Program EVALPLOT
(Version 2018-1)
by
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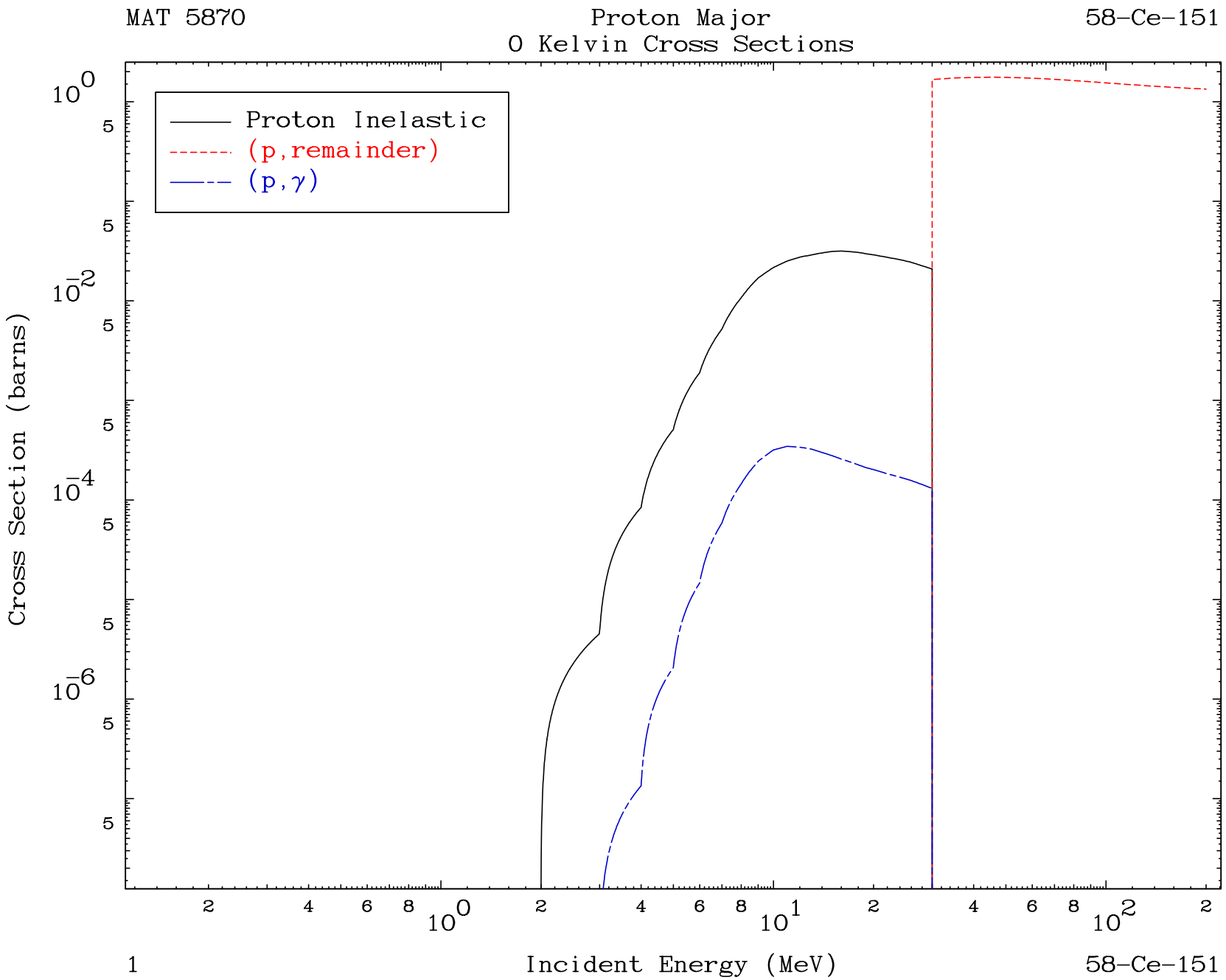
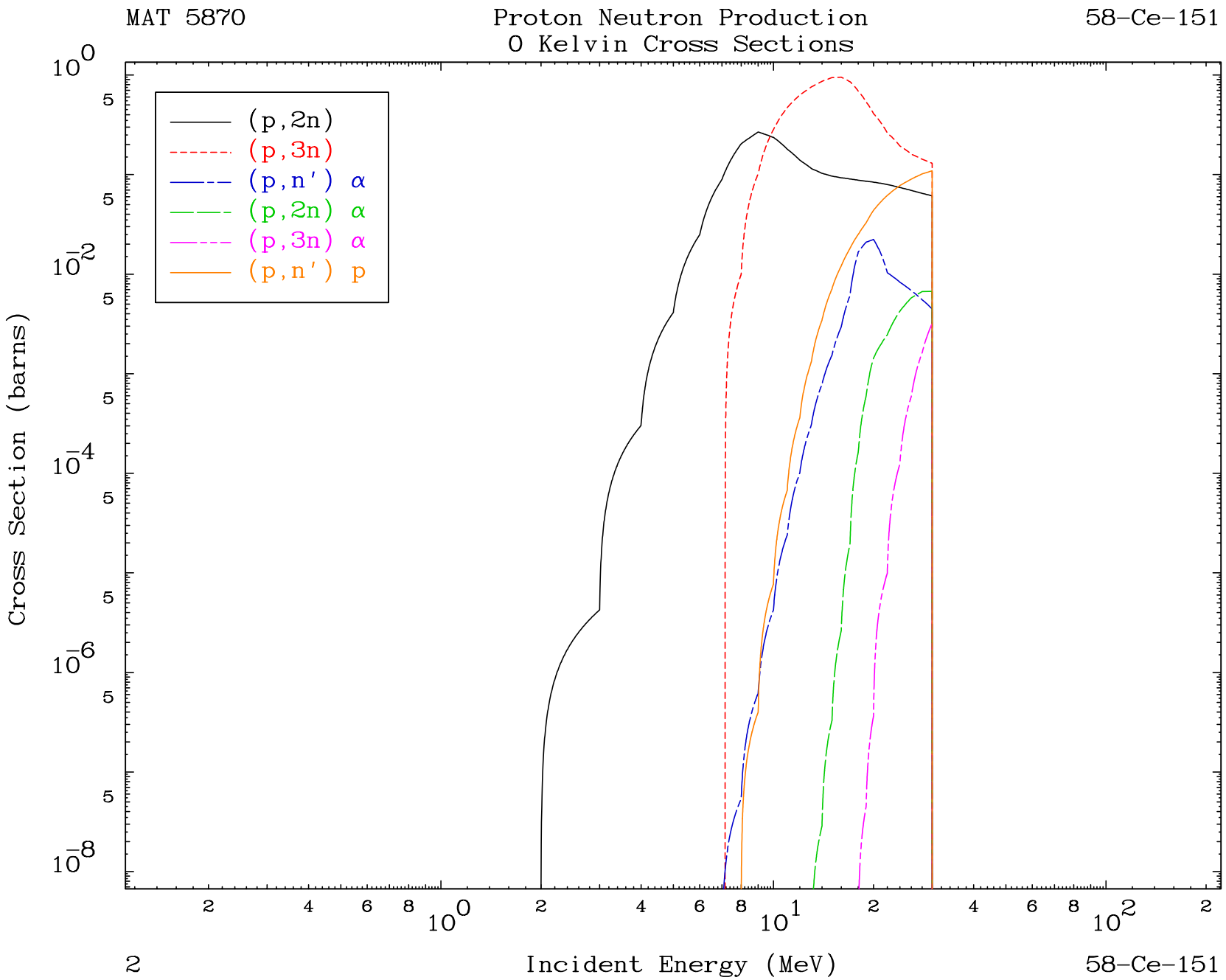
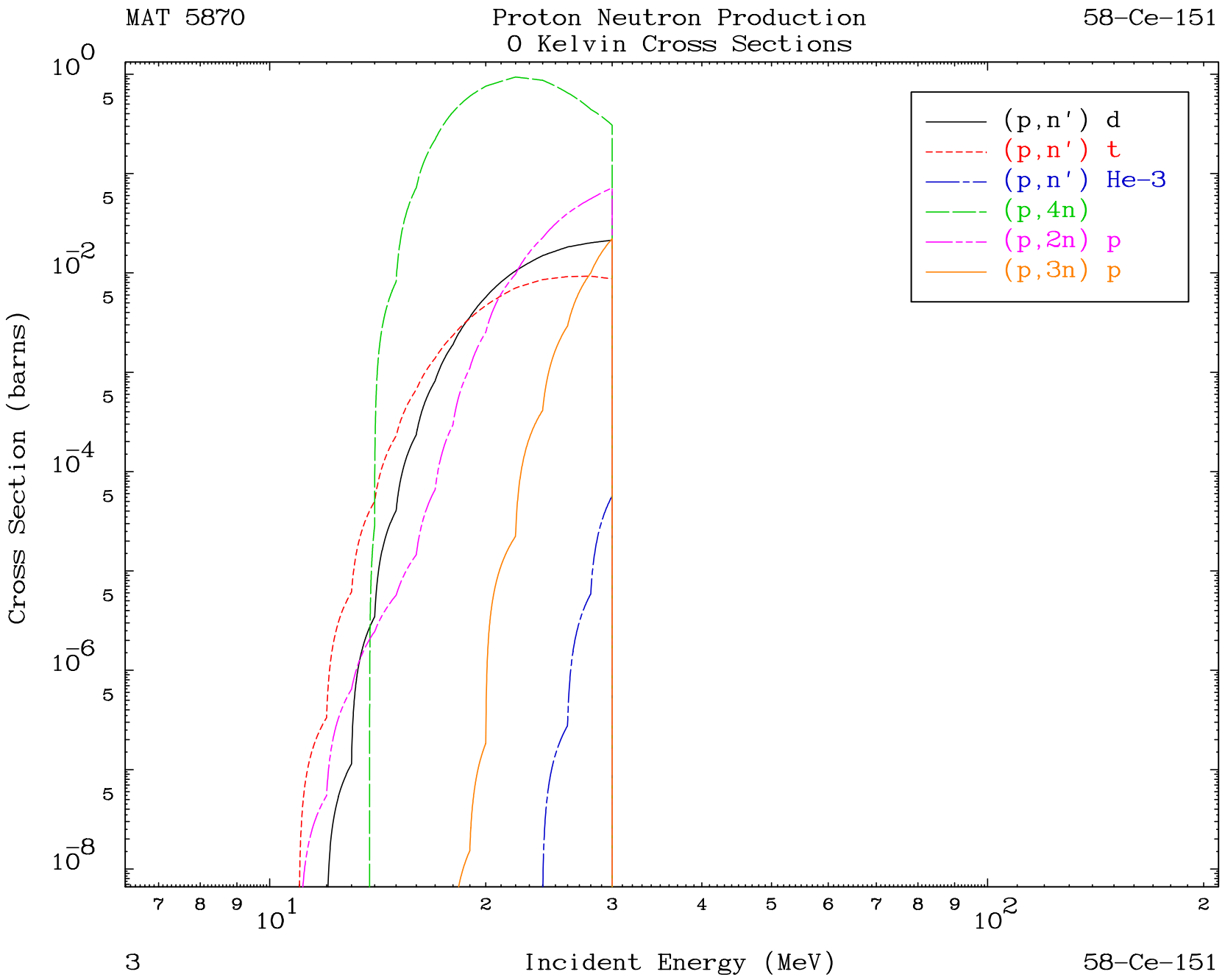
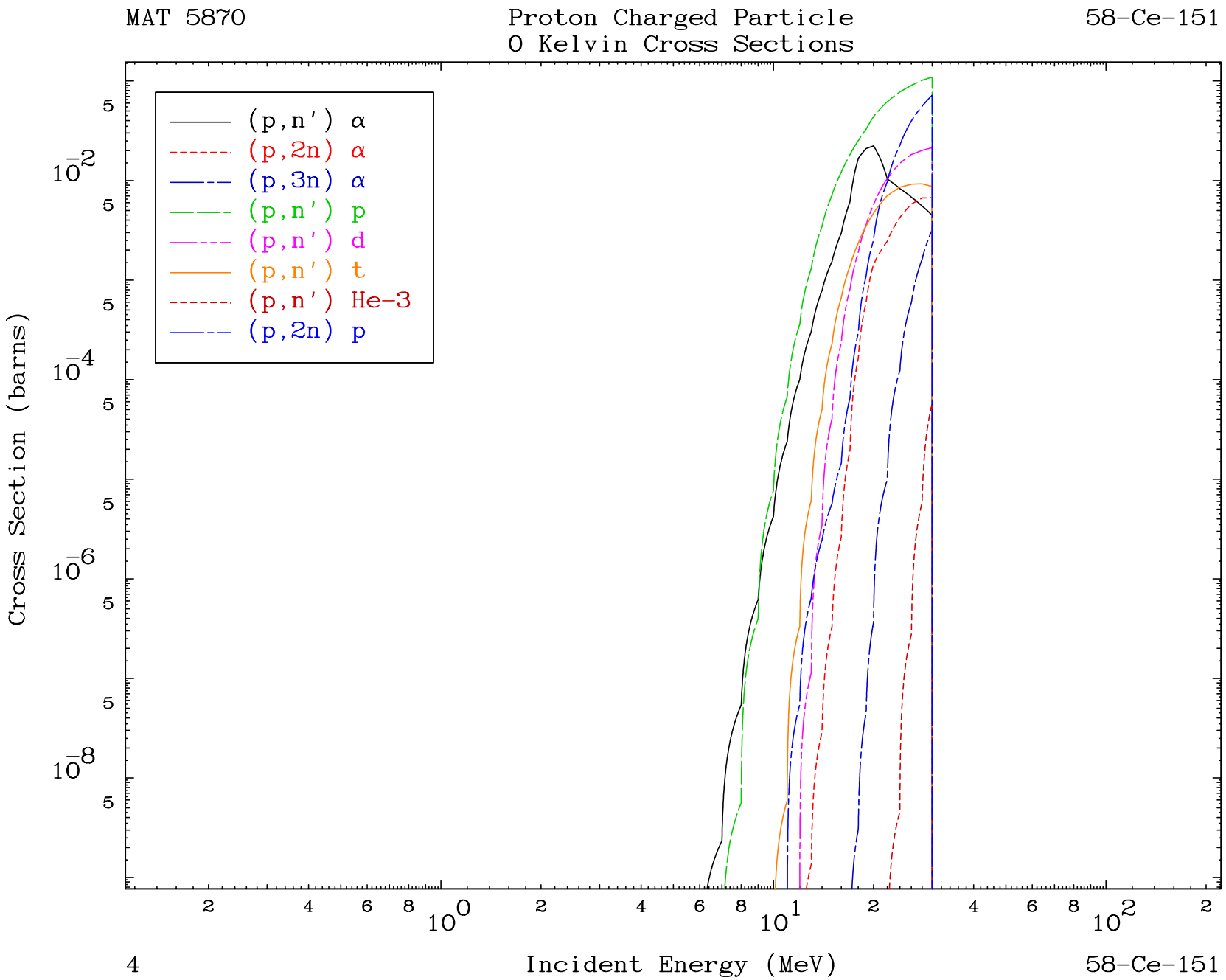
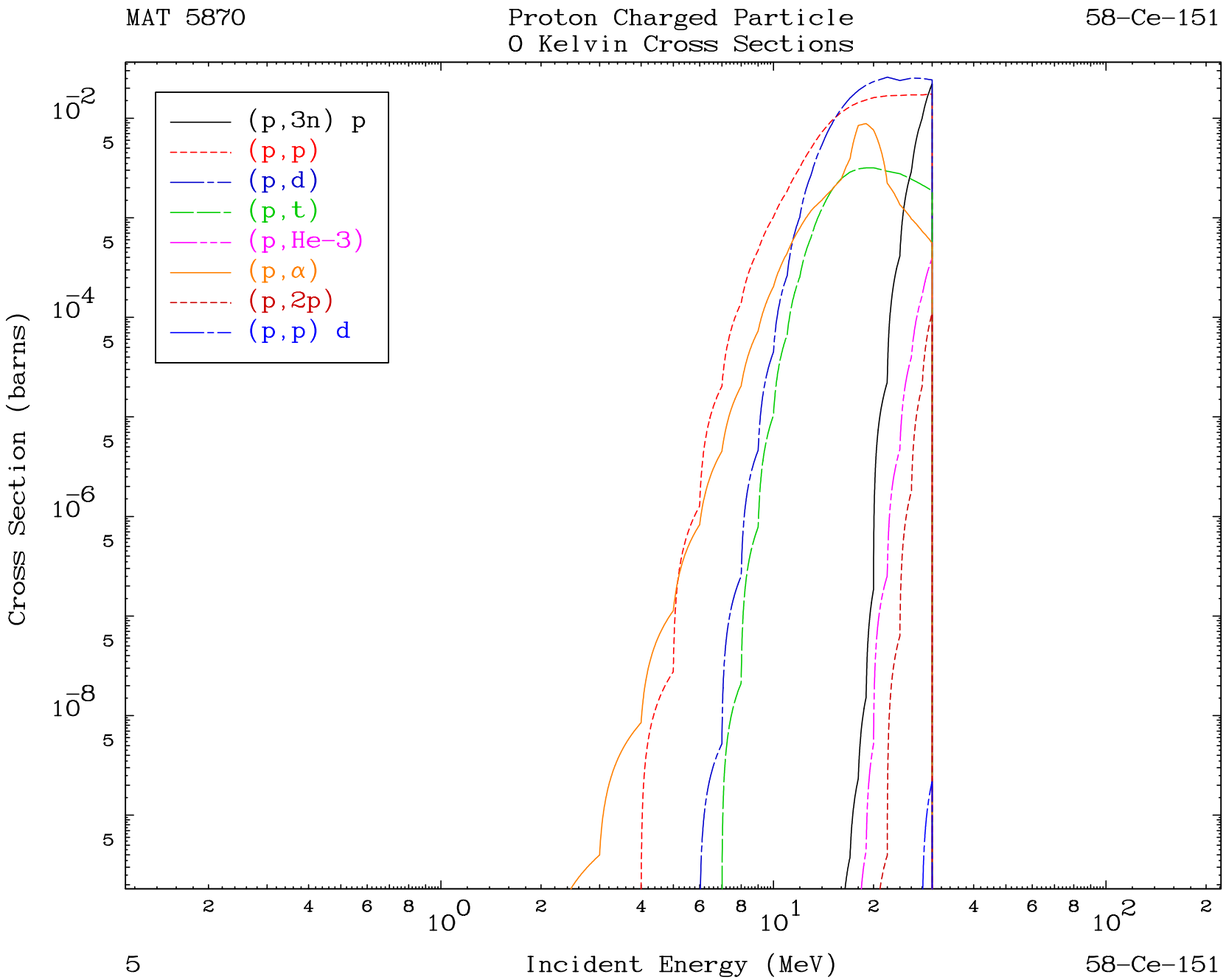
Press Mouse Button to Start

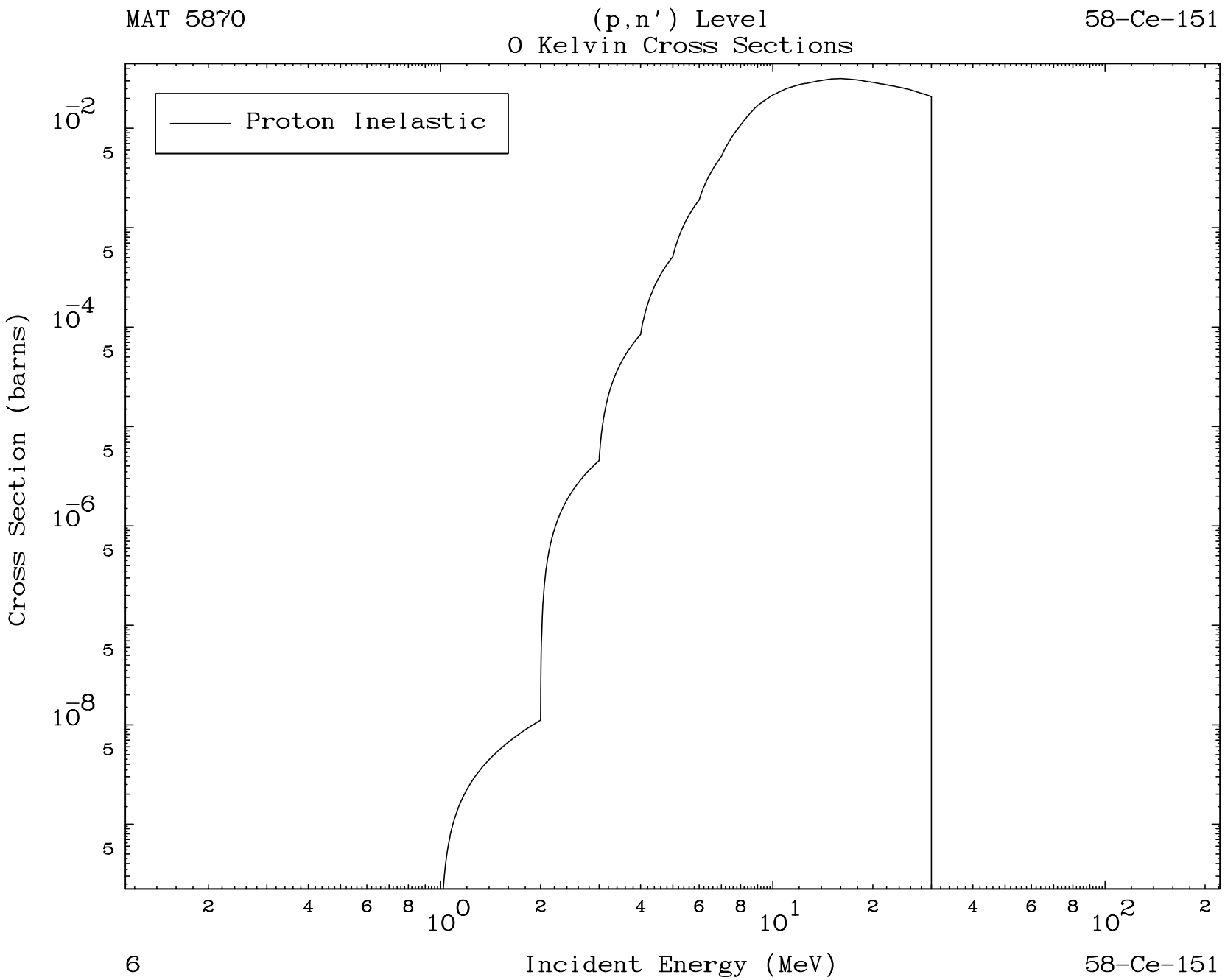

MAT 5870
Proton Major
58-Ce-151
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-151
1

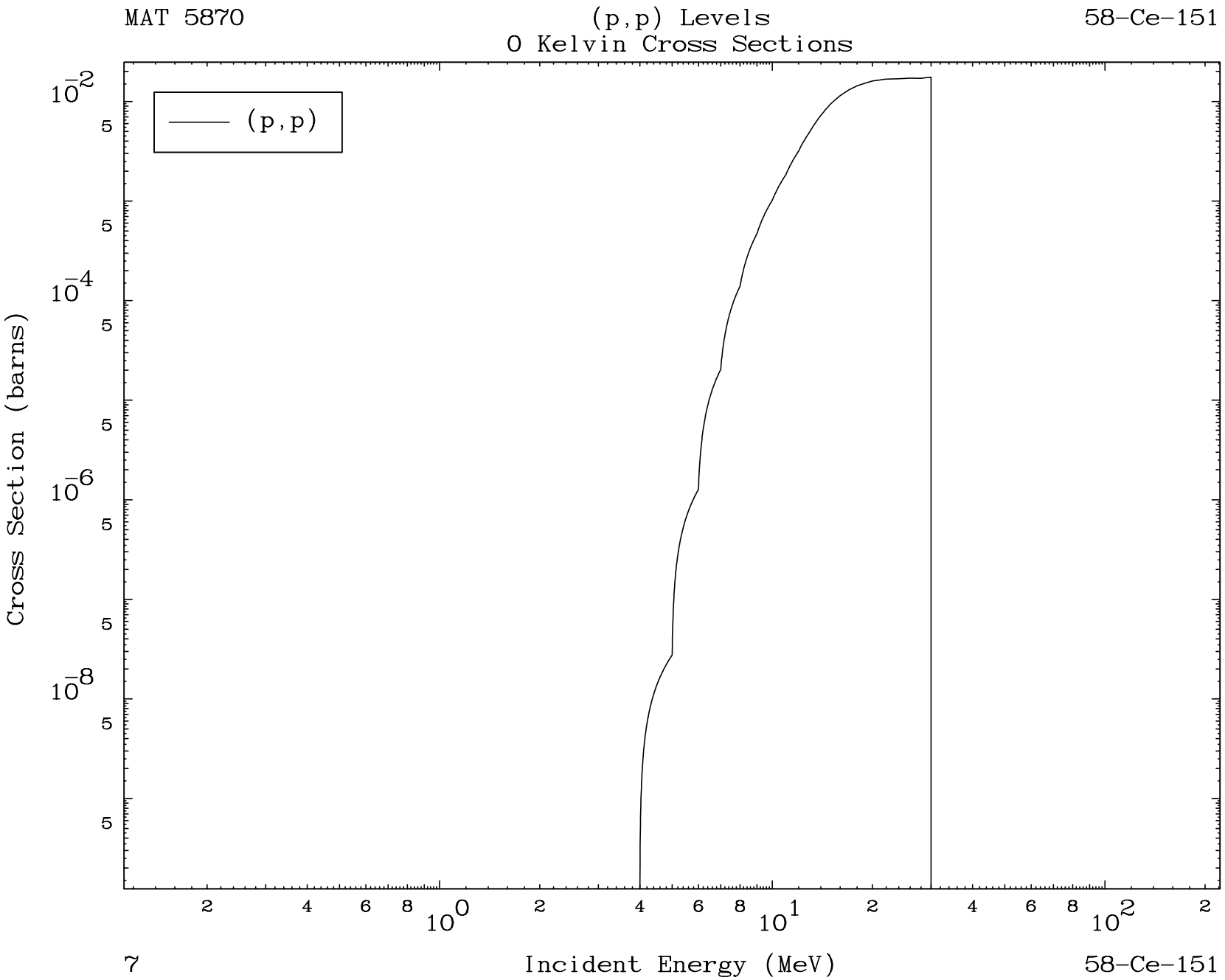

MAT 5870
Proton Neutron Production
0 Kelvin Cross Sections
58-Ce-151
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
Cross Section (barns)
Incident Energy (MeV)
58-Ce-151
2

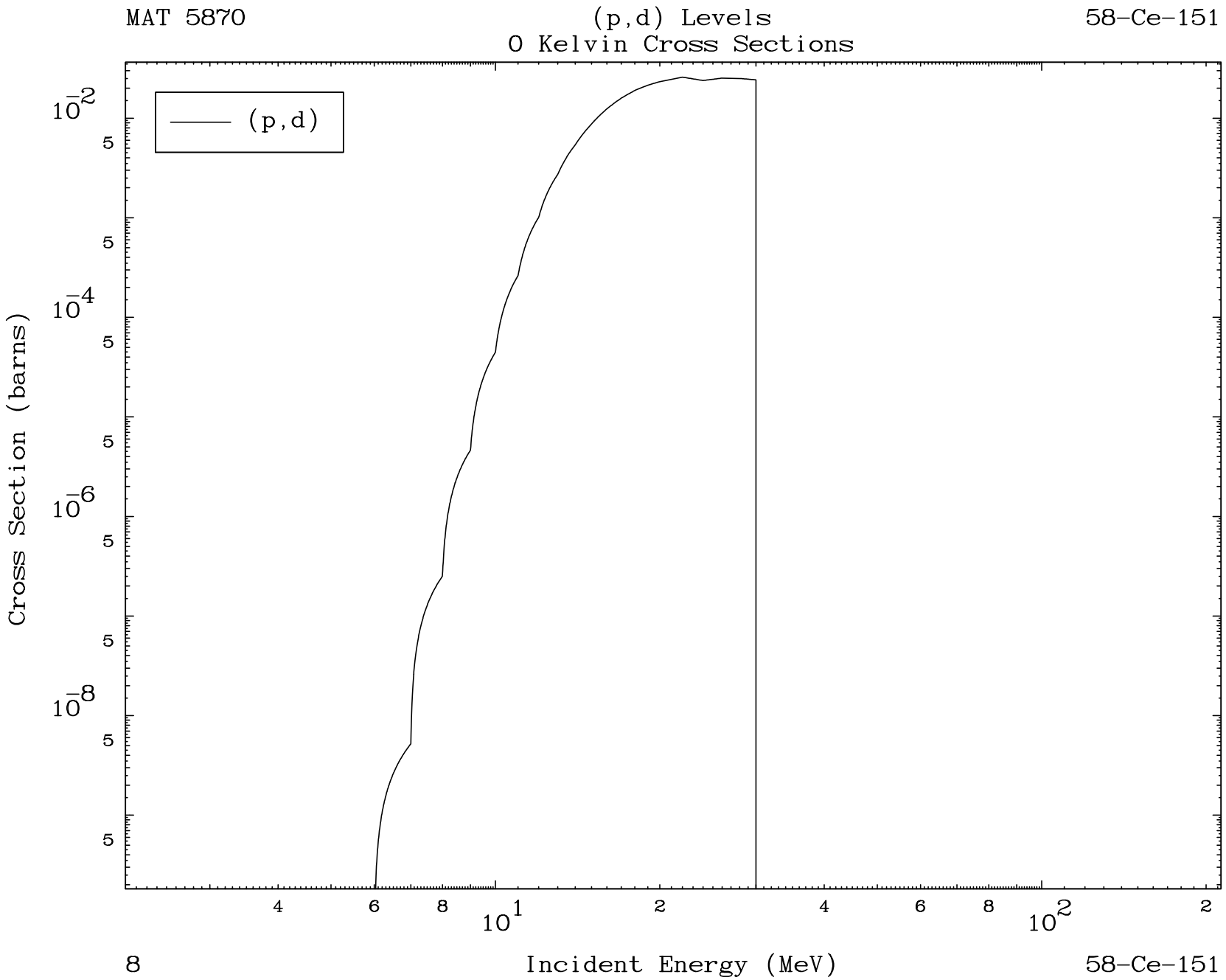

MAT 5870
Proton Neutron Production
0 Kelvin Cross Sections
58-Ce-151
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
58-Ce-151

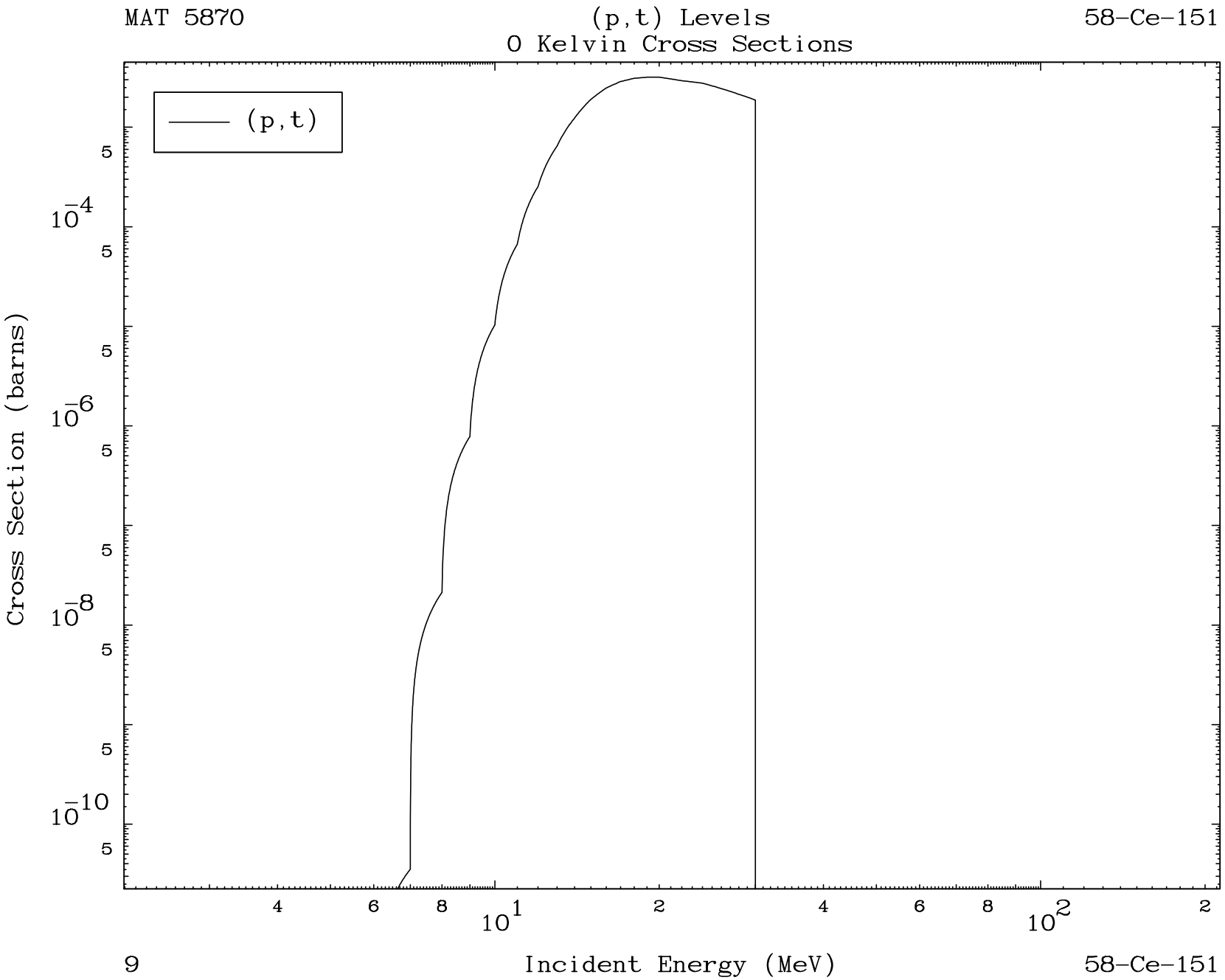

MAT 5870
Proton Charged Particle
0 Kelvin Cross Sections
58-Ce-151
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
58-Ce-151

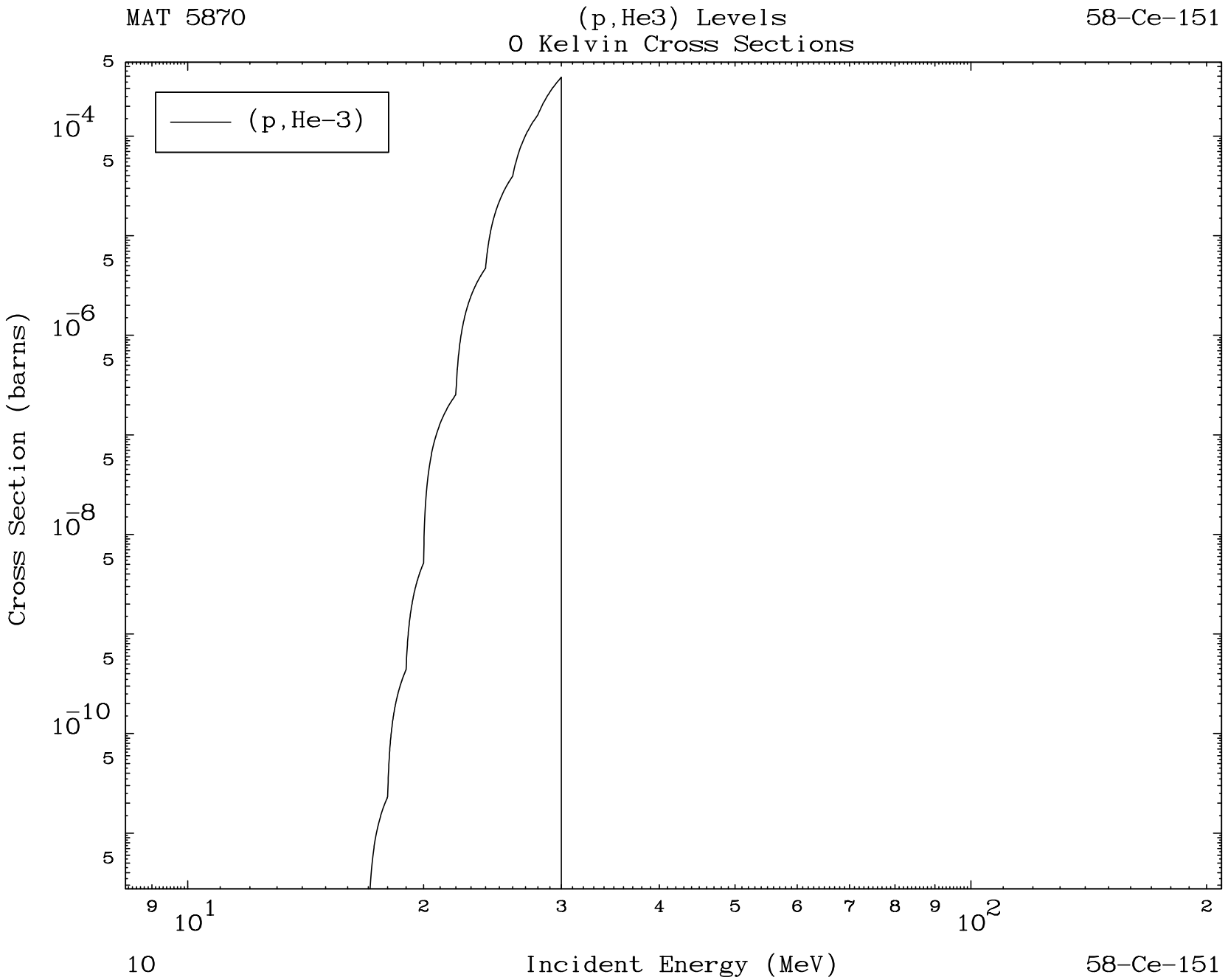

MAT 5870
Proton Charged Particle
0 Kelvin Cross Sections
58-Ce-151
(p,3n) p
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2p)
(p,p) d
Cross Section (barns)
Incident Energy (MeV)
58-Ce-151
5

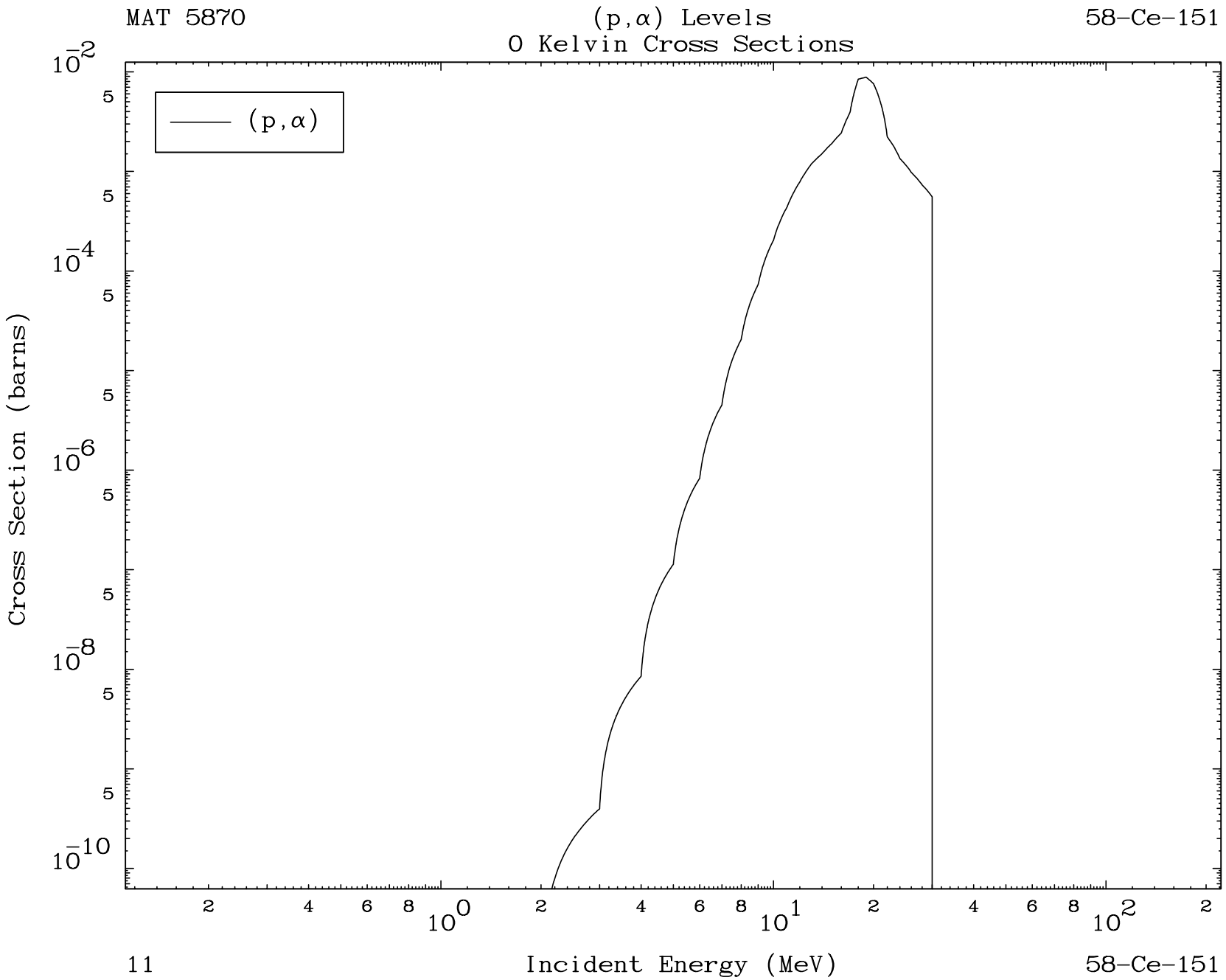

MAT 5870
(p,n') Level
58-Ce-151
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
6
58-Ce-151

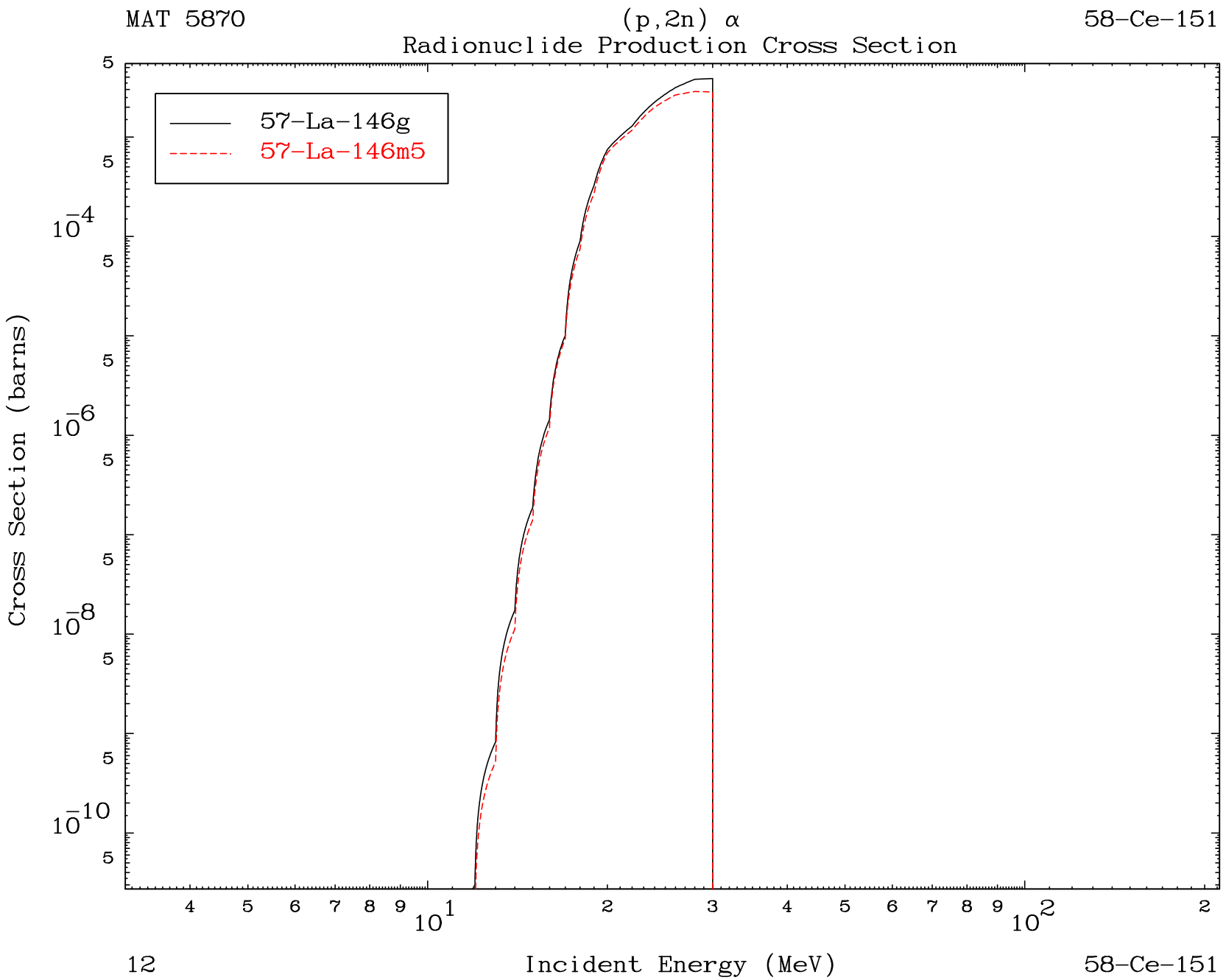

MAT 5870
(p,p) Levels
58-Ce-151
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
58-Ce-151

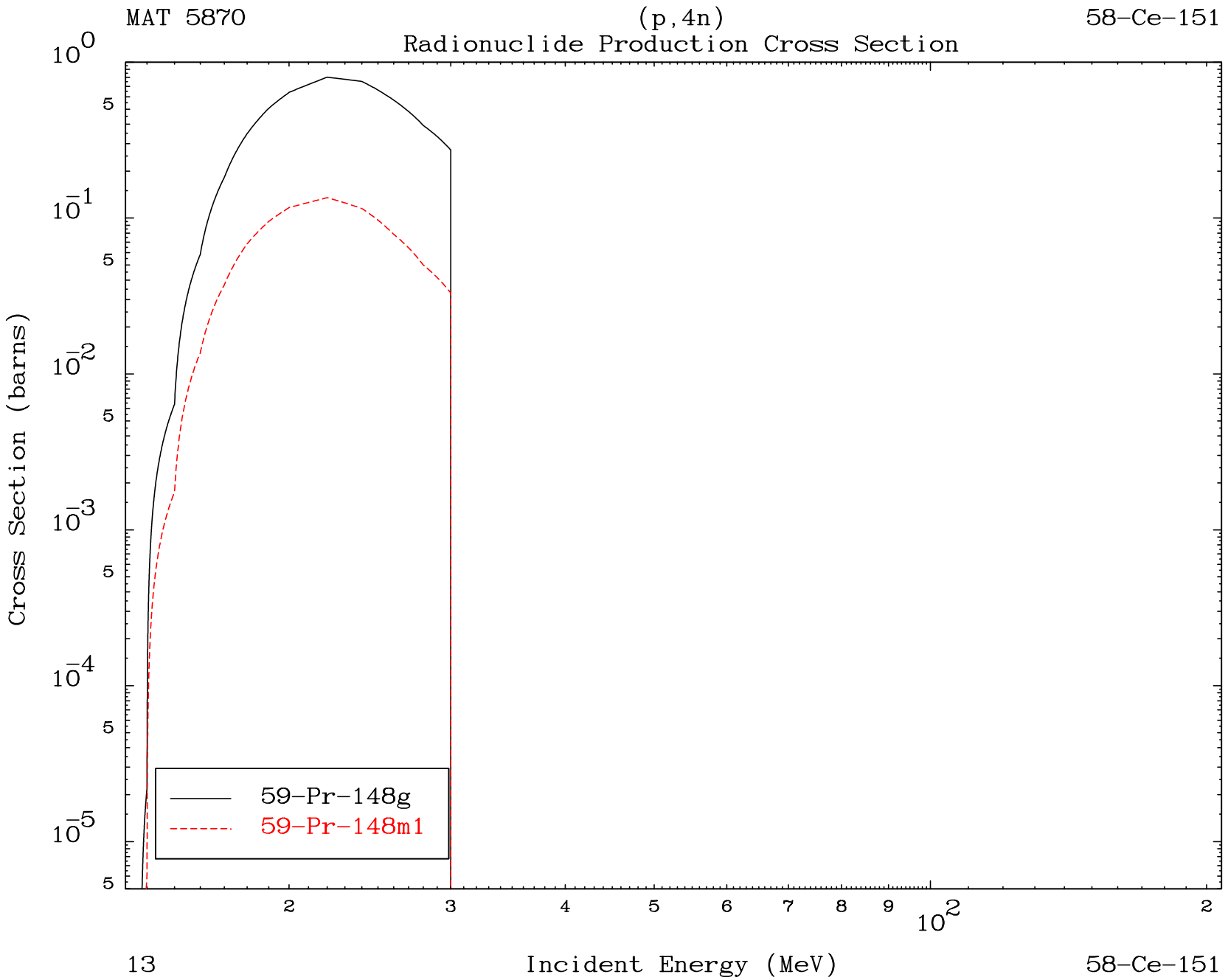

MAT 5870
(p,d) Levels
58-Ce-151
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
Incident Energy (MeV)
8
58-Ce-151


MAT 5870
(p,t) Levels
58-Ce-151
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
4
6
8
10^1
2
10^2
9
Incident Energy (MeV)
58-Ce-151


MAT 5870
(p,He3) Levels
58-Ce-151
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-151


MAT 5870
(p,α) Levels
58-Ce-151
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
58-Ce-151


MAT 5870
(p,2n) α
58-Ce-151
Radionuclide Production Cross Section
57-La-146g
57-La-146m5
Cross Section (barns)
Incident Energy (MeV)
12
58-Ce-151


MAT 5870
(p,4n)
58-Ce-151
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
59-Pr-148g
59-Pr-148m1
13
58-Ce-151