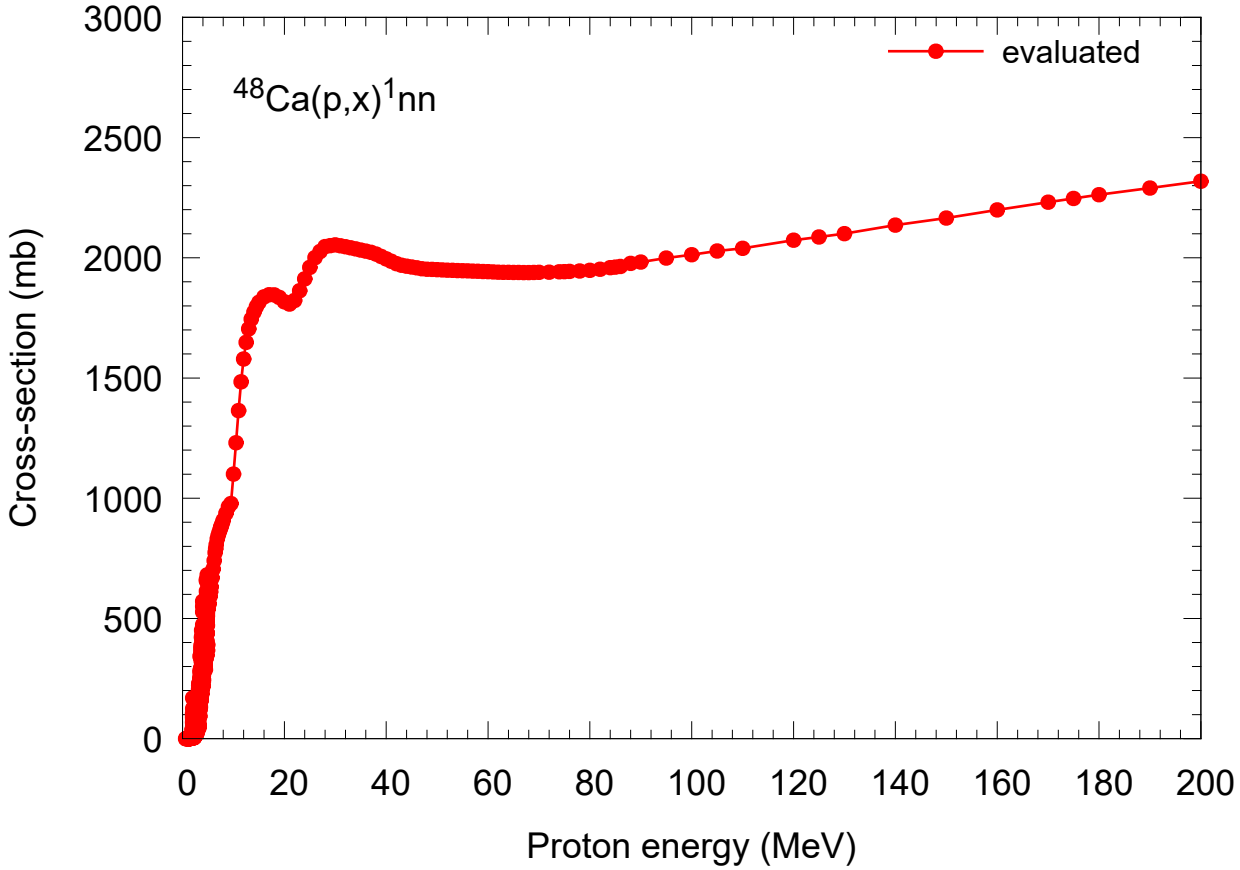
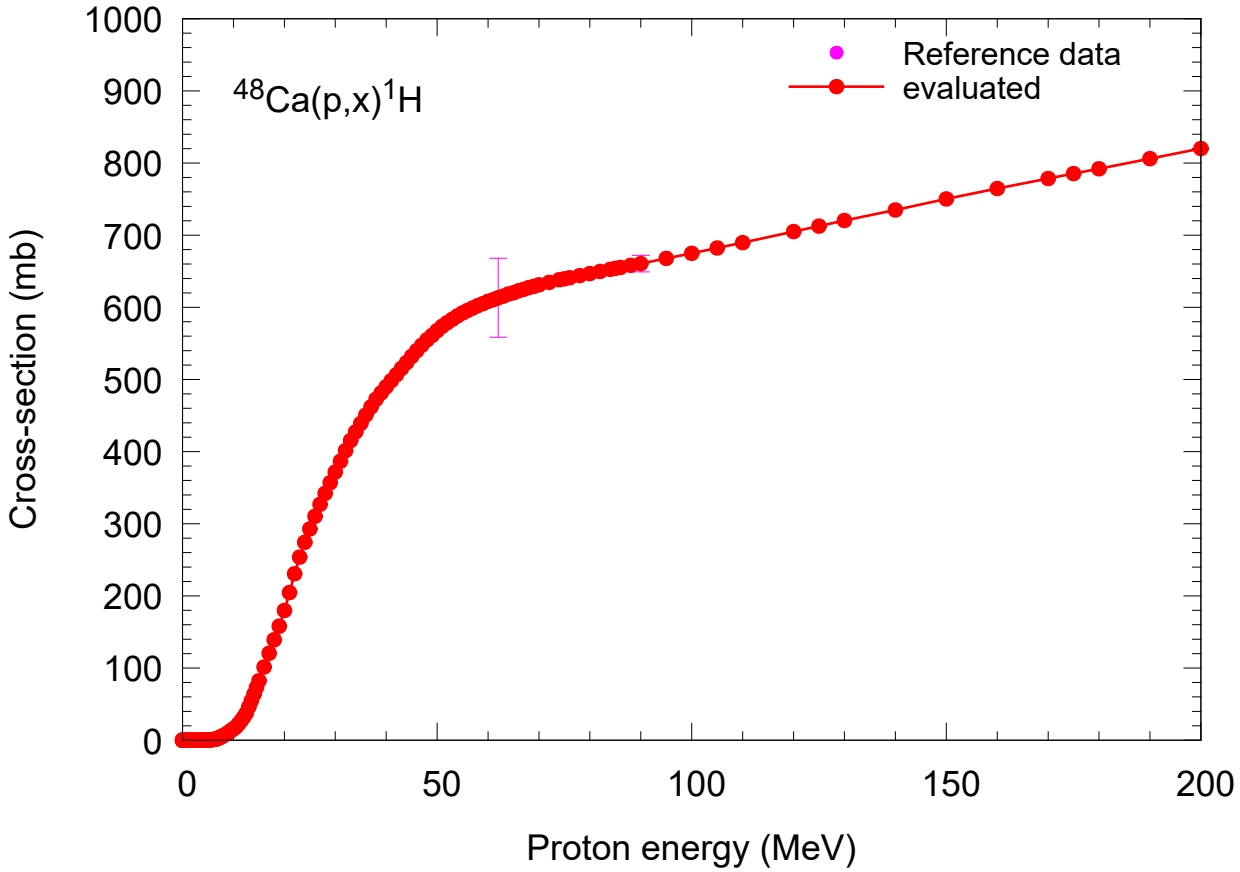
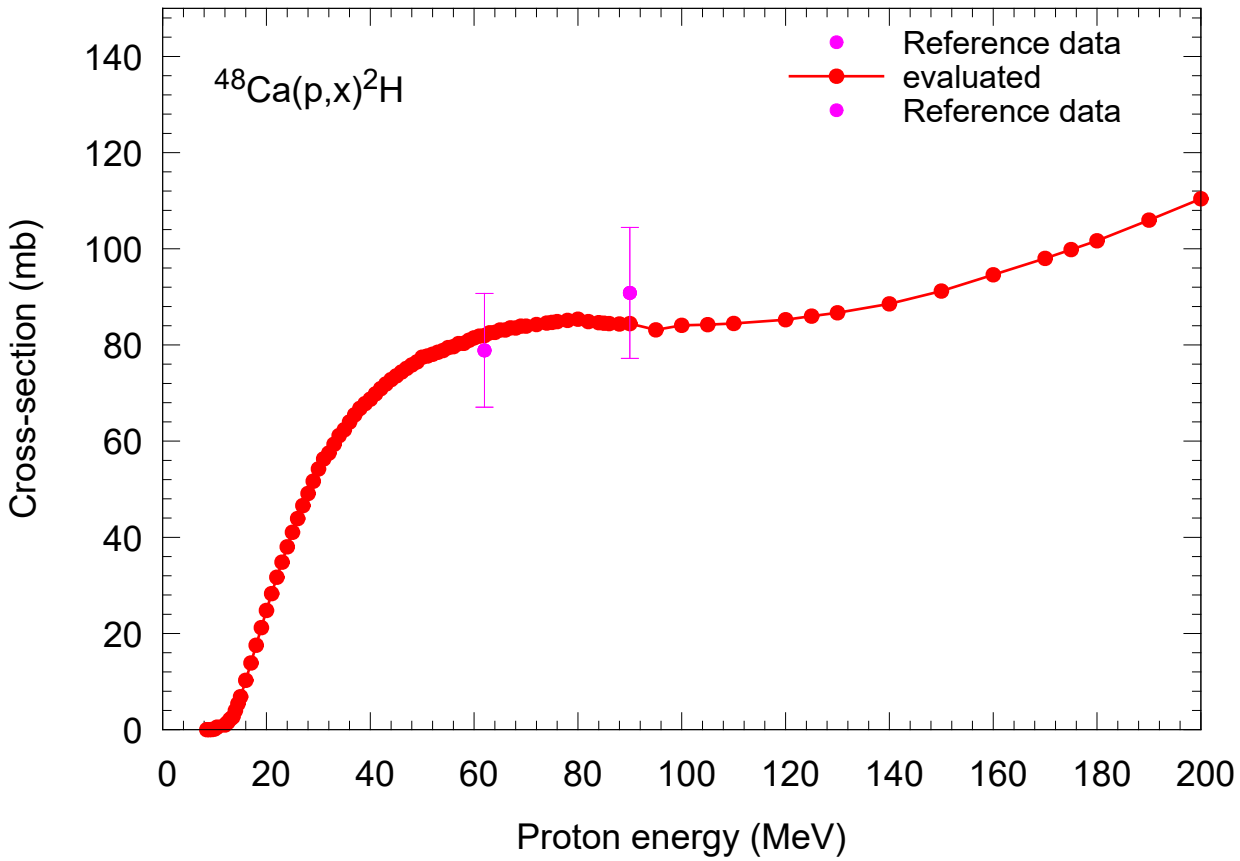
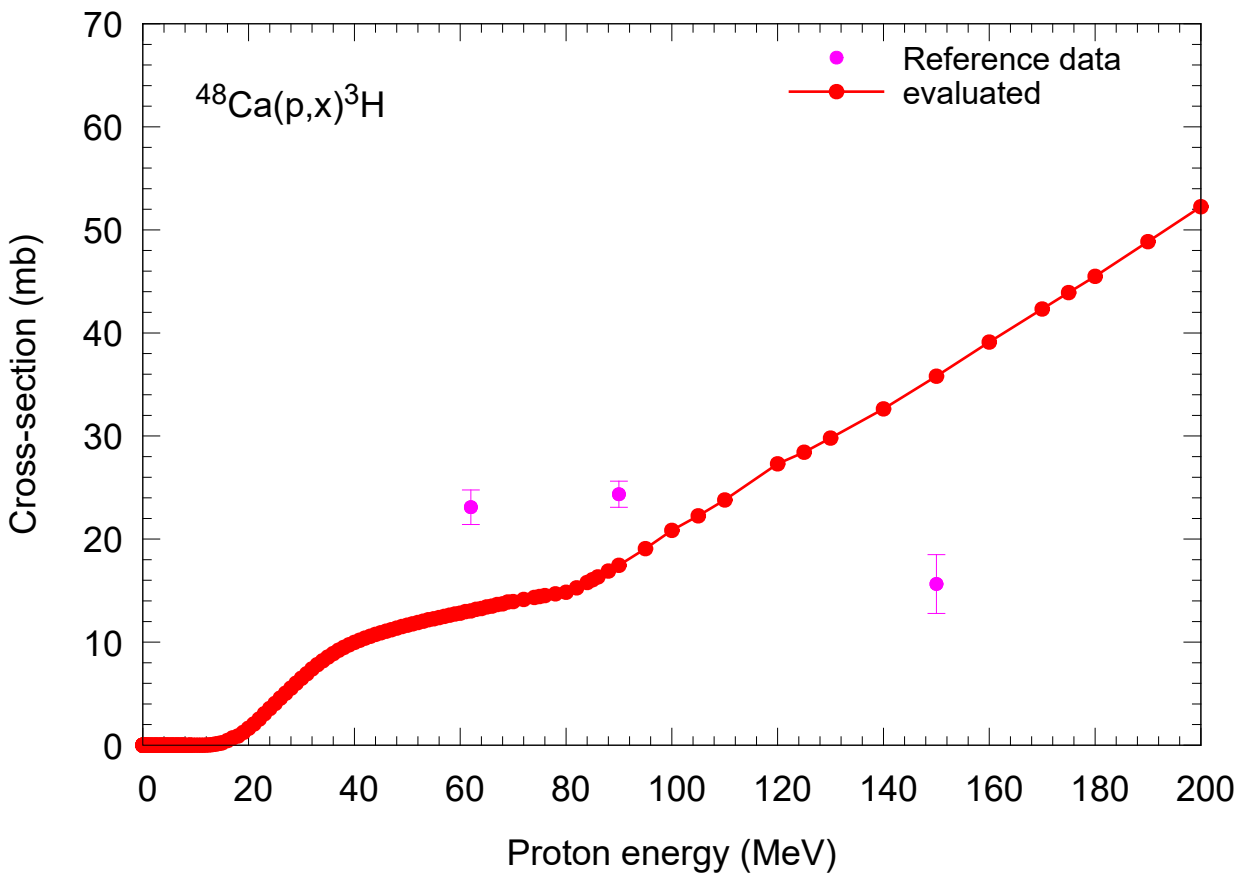
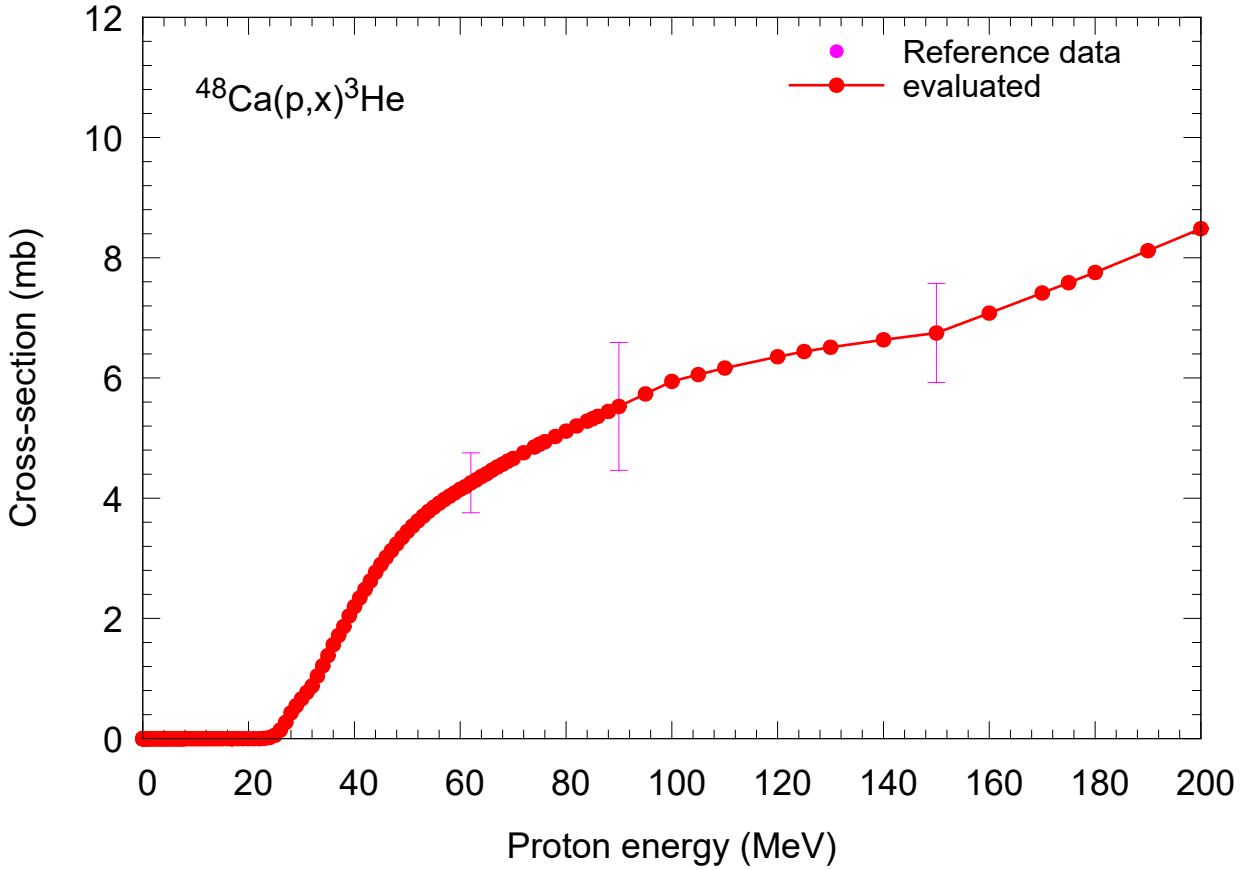
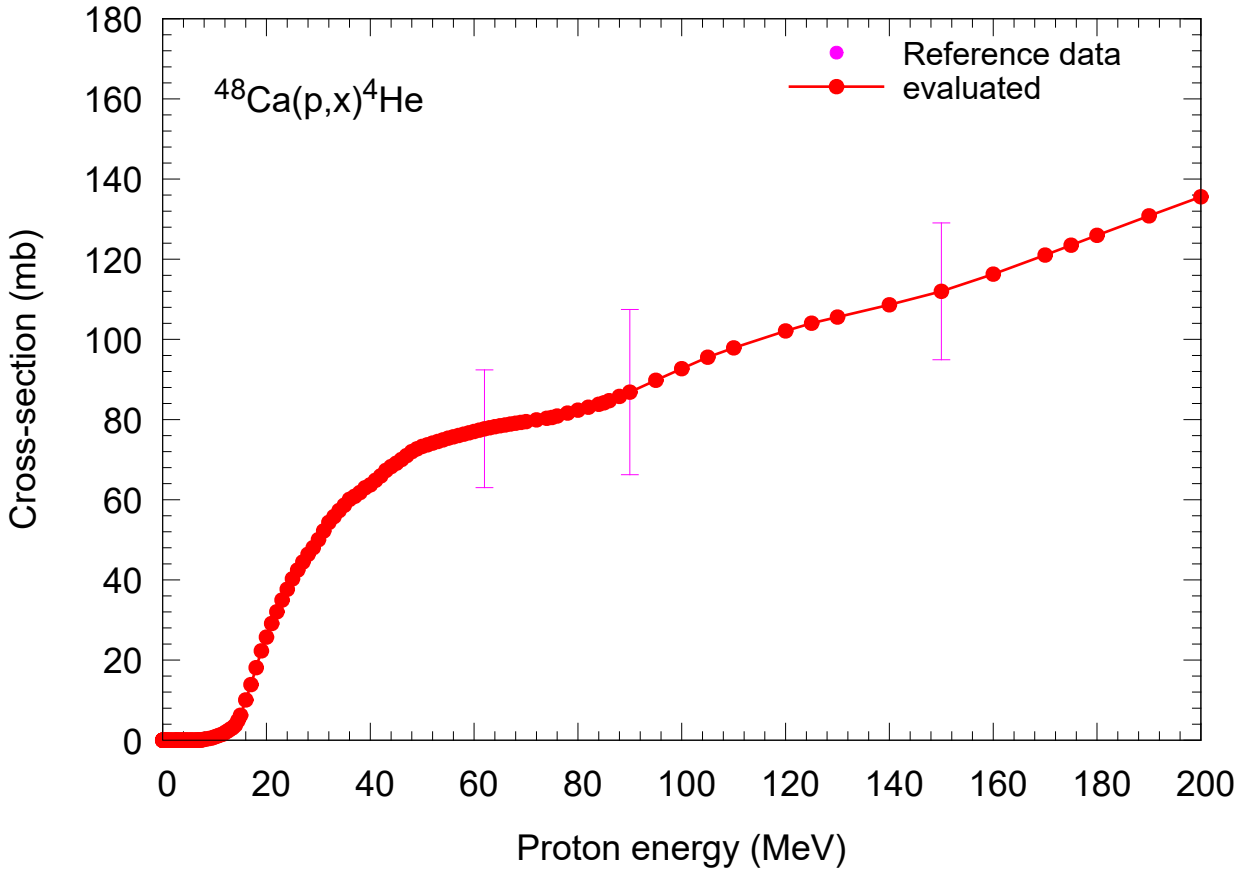

^{48}Ca(p,x)^{1}nn
evaluated
Cross-section (mb)
Proton energy (MeV)
0
500
1000
1500
2000
2500
3000
0
20
40
60
80
100
120
140
160
180
200

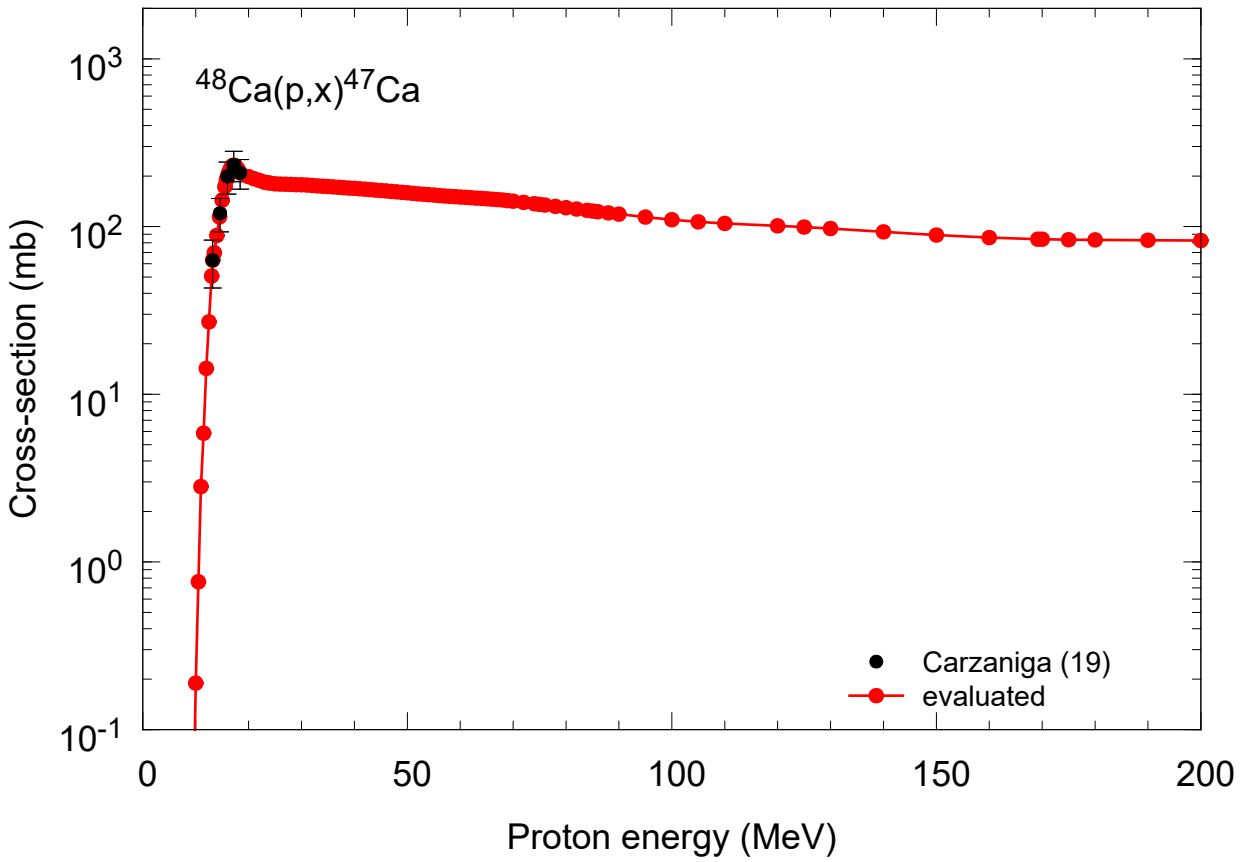

^{48}Ca(p,x)^{1}H
Reference data
evaluated
Cross-section (mb)
Proton energy (MeV)
0
100
200
300
400
500
600
700
800
900
1000
0
50
100
150
200

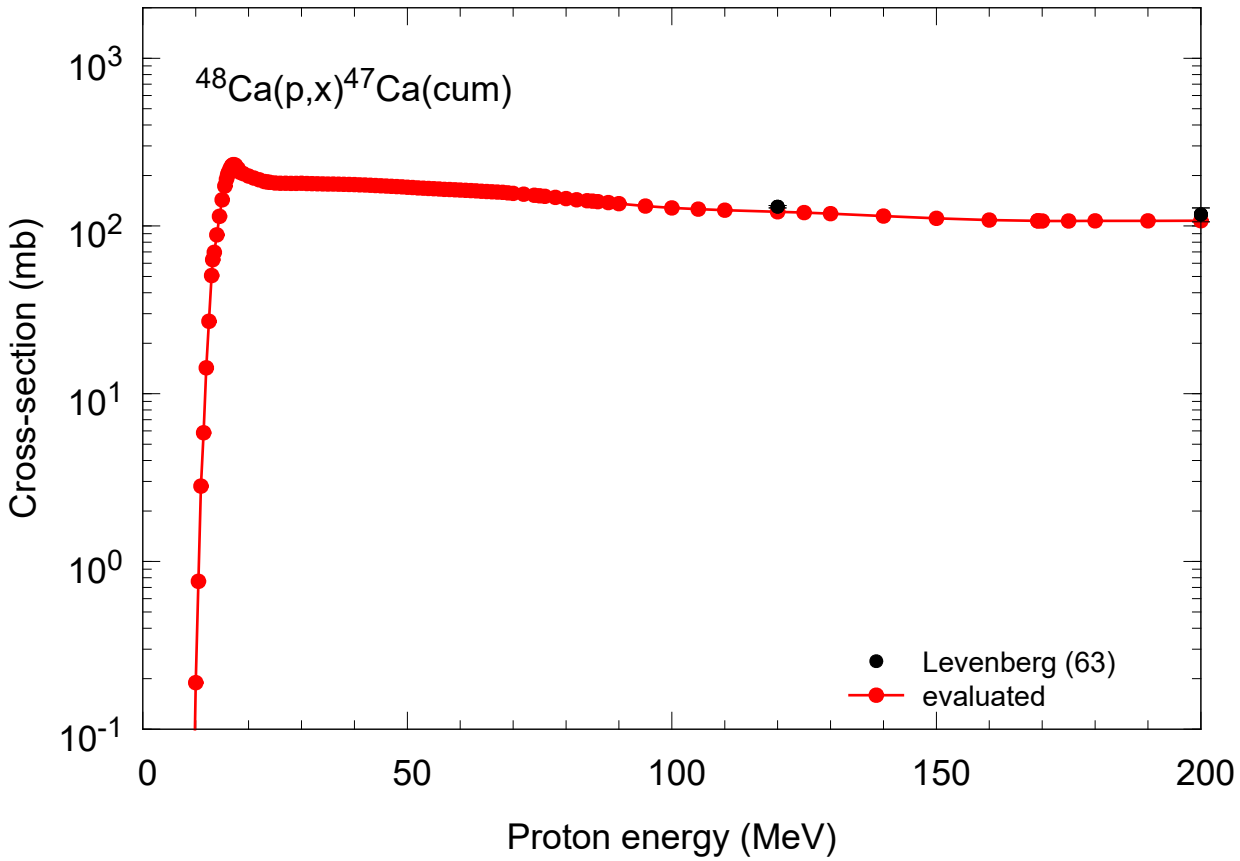

^{48}Ca(p,x)^{2}H
Reference data
evaluated
Reference data
Cross-section (mb)
Proton energy (MeV)
0
20
40
60
80
100
120
140
160
180
200

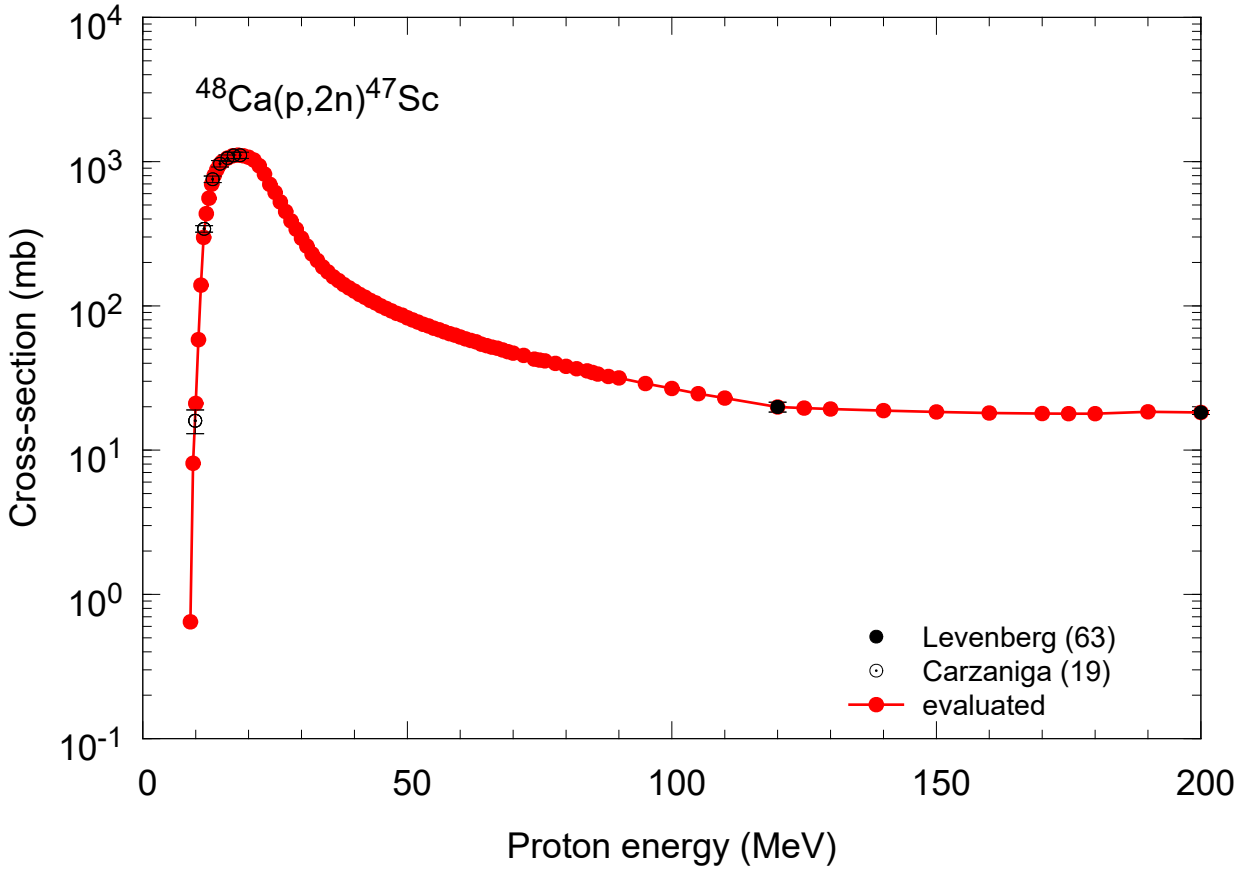

^{48}Ca(p,x)^{3}H
Reference data
evaluated
Cross-section (mb)
Proton energy (MeV)
0
10
20
30
40
50
60
70
80
100
120
140
160
180
200

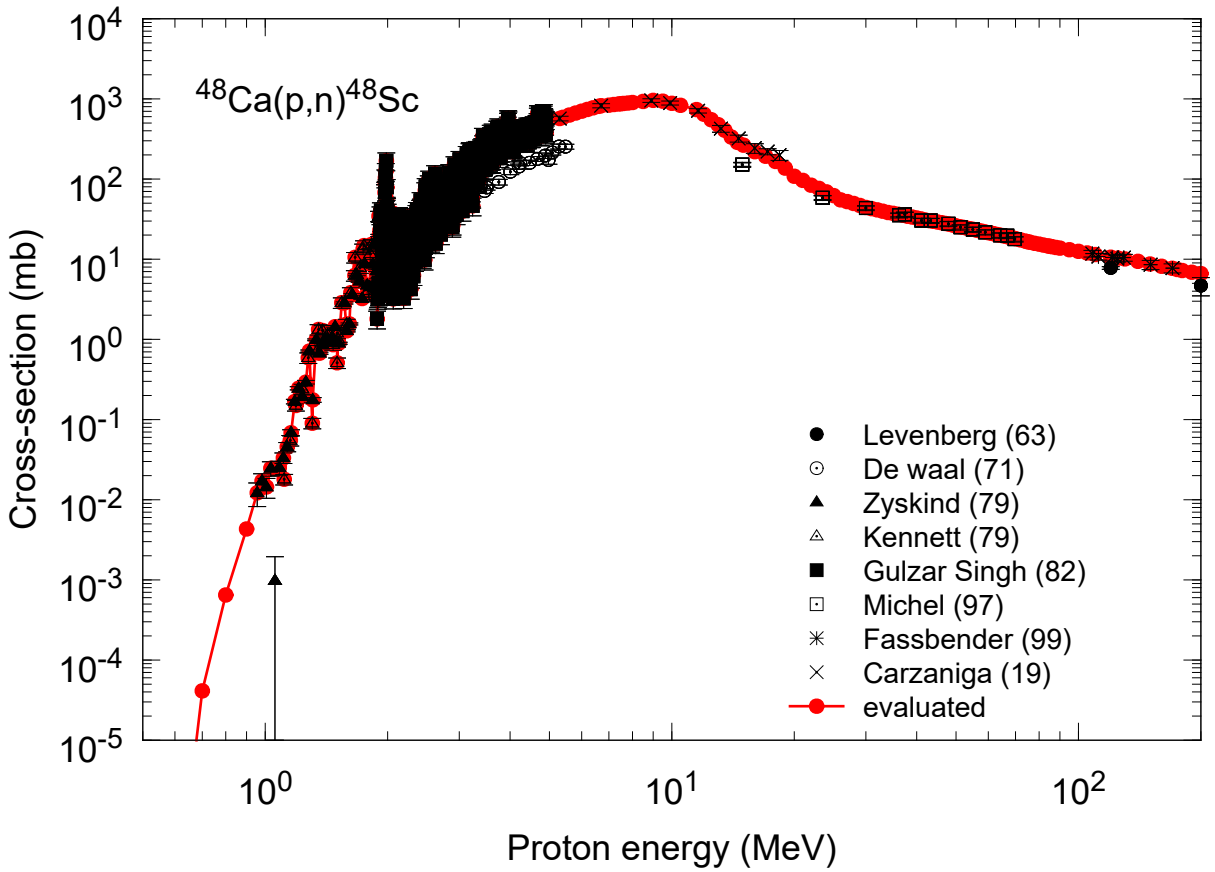

^{48}Ca(p,x)^{3}He
Reference data
evaluated
Cross-section (mb)
Proton energy (MeV)
0
2
4
6
8
10
12
0
20
40
60
80
100
120
140
160
180
200

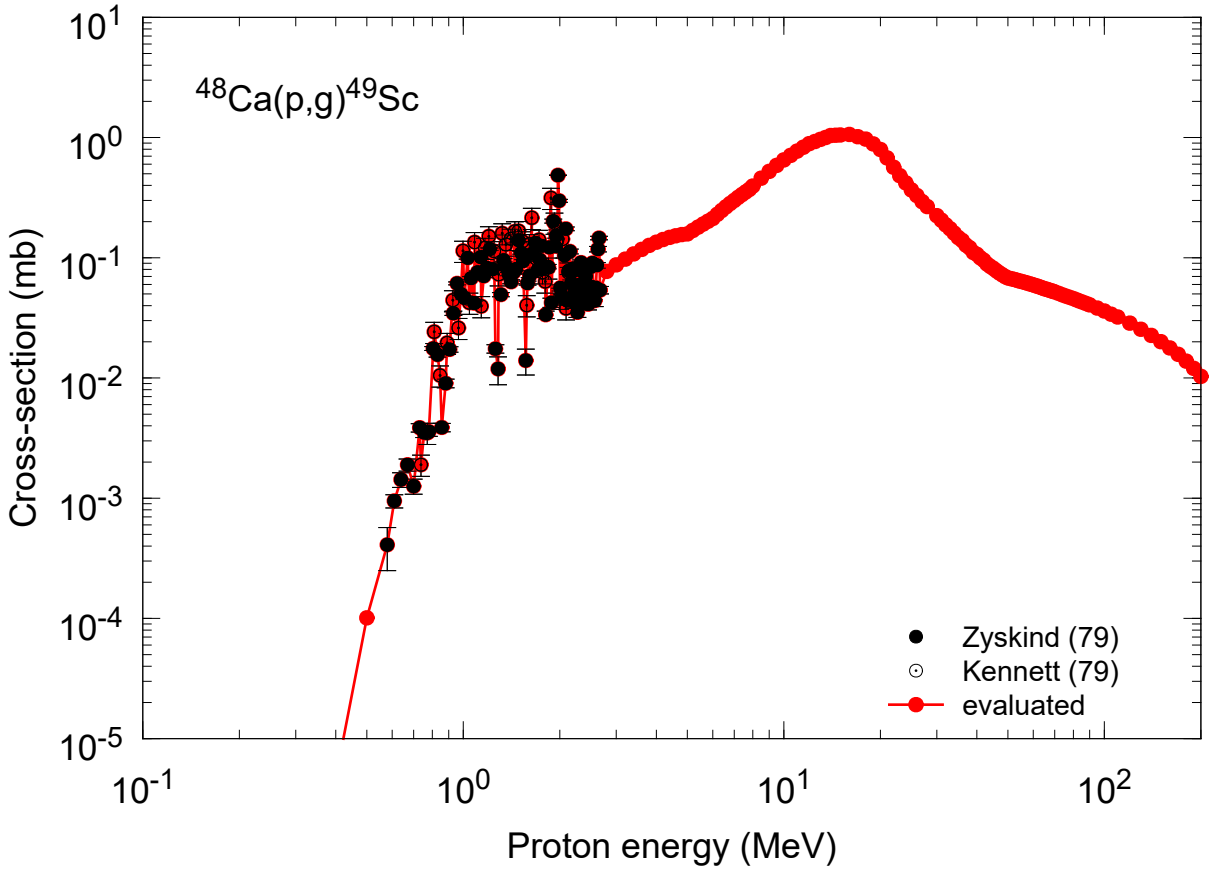

^{48}Ca(p,x)^{4}He
Reference data
evaluated
Cross-section (mb)
Proton energy (MeV)
0
20
40
60
80
100
120
140
160
180
0
20
40
60
80
100
120
140
160
180
200


^{48}Ca(p,x)^{47}Ca
Cross-section (mb)
Proton energy (MeV)
Carzaniga (19)
evaluated
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
0
50
100
150
200


^{48}Ca(p,x)^{47}Ca(cum)
Cross-section (mb)
Proton energy (MeV)
Levenberg (63)
evaluated
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
0
50
100
150
200


^{48}Ca(p,2n)^{47}Sc
Cross-section (mb)
Proton energy (MeV)
Levenberg (63)
Carzaniga (19)
evaluated


^{48}Ca(p,n)^{48}Sc
Cross-section (mb)
Proton energy (MeV)
Levenberg (63)
De waal (71)
Zyskind (79)
Kennett (79)
Gulzar Singh (82)
Michel (97)
Fassbender (99)
Carzaniga (19)
evaluated


^{48}Ca(p,g)^{49}Sc
Cross-section (mb)
Proton energy (MeV)
Zyskind (79)
Kennett (79)
evaluated
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-1}
10^{0}
10^{1}
10^{2}