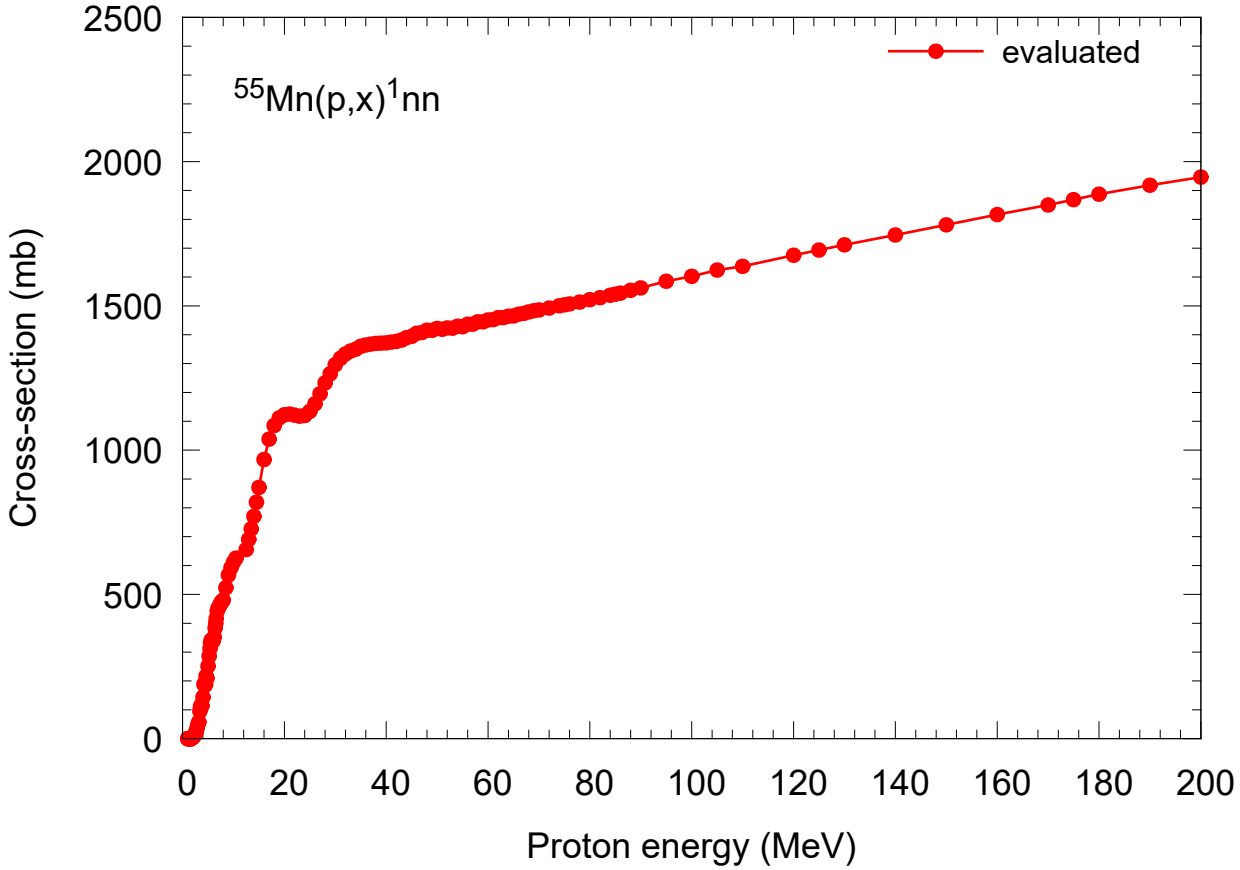
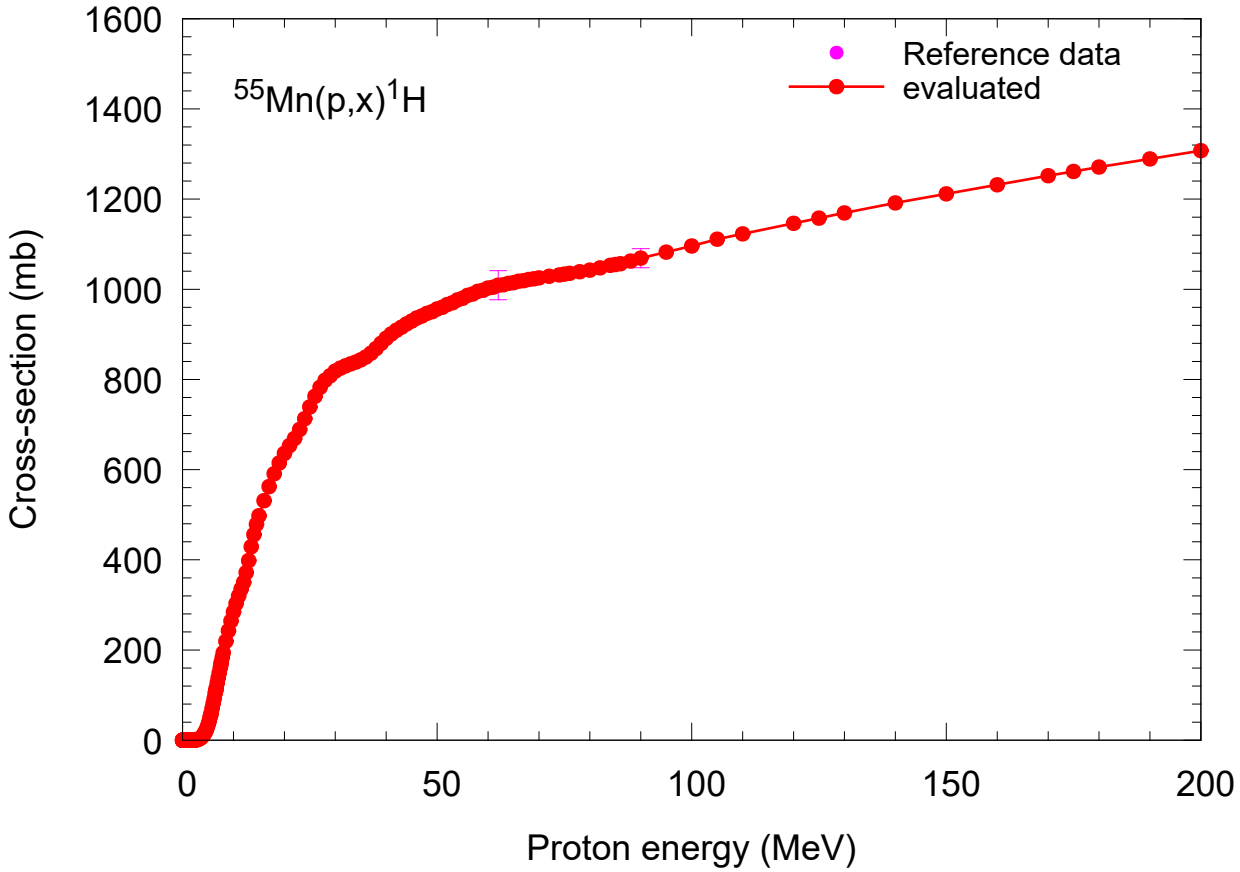
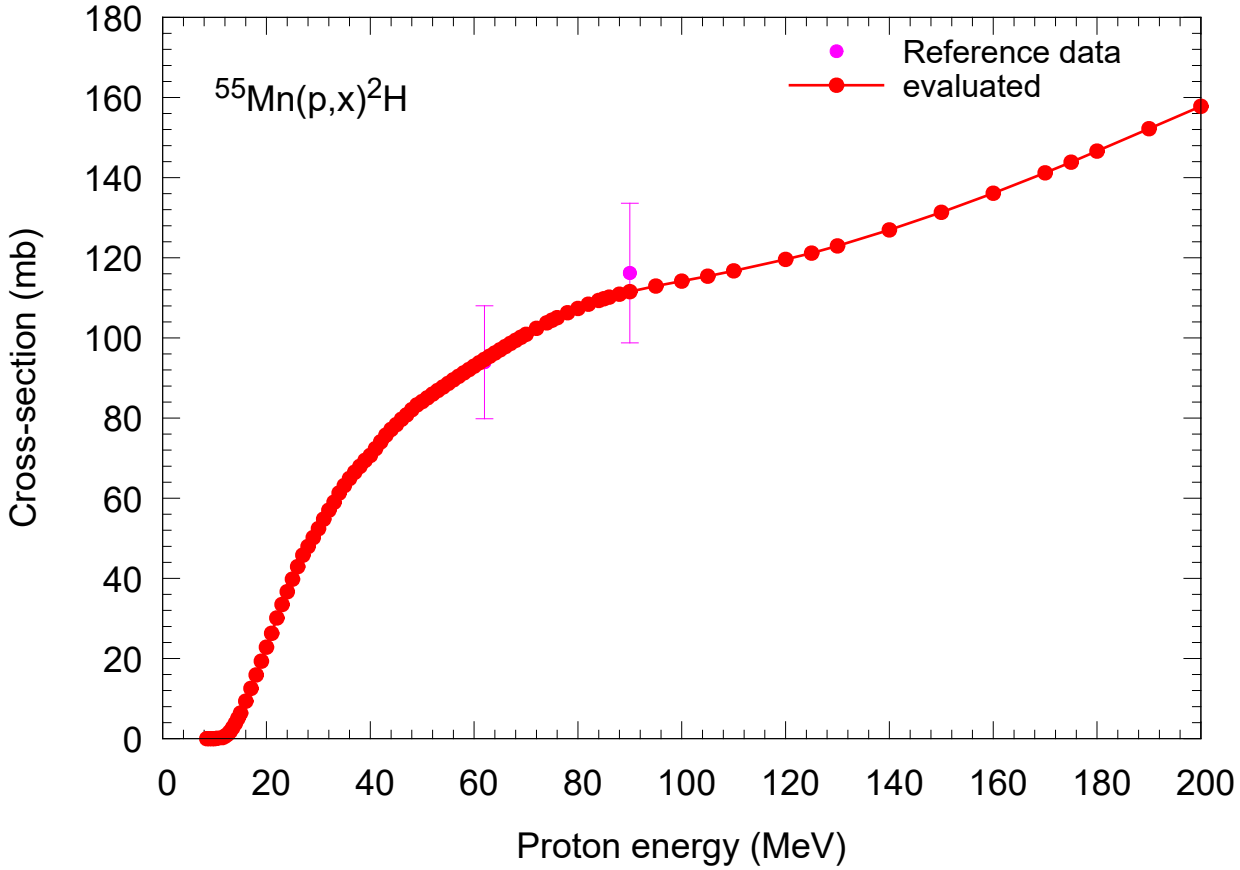
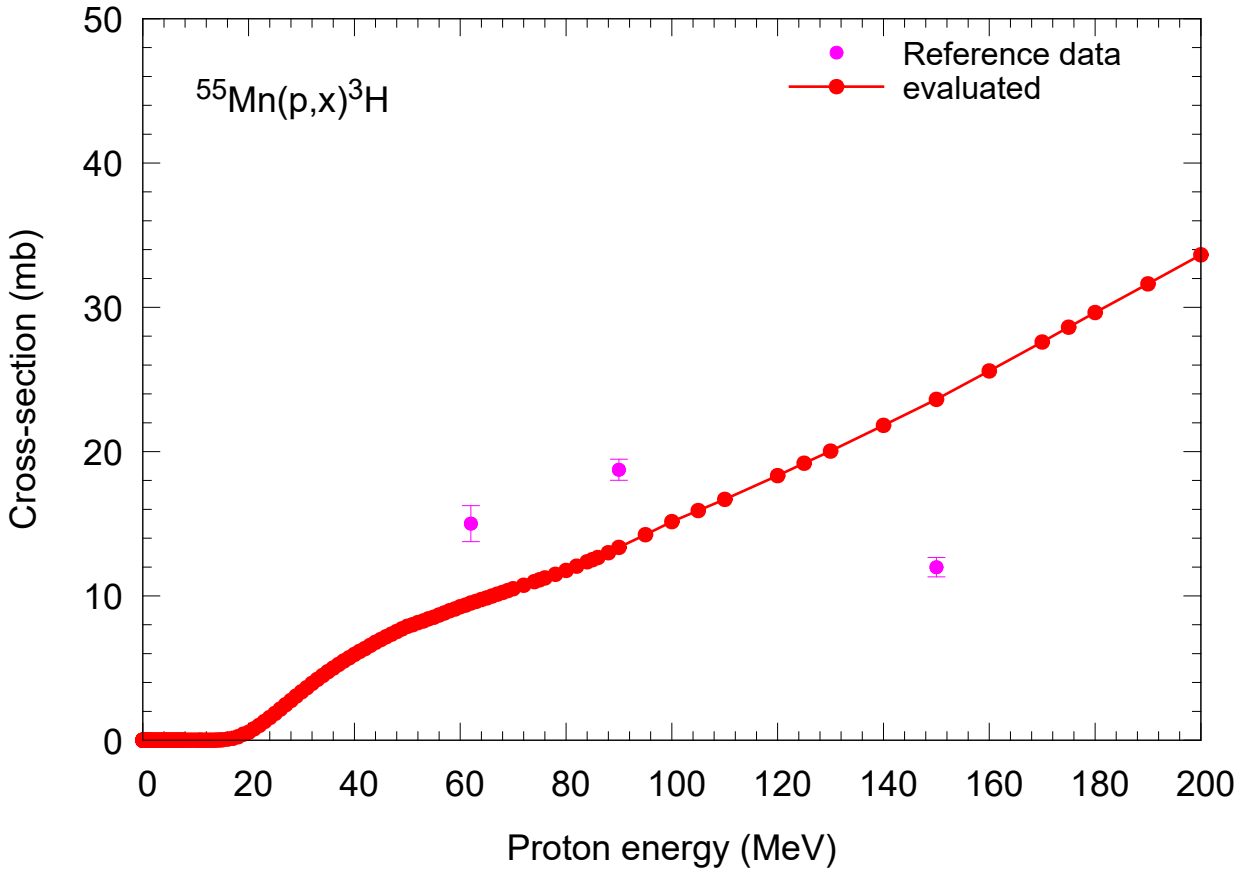
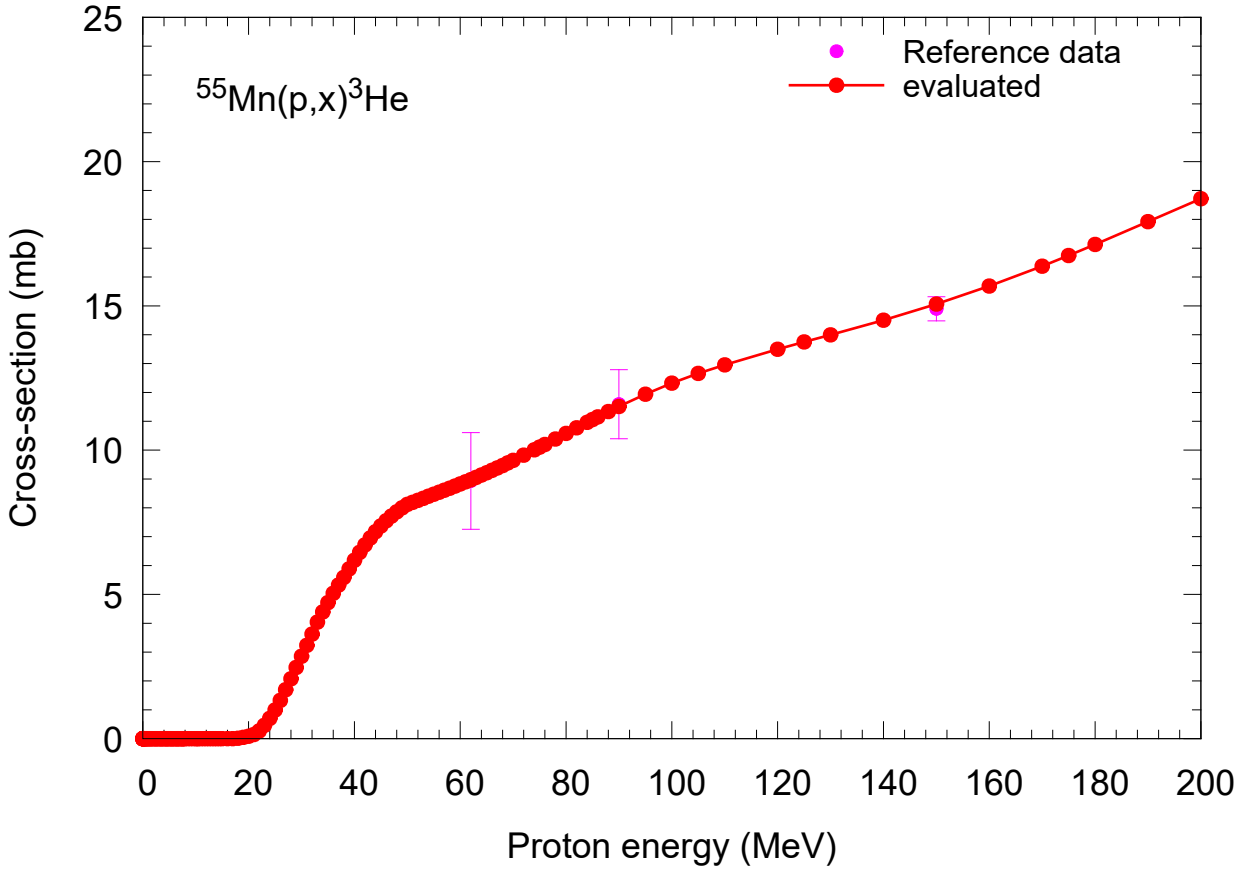
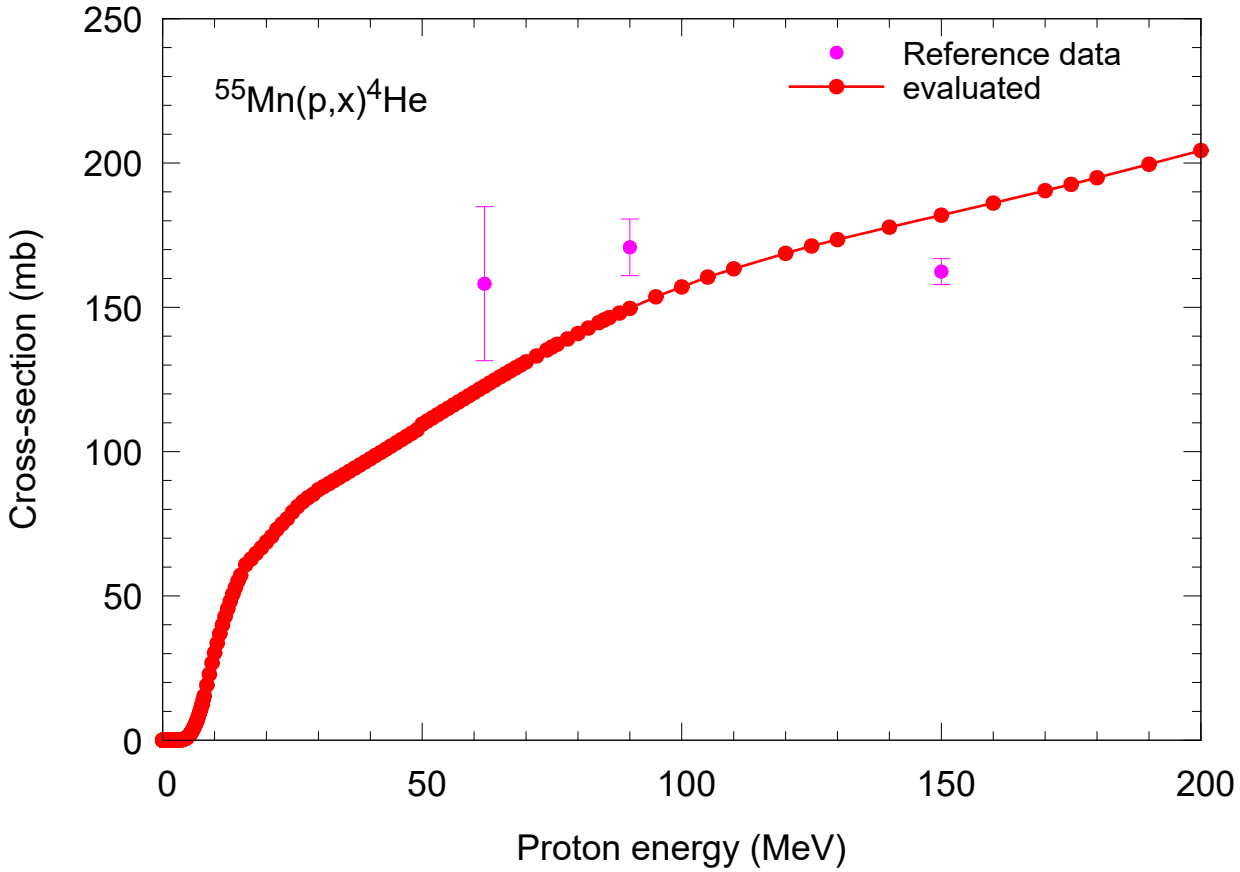

evaluated
55Mn(p,x)1nn
Cross-section (mb)
Proton energy (MeV)
0
500
1000
1500
2000
2500
0
20
40
60
80
100
120
140
160
180
200

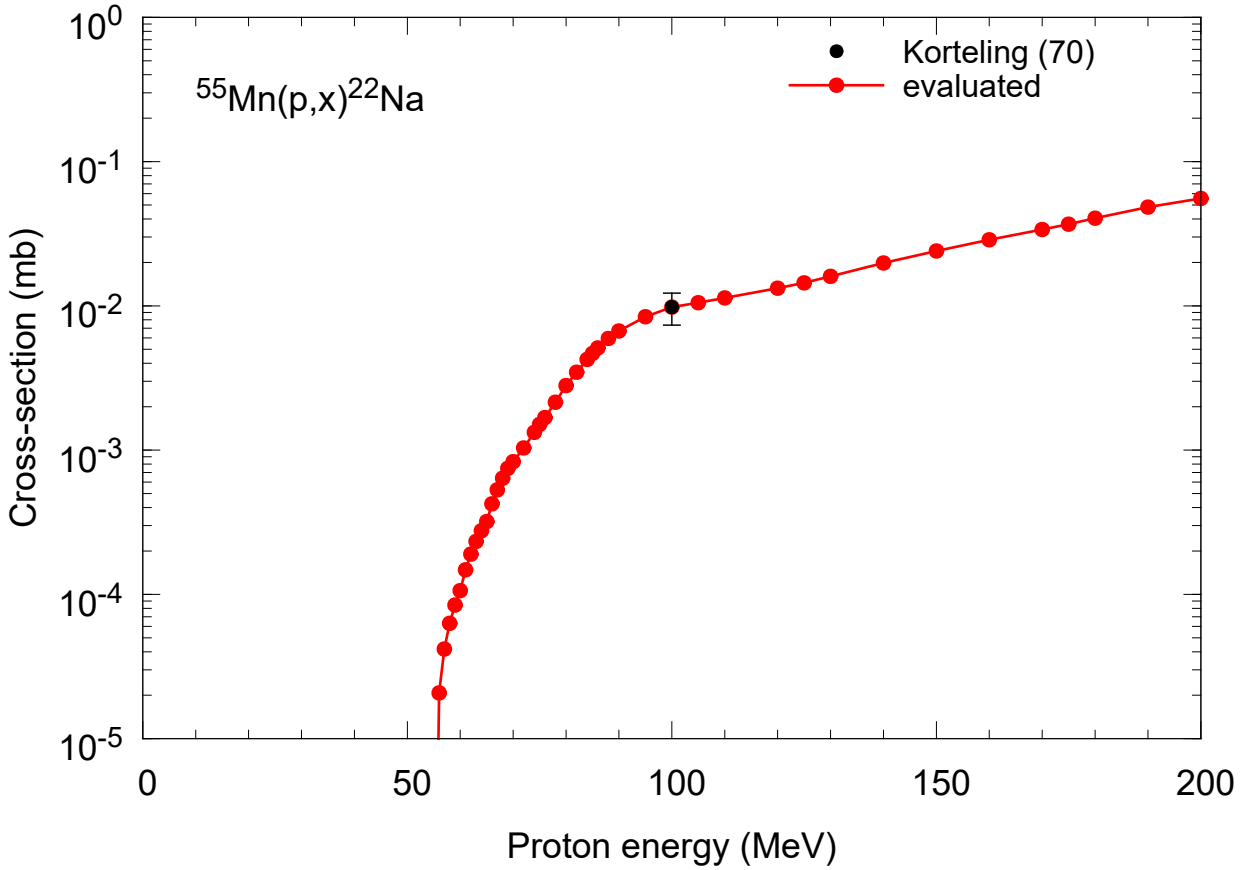

Reference data
evaluated
55Mn(p,x)1H
Cross-section (mb)
Proton energy (MeV)
0
200
400
600
800
1000
1200
1400
1600
0
50
100
150
200

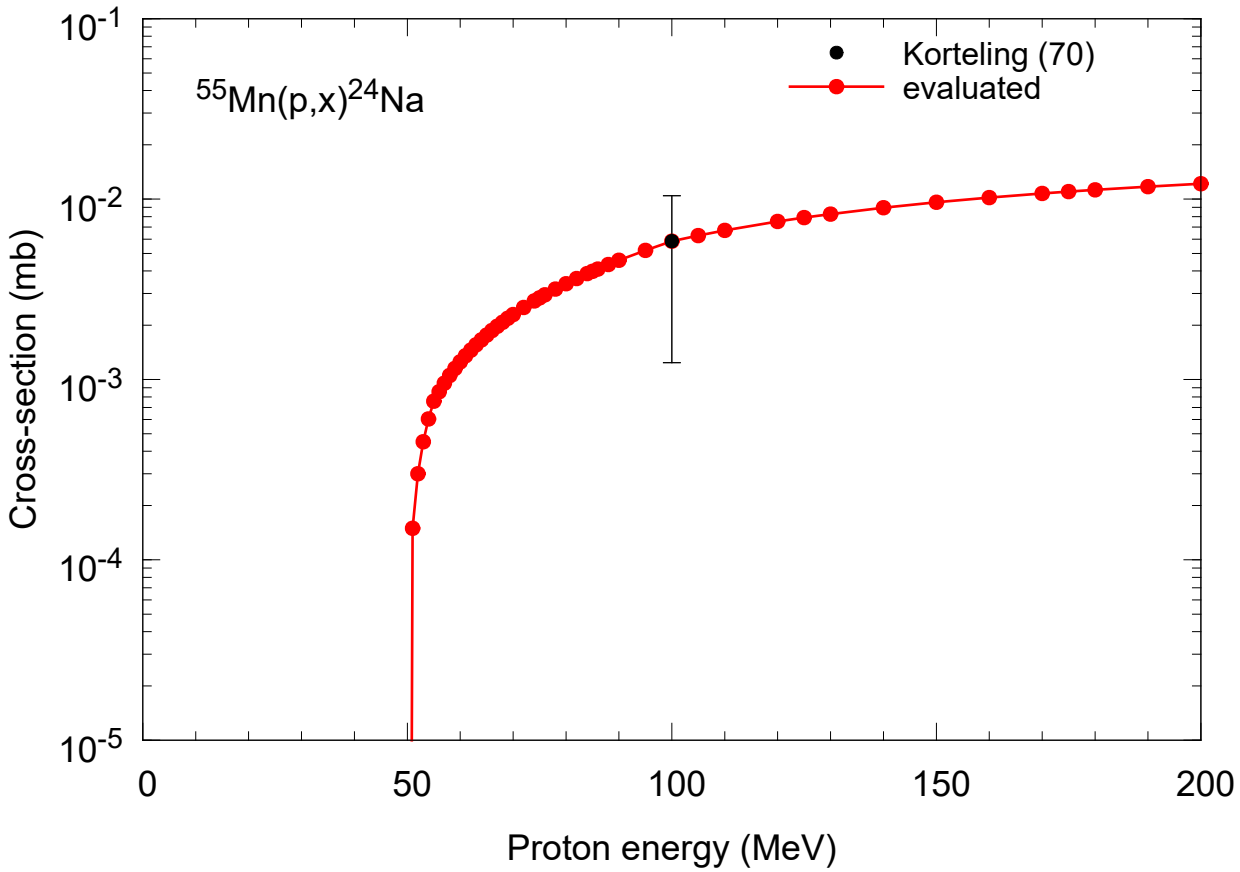

^{55}Mn(p,x)^{2}H
Reference data
evaluated
Cross-section (mb)
Proton energy (MeV)
0
20
40
60
80
100
120
140
160
180
200

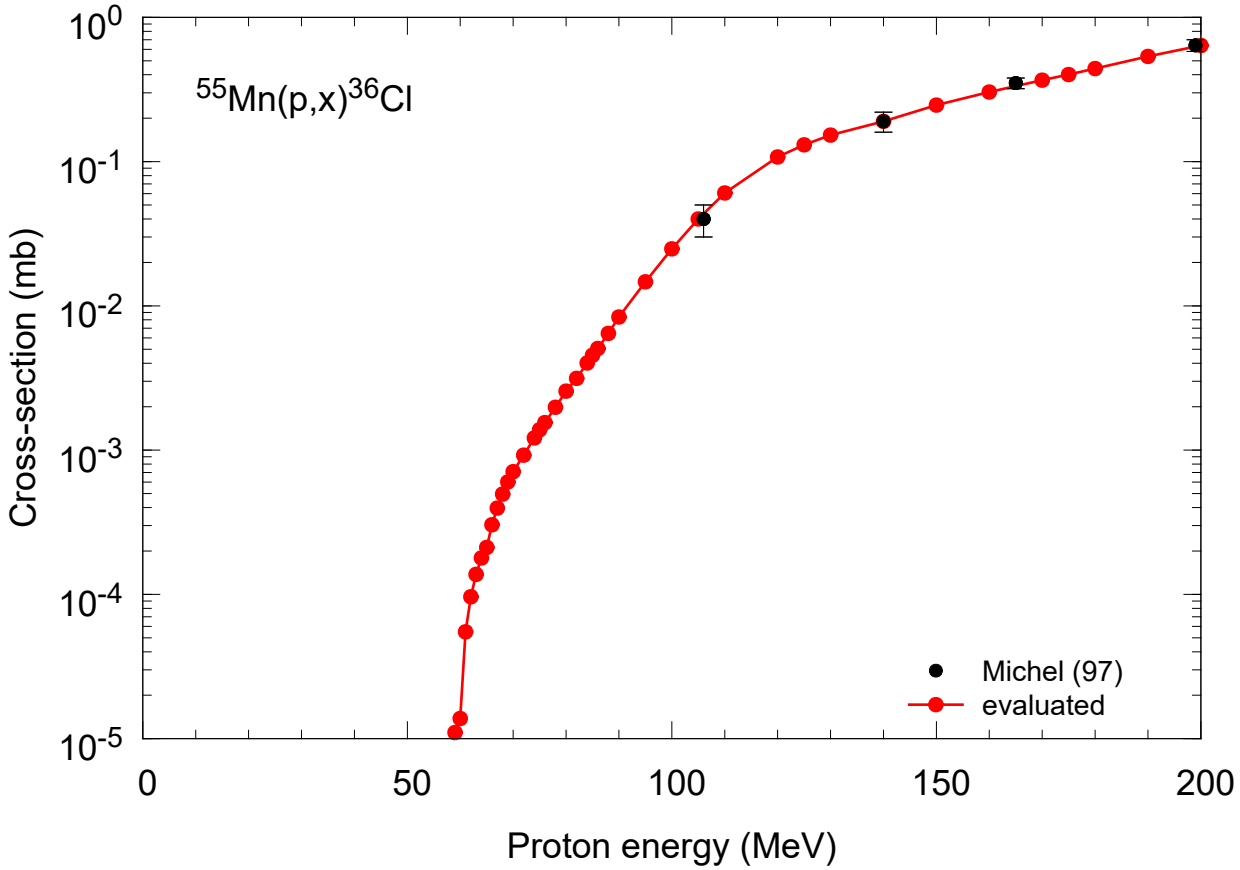

^{55}Mn(p,x)^{3}H
Reference data
evaluated
Cross-section (mb)
Proton energy (MeV)
0
10
20
30
40
50
60
80
100
120
140
160
180
200

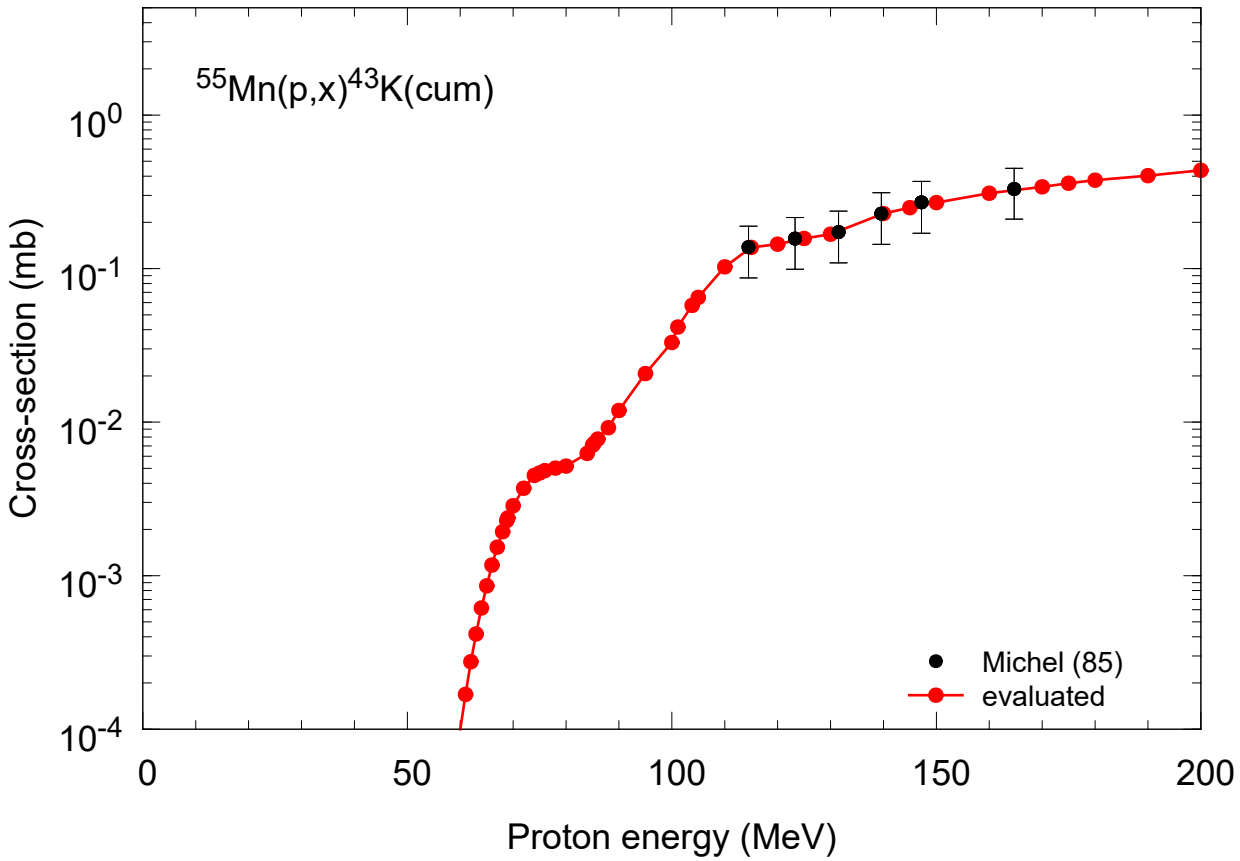

^{55}Mn(p,x)^{3}He
Reference data
evaluated
Cross-section (mb)
Proton energy (MeV)
0
5
10
15
20
25
0
20
40
60
80
100
120
140
160
180
200

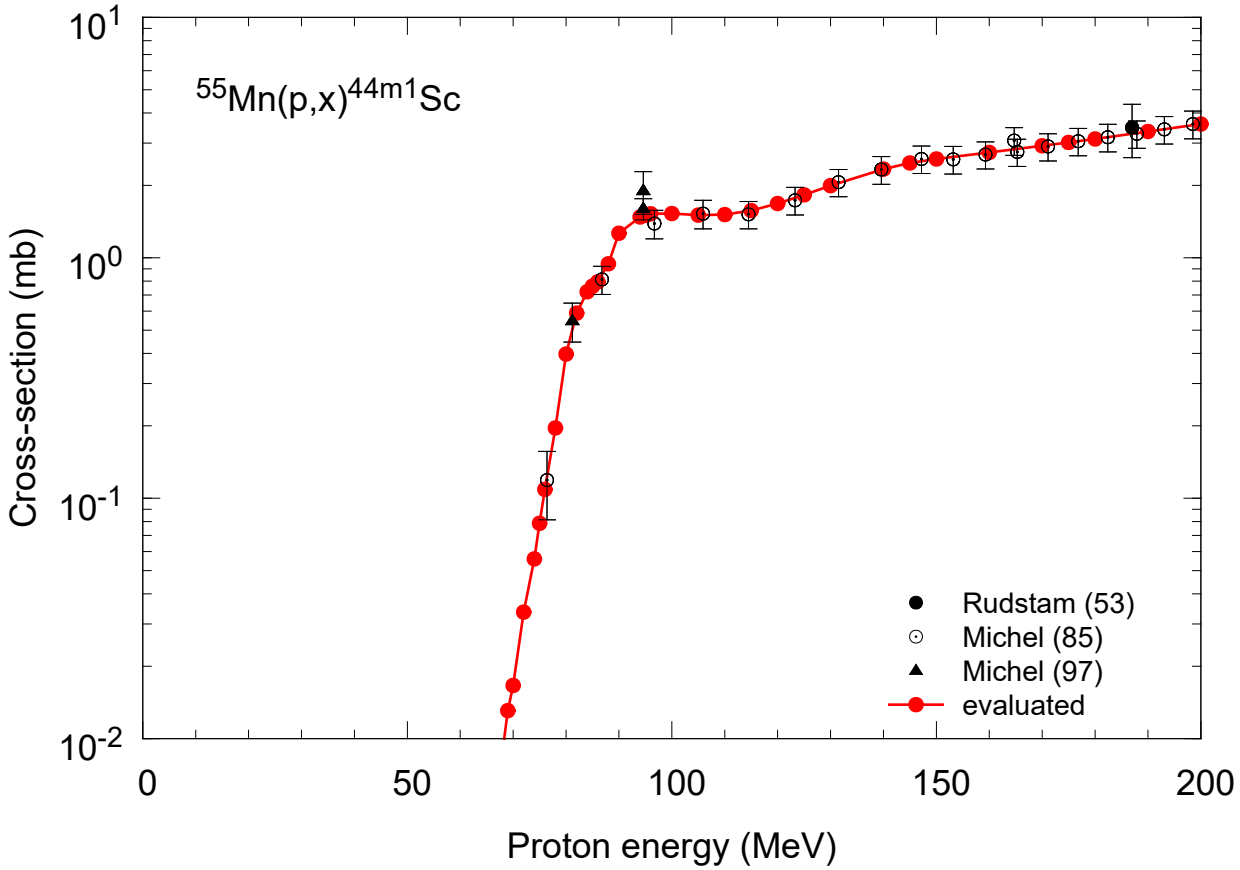

^{55}Mn(p,x)^{4}He
Reference data
evaluated
Cross-section (mb)
Proton energy (MeV)
0
50
100
150
200
250
0
50
100
150
200

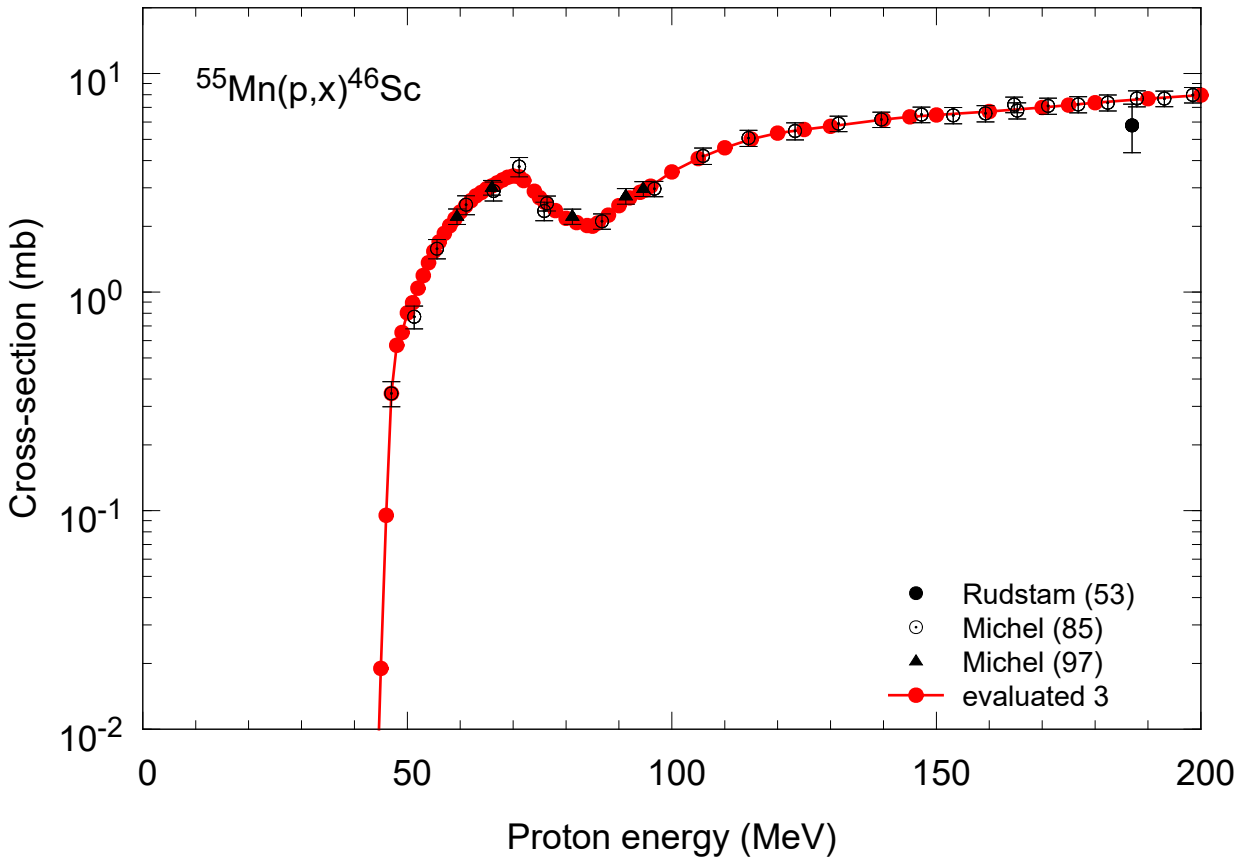

^{55}Mn(p,x)^{22}Na
Korteling (70)
evaluated
Cross-section (mb)
Proton energy (MeV)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
50
100
150
200

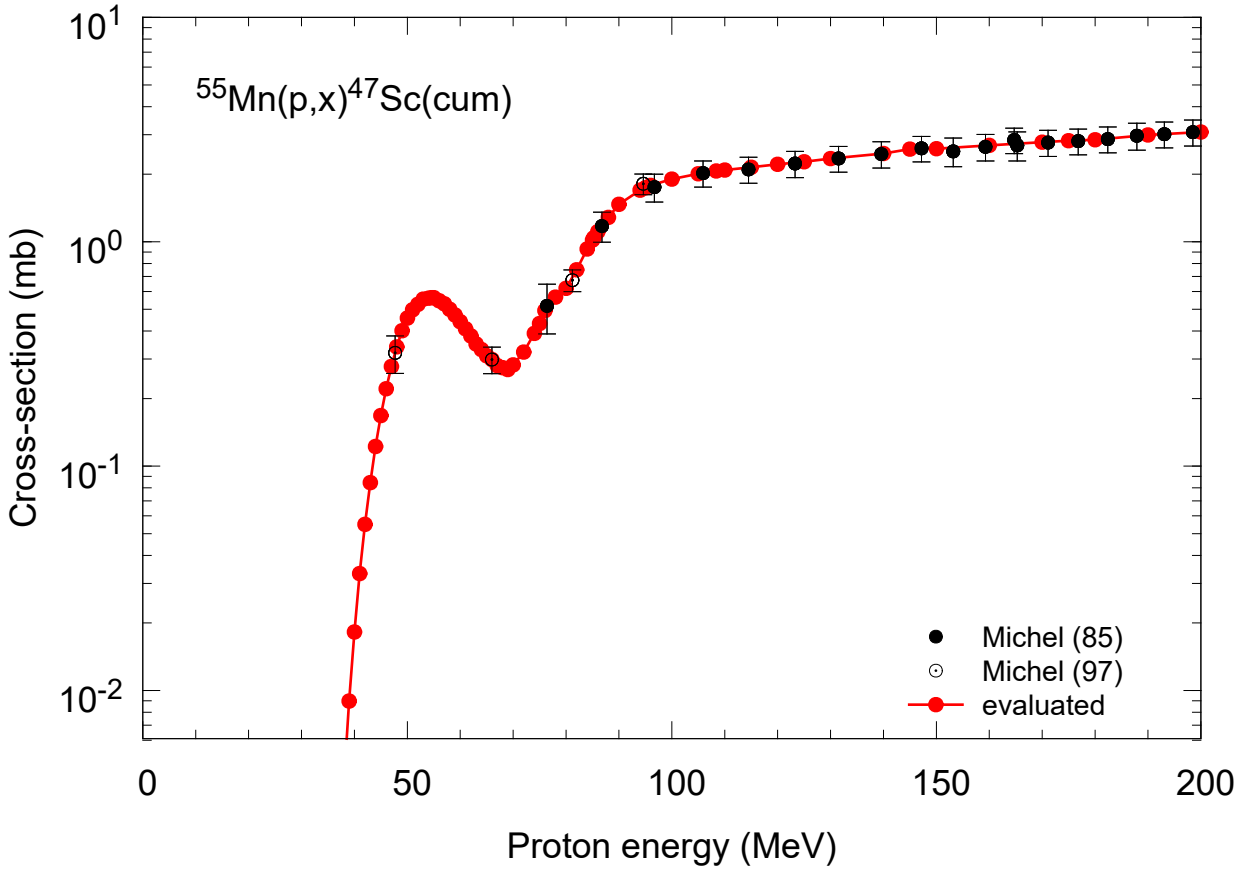

^{55}Mn(p,x)^{24}Na
Korteling (70)
evaluated
Cross-section (mb)
Proton energy (MeV)
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
50
100
150
200

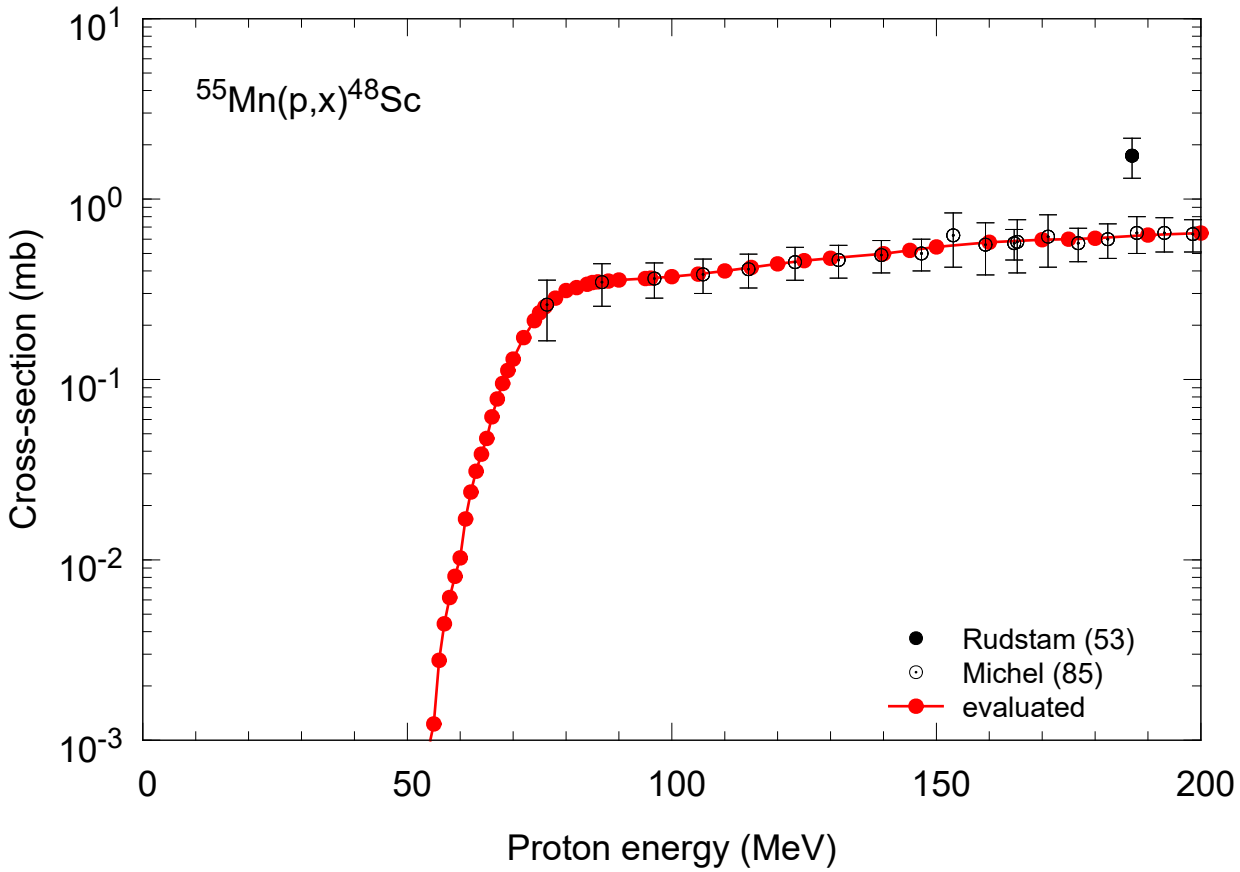

^{55}Mn(p,x)^{36}Cl
Cross-section (mb)
Proton energy (MeV)
Michel (97)
evaluated
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
50
100
150
200

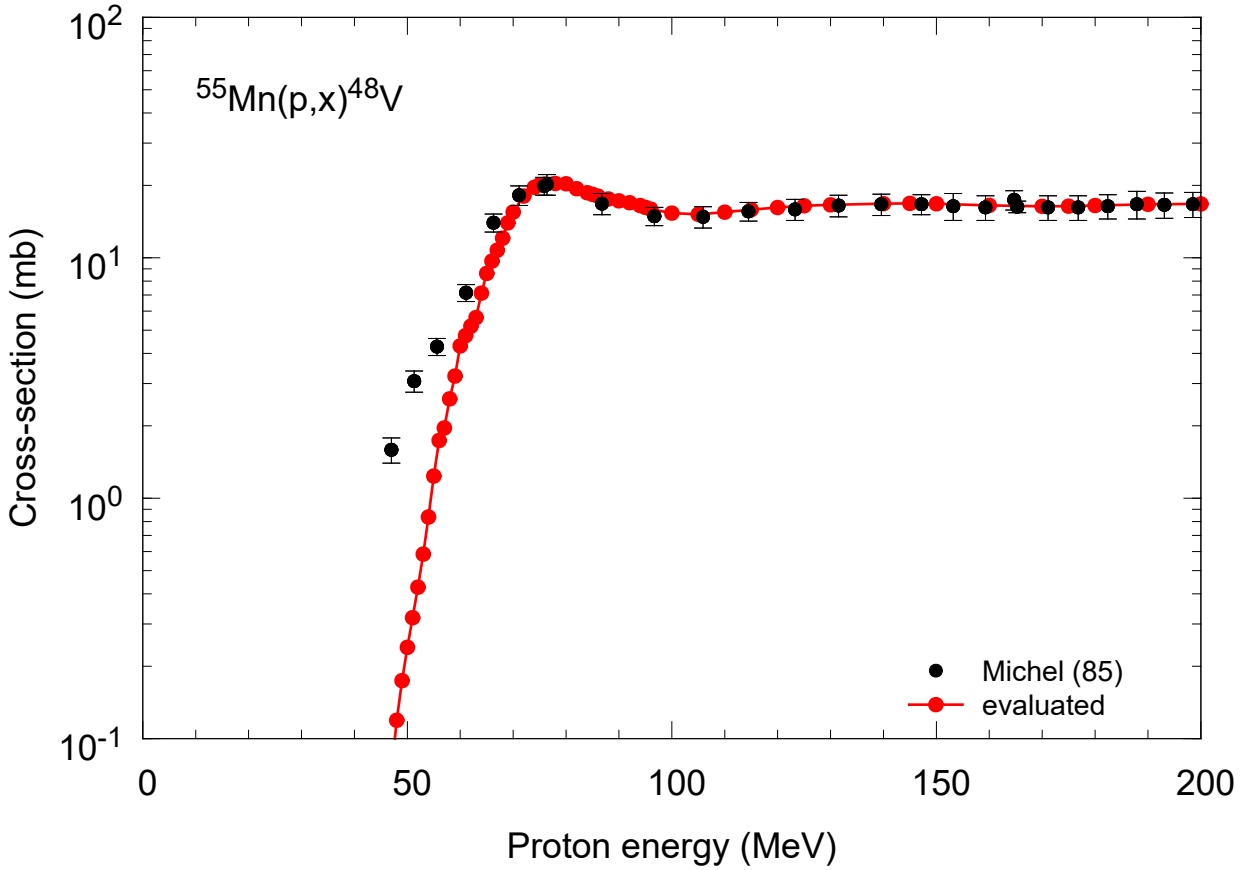

^{55}Mn(p,x)^{43}K(cum)
Cross-section (mb)
Proton energy (MeV)
Michel (85)
evaluated
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
0
50
100
150
200

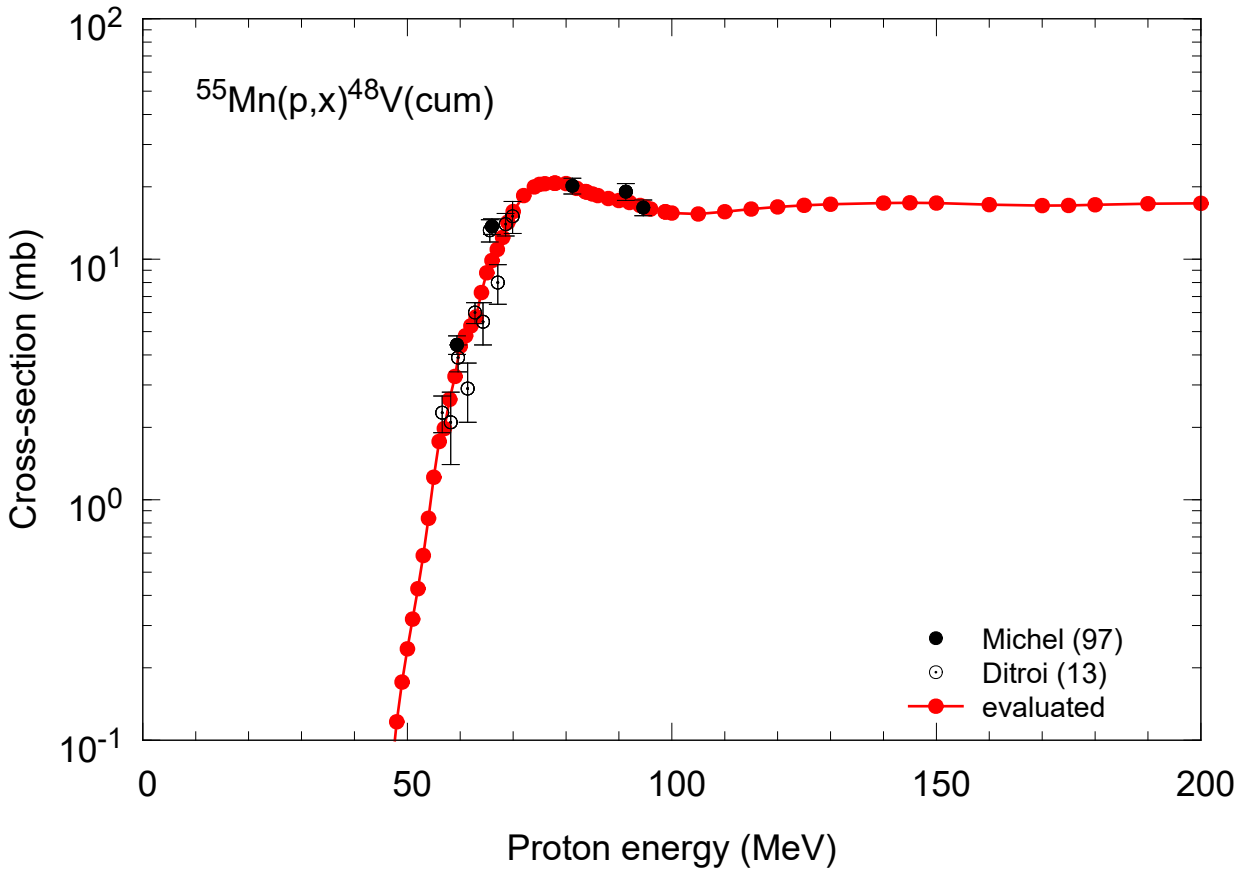

^{55}Mn(p,x)^{44m1}Sc
Cross-section (mb)
Proton energy (MeV)
Rudstam (53)
Michel (85)
Michel (97)
evaluated

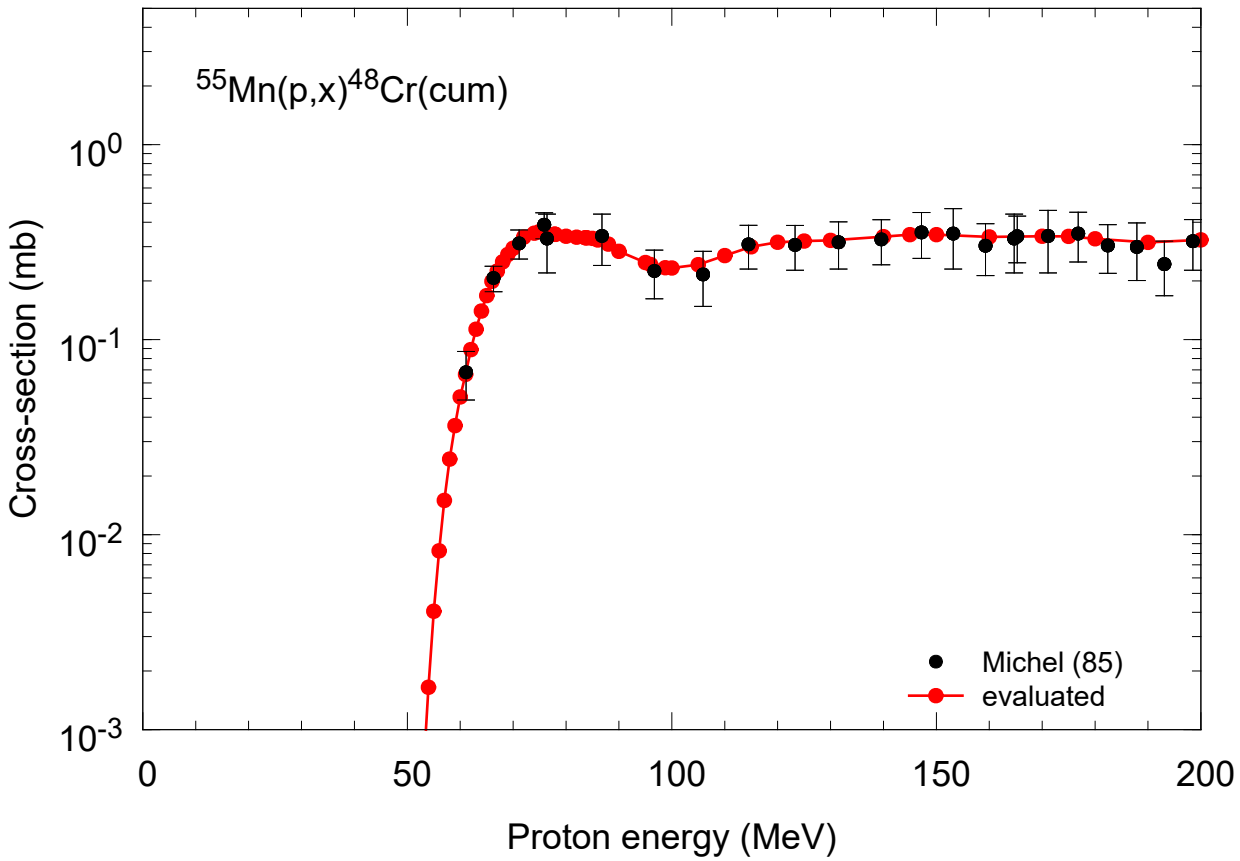

^{55}Mn(p,x)^{46}Sc
Cross-section (mb)
Proton energy (MeV)
Rudstam (53)
Michel (85)
Michel (97)
evaluated 3

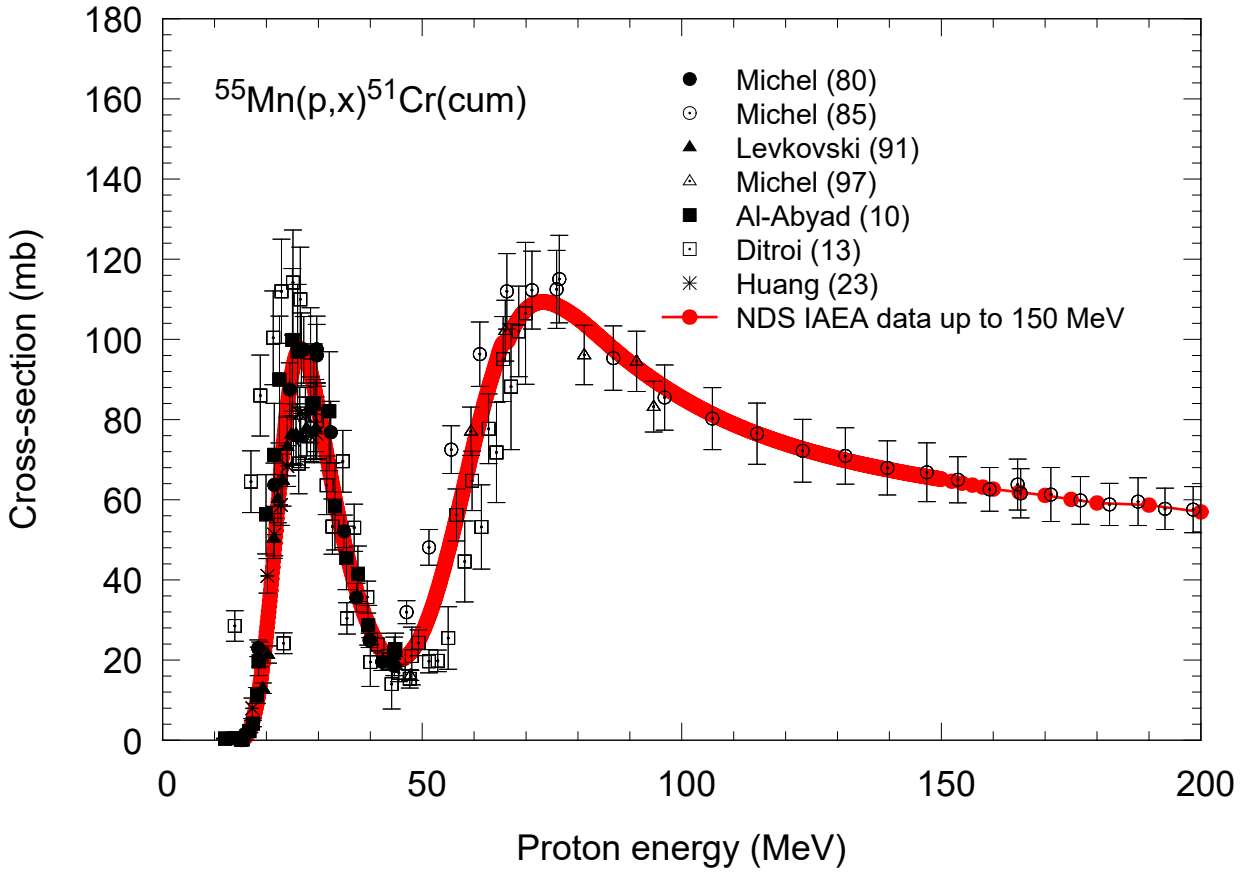

^{55}Mn(p,x)^{47}Sc(cum)
Cross-section (mb)
Proton energy (MeV)
Michel (85)
Michel (97)
evaluated

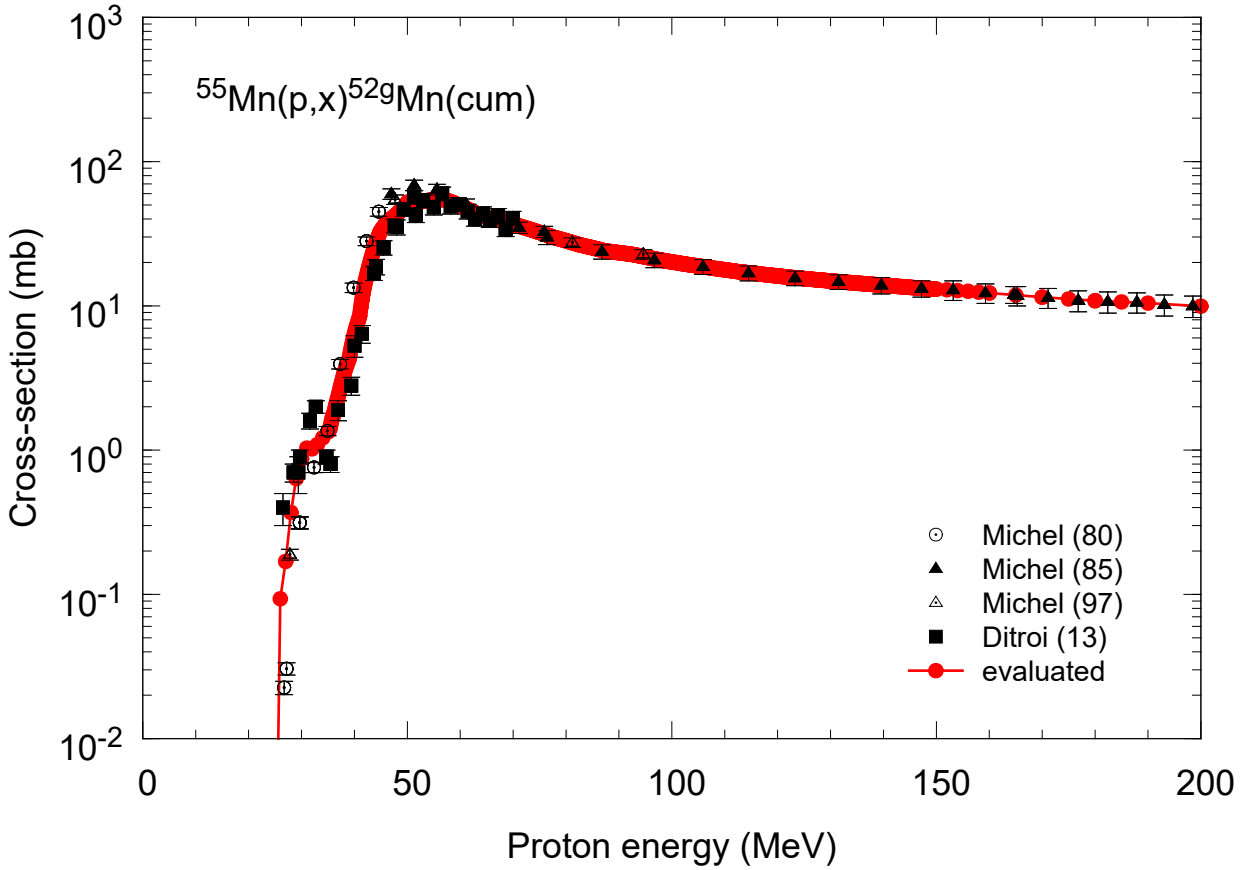

^{55}Mn(p,x)^{48}Sc
Cross-section (mb)
Proton energy (MeV)
Rudstam (53)
Michel (85)
evaluated

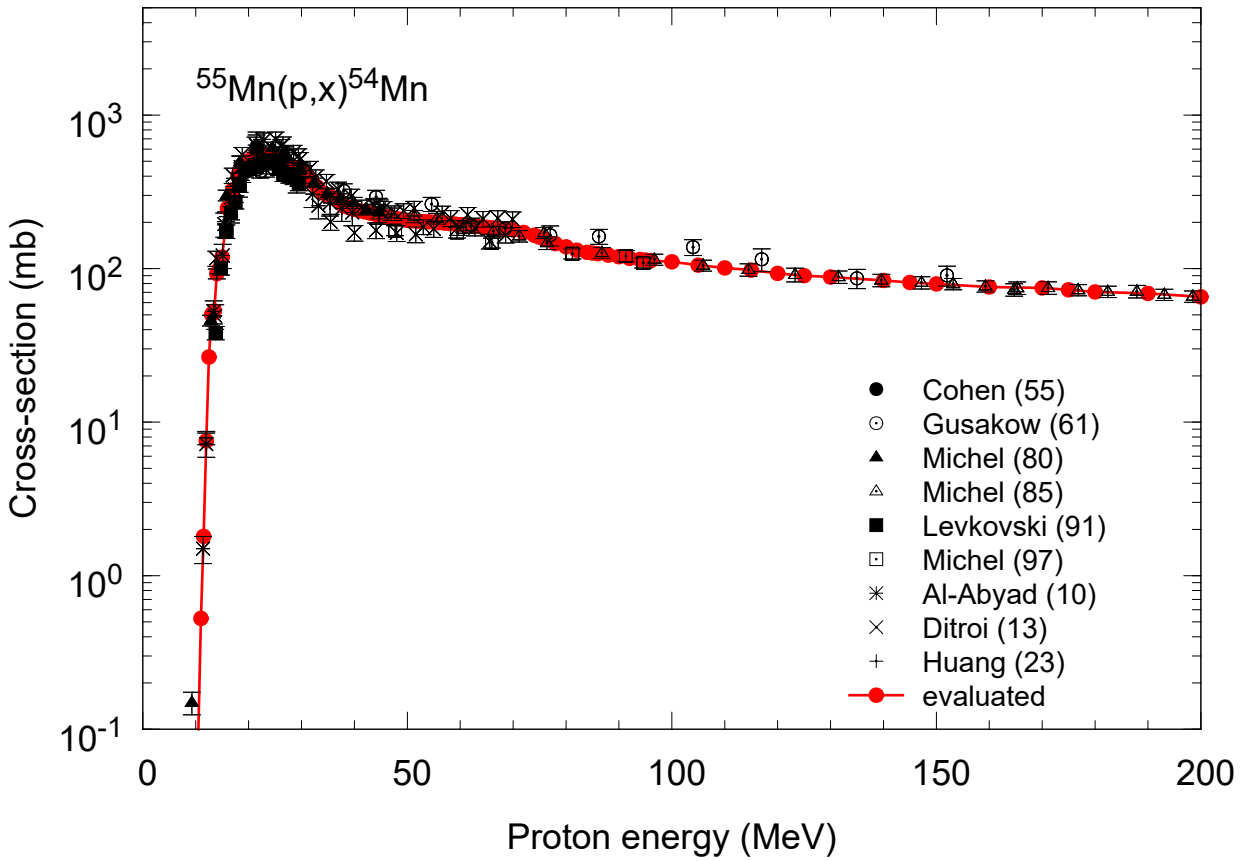

^{55}Mn(p,x)^{48}V
Cross-section (mb)
Proton energy (MeV)
Michel (85)
evaluated

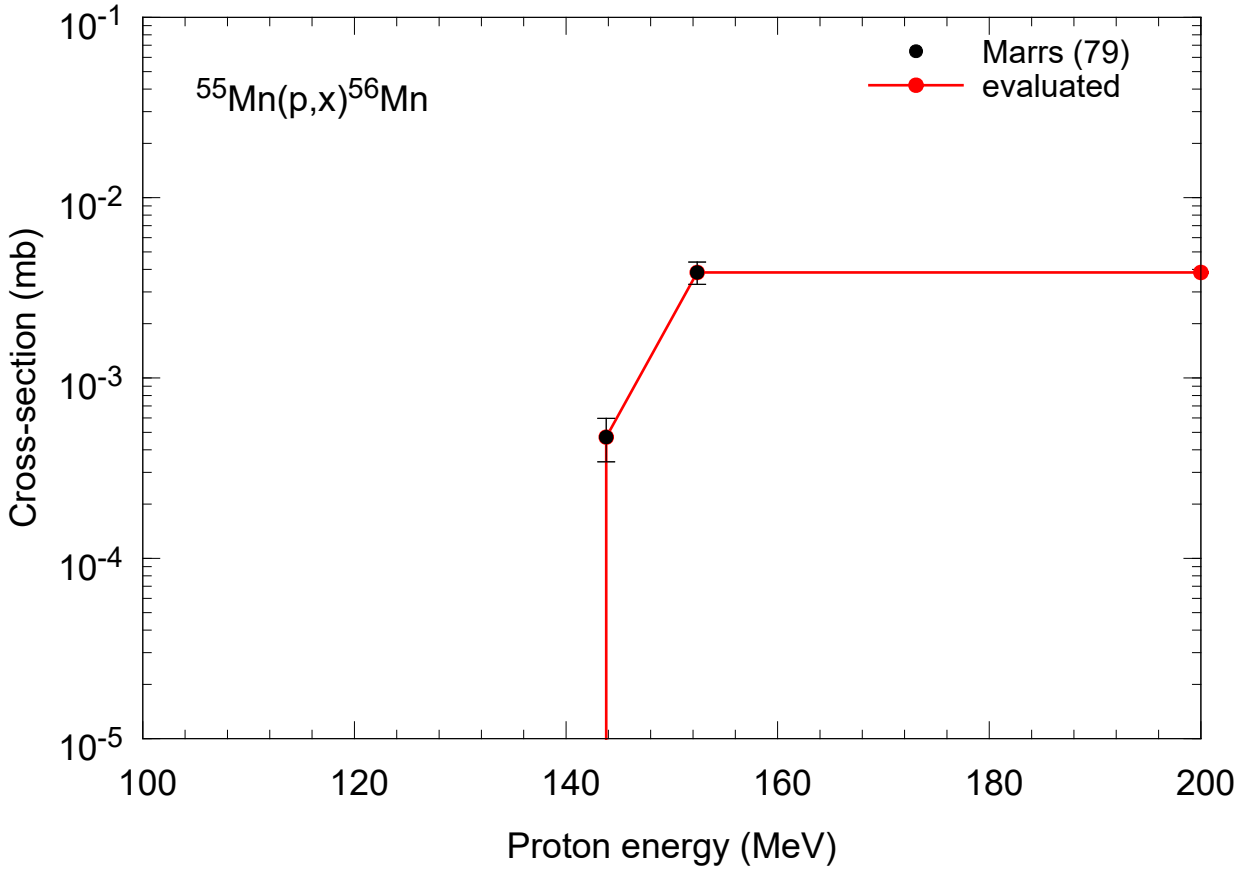

^{55}Mn(p,x)^{48}V(cum)
Cross-section (mb)
Proton energy (MeV)
Michel (97)
Ditroi (13)
evaluated

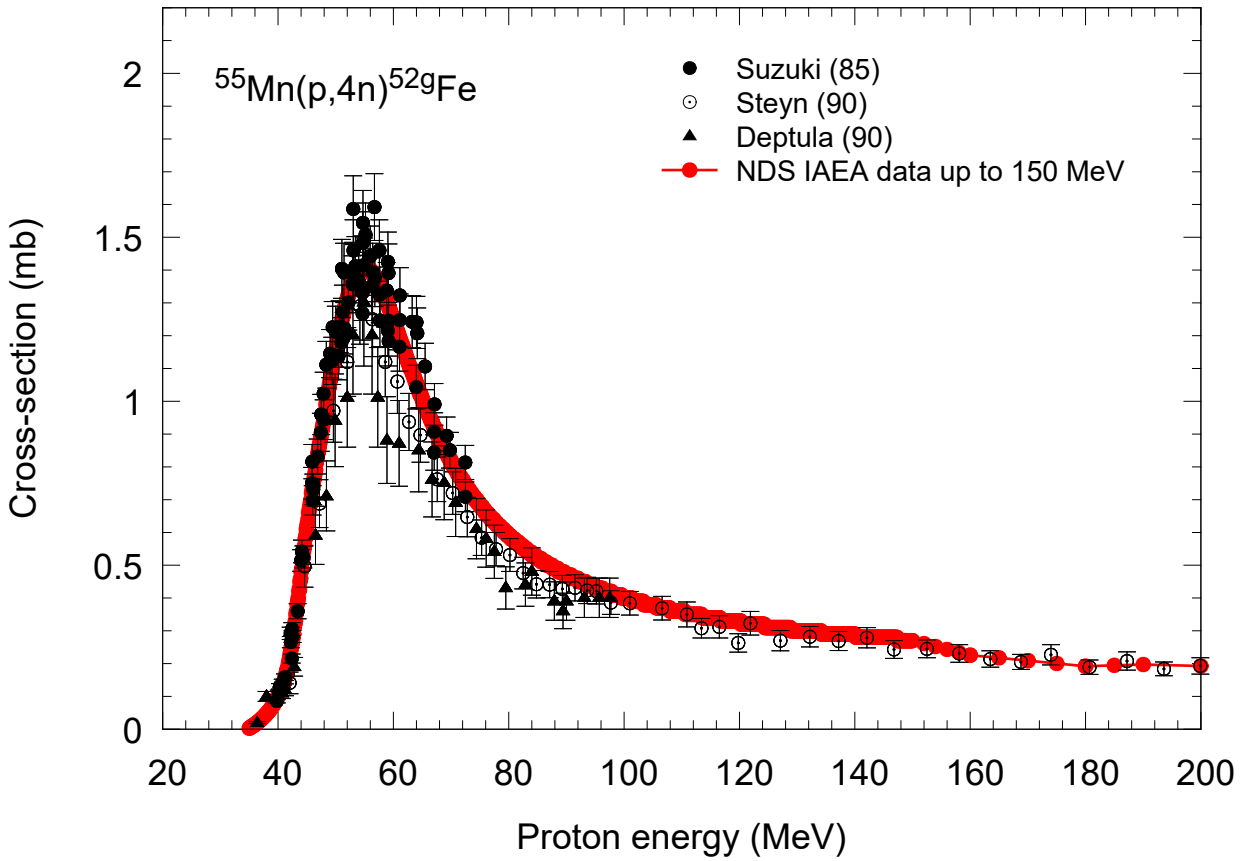

^{55}Mn(p,x)^{48}Cr(cum)
Cross-section (mb)
Proton energy (MeV)
Michel (85)
evaluated

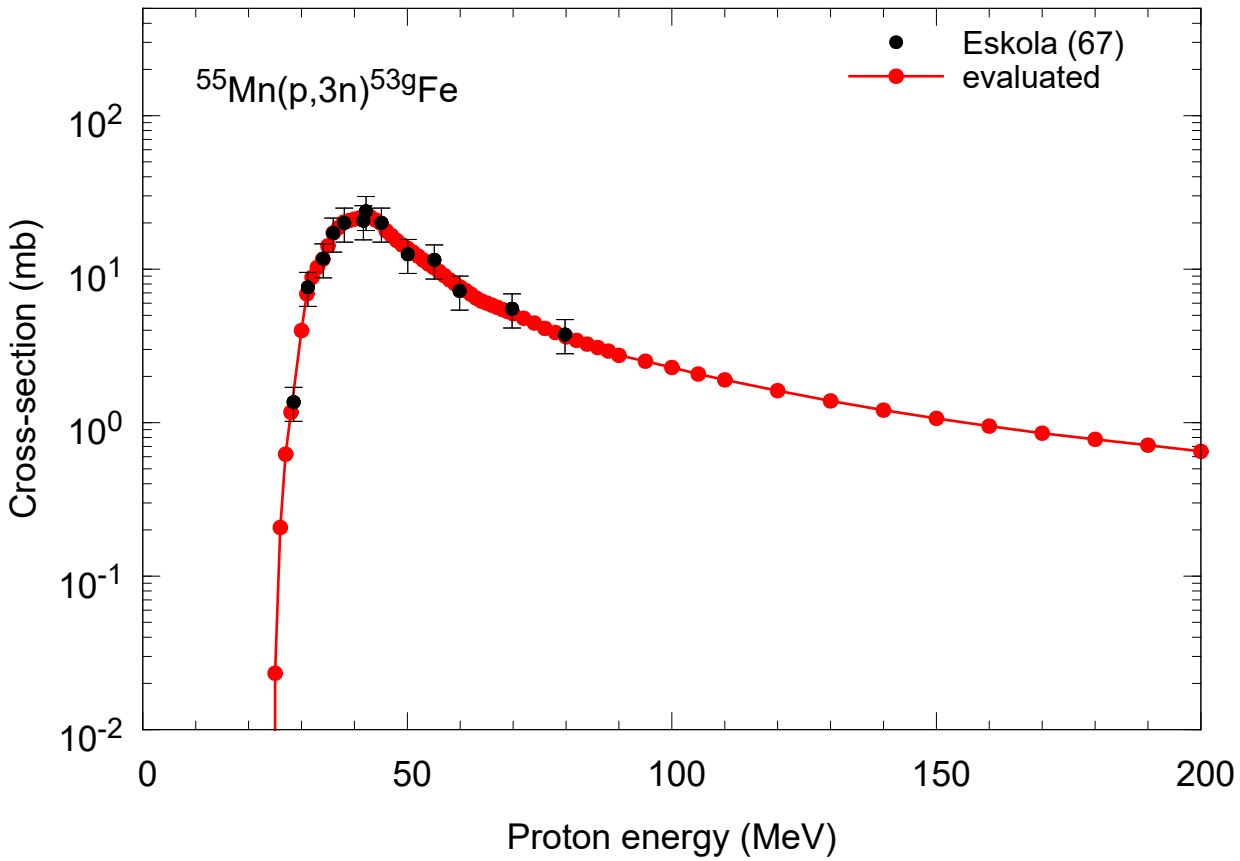

^{55}Mn(p,x)^{51}Cr(cum)
Cross-section (mb)
Proton energy (MeV)
Michel (80)
Michel (85)
Levkovski (91)
Michel (97)
Al-Abyad (10)
Ditroi (13)
Huang (23)
NDS IAEA data up to 150 MeV

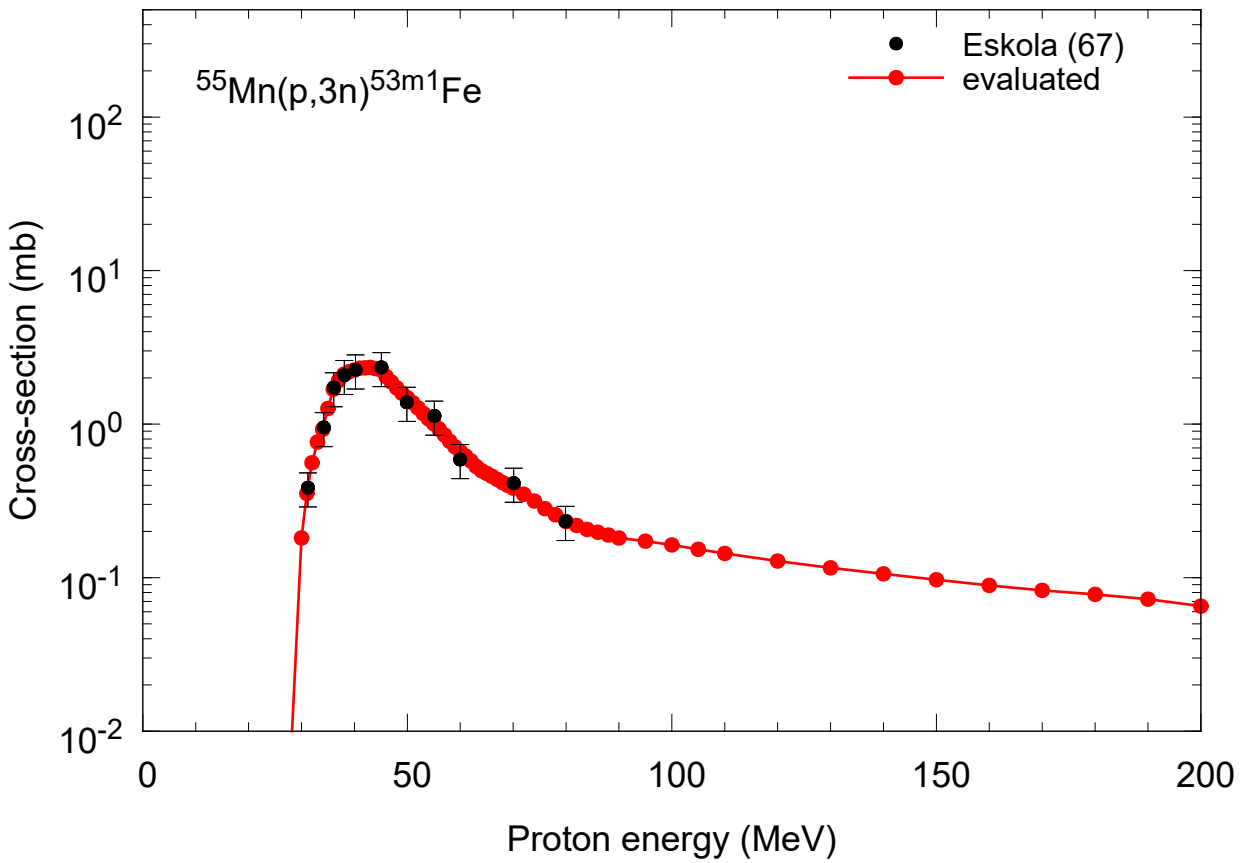

^{55}Mn(p,x)^{52g}Mn(cum)
Cross-section (mb)
Proton energy (MeV)
Michel (80)
Michel (85)
Michel (97)
Ditroi (13)
evaluated

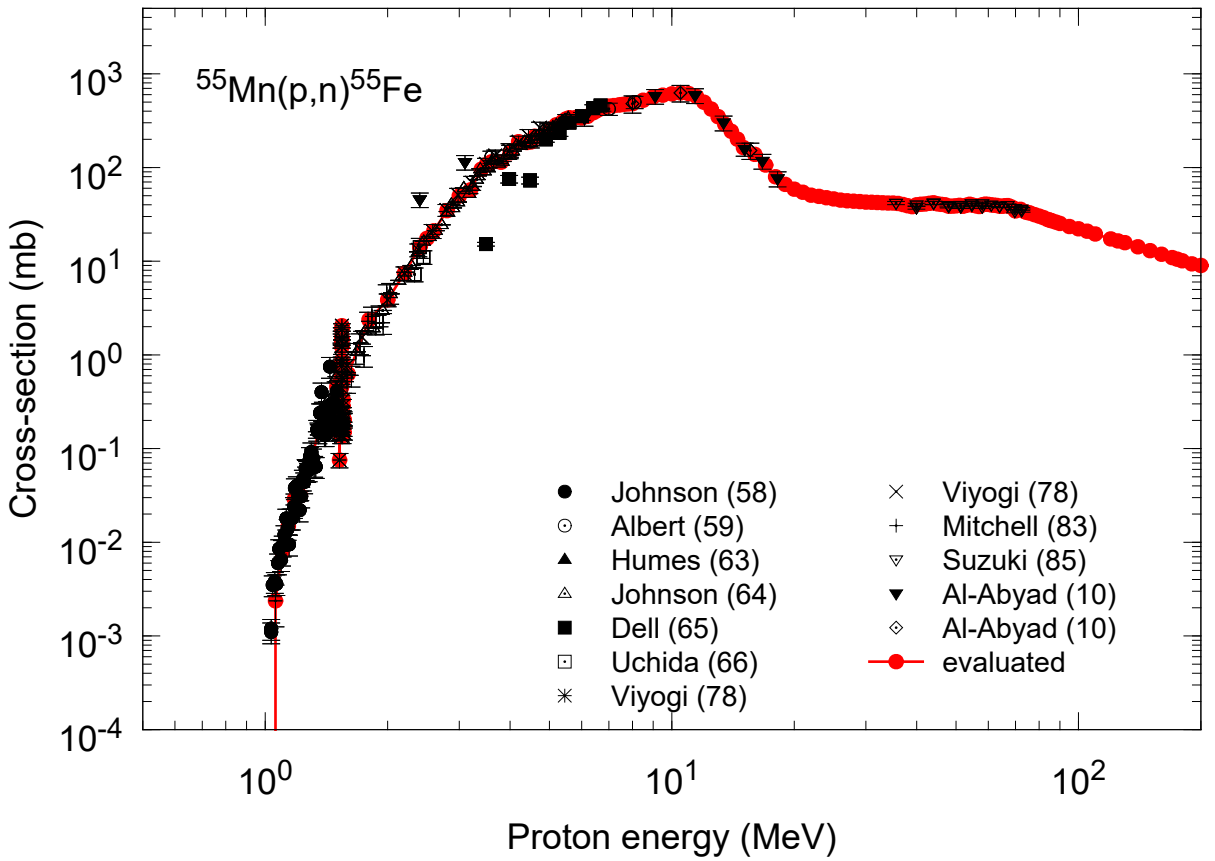

^{55}Mn(p,x)^{54}Mn
Cross-section (mb)
Proton energy (MeV)
Cohen (55)
Gusakow (61)
Michel (80)
Michel (85)
Levkovski (91)
Michel (97)
Al-Abyad (10)
Ditroi (13)
Huang (23)
evaluated

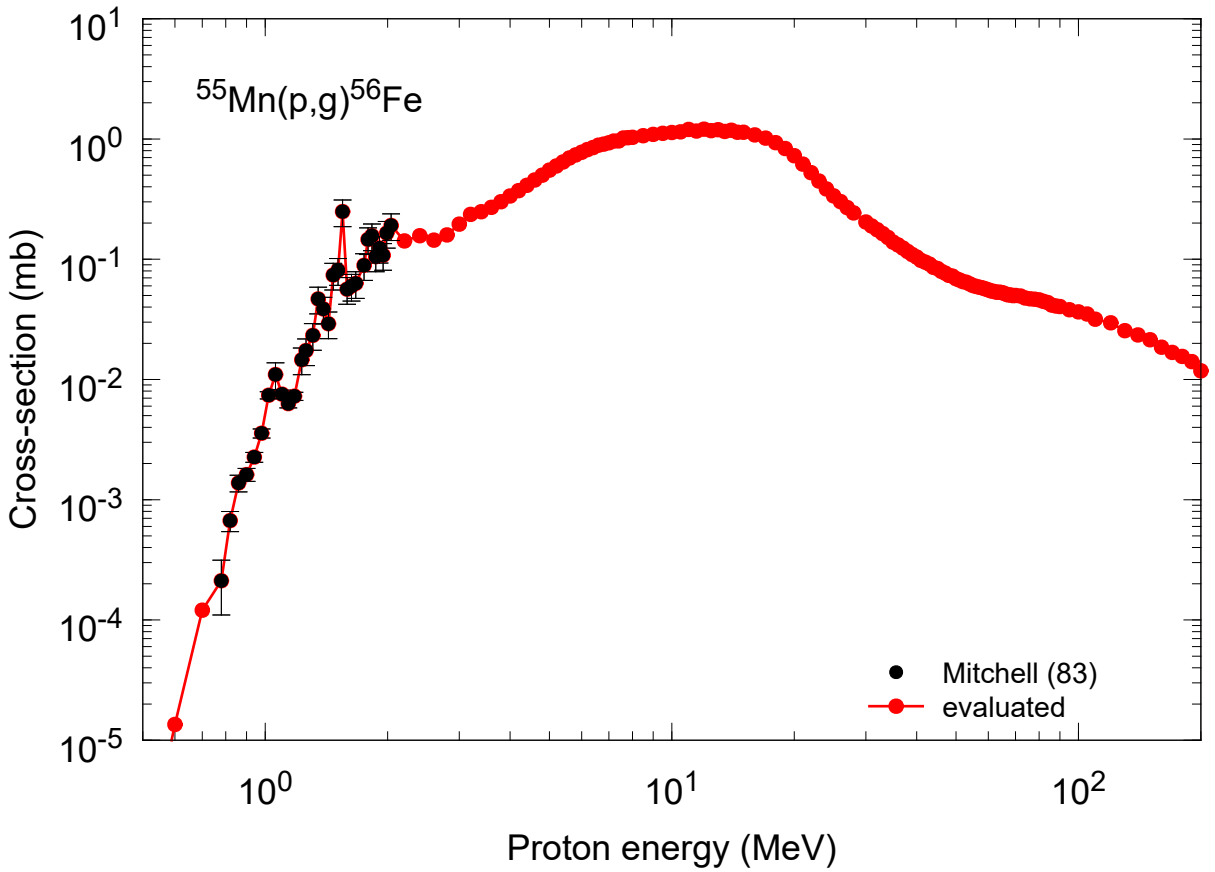

^{55}Mn(p,x)^{56}Mn
Marrs (79)
evaluated
Cross-section (mb)
Proton energy (MeV)
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
100
120
140
160
180
200


^{55}Mn(p,4n)^{52g}Fe
Suzuki (85)
Steyn (90)
Deptula (90)
NDS IAEA data up to 150 MeV
Cross-section (mb)
Proton energy (MeV)
2
1.5
1
0.5
0
20
40
60
80
100
120
140
160
180
200


^{55}Mn(p,3n)^{53g}Fe
Eskola (67)
evaluated
Cross-section (mb)
Proton energy (MeV)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
0
50
100
150
200


^{55}Mn(p,3n)^{53m1}Fe
Eskola (67)
evaluated
Cross-section (mb)
Proton energy (MeV)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
0
50
100
150
200


^{55}Mn(p,n)^{55}Fe
Cross-section (mb)
Proton energy (MeV)
Johnson (58)
Albert (59)
Humes (63)
Johnson (64)
Dell (65)
Uchida (66)
Viyogi (78)
Viyogi (78)
Mitchell (83)
Suzuki (85)
Al-Abyad (10)
Al-Abyad (10)
evaluated


^{55}Mn(p,g)^{56}Fe
Cross-section (mb)
Proton energy (MeV)
Mitchell (83)
evaluated