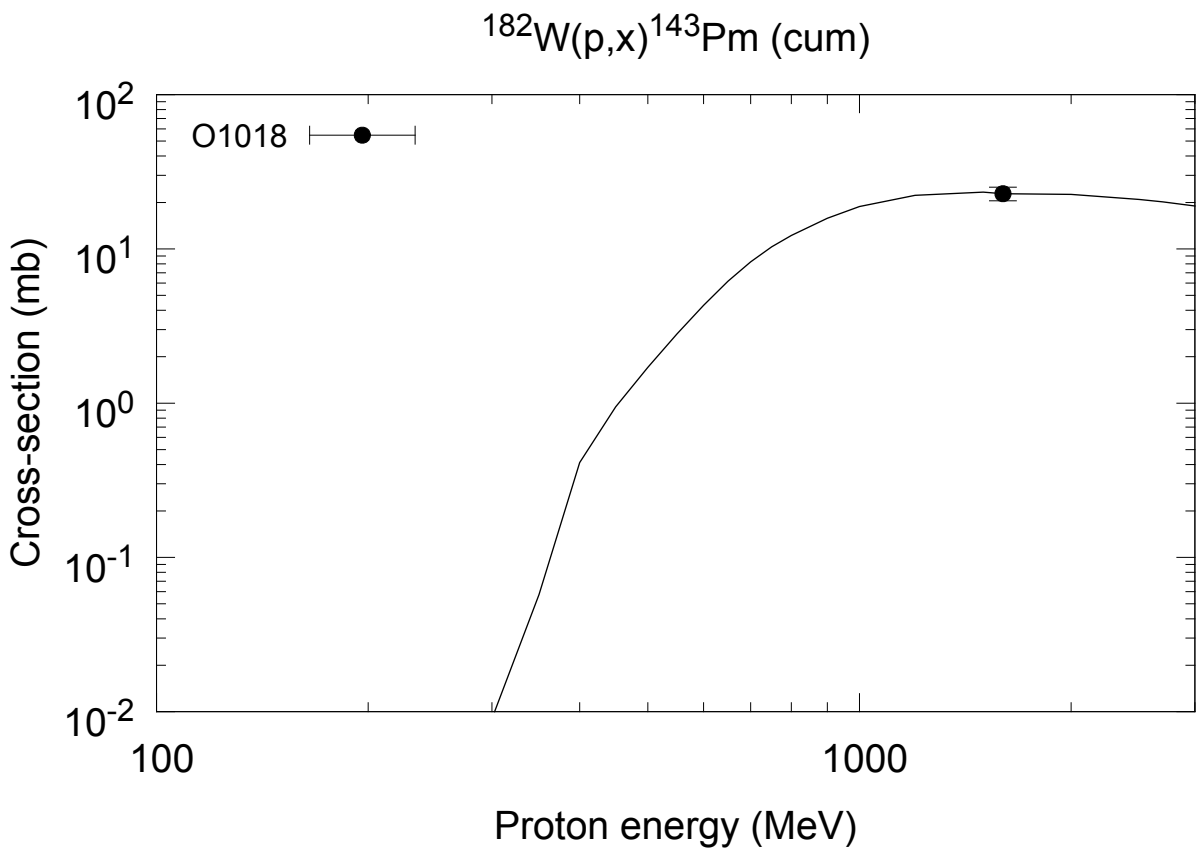

^{182}W(p,x)^{134}Ce (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

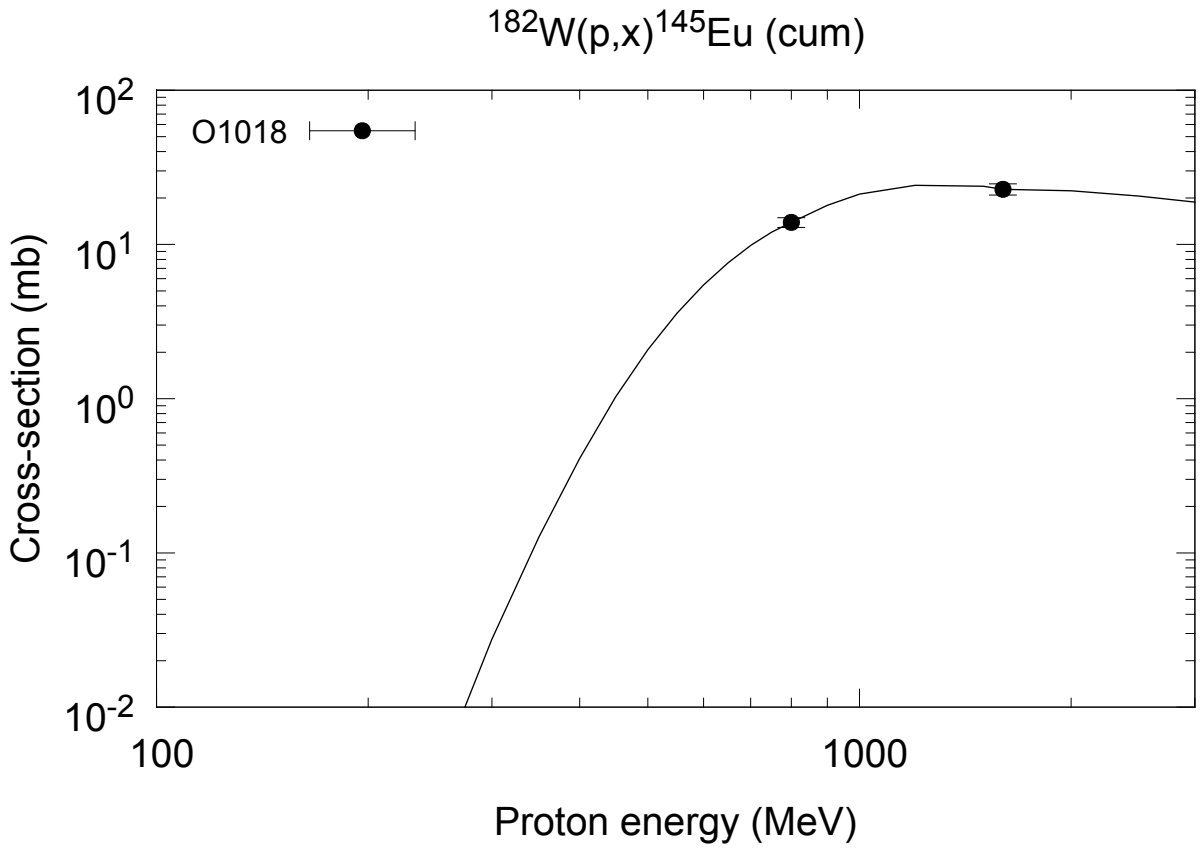

^{182}W(p,x)^{135g}Ce (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

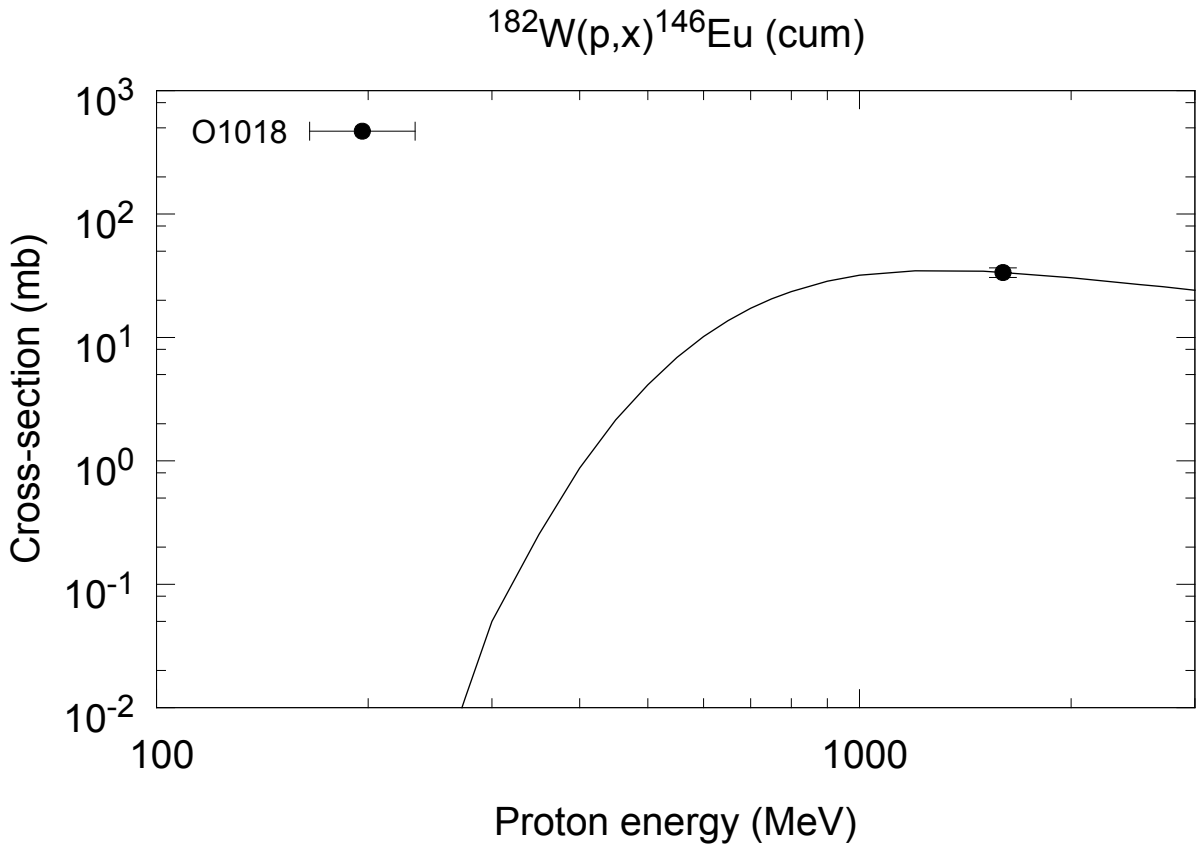

^{182}W(p,x)^{139g}Ce (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

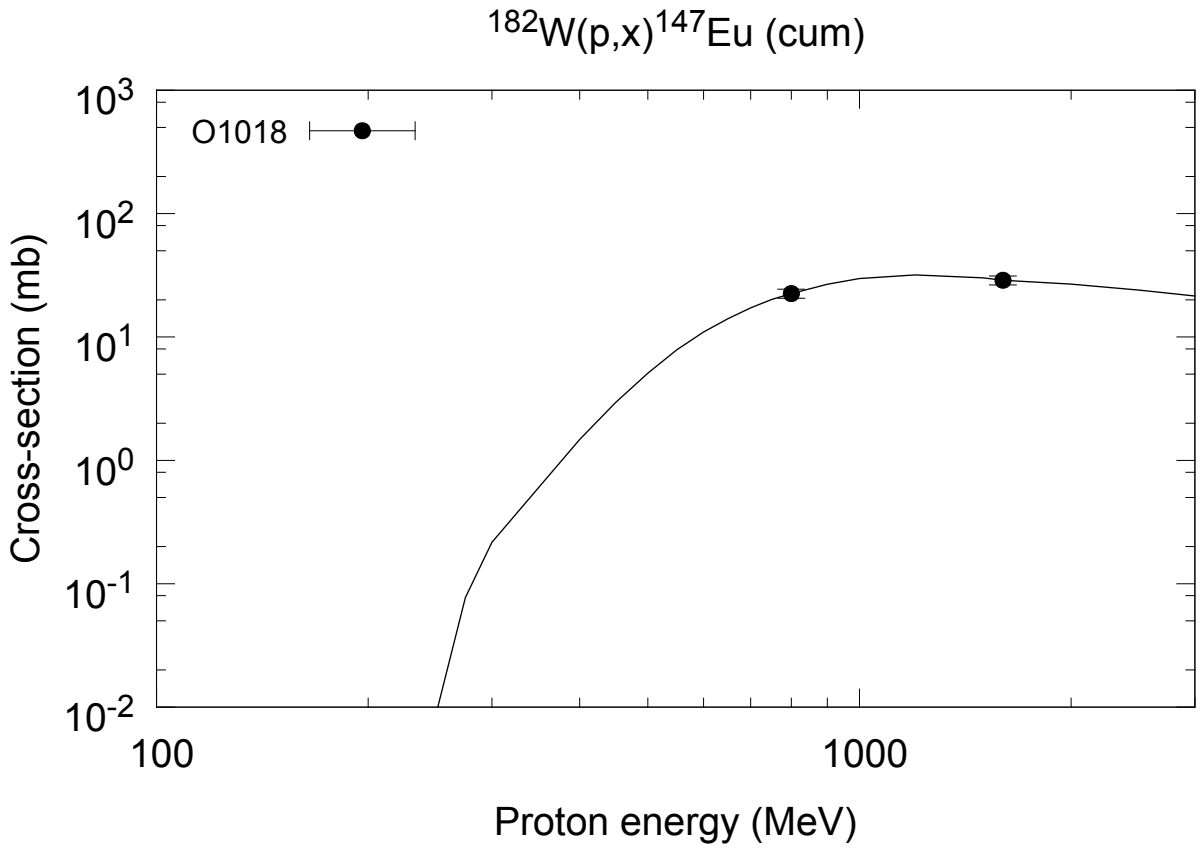

^{182}W(p,x)^{136}Nd (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

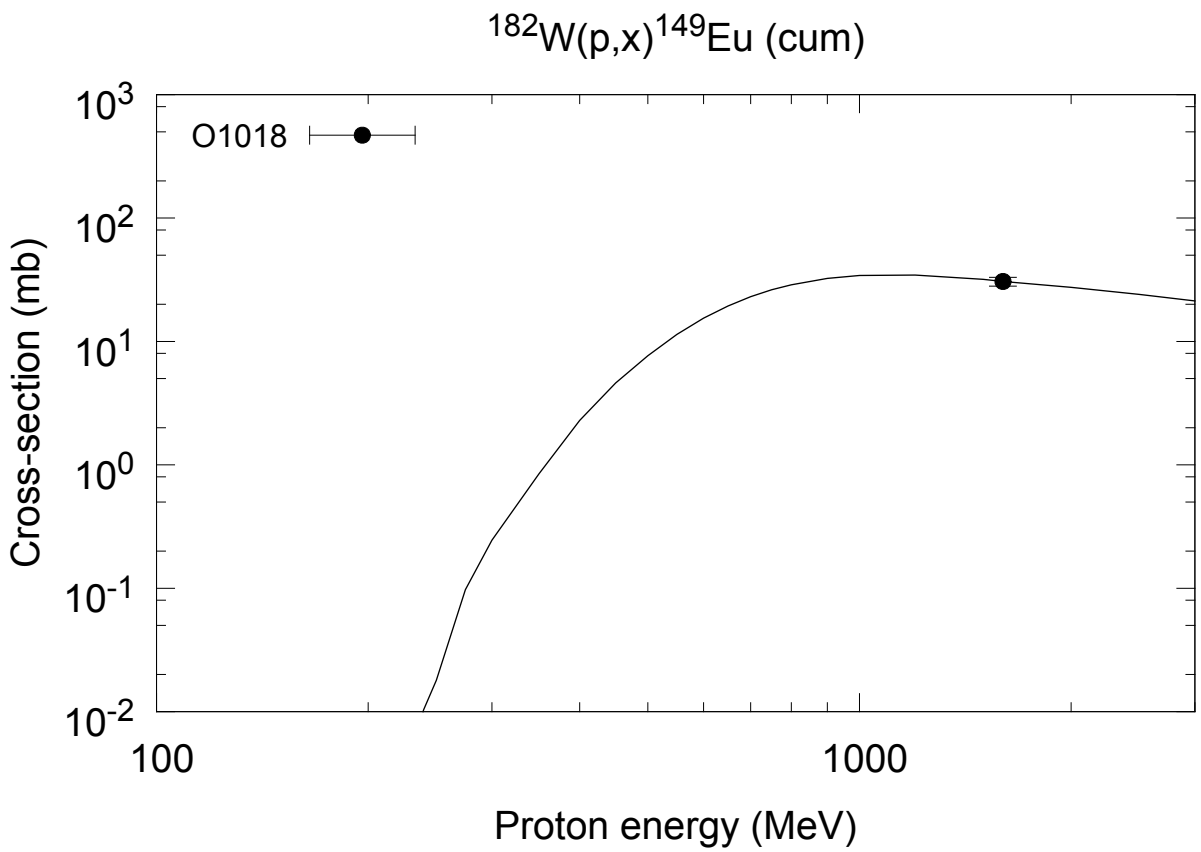

^{182}W(p,x)^{137g}Nd (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

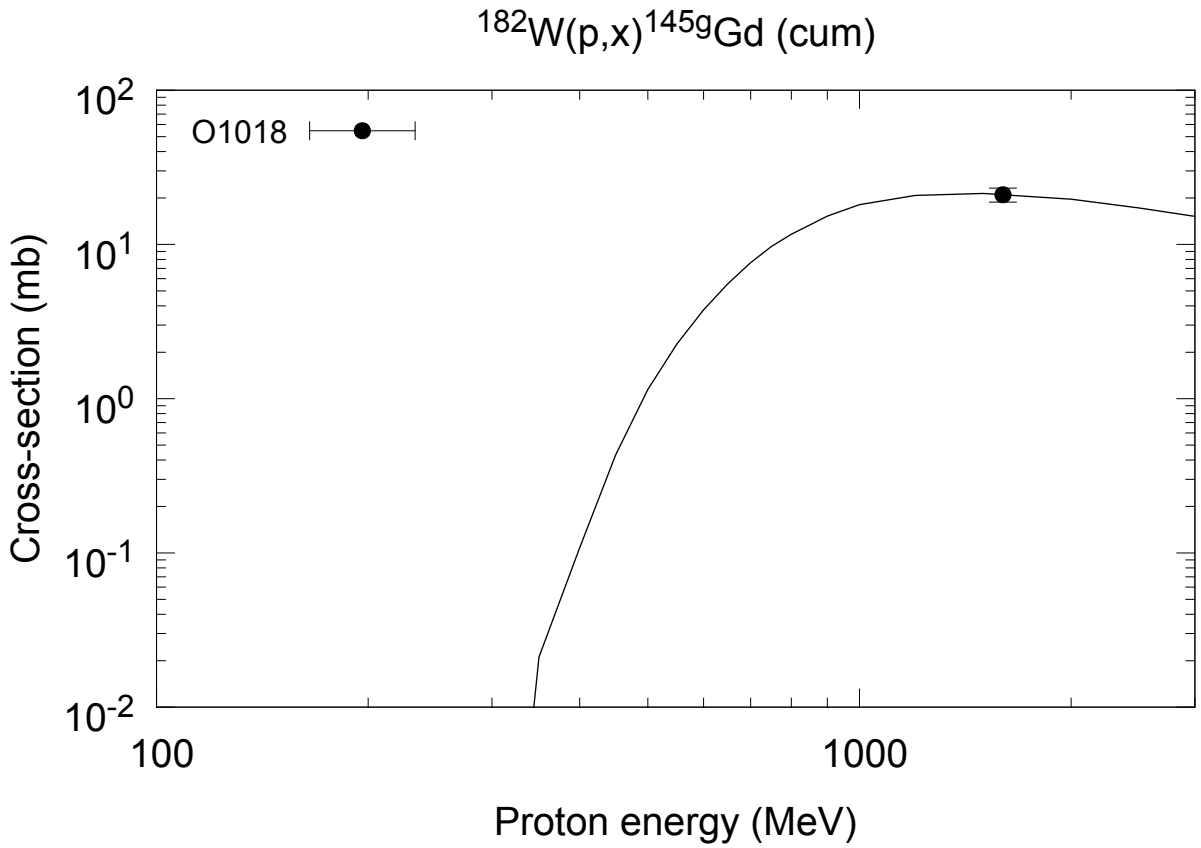

^{182}W(p,x)^{143}Pm (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

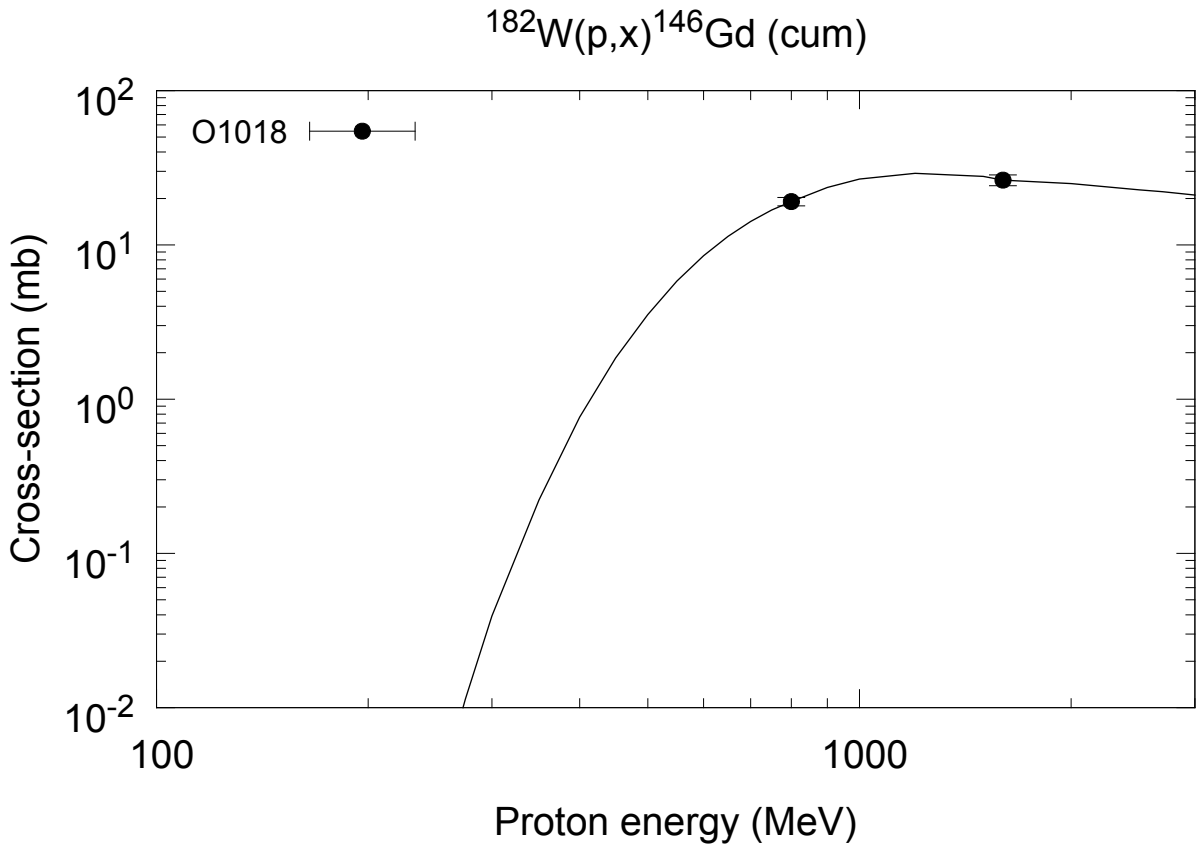

^{182}W(p,x)^{145}Eu (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

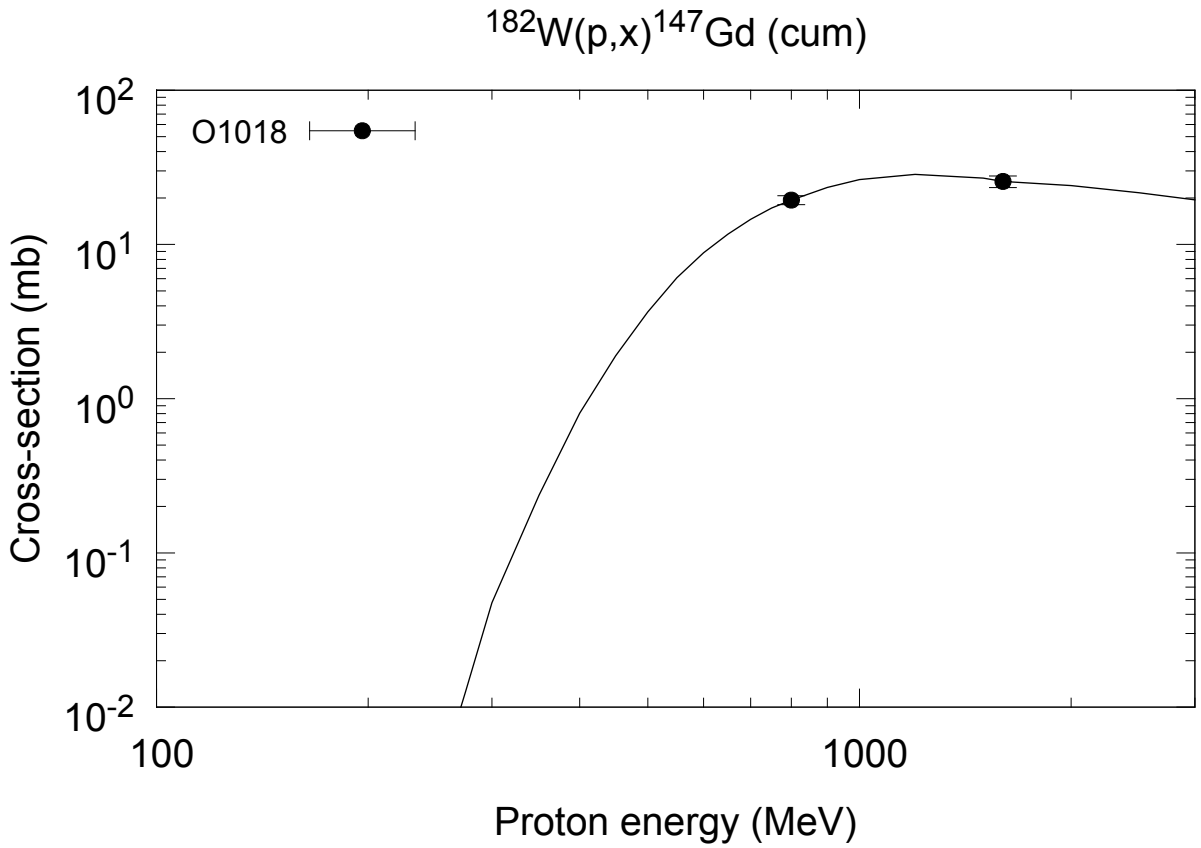

^{182}W(p,x)^{146}Eu (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

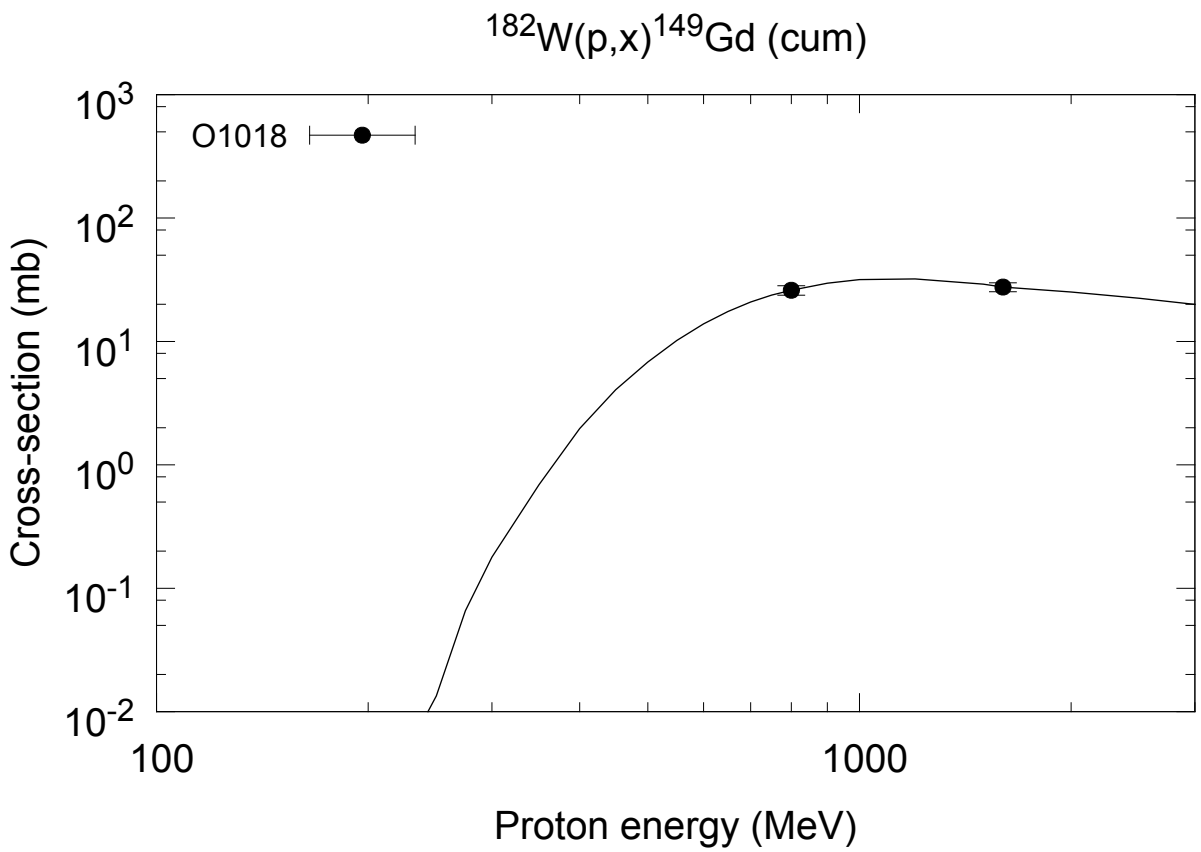

^{182}W(p,x)^{147}Eu (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

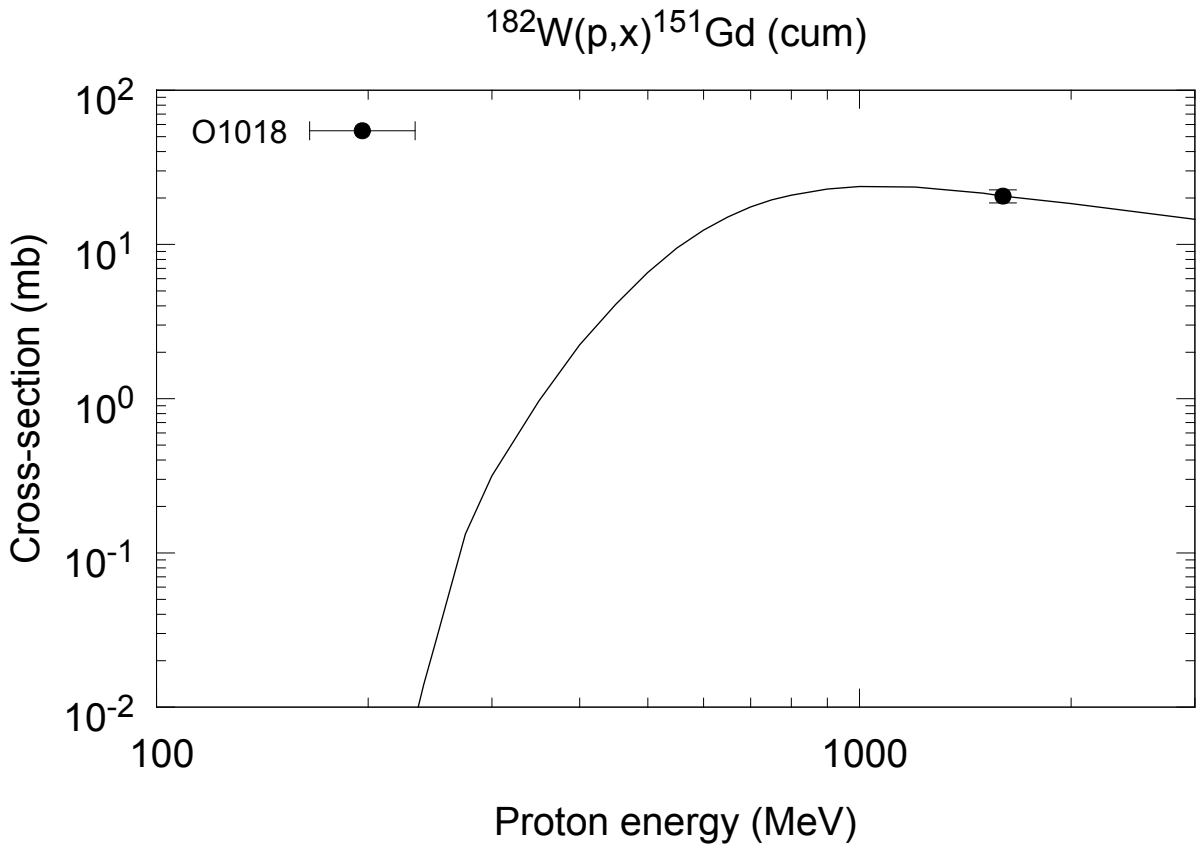

^{182}W(p,x)^{149}Eu (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

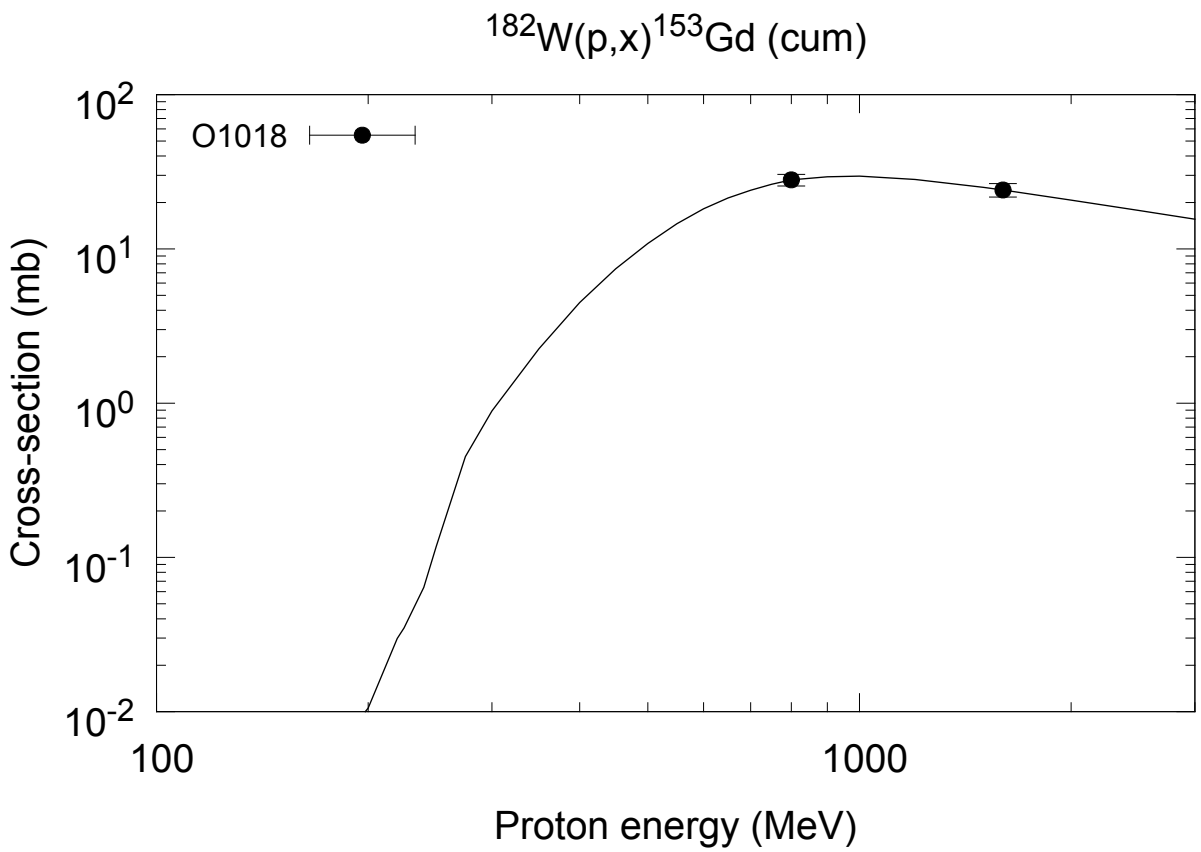

^{182}W(p,x)^{145g}Gd (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

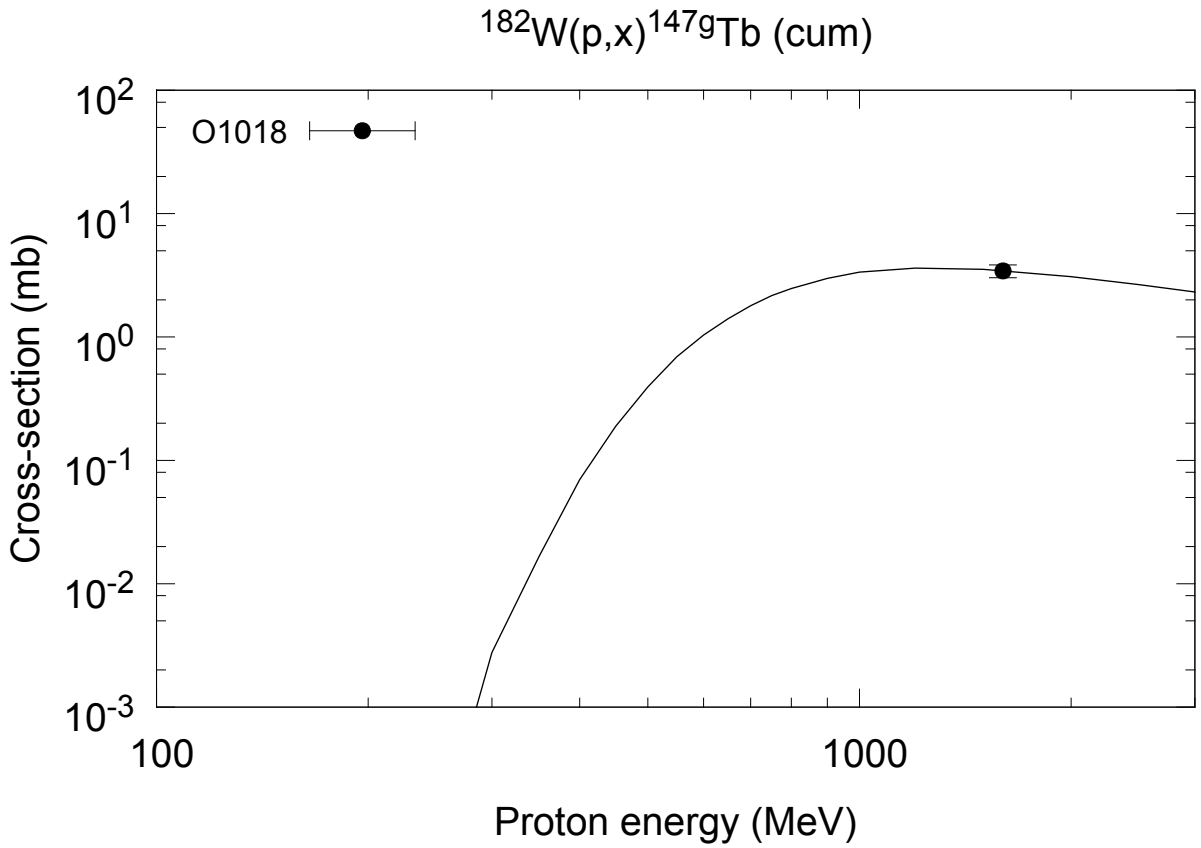

^{182}W(p,x)^{146}Gd (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

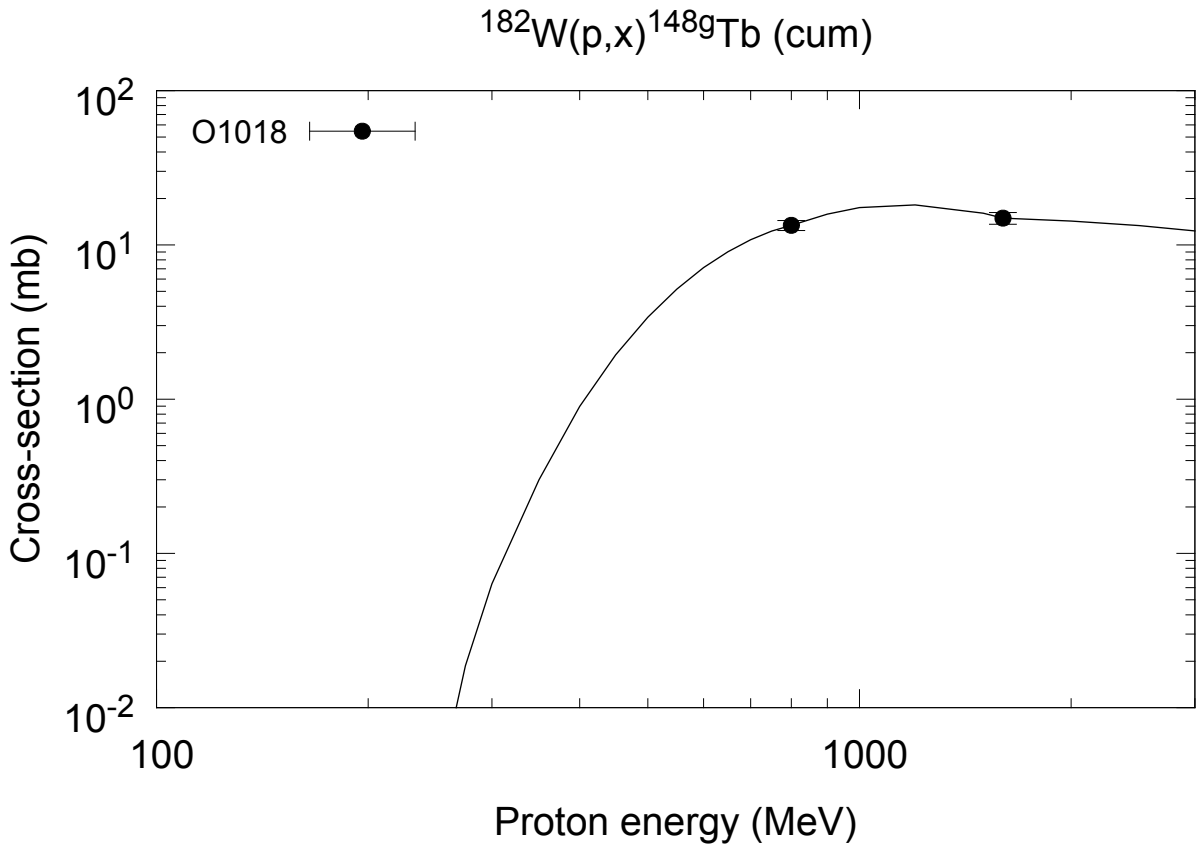

^{182}W(p,x)^{147}Gd (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

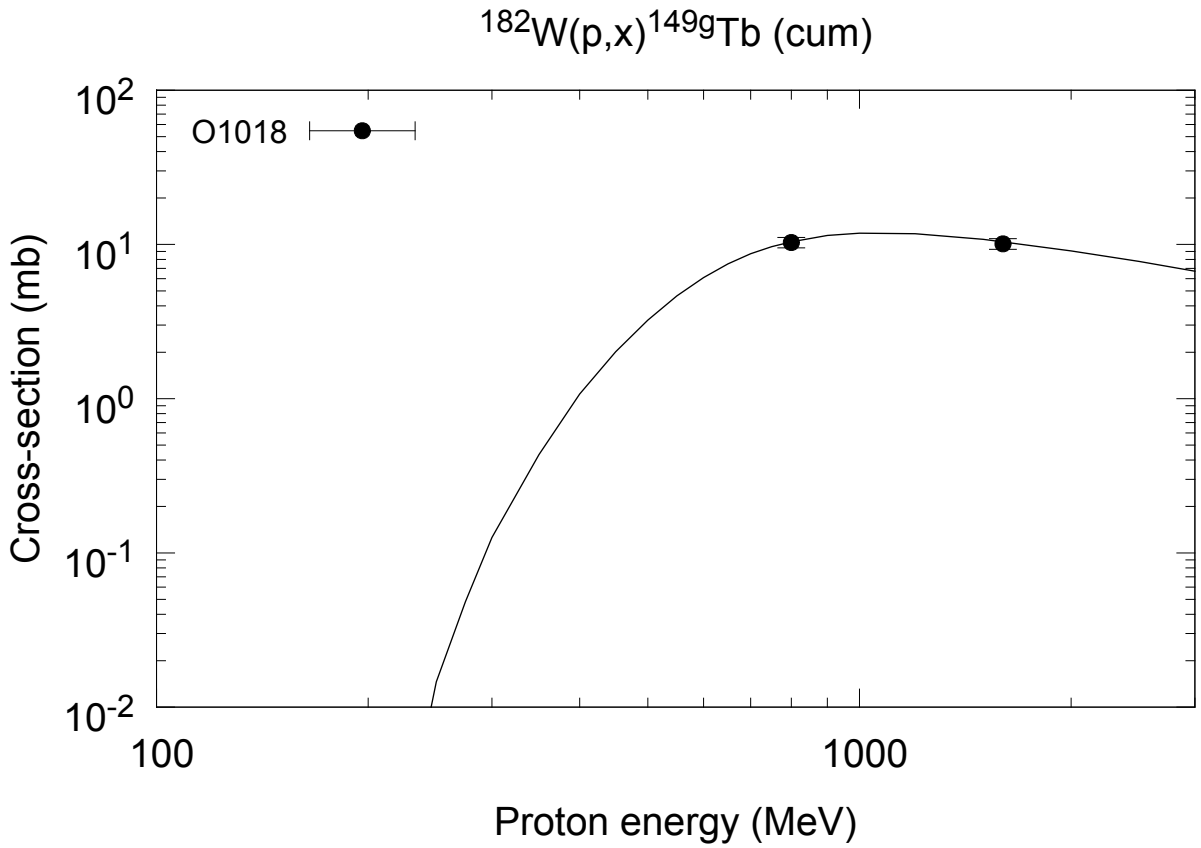

^{182}W(p,x)^{149}Gd (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

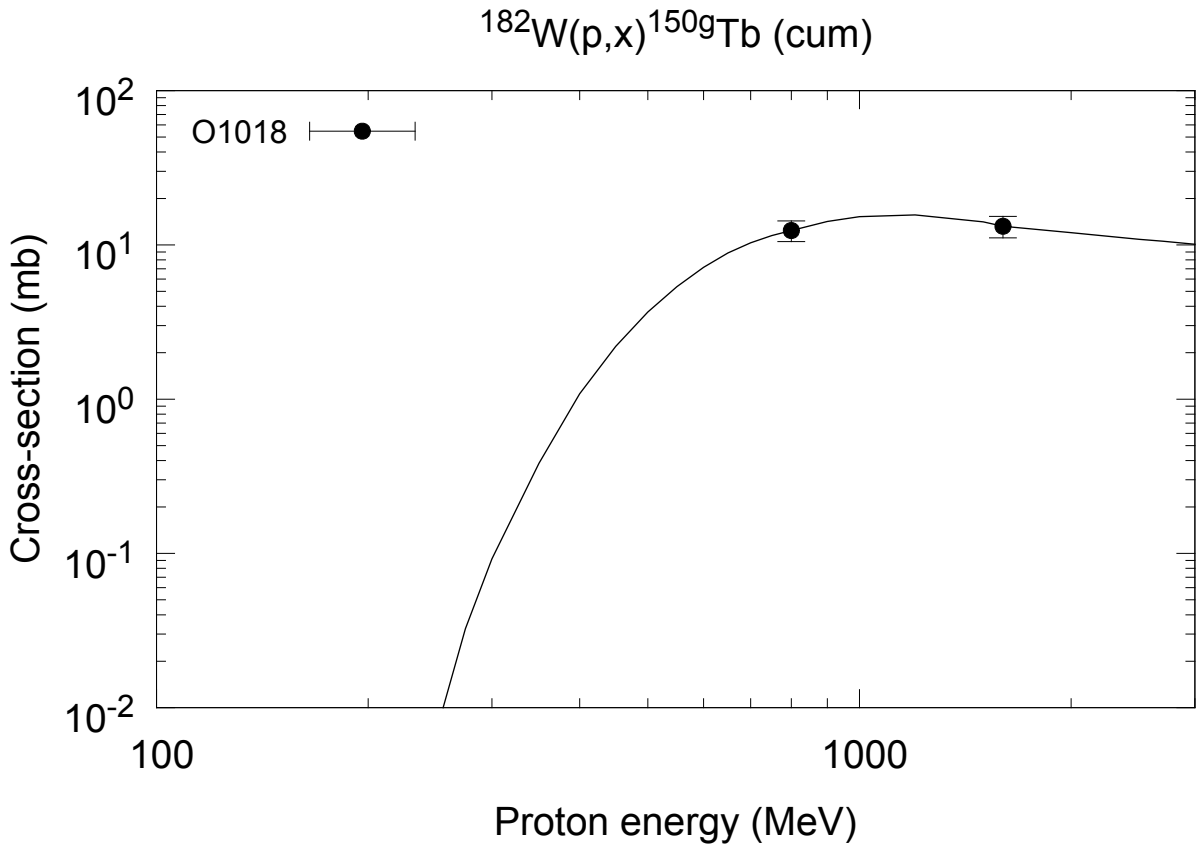

^{182}W(p,x)^{151}Gd (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

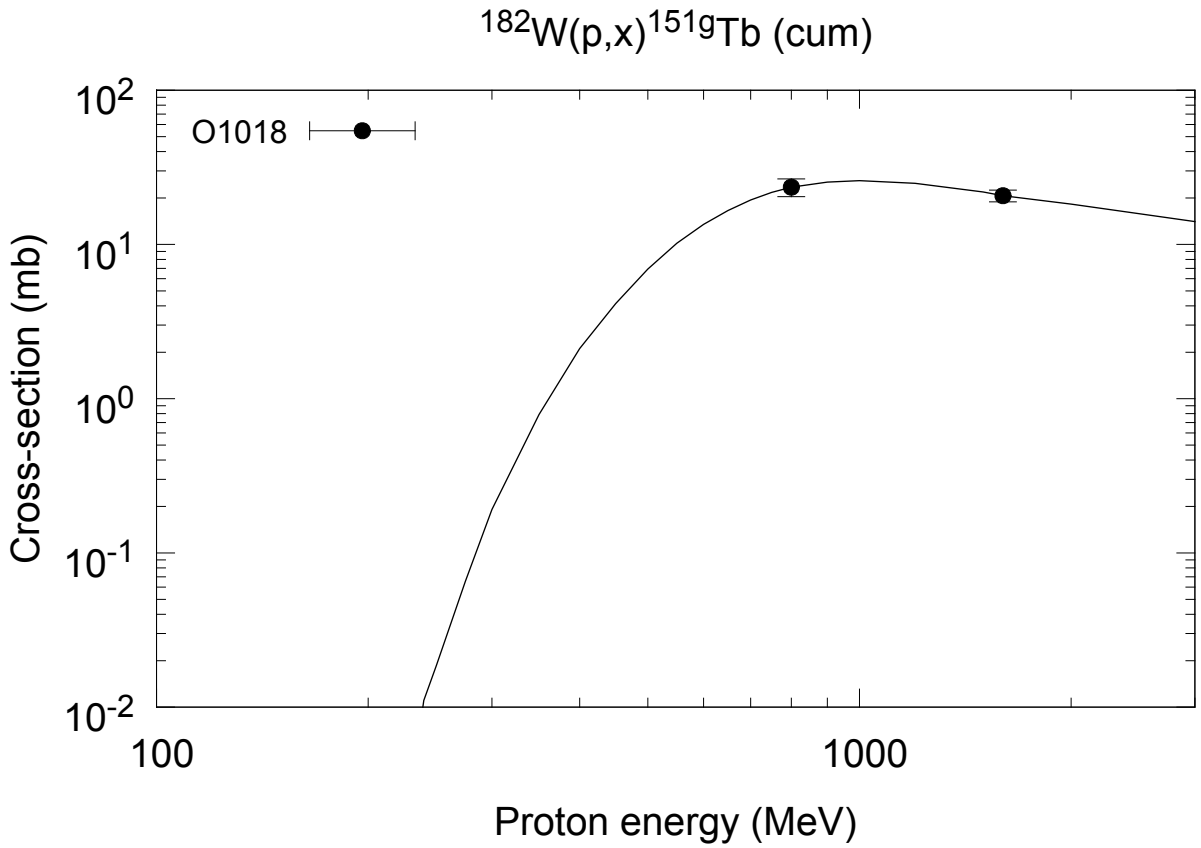

^{182}W(p,x)^{153}Gd (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

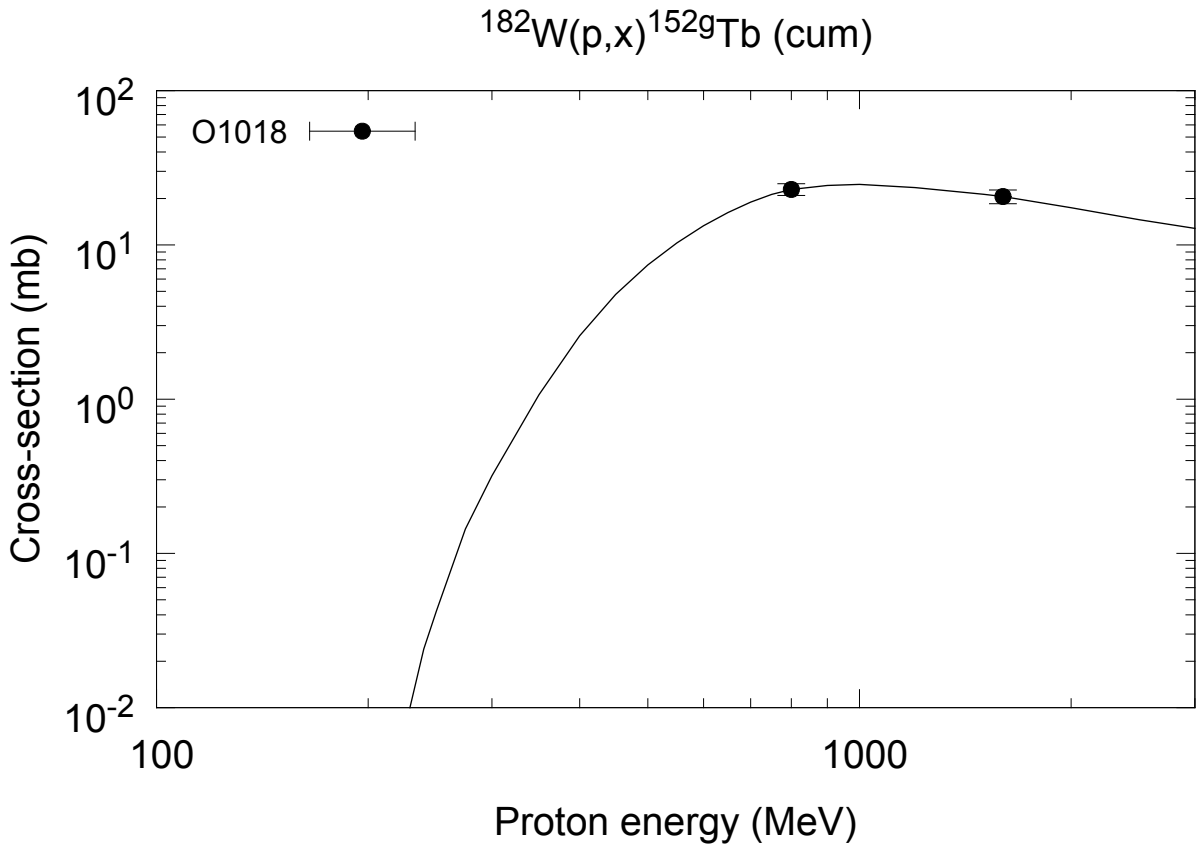

^{182}W(p,x)^{147g}Tb (cum)
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{148g}Tb (cum)
O1018
Cross-section (mb)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{149g}Tb (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{150g}Tb (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{151g}Tb (cum)
O1018
Cross-section (mb)
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{152g}Tb (cum)
O1018
Cross-section (mb)
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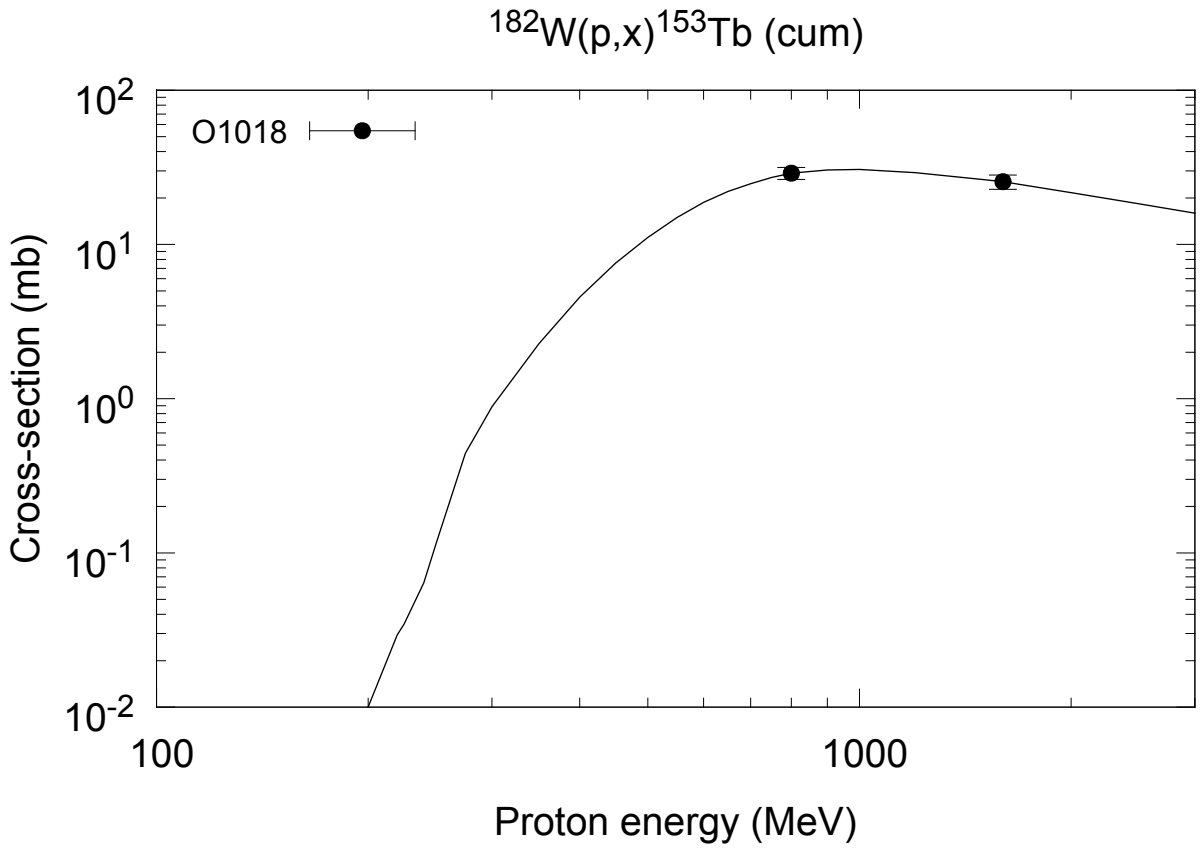
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{153}Tb (cum)
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Cross-section (mb)
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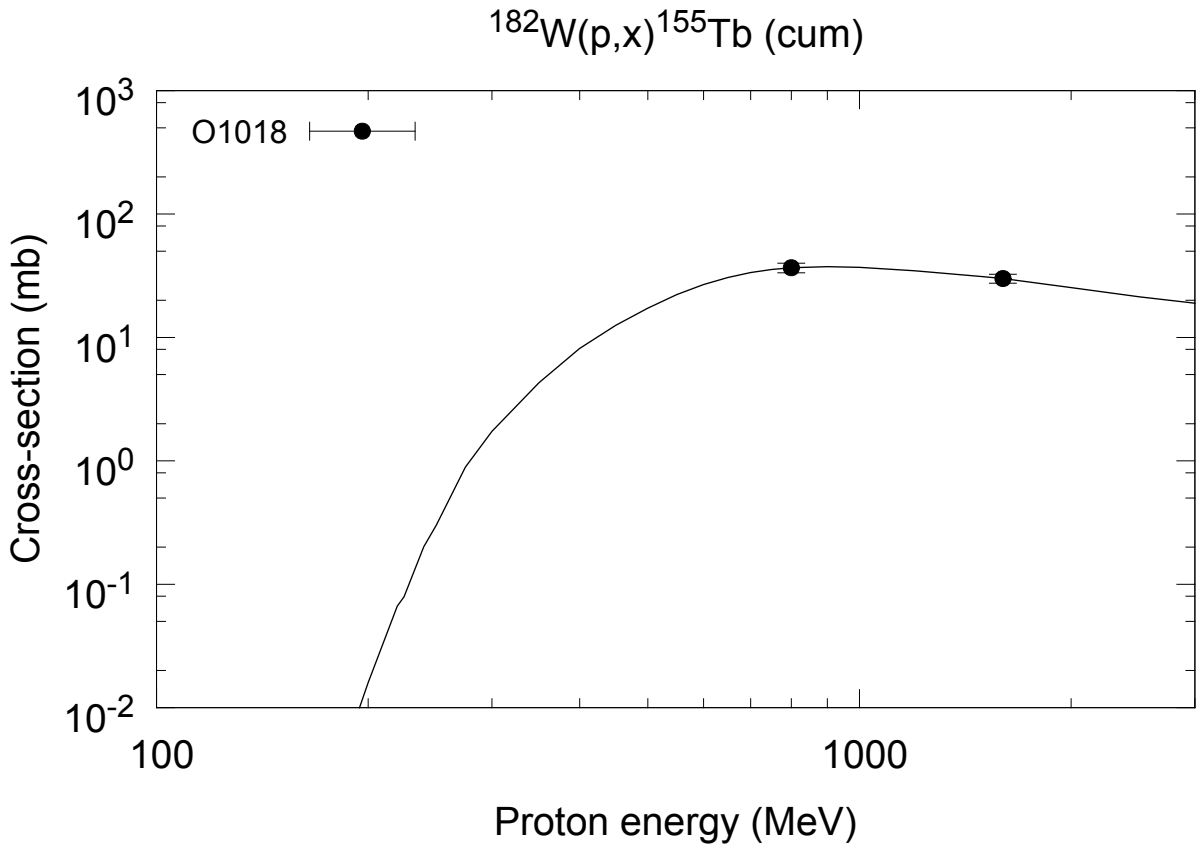
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{155}Tb (cum)
O1018
Cross-section (mb)
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10^1
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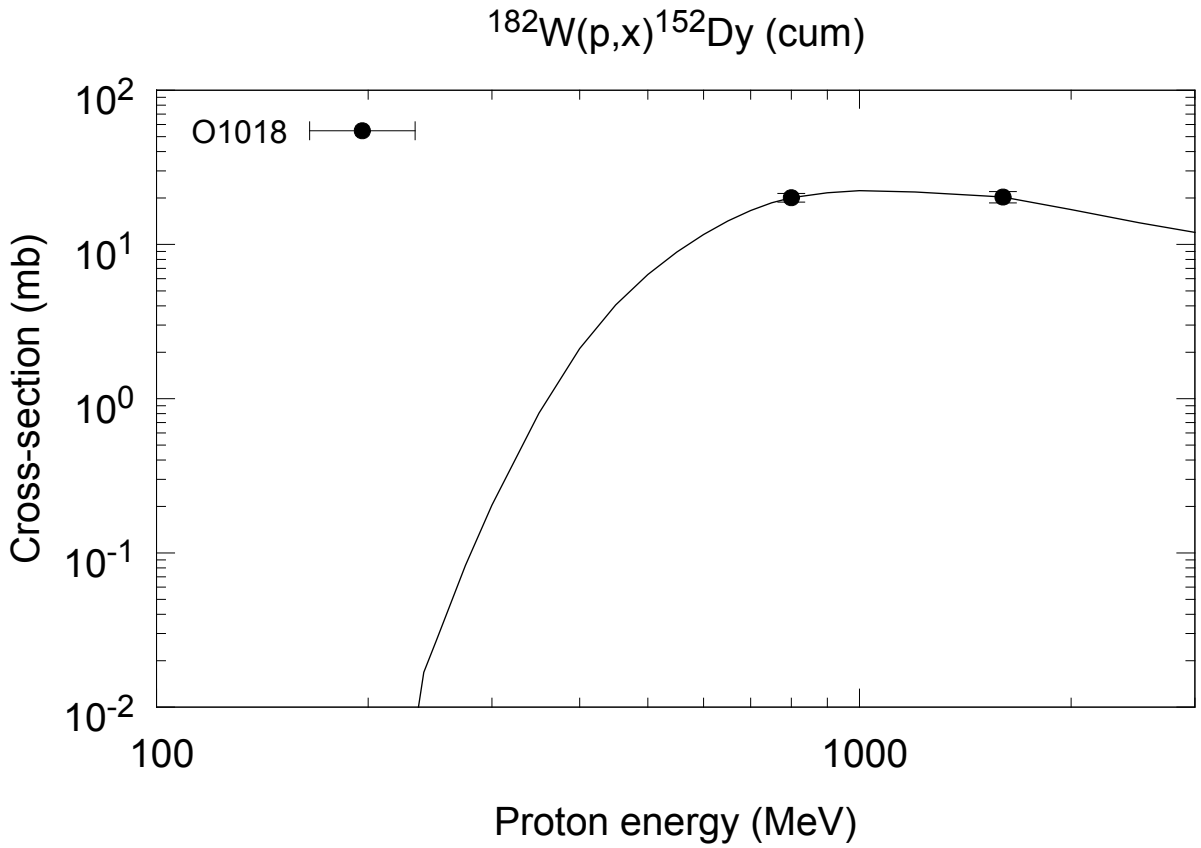
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{152}Dy (cum)
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Cross-section (mb)
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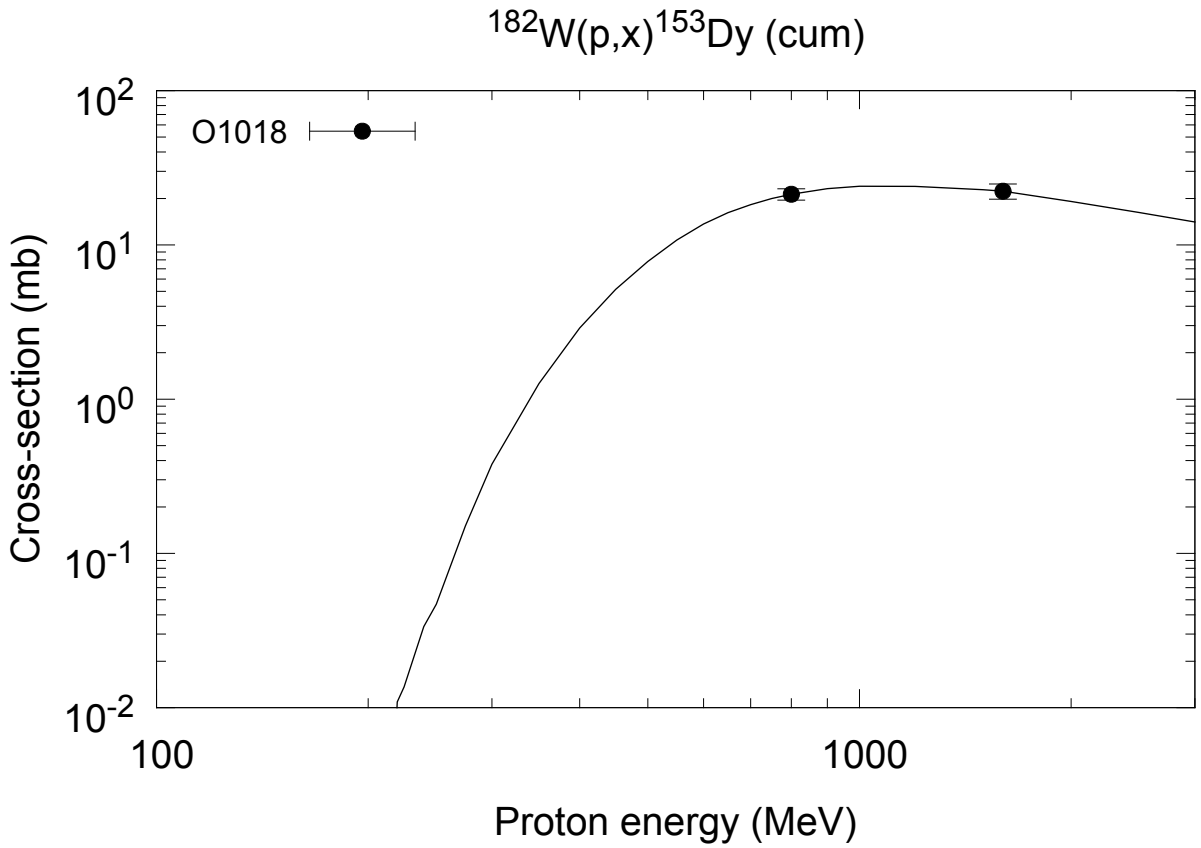
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{153}Dy (cum)
O1018
Cross-section (mb)
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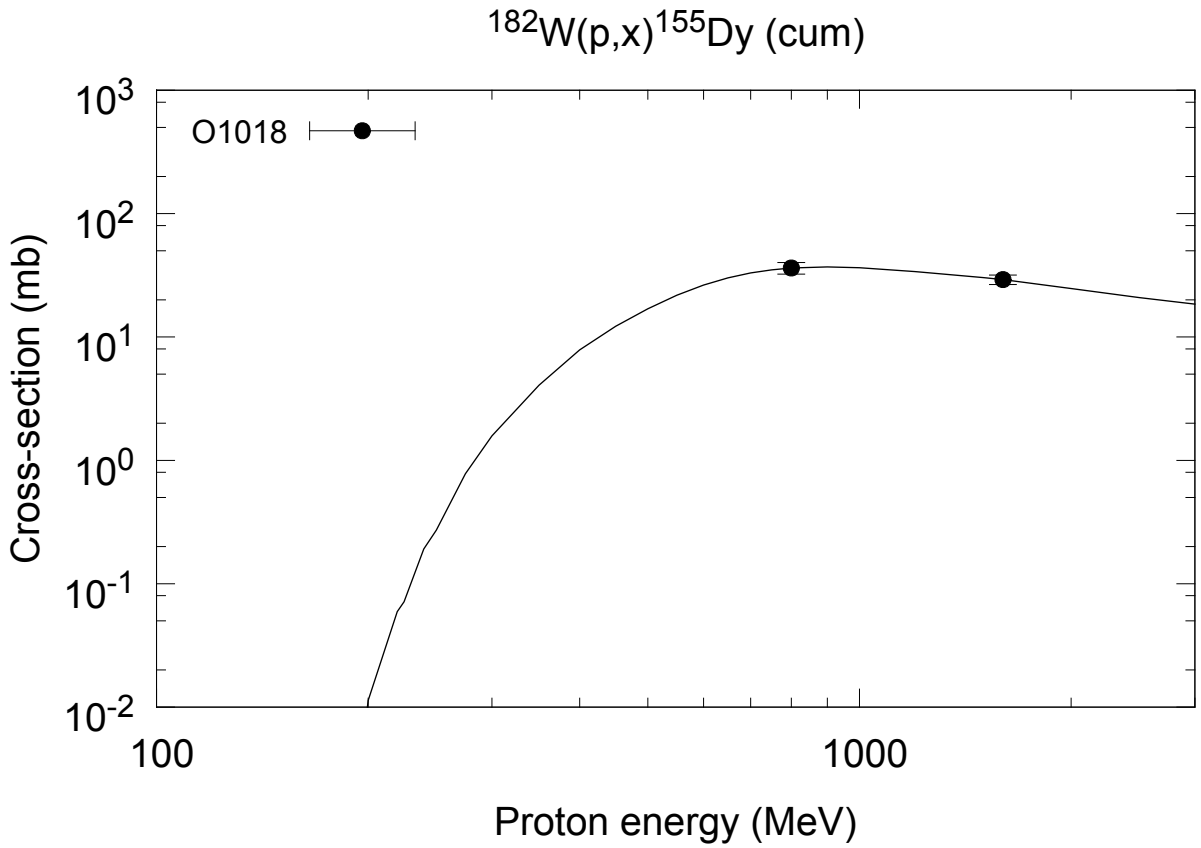
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)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O1018
Cross-section (mb)
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10^1
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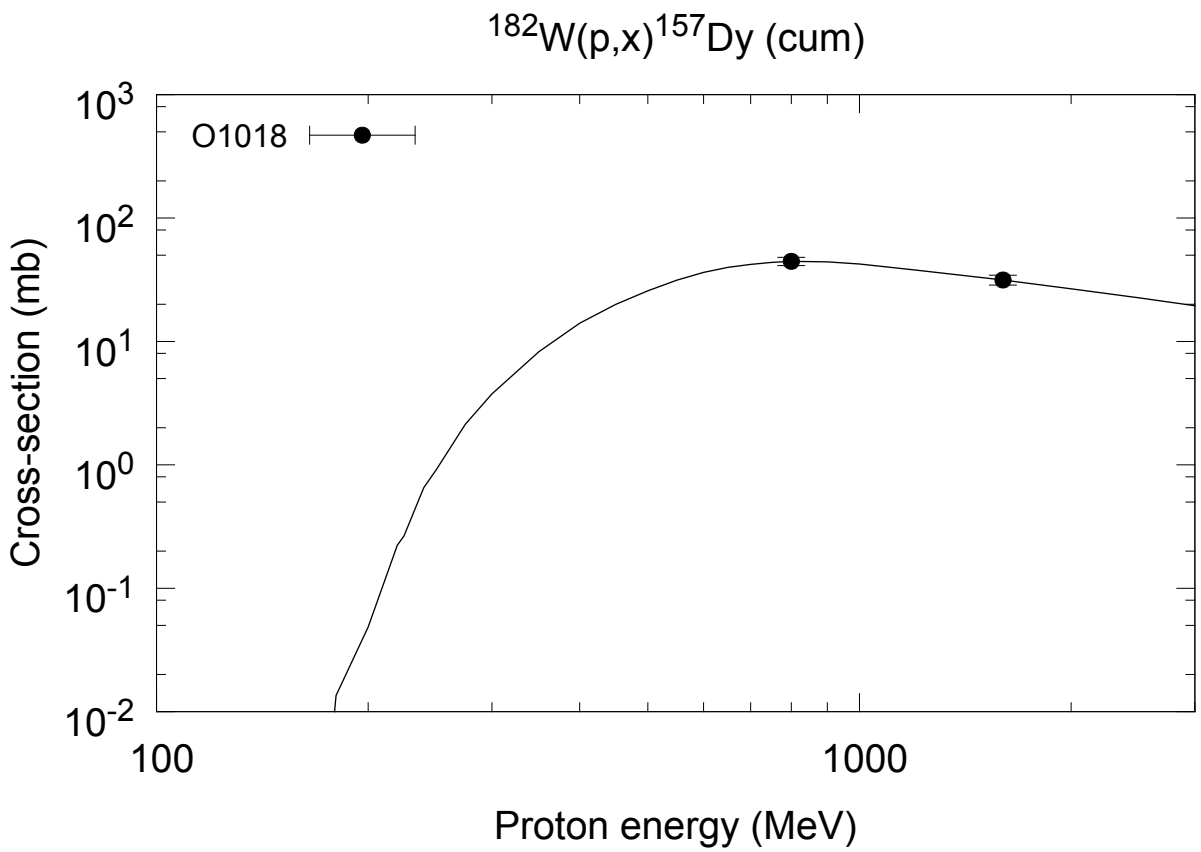
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{157}Dy (cum)
O1018
Cross-section (mb)
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10^2
10^1
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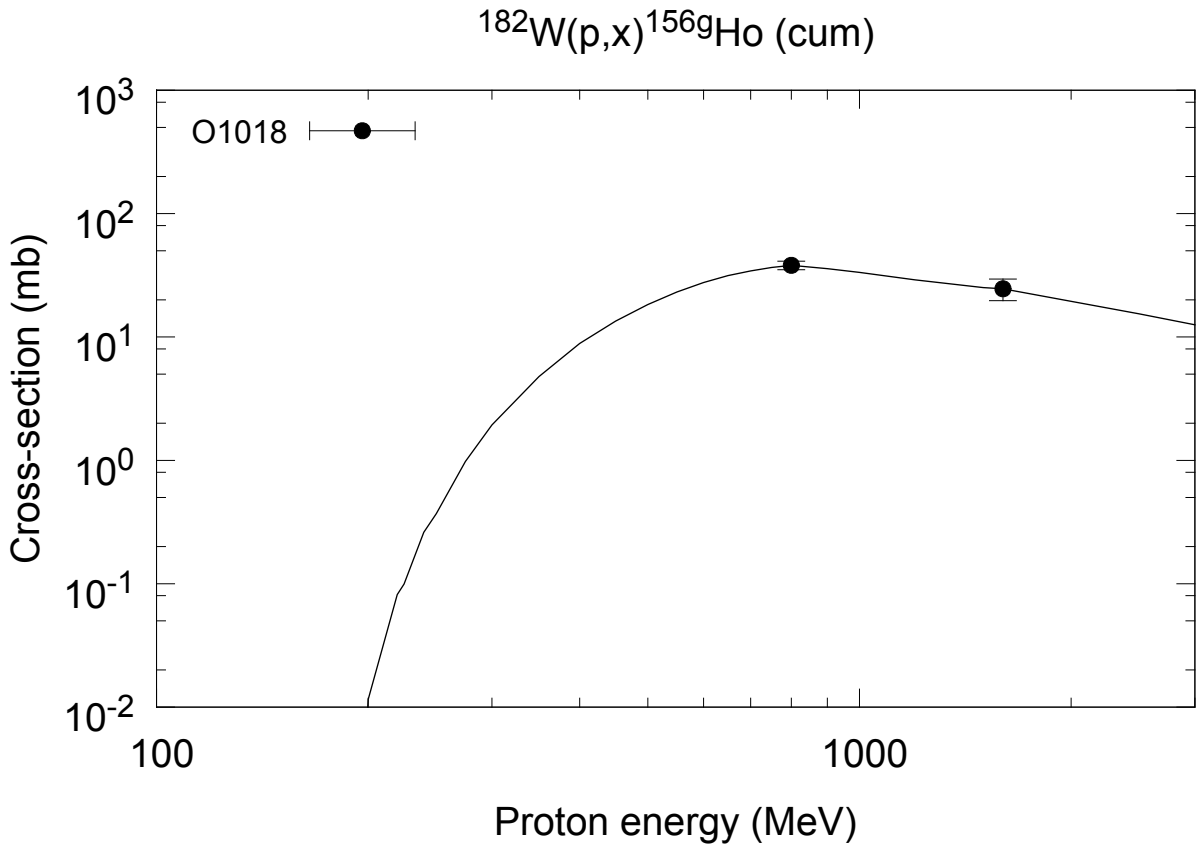
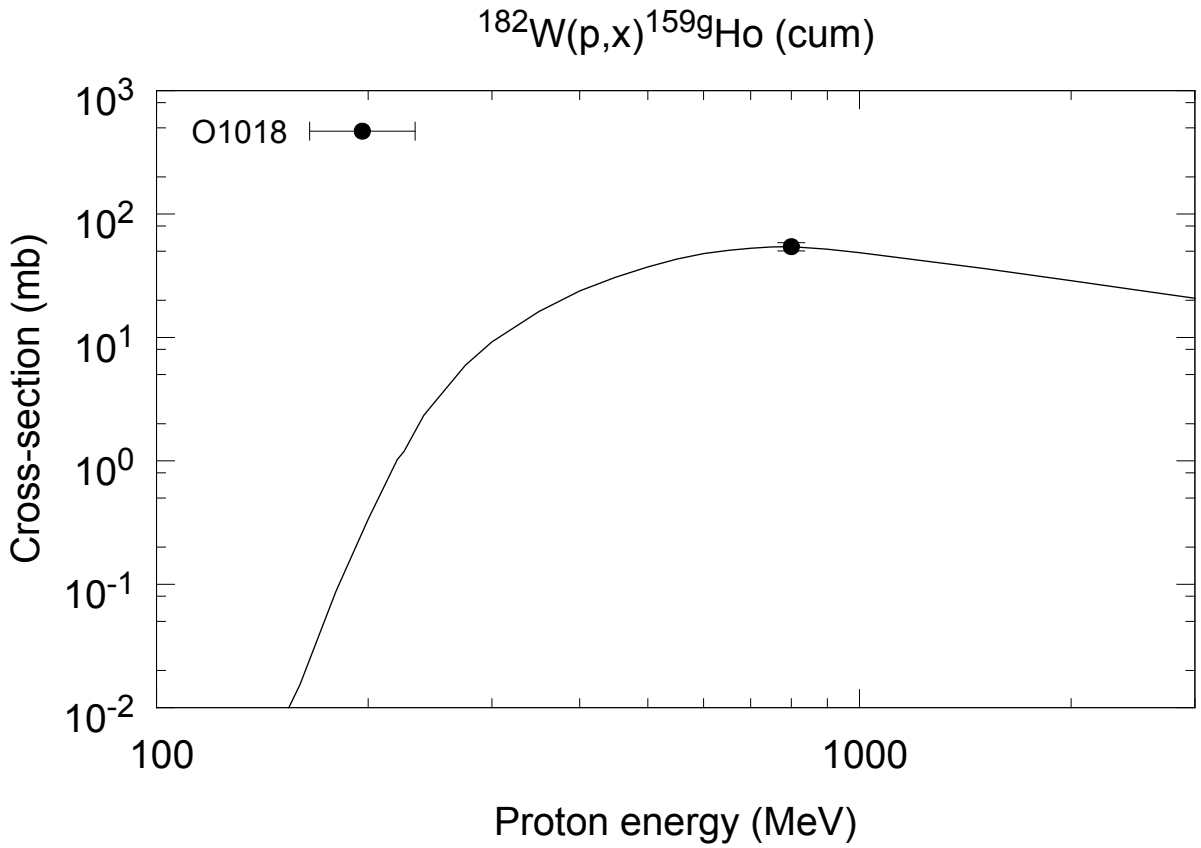
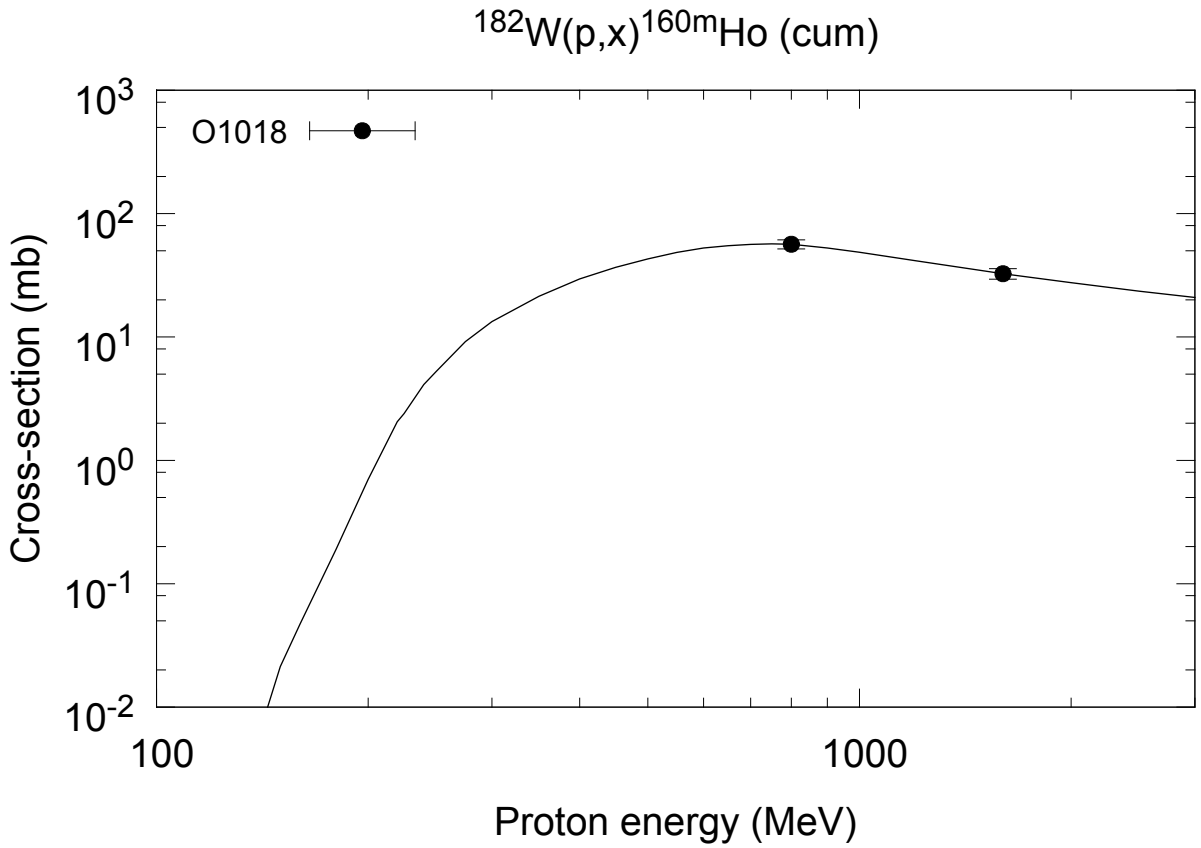
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{156g}Ho (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{159g}Ho (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{160m}Ho (cum)
O1018
Cross-section (mb)
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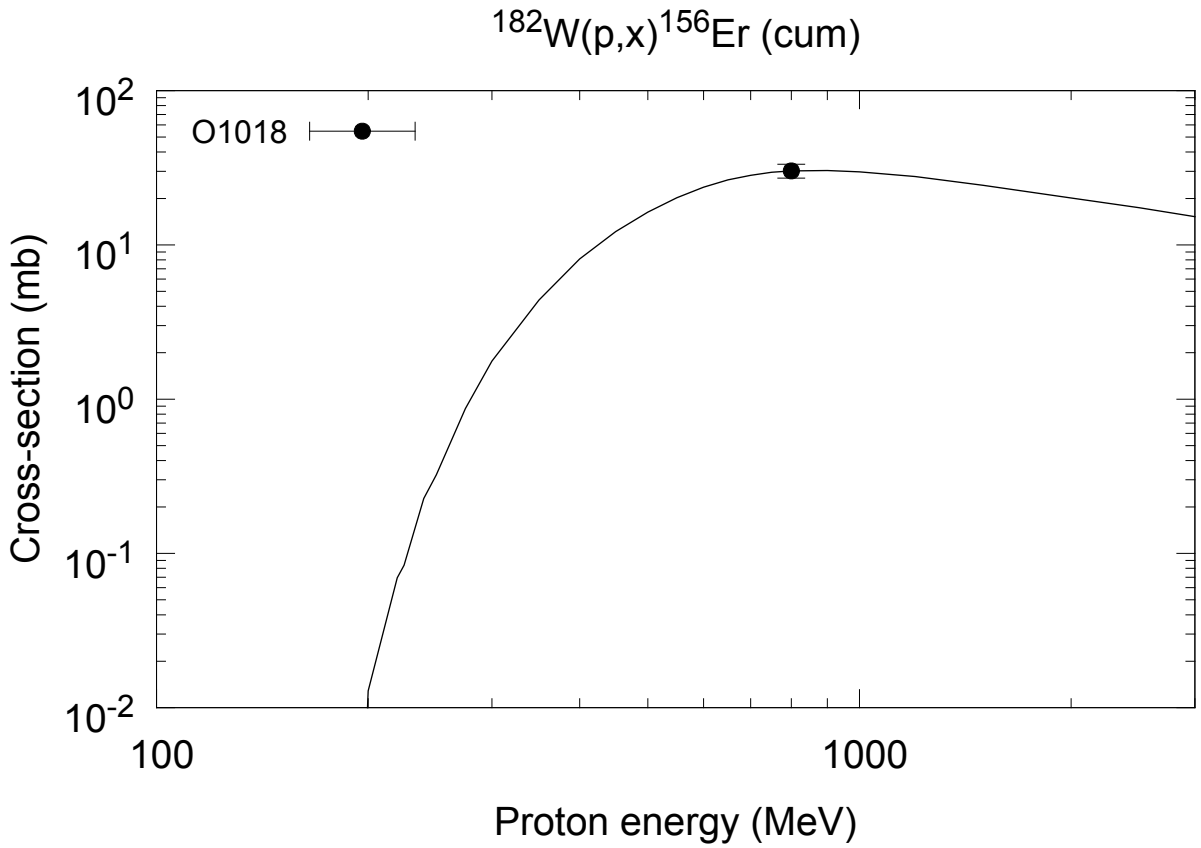
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{156}Er (cum)
O1018
Cross-section (mb)
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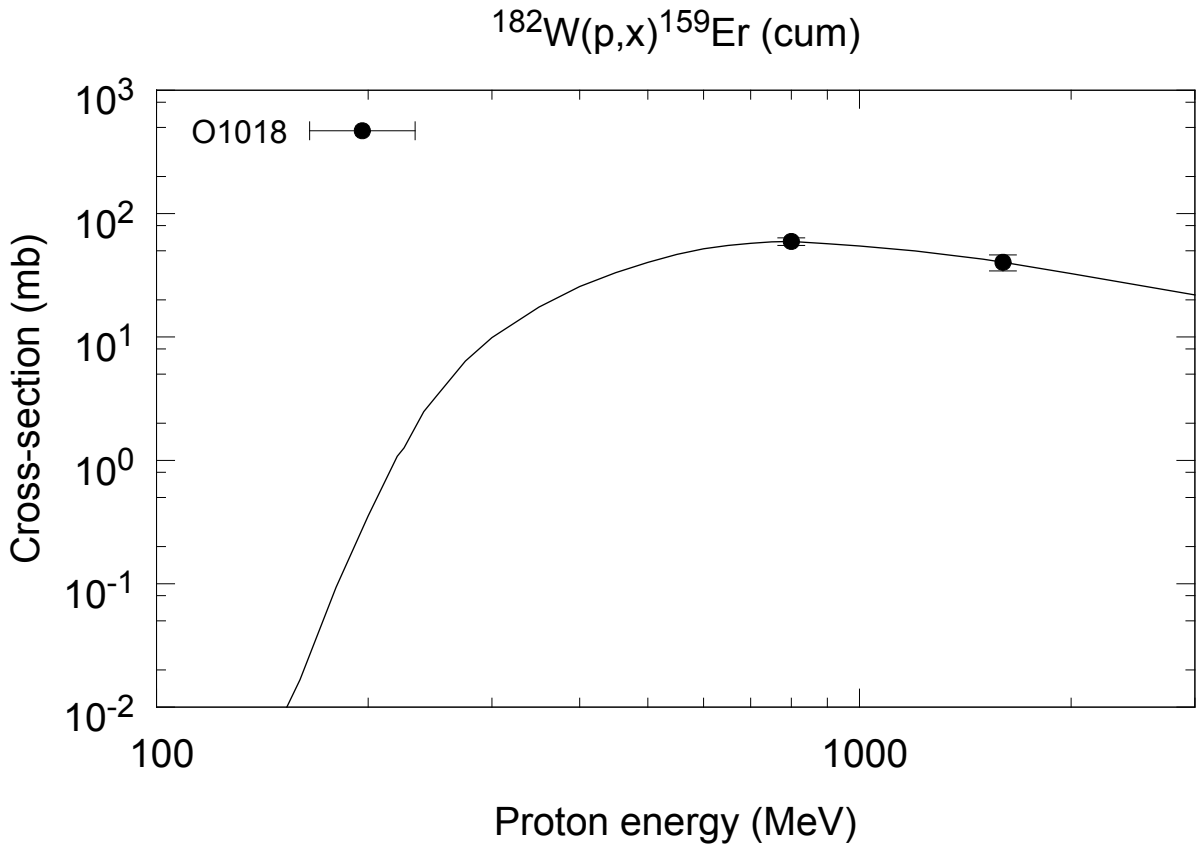
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)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O1018
Cross-section (mb)
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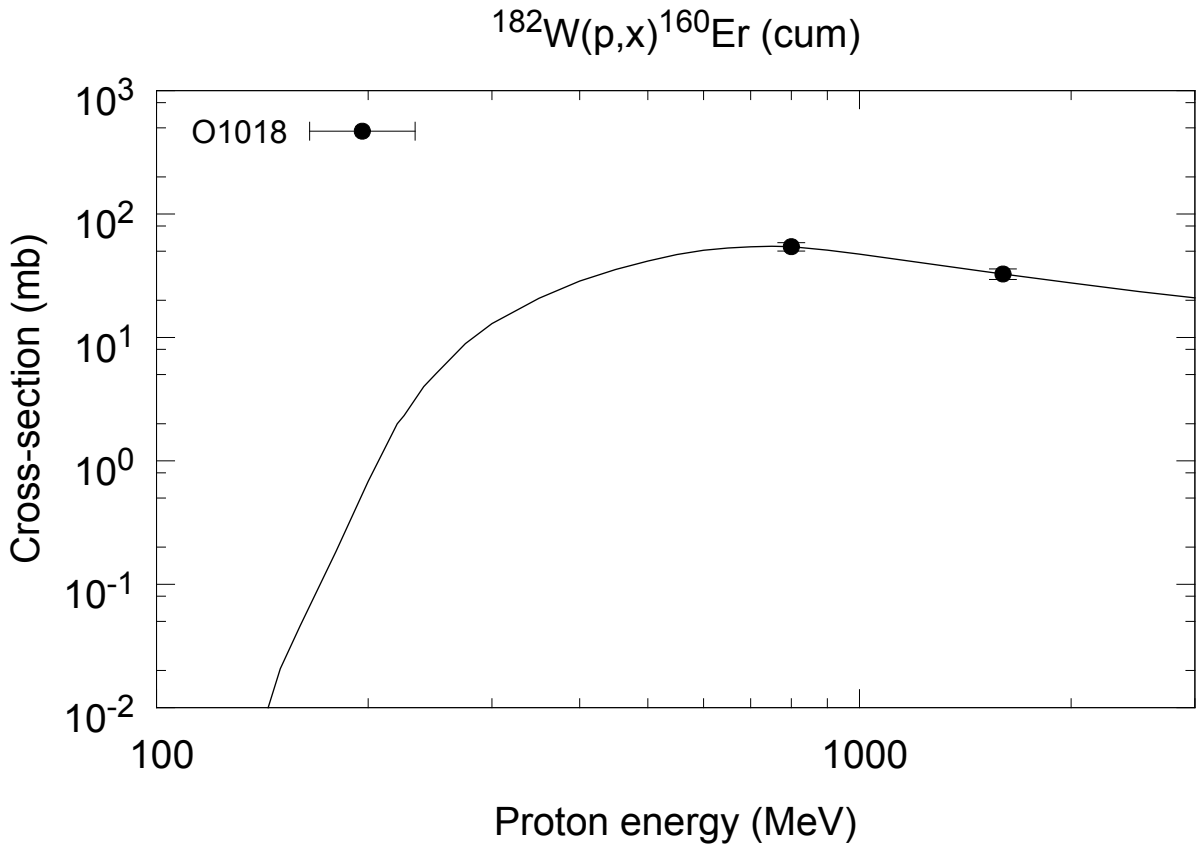
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)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O1018
Cross-section (mb)
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10^1
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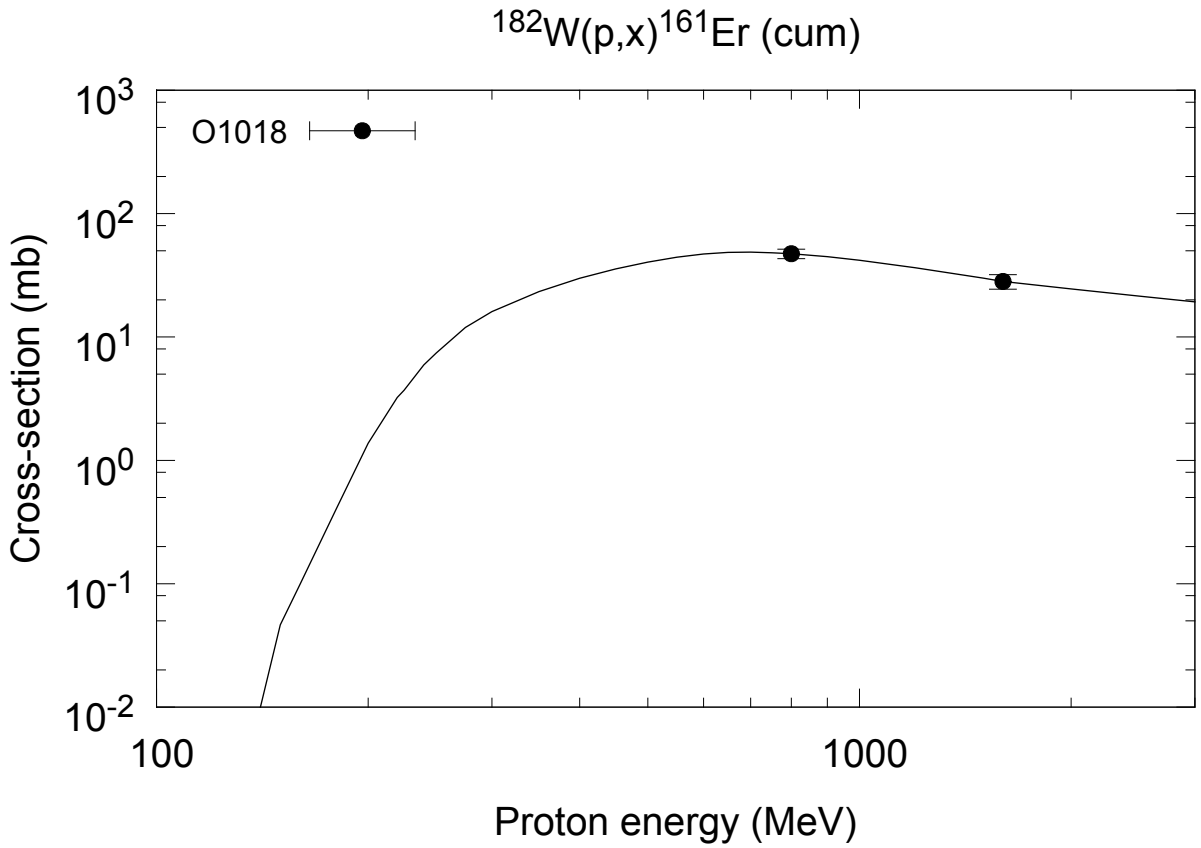
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{161}Er (cum)
O1018
Cross-section (mb)
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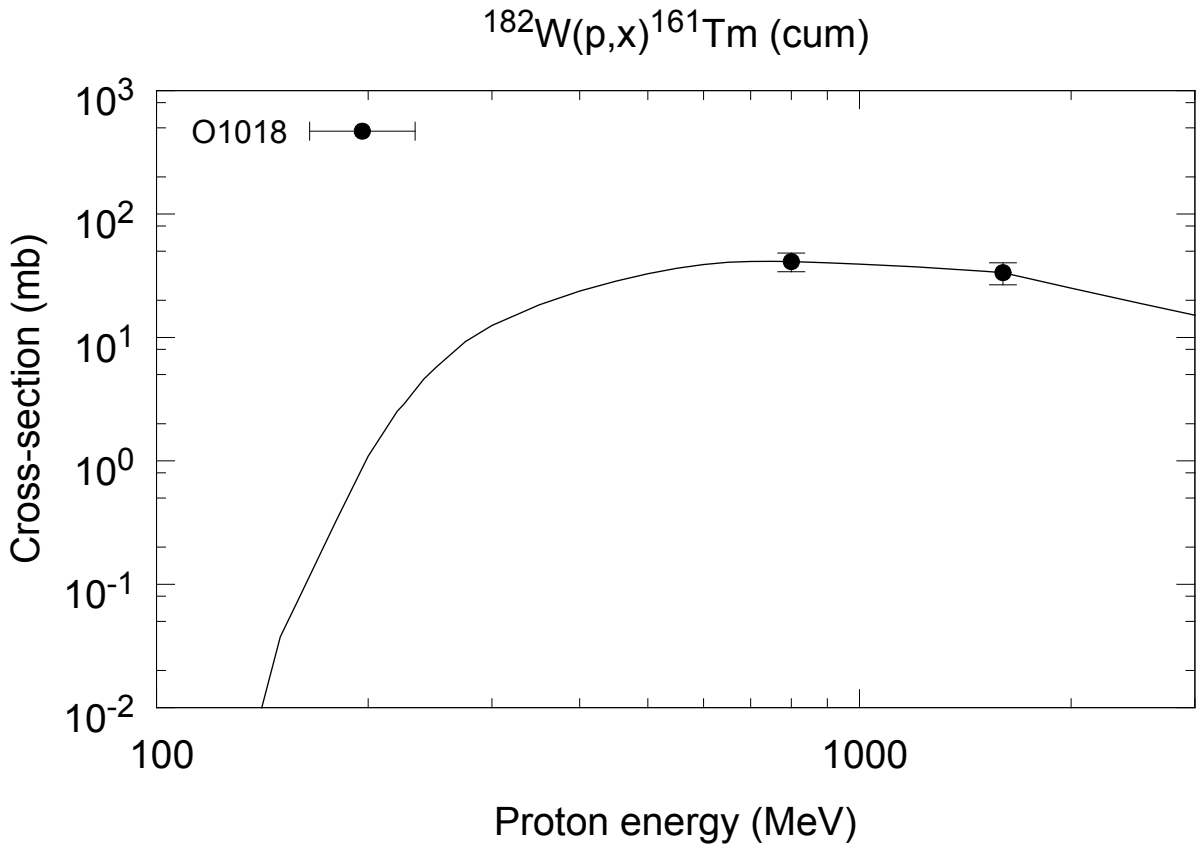
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{161}Tm (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
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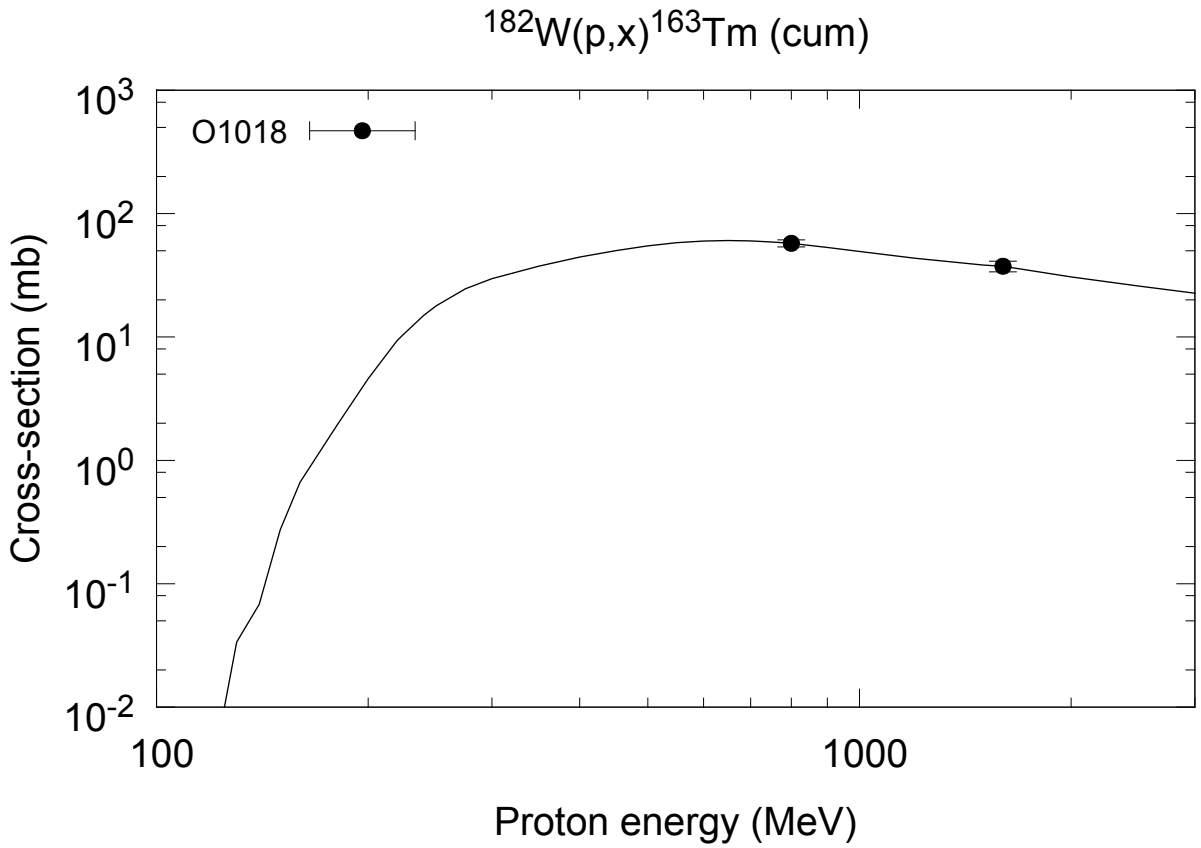
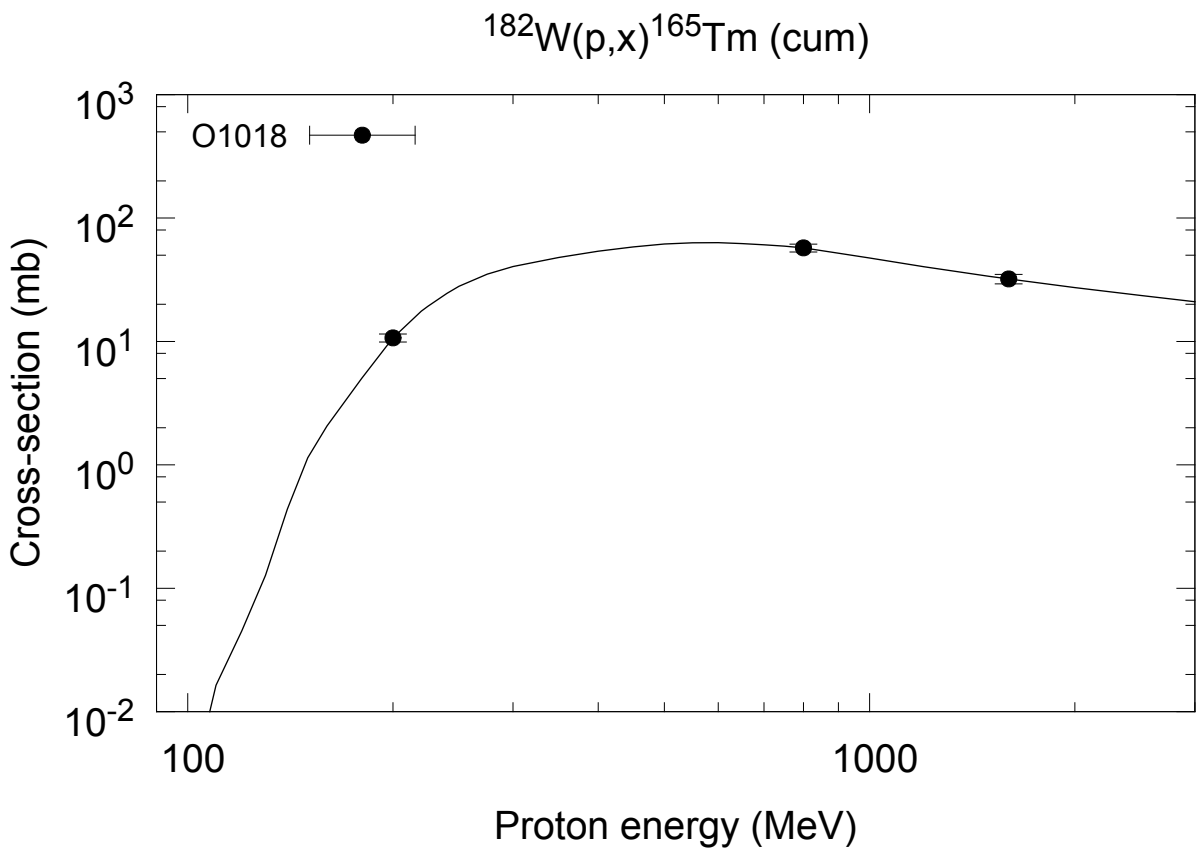
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{163}Tm (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{165}Tm (cum)
O1018
Cross-section (mb)
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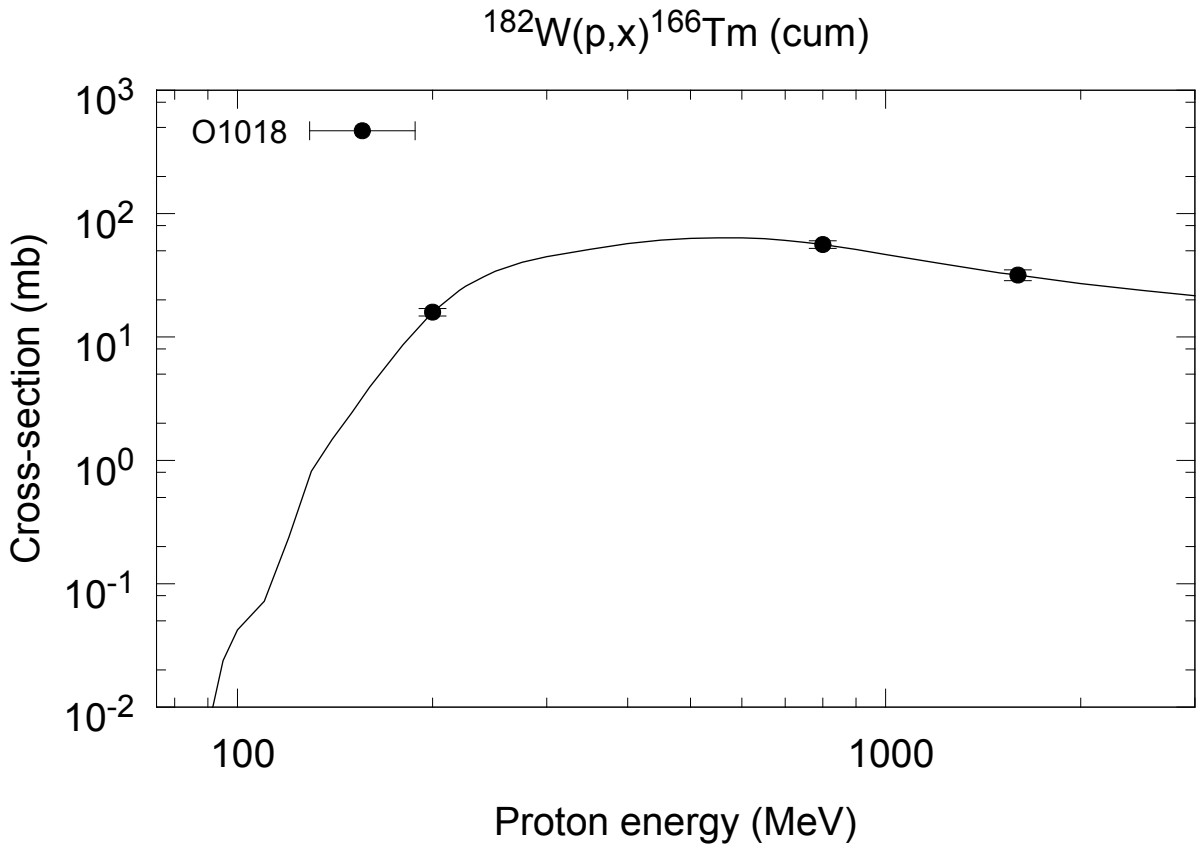
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)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O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
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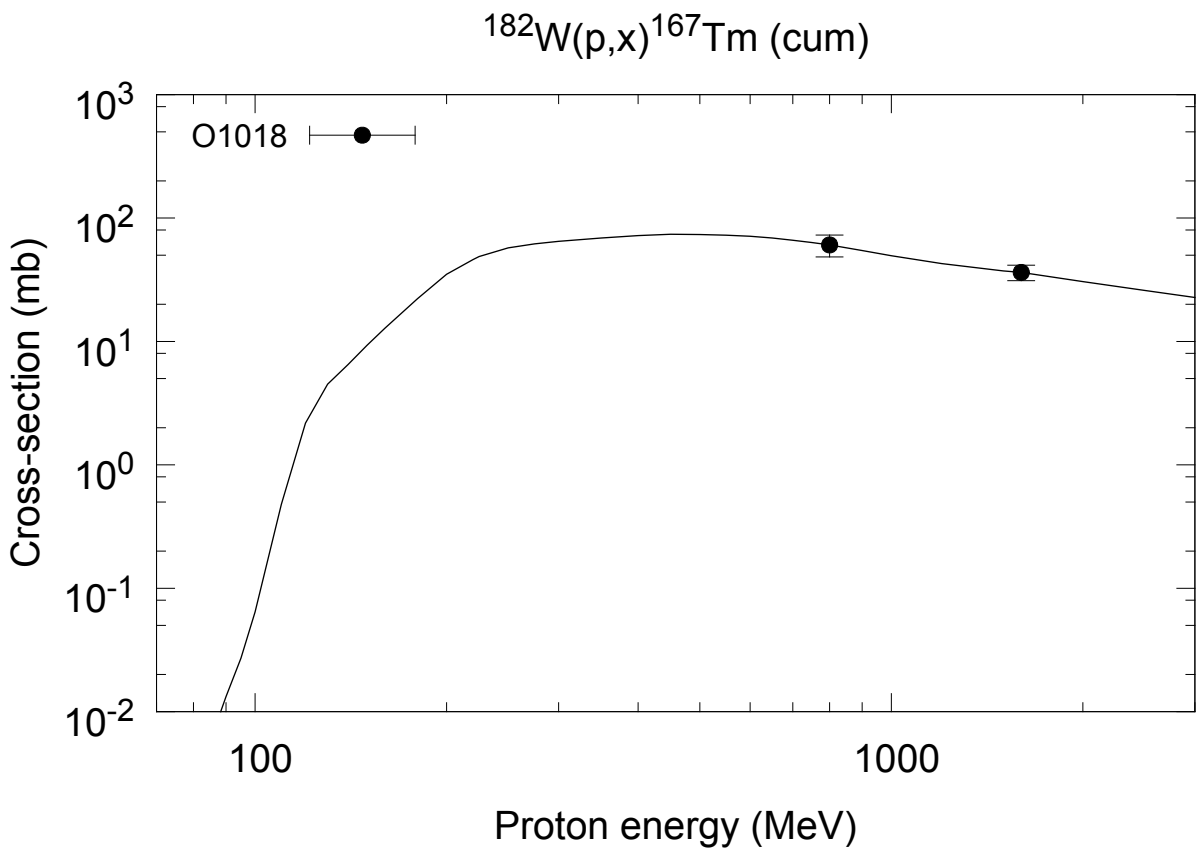
10^{-2}
100
1000
Proton energy (MeV)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Cross-section (mb)
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10^2
10^1
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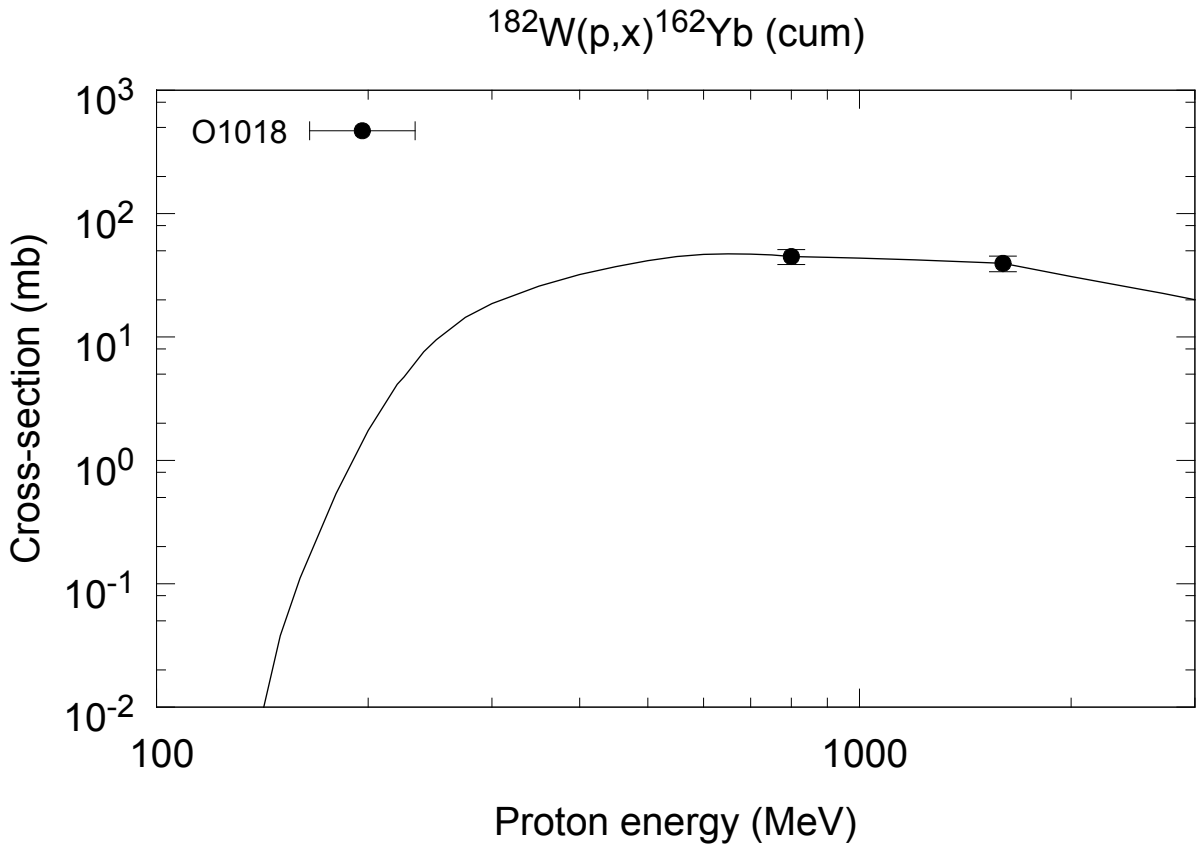
10^{-2}
100
1000
Proton energy (MeV)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Cross-section (mb)
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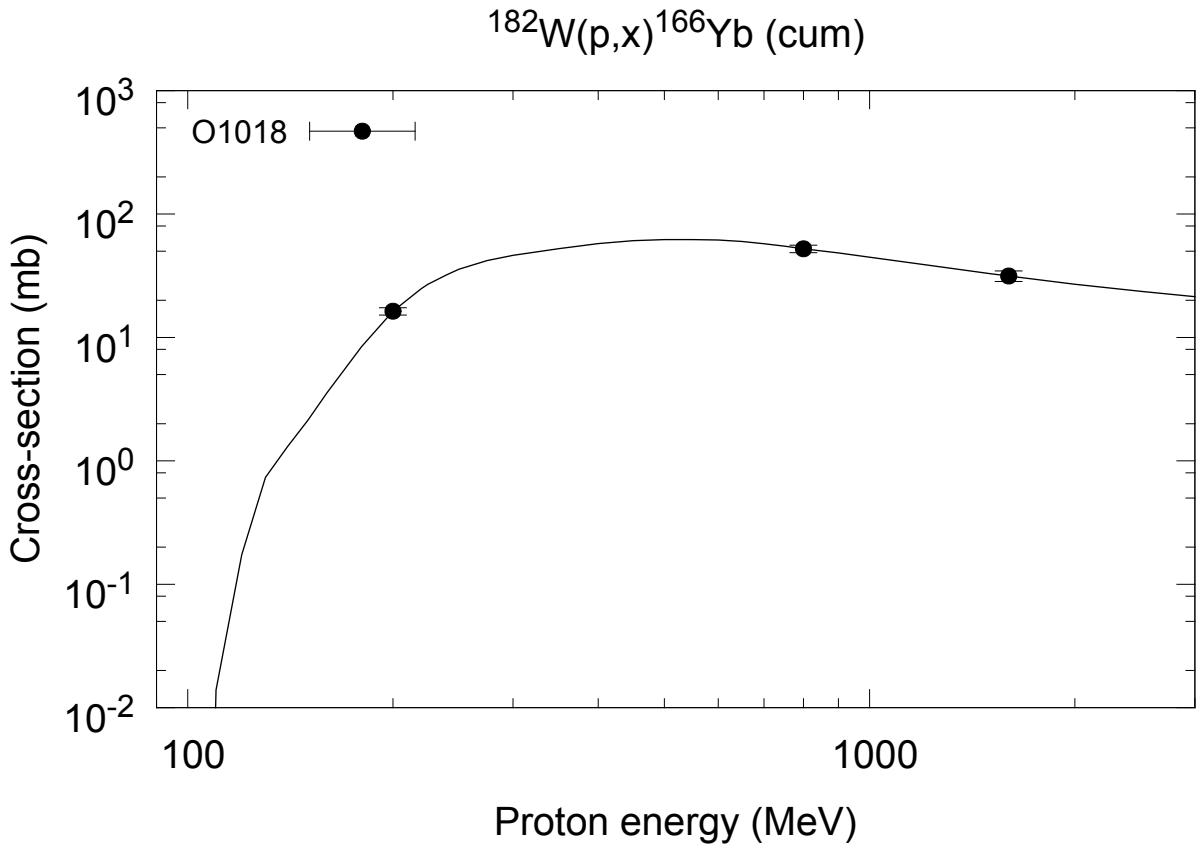
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{166}Yb (cum)
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Cross-section (mb)
10^3
10^2
10^1
10^0
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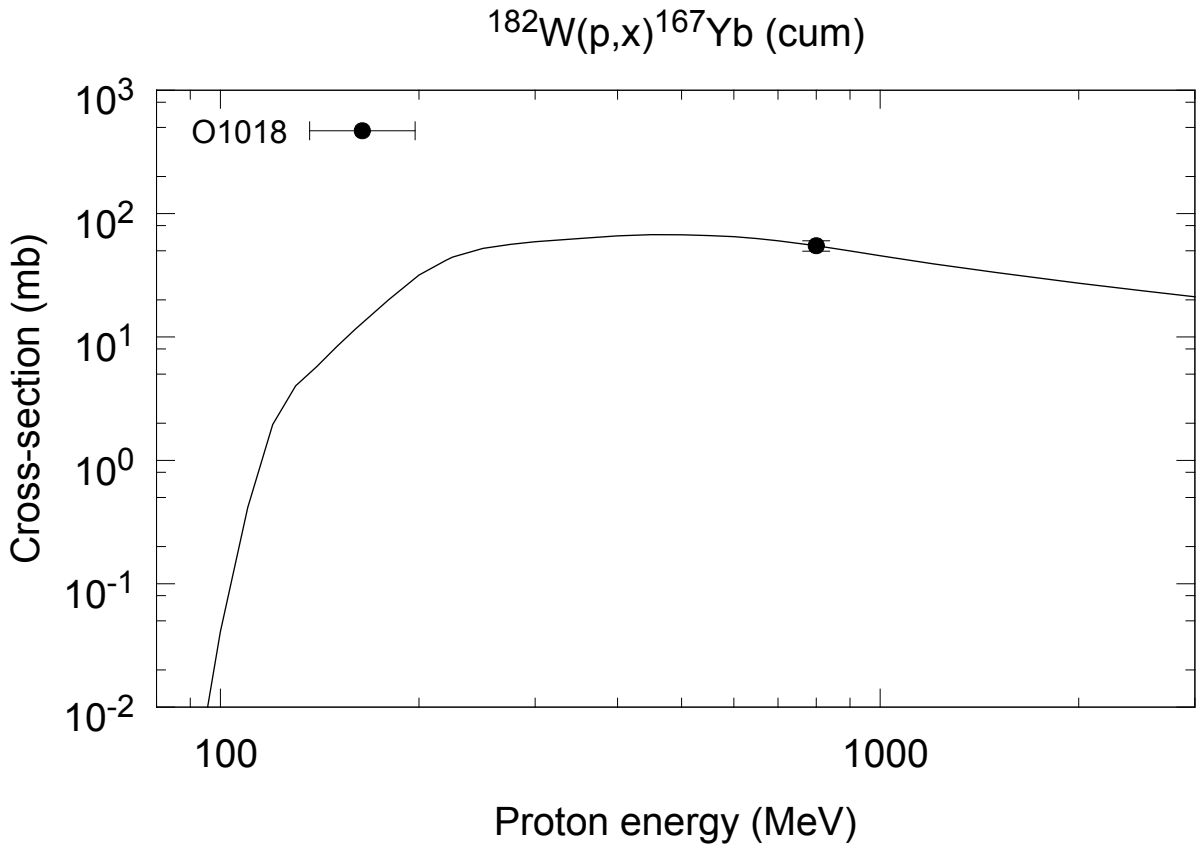
10^{-2}
100
1000
Proton energy (MeV)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Cross-section (mb)
10^3
10^2
10^1
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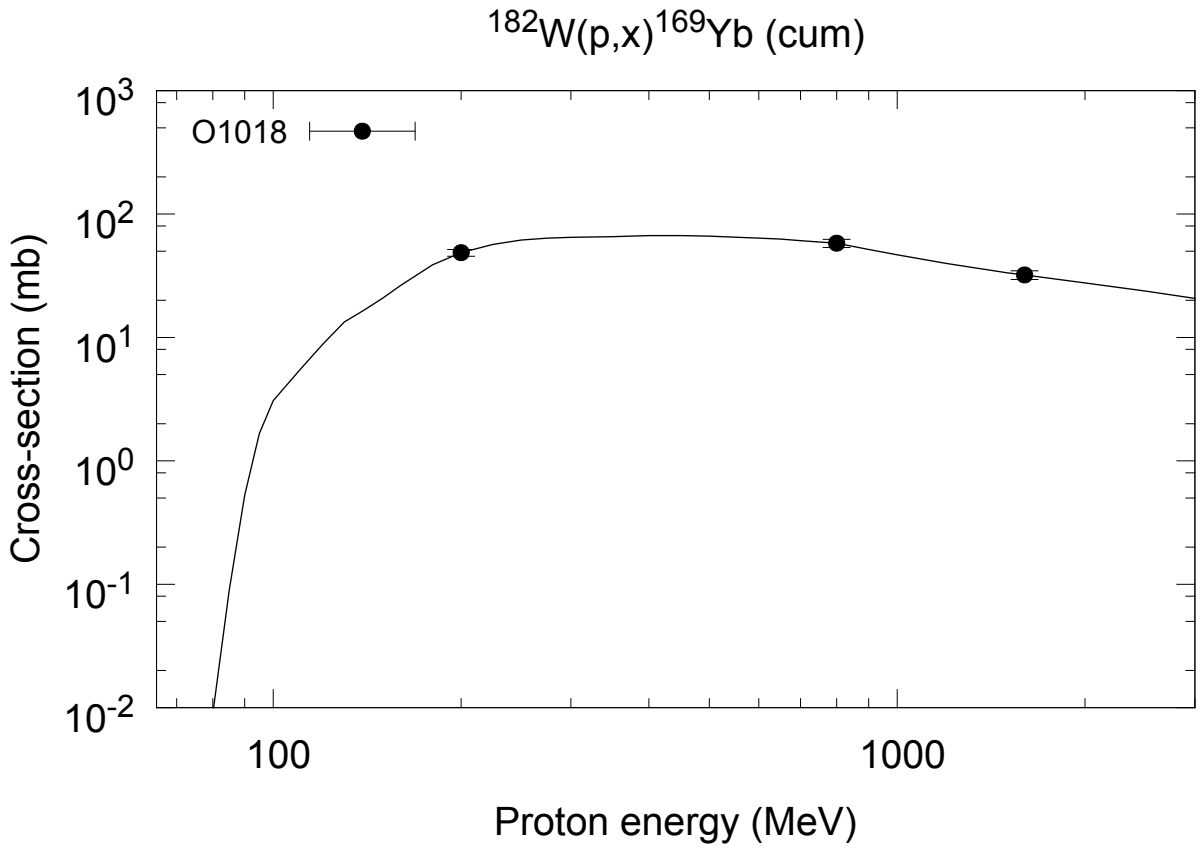
10^{-2}
100
1000
Proton energy (MeV)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Cross-section (mb)
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10^1
10^0
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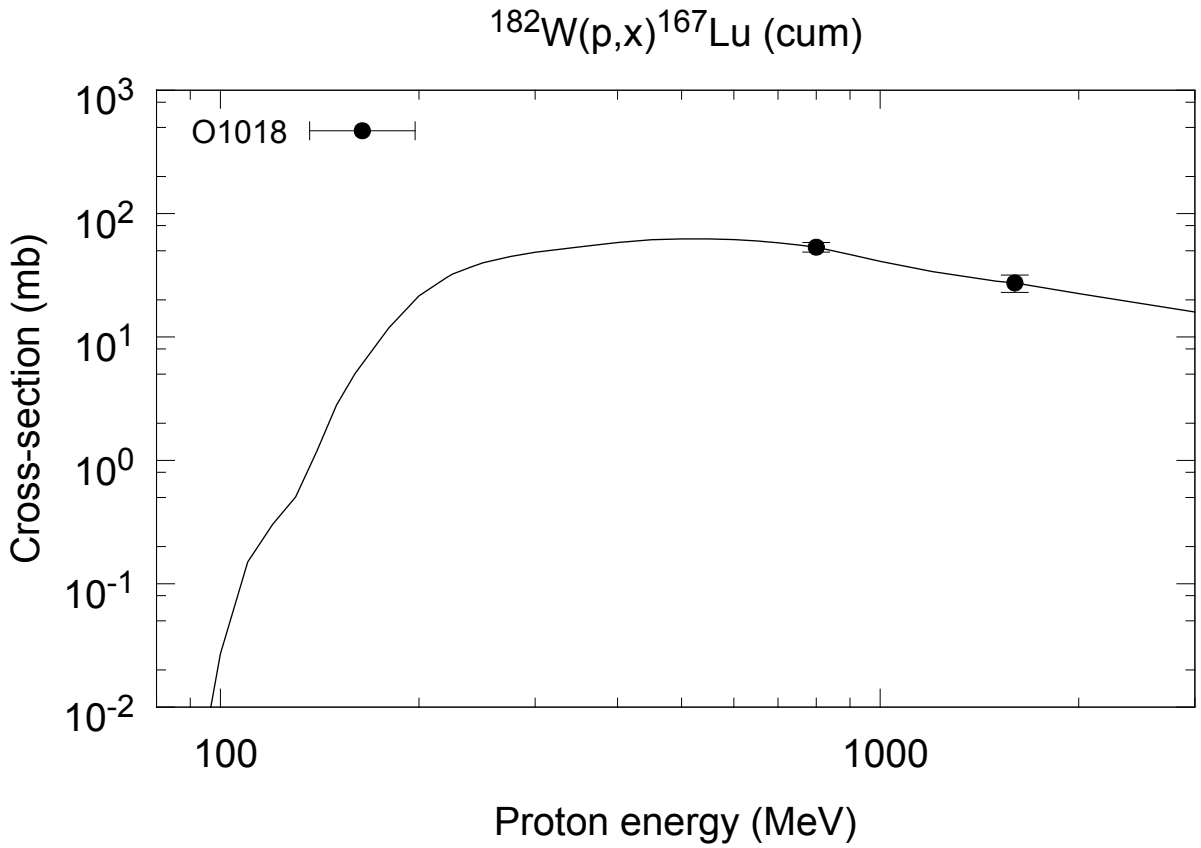
10^{-2}
100
1000
Proton energy (MeV)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10^1
10^0
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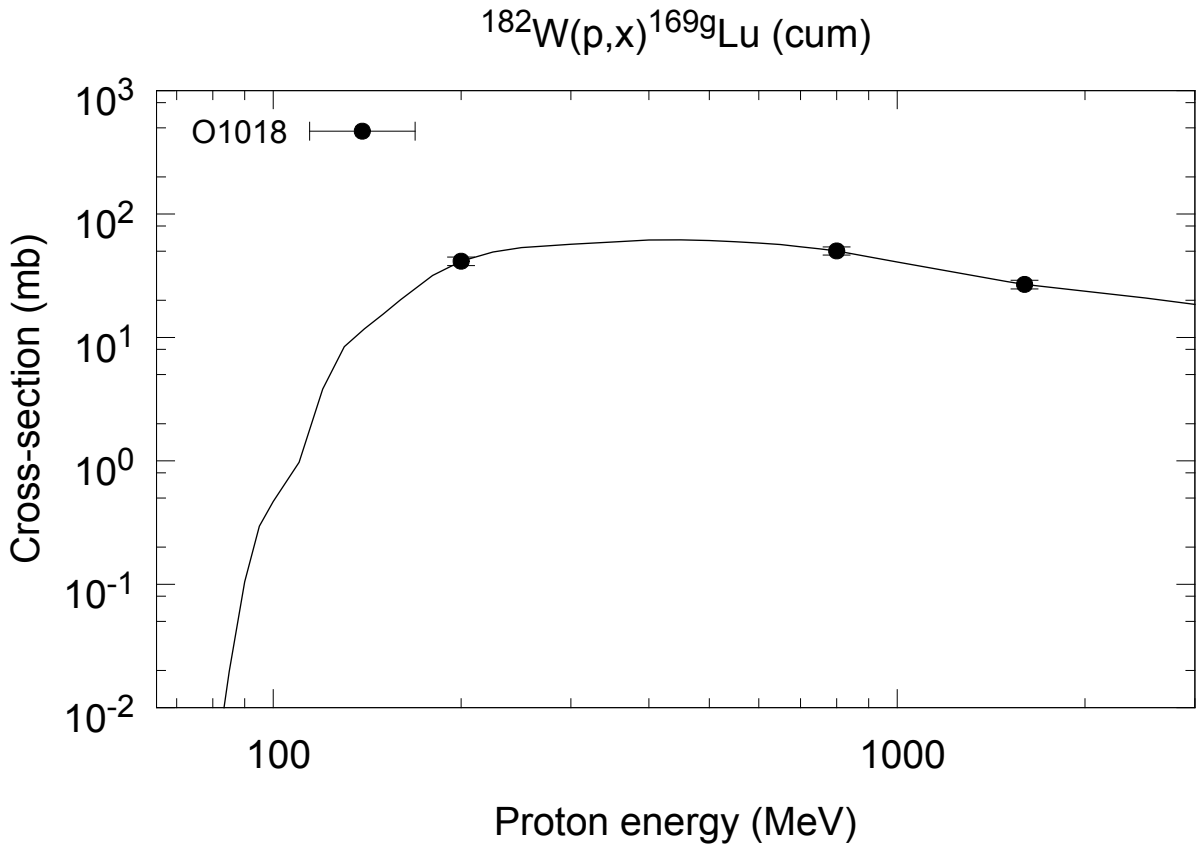
Proton energy (MeV)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Cross-section (mb)
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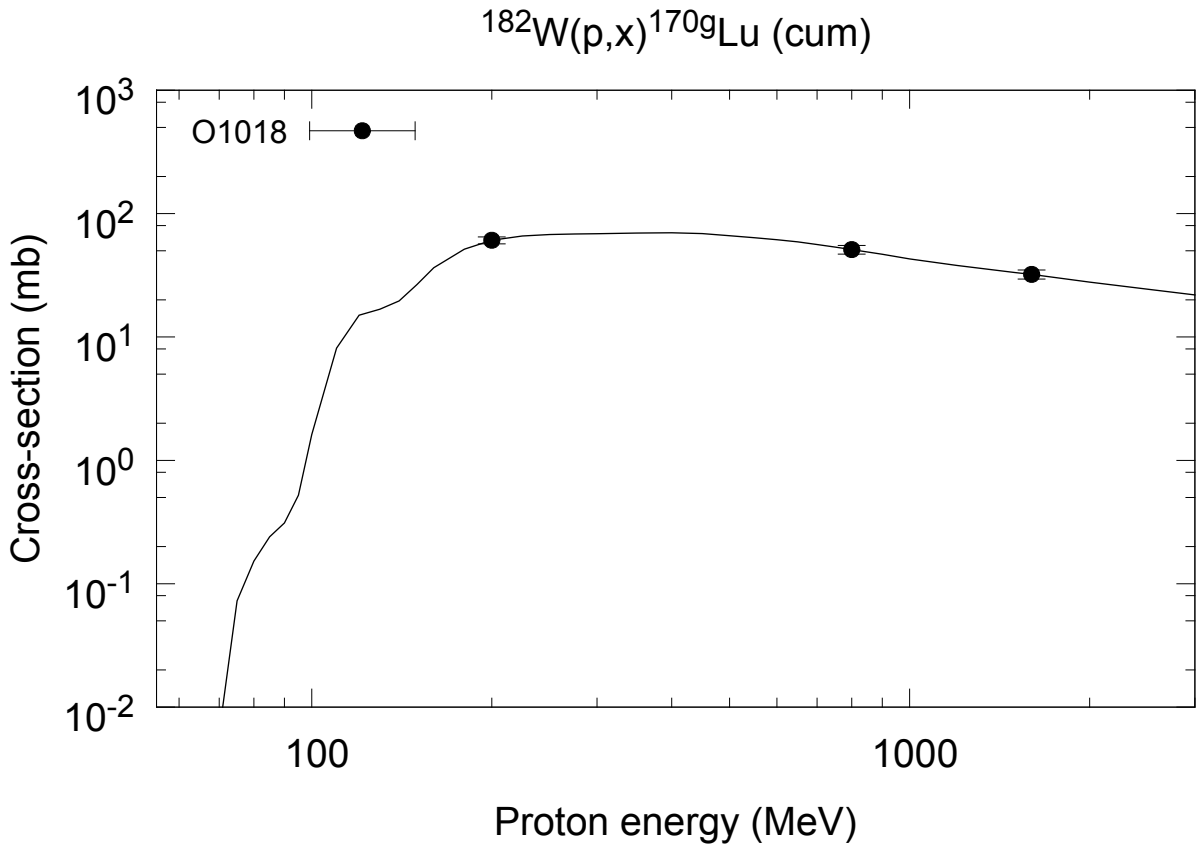
10^{-2}
100
1000
Proton energy (MeV)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Cross-section (mb)
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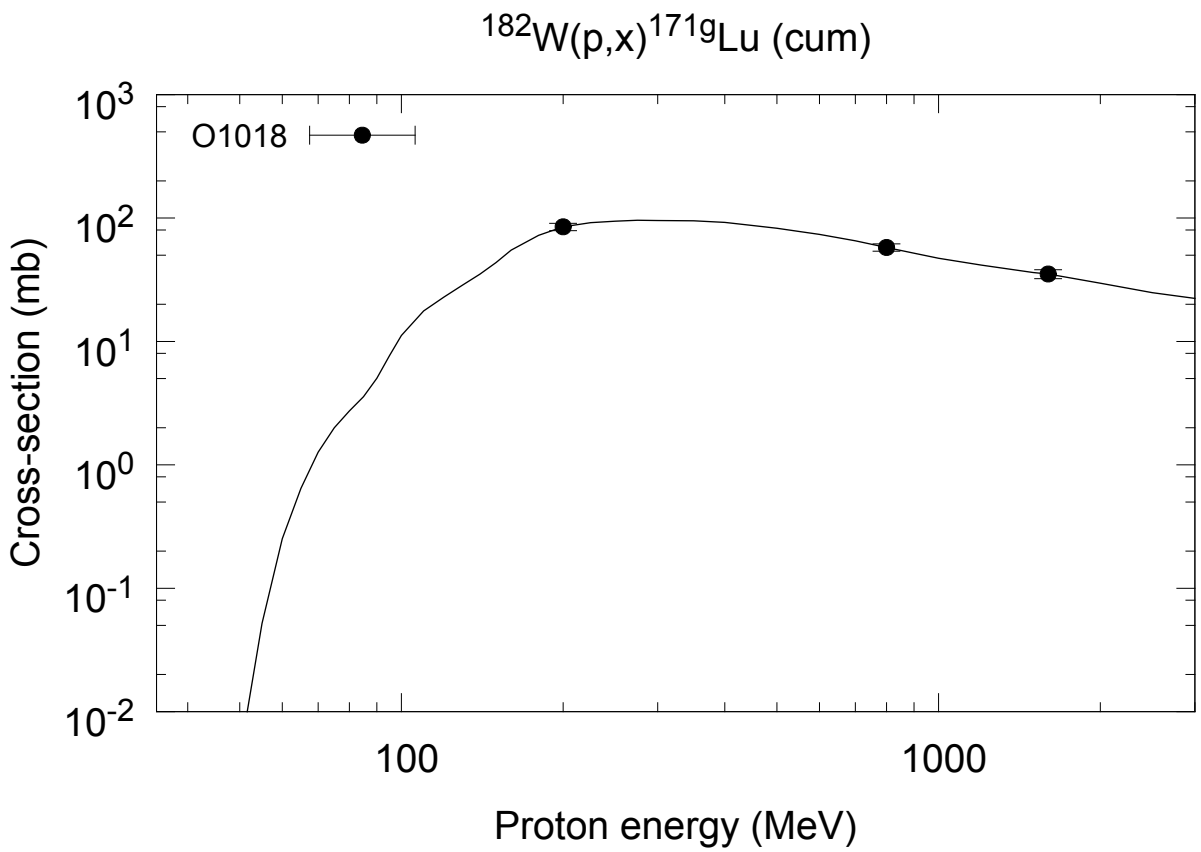
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)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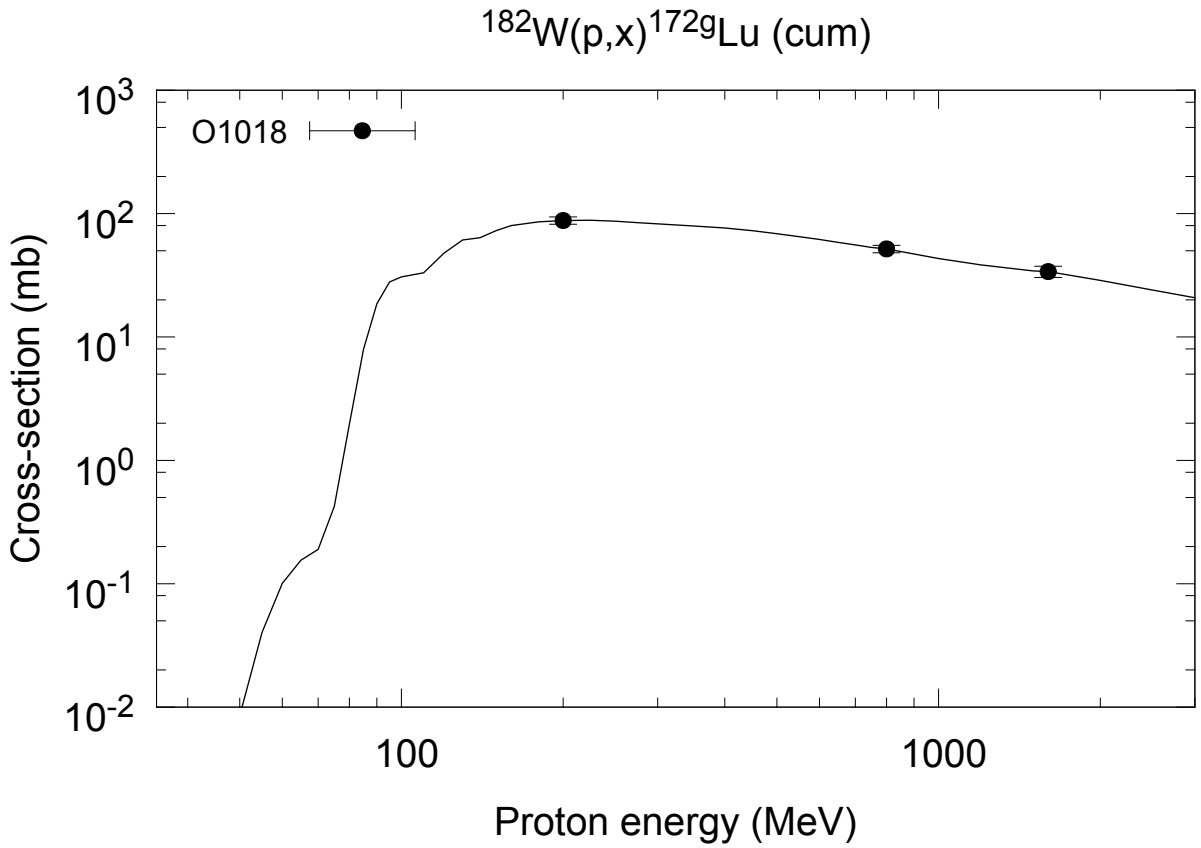
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)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Cross-section (mb)
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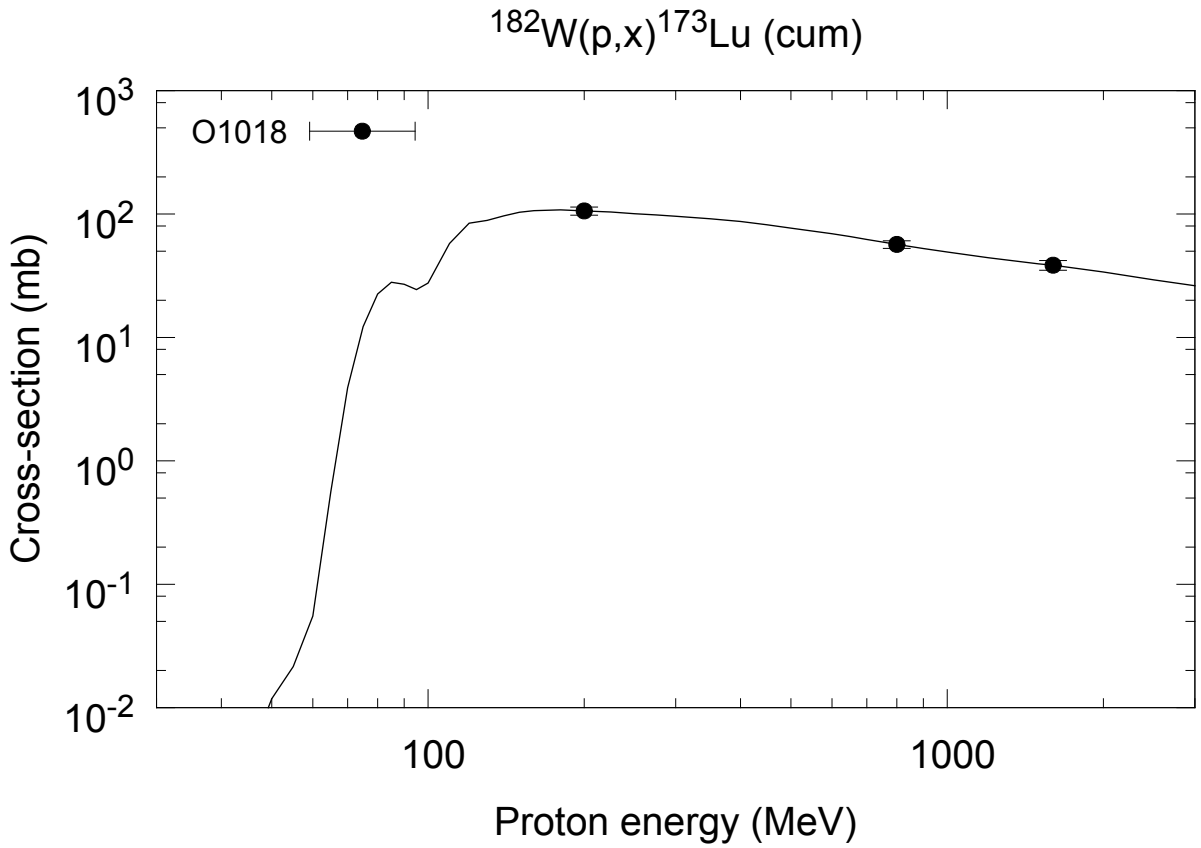
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)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Cross-section (mb)
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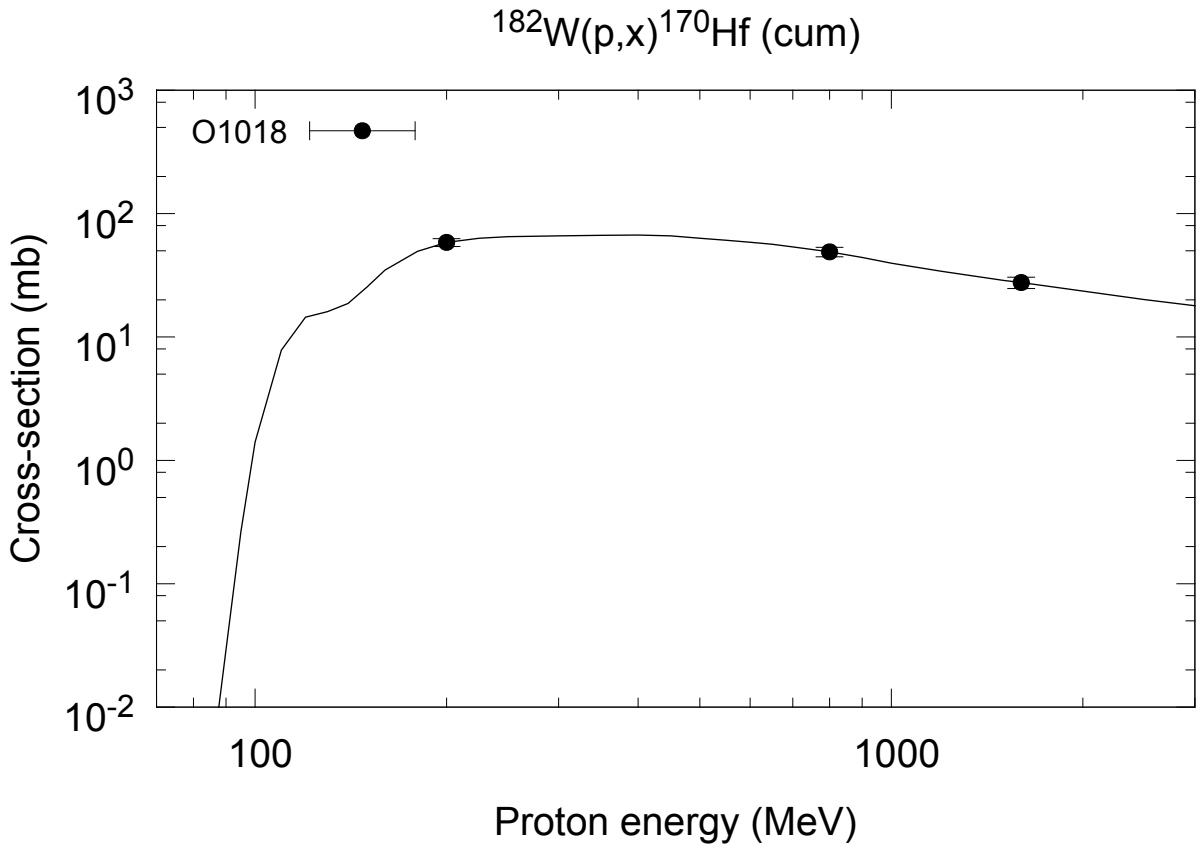
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{170}Hf (cum)
O1018
Cross-section (mb)
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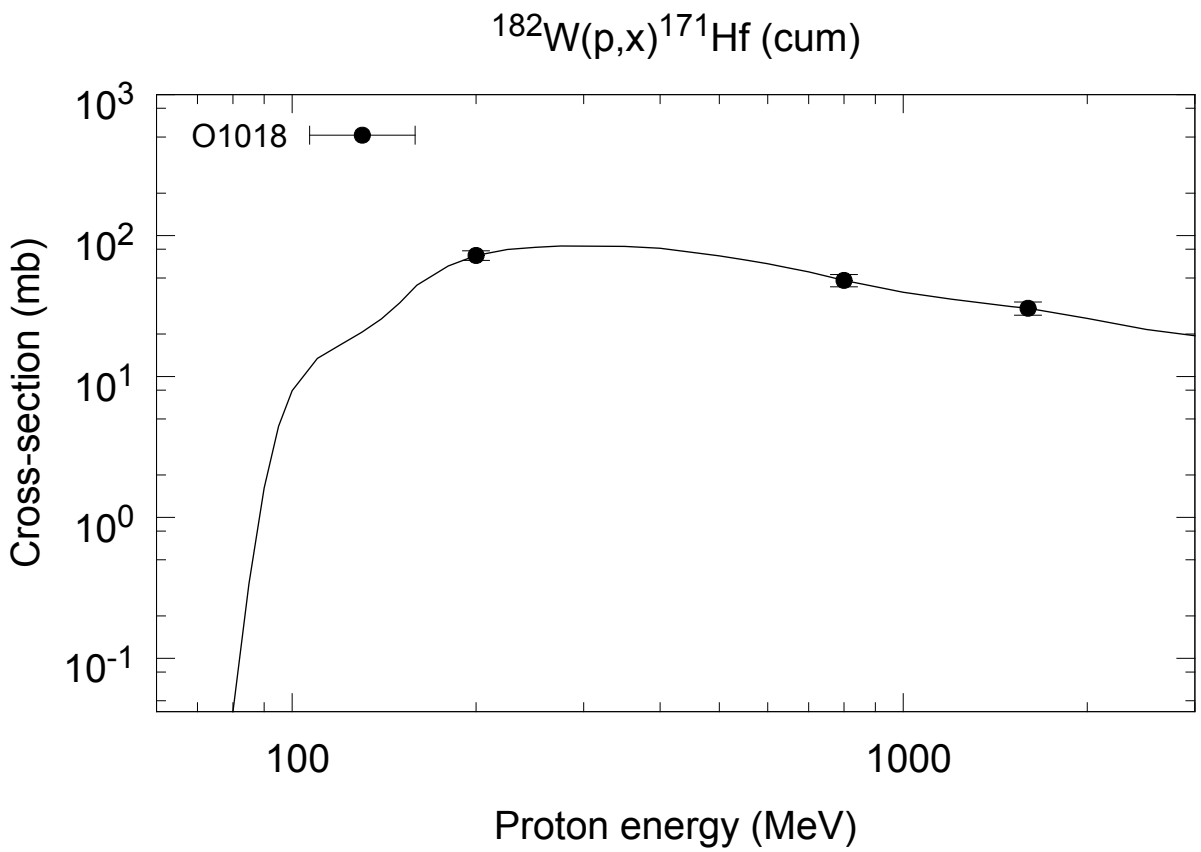
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{171}Hf (cum)
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Cross-section (mb)
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10^2
10^1
10^0
10^{-1}
100
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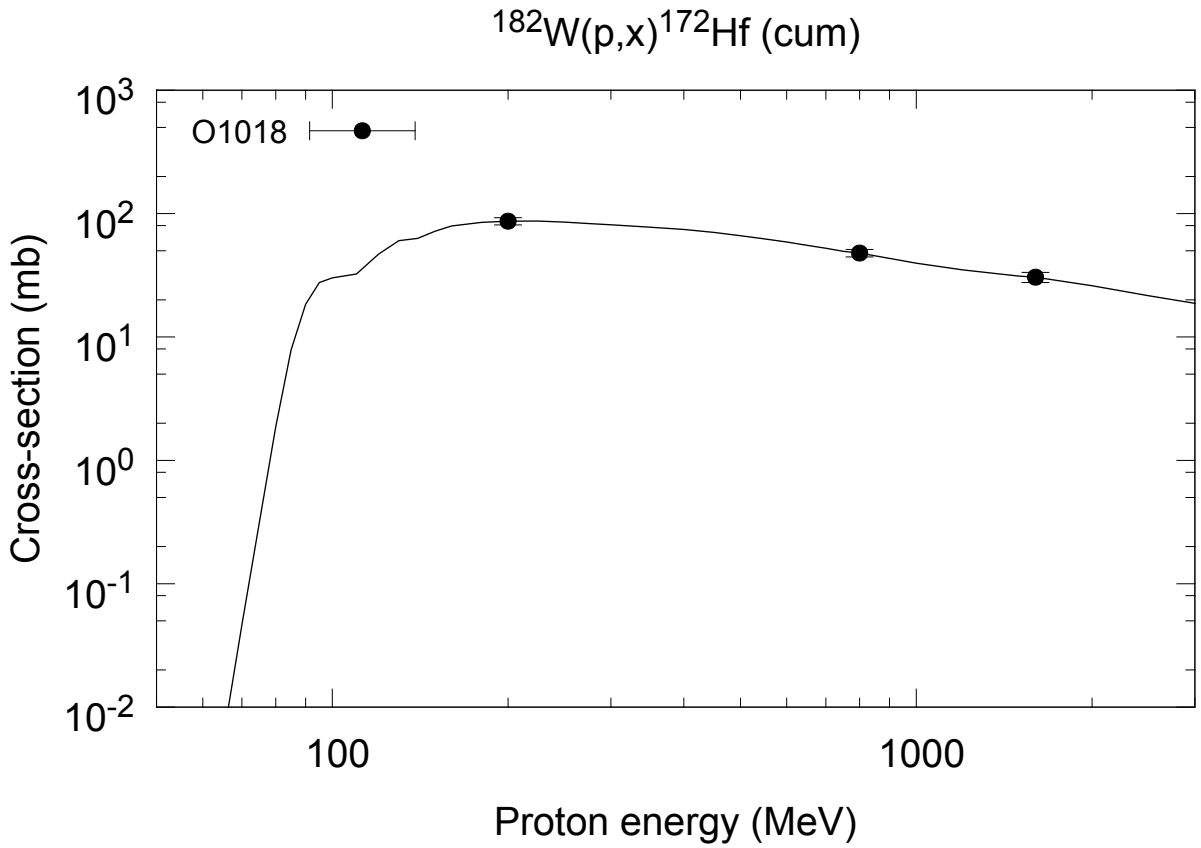
Proton energy (MeV)


^{182}W(p,x)^{172}Hf (cum)
O1018
Cross-section (mb)
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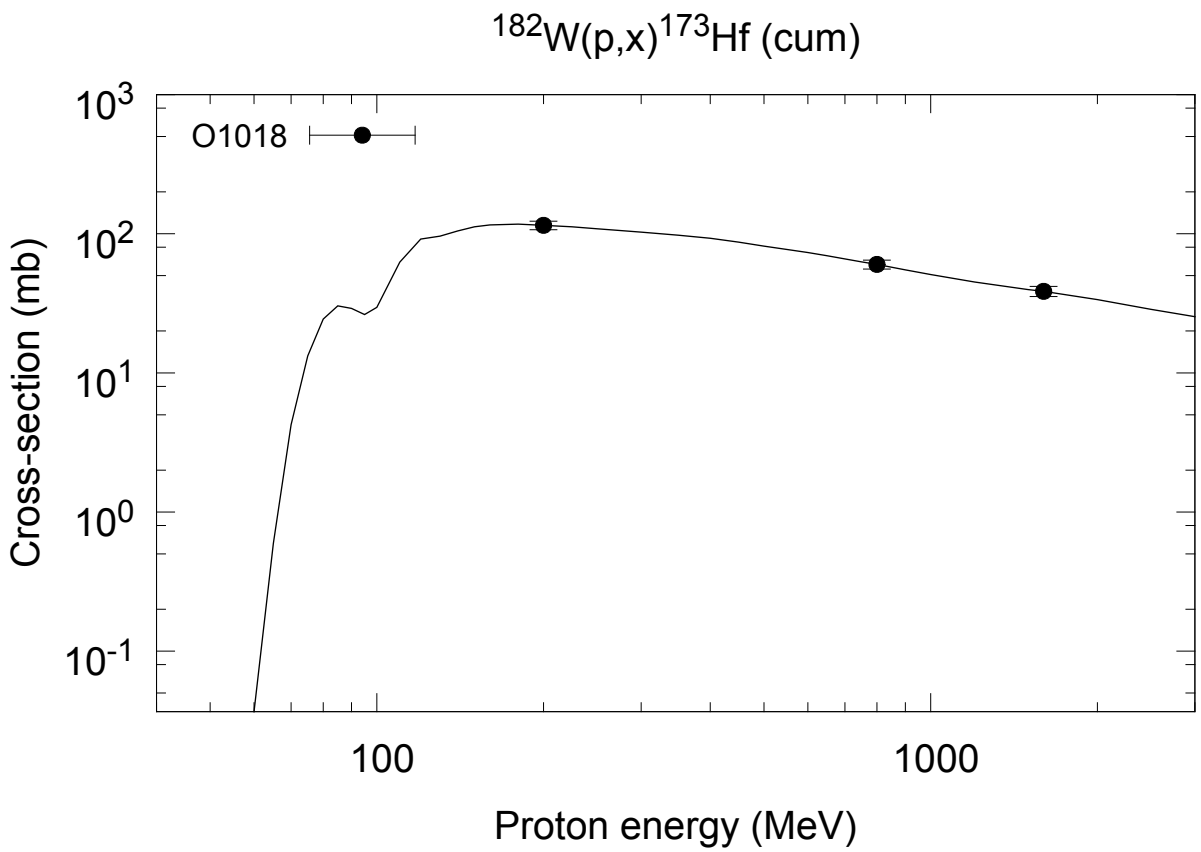
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{173}Hf (cum)
O1018
Cross-section (mb)
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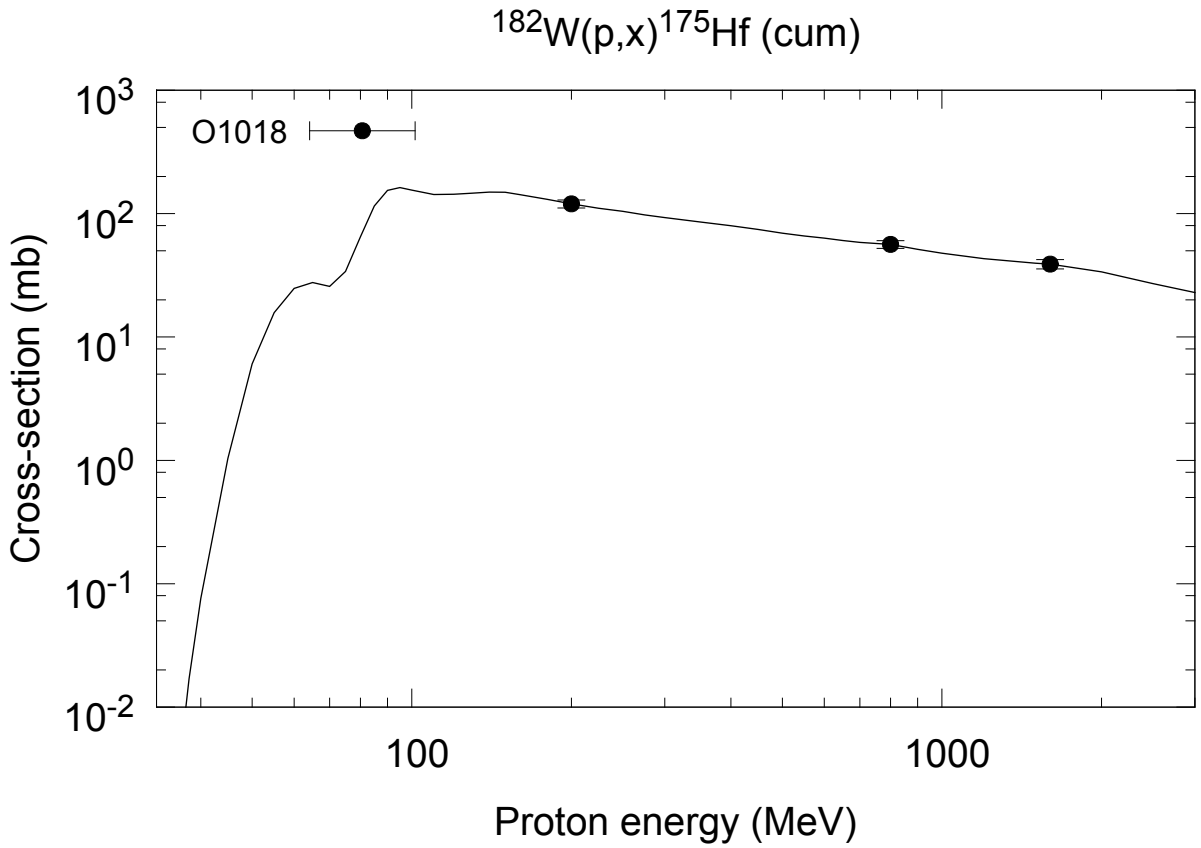
10^2
10^1
10^0
10^{-1}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{175}Hf (cum)
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Cross-section (mb)
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10^1
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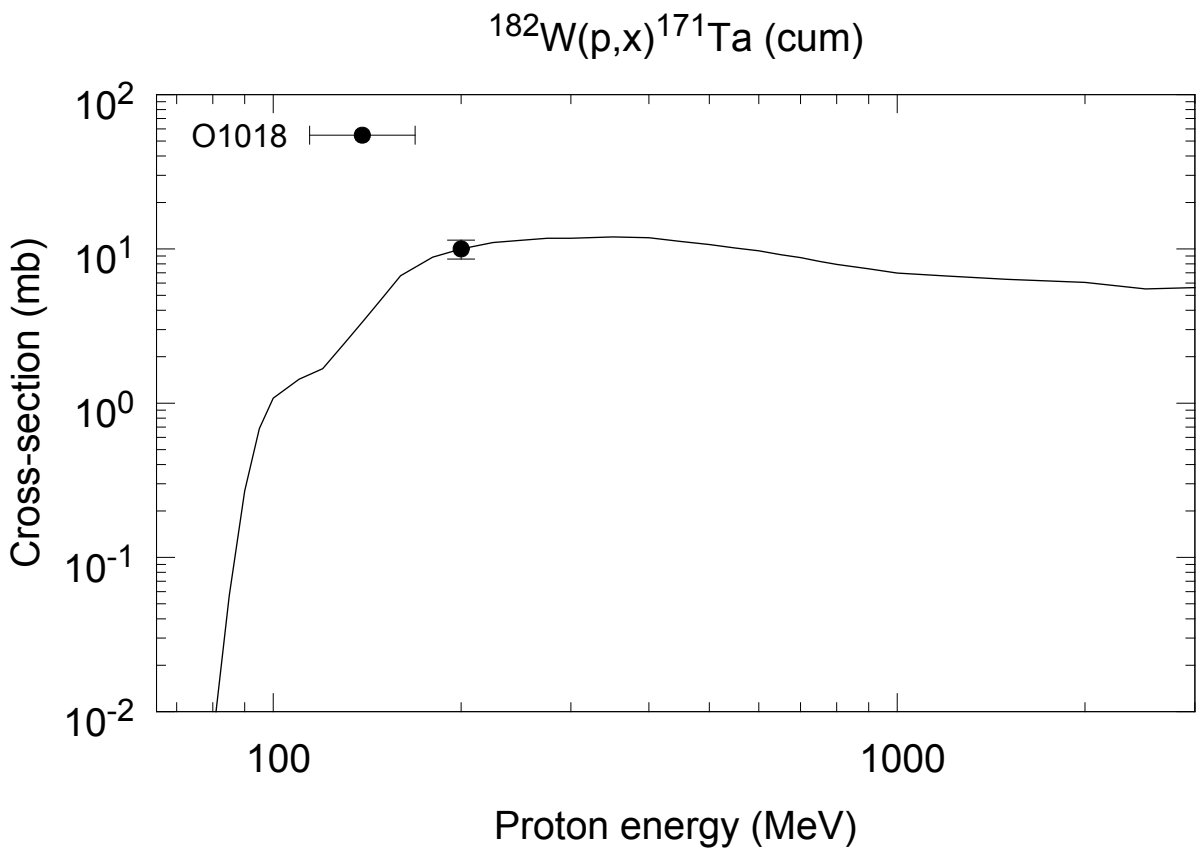
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{171}Ta (cum)
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Cross-section (mb)
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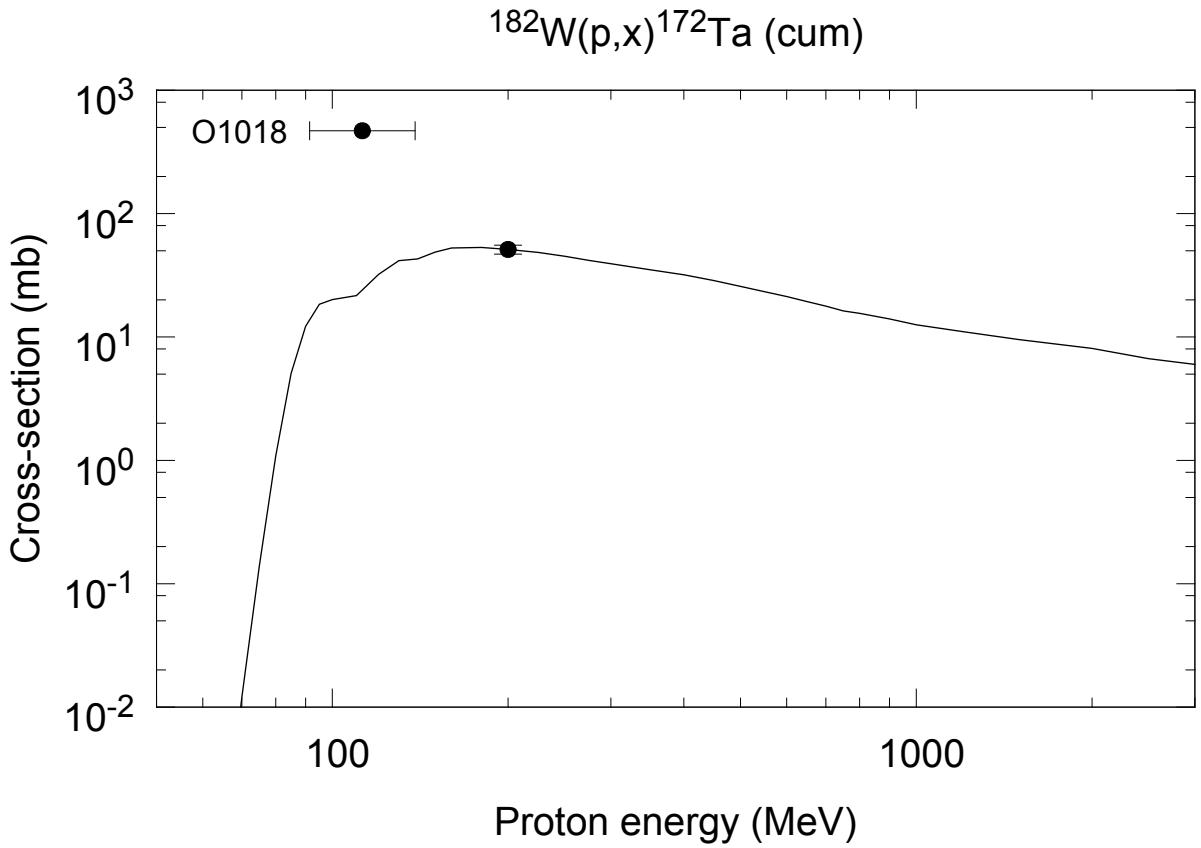
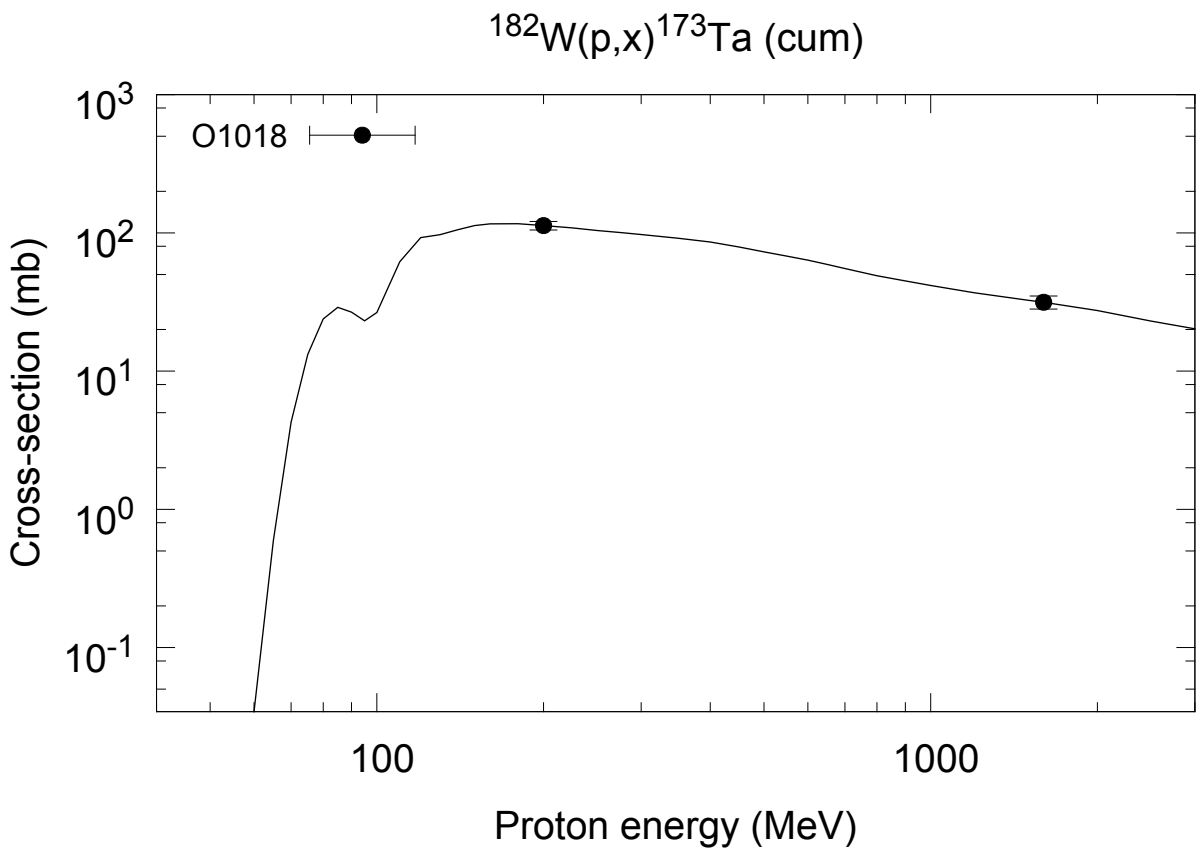
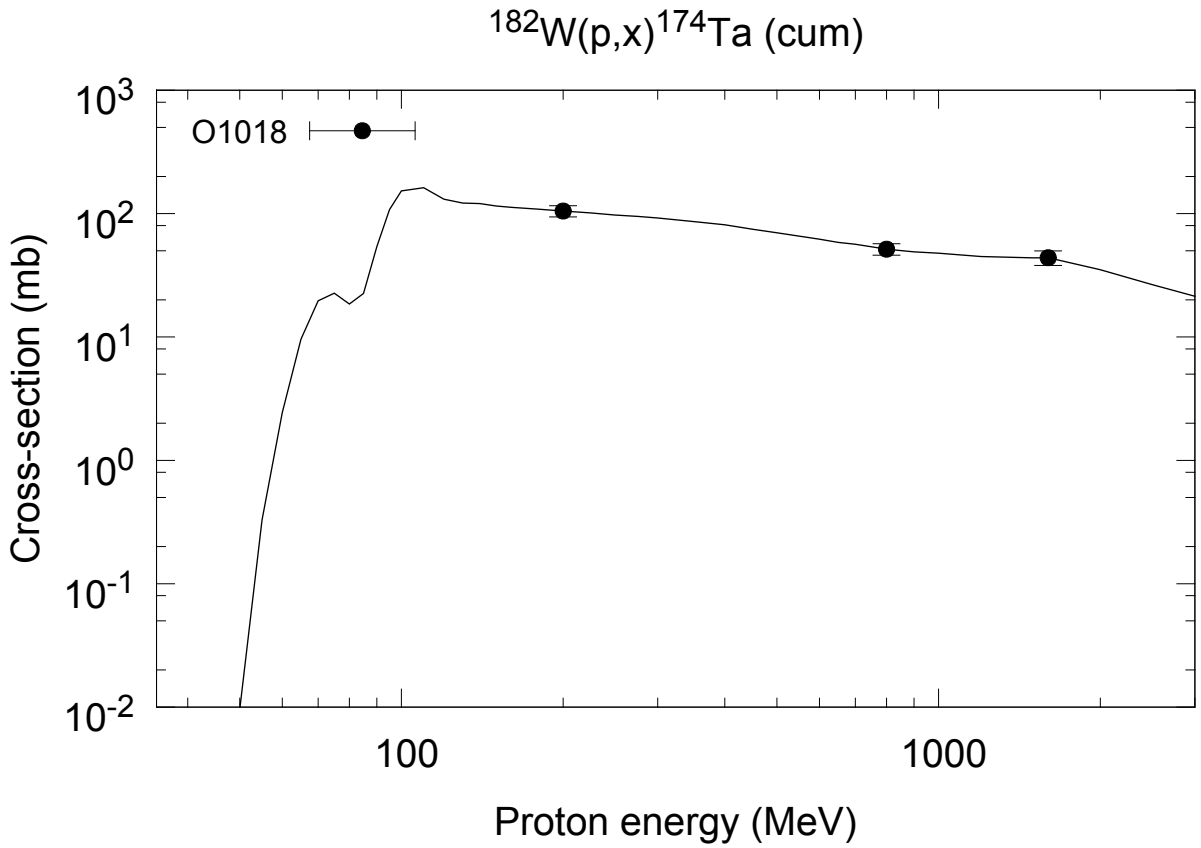
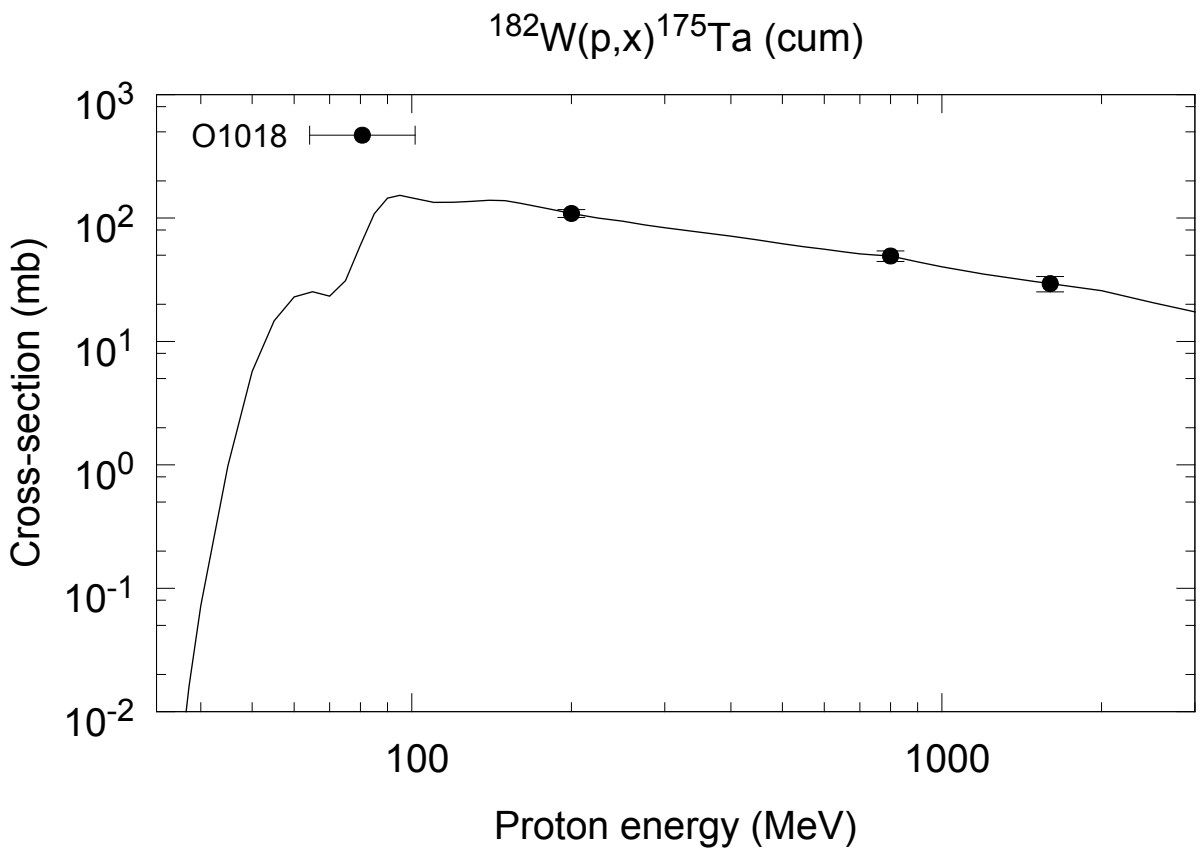
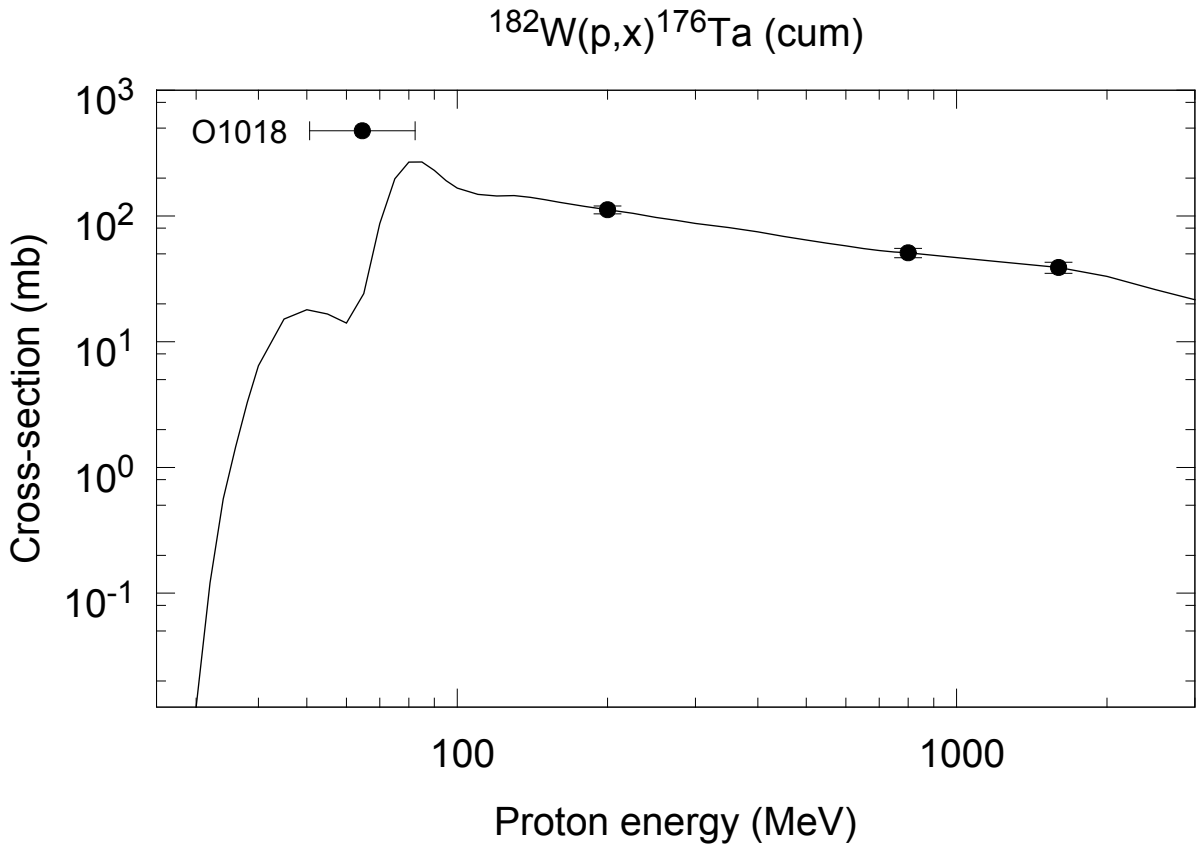
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

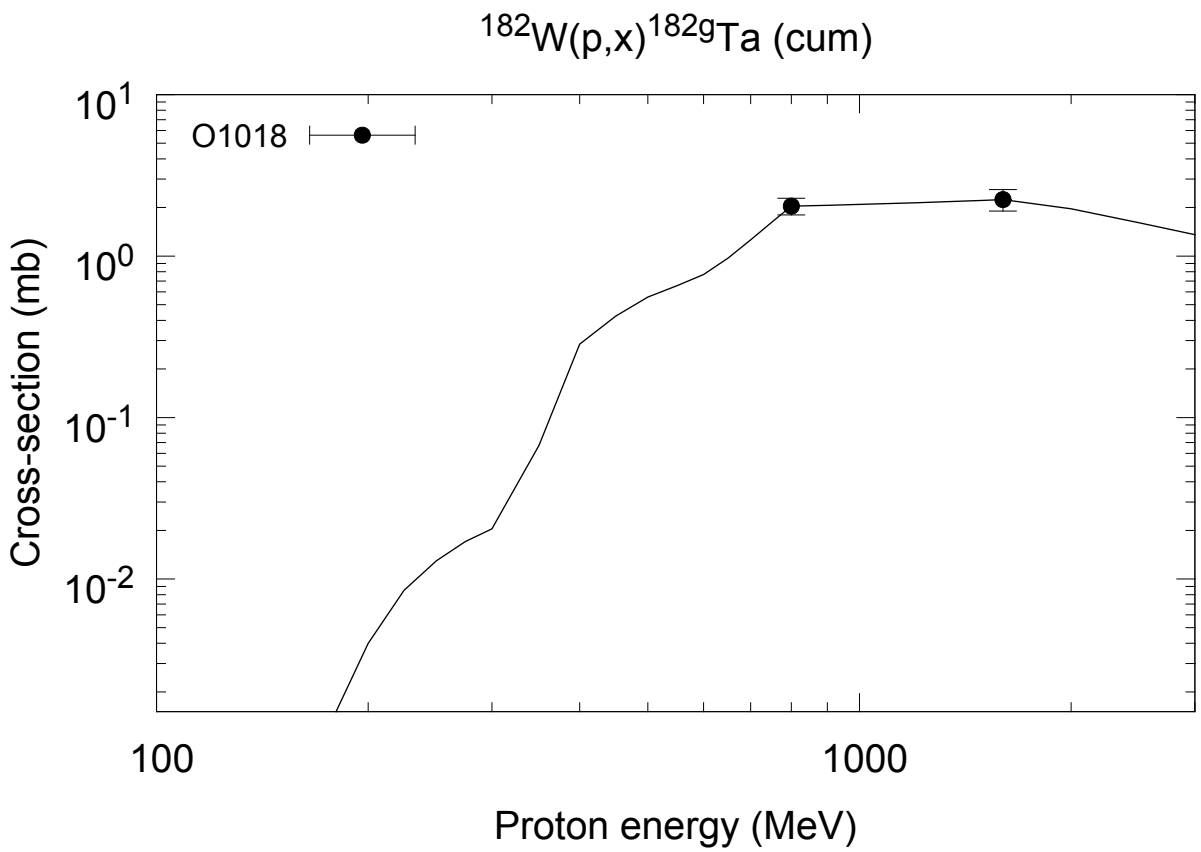

^{182}W(p,x)^{172}Ta (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

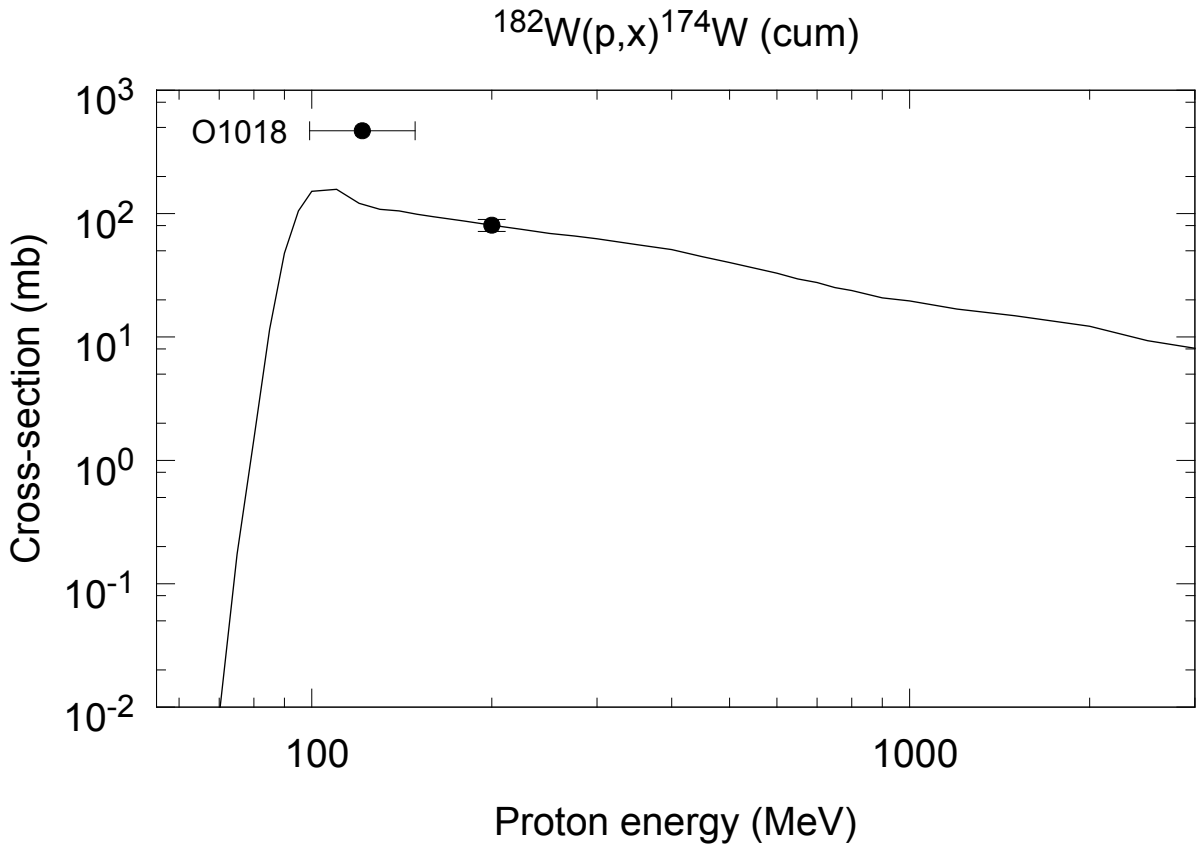

^{182}W(p,x)^{173}Ta (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
100
1000
Proton energy (MeV)

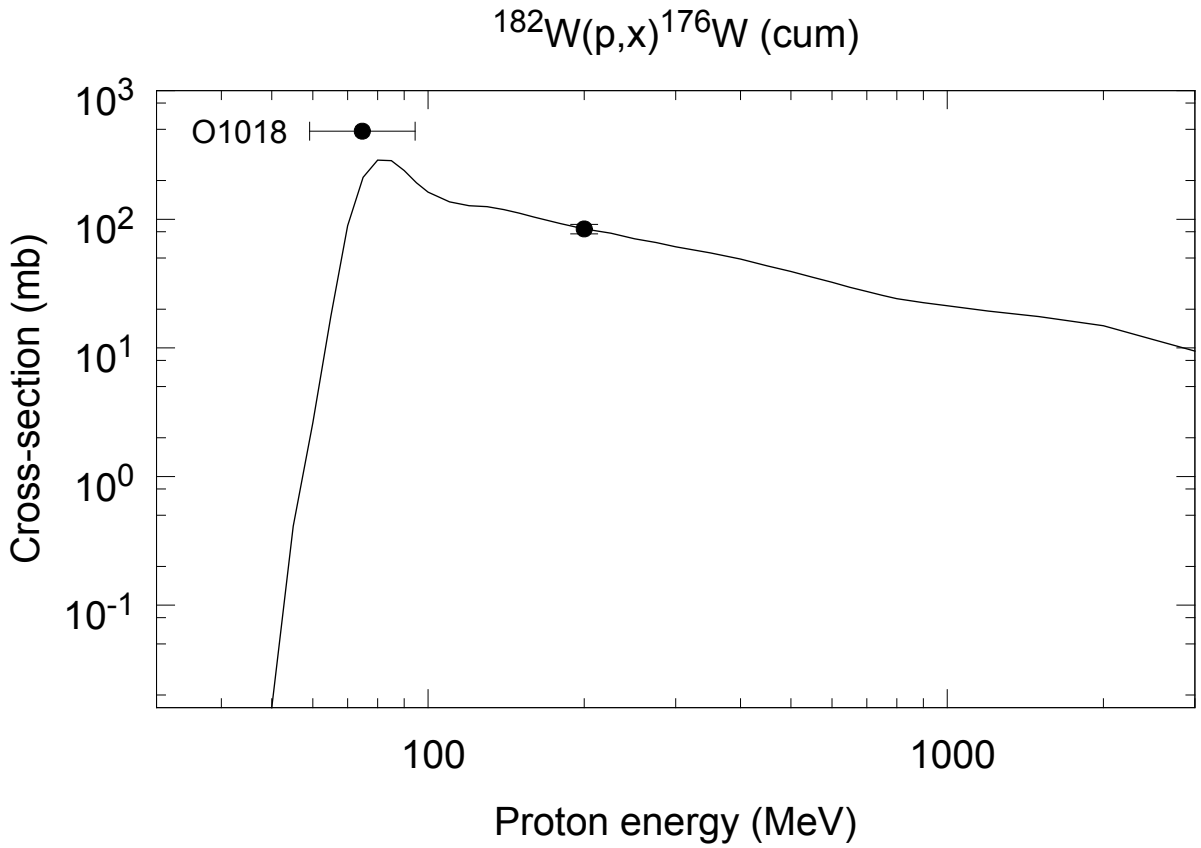

^{182}W(p,x)^{174}Ta (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

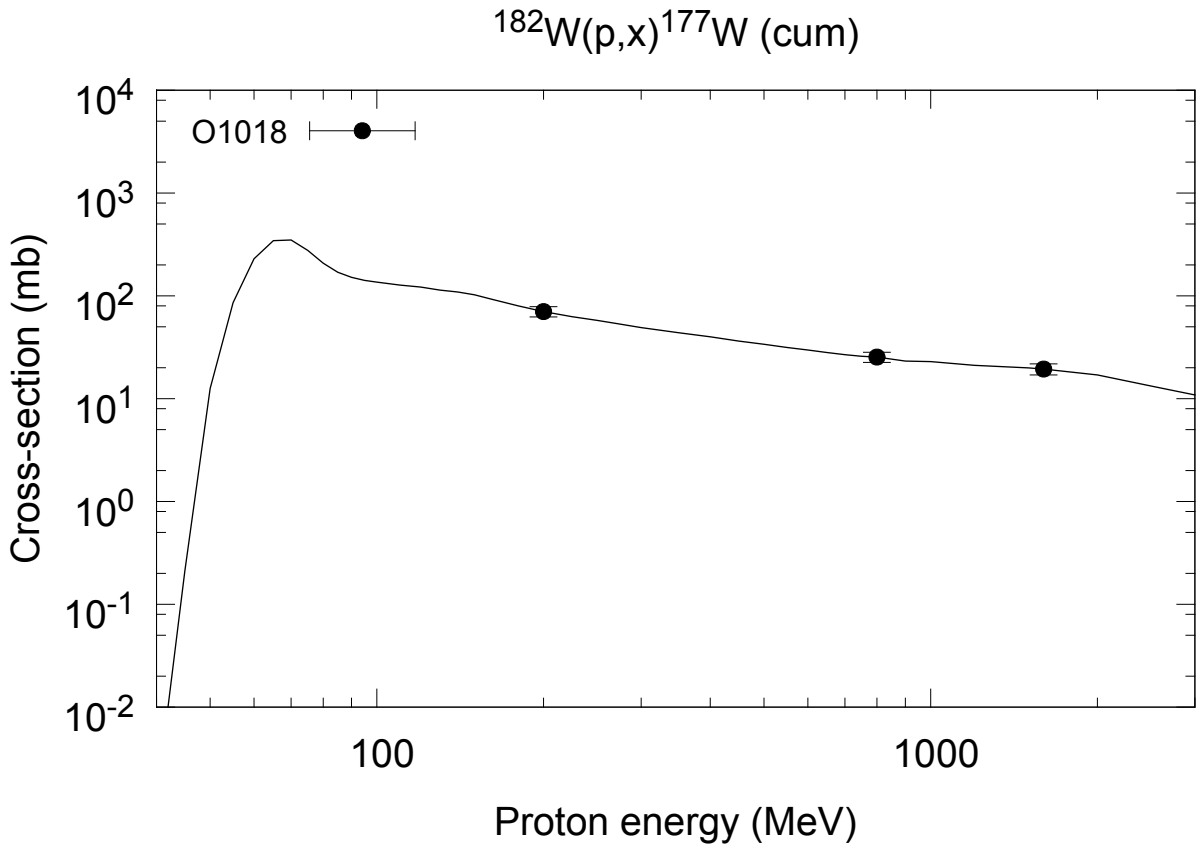

^{182}W(p,x)^{175}Ta (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)

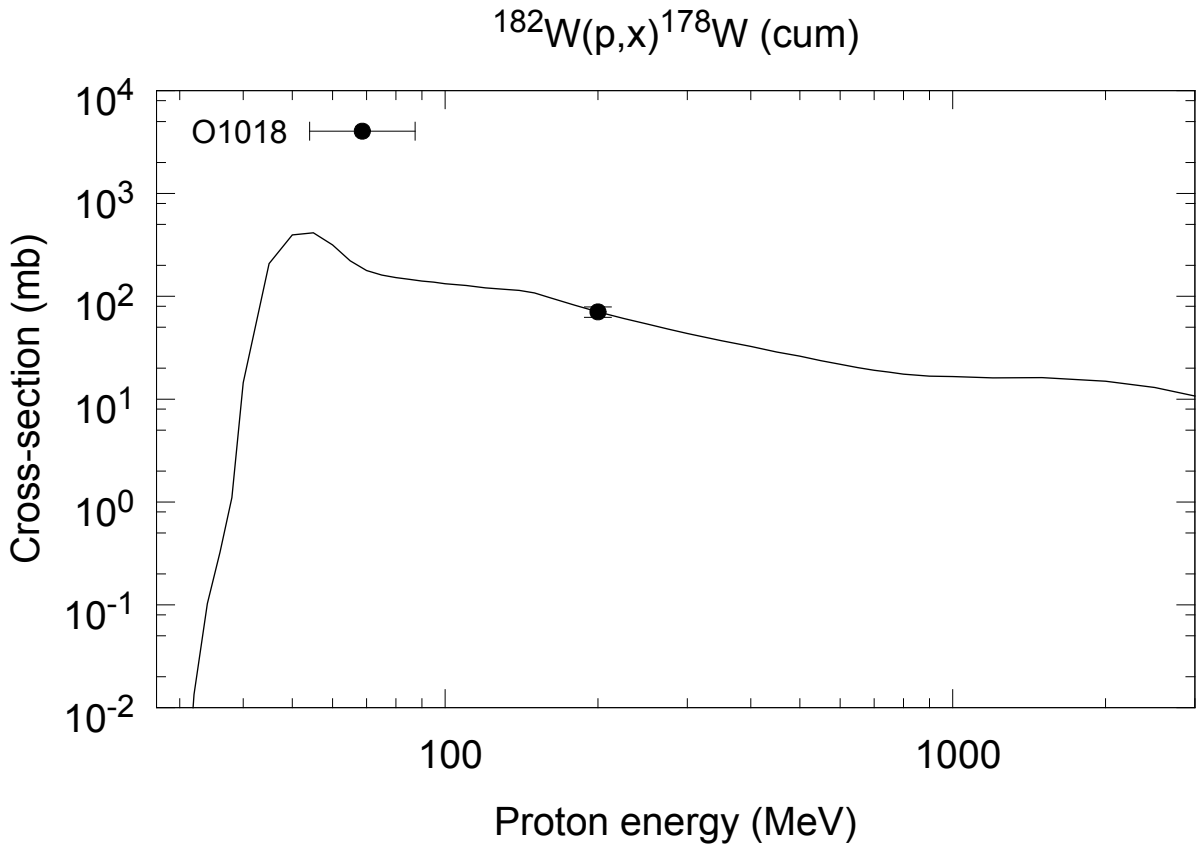

^{182}W(p,x)^{176}Ta (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{182g}Ta (cum)
O1018
Cross-section (mb)
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{174}W (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{176}W (cum)
O1018
Cross-section (mb)
10^3
10^2
10^1
10^0
10^{-1}
100
1000
Proton energy (MeV)


^{182}W(p,x)^{177}W (cum)
O1018
Cross-section (mb)
Proton energy (MeV)
10^4
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000


^{182}W(p,x)^{178}W (cum)
O1018
Cross-section (mb)
Proton energy (MeV)
10^4
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
100
1000