Program EVALPLOT
(Version 2021-1)
by
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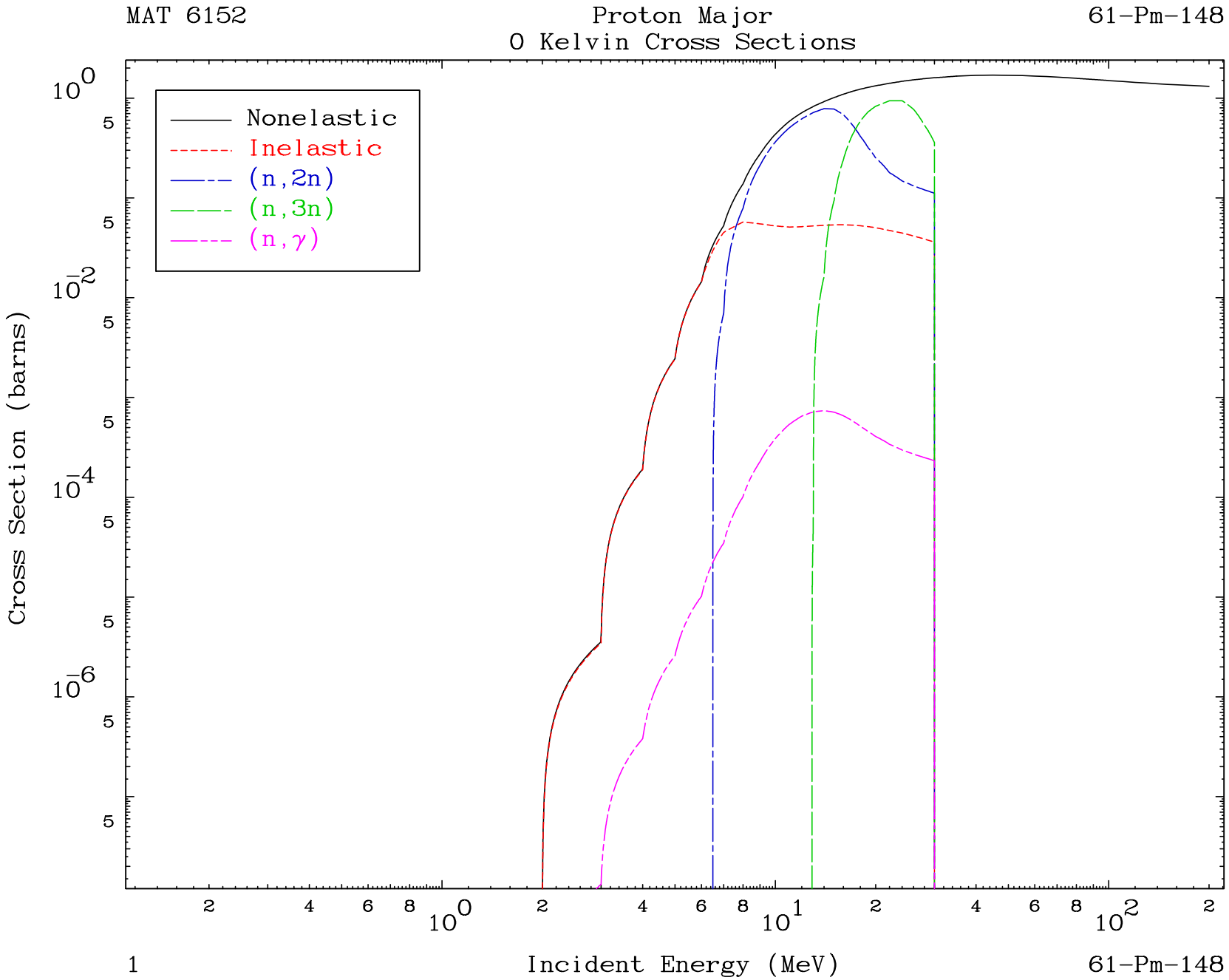
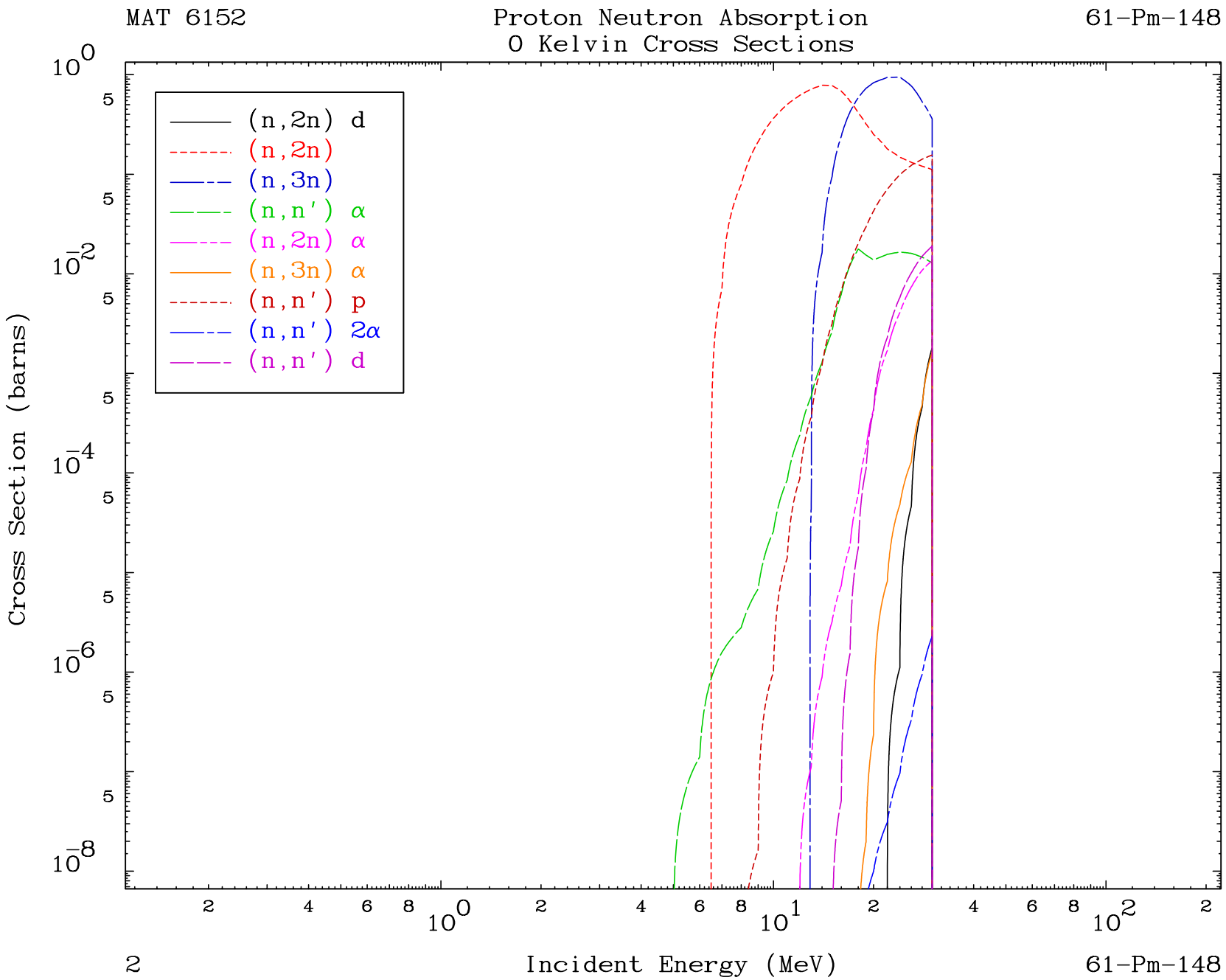
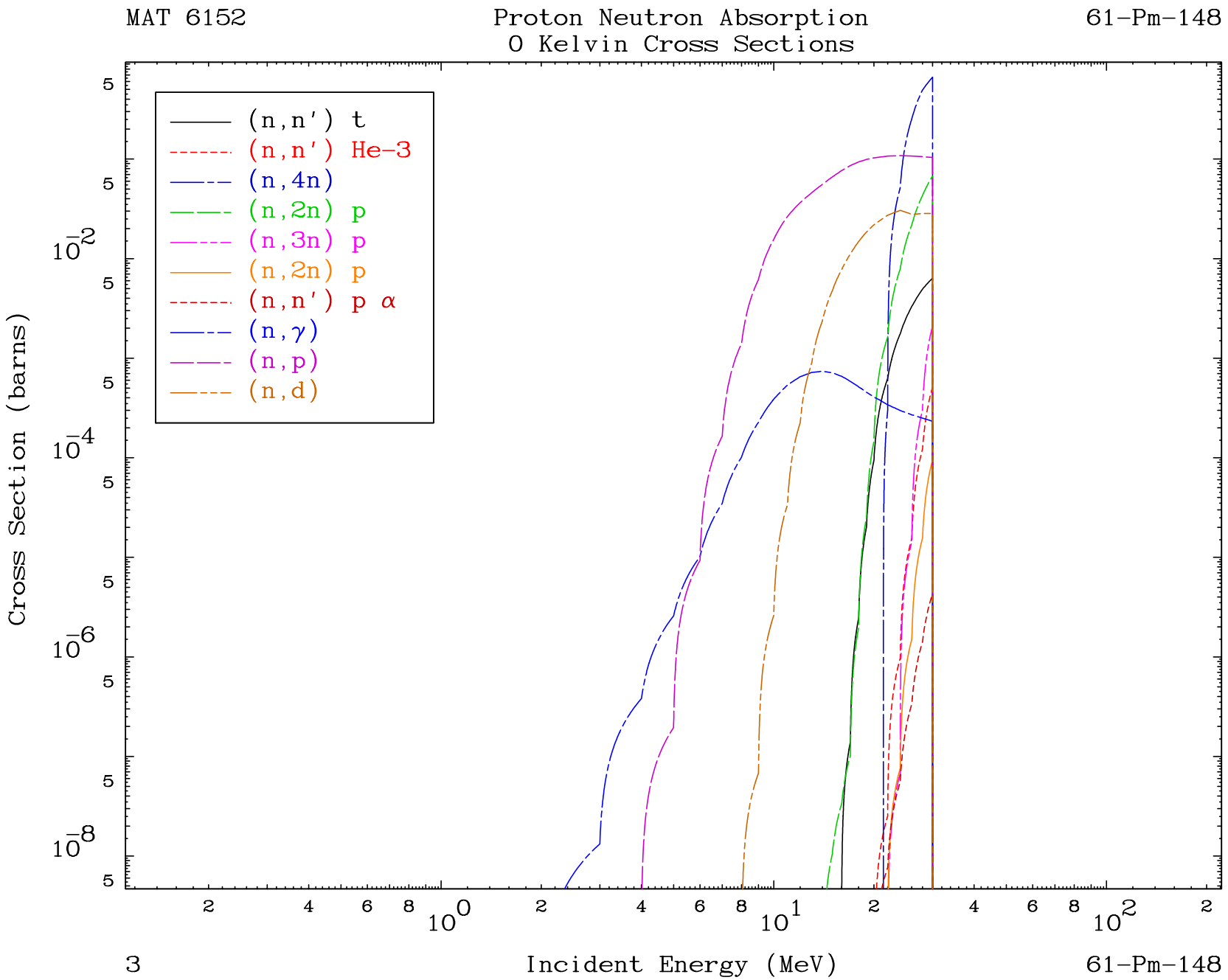
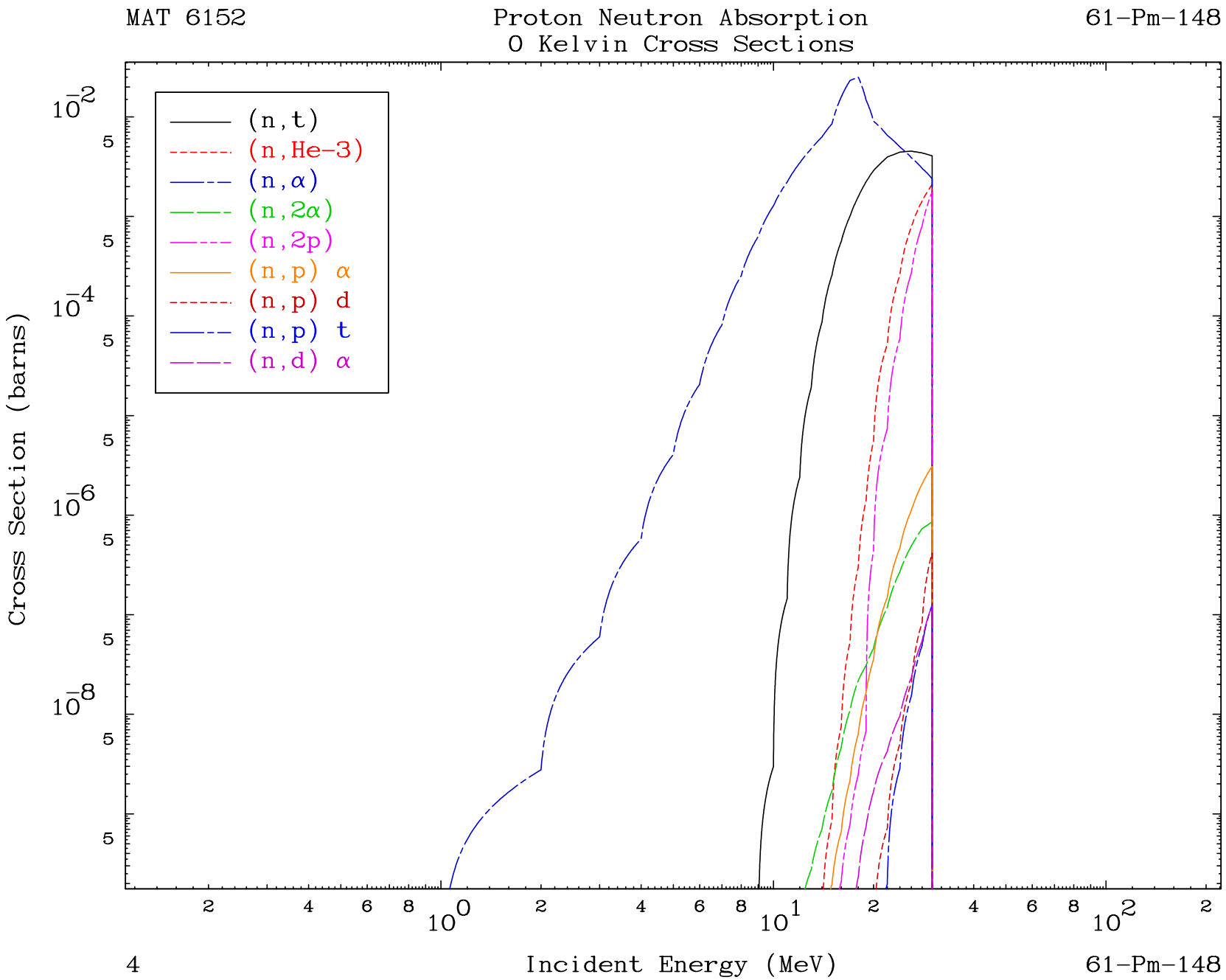
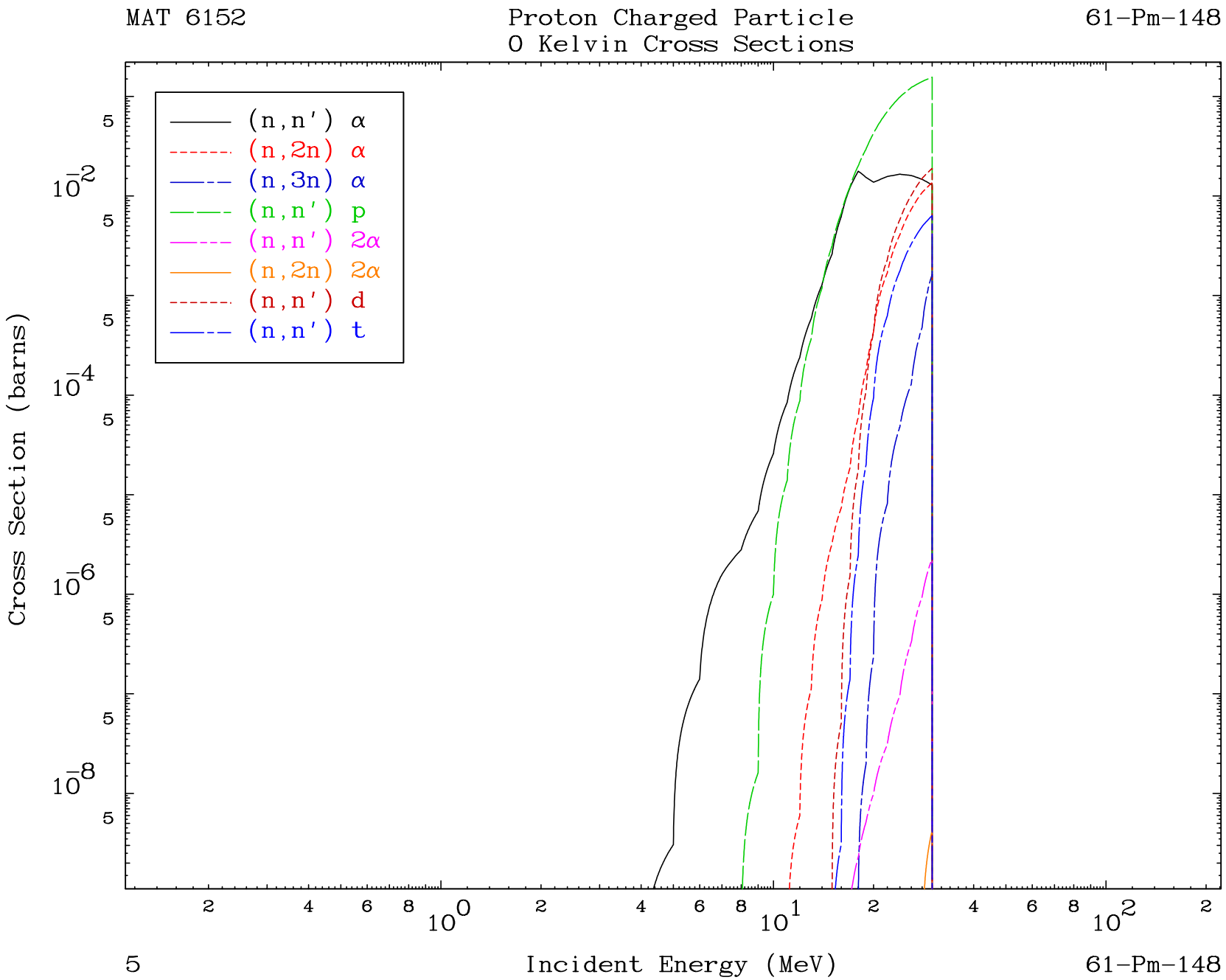
Press Mouse Button to Start

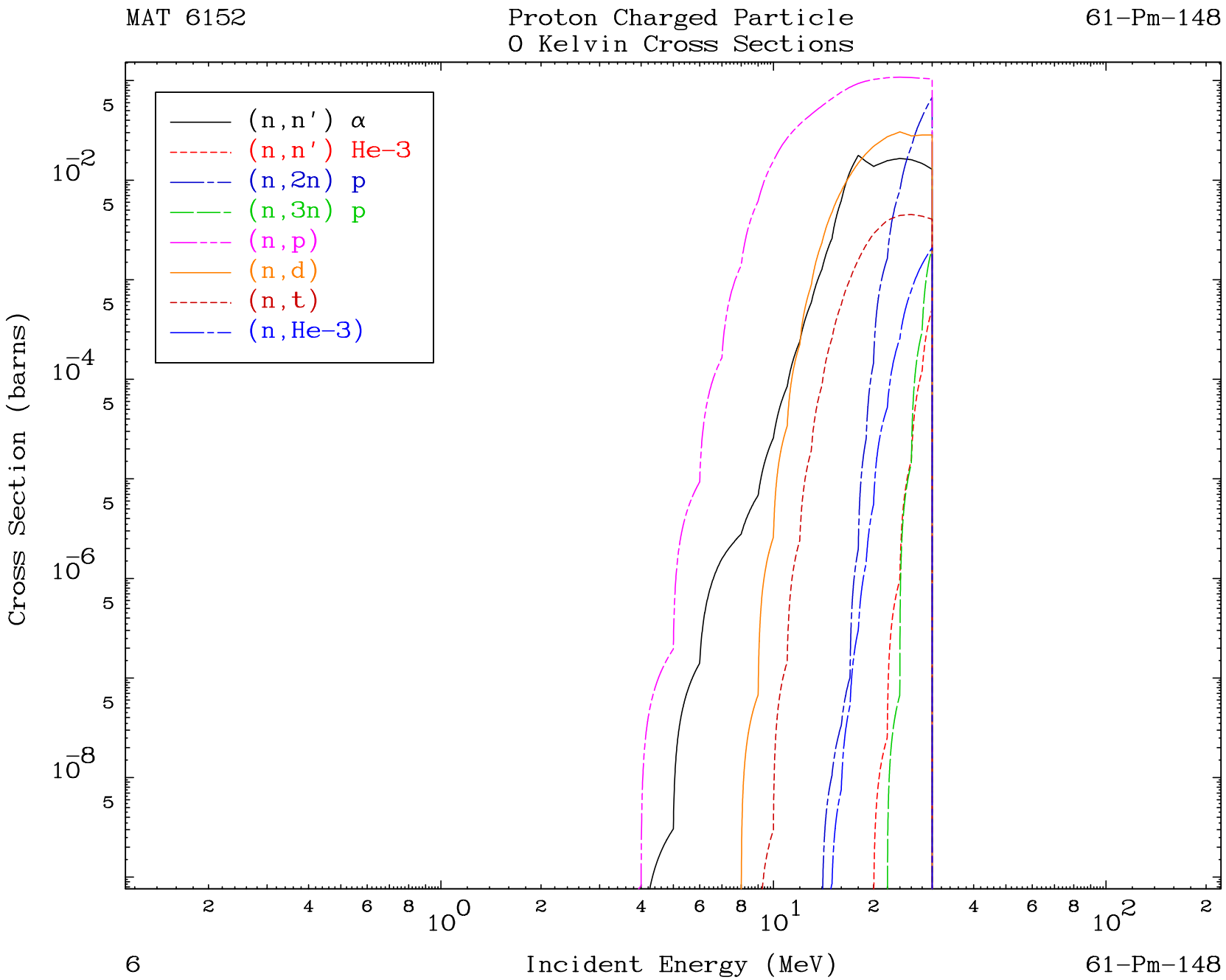

MAT 6152
Proton Major
61-Pm-148
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
61-Pm-148

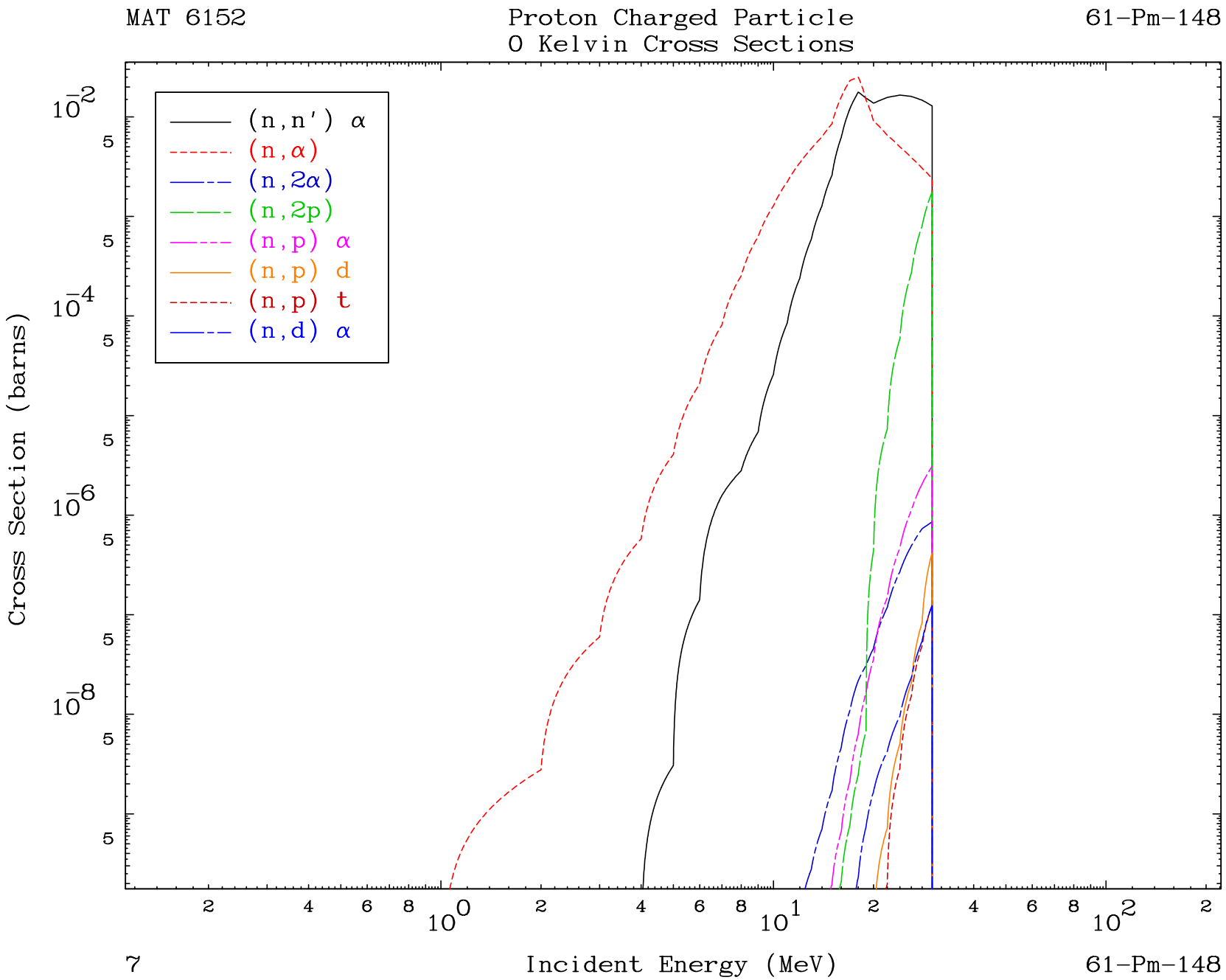

MAT 6152
Proton Neutron Absorption
0 Kelvin Cross Sections
61-Pm-148
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
61-Pm-148

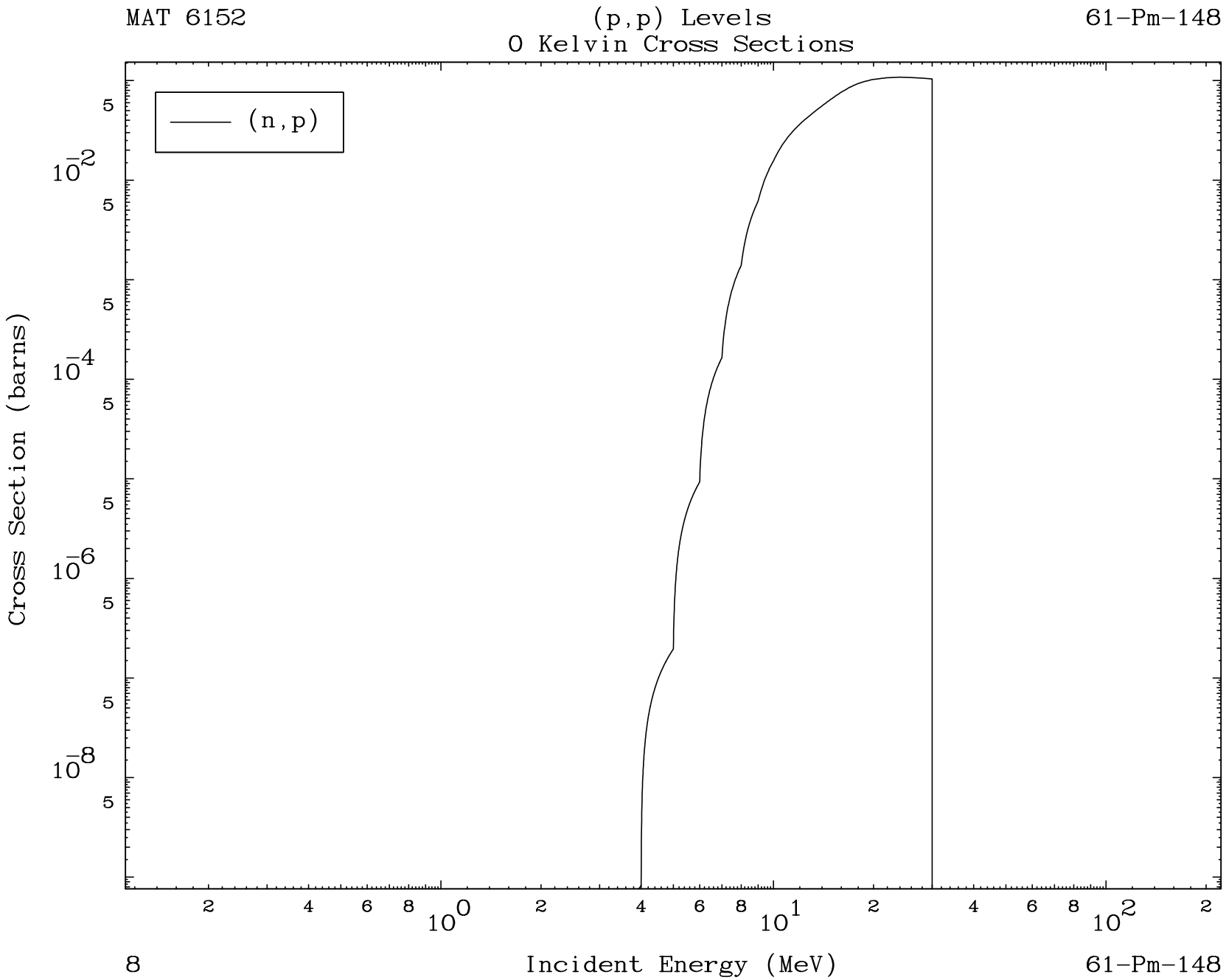

MAT 6152
Proton Neutron Absorption
0 Kelvin Cross Sections
61-Pm-148
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
61-Pm-148

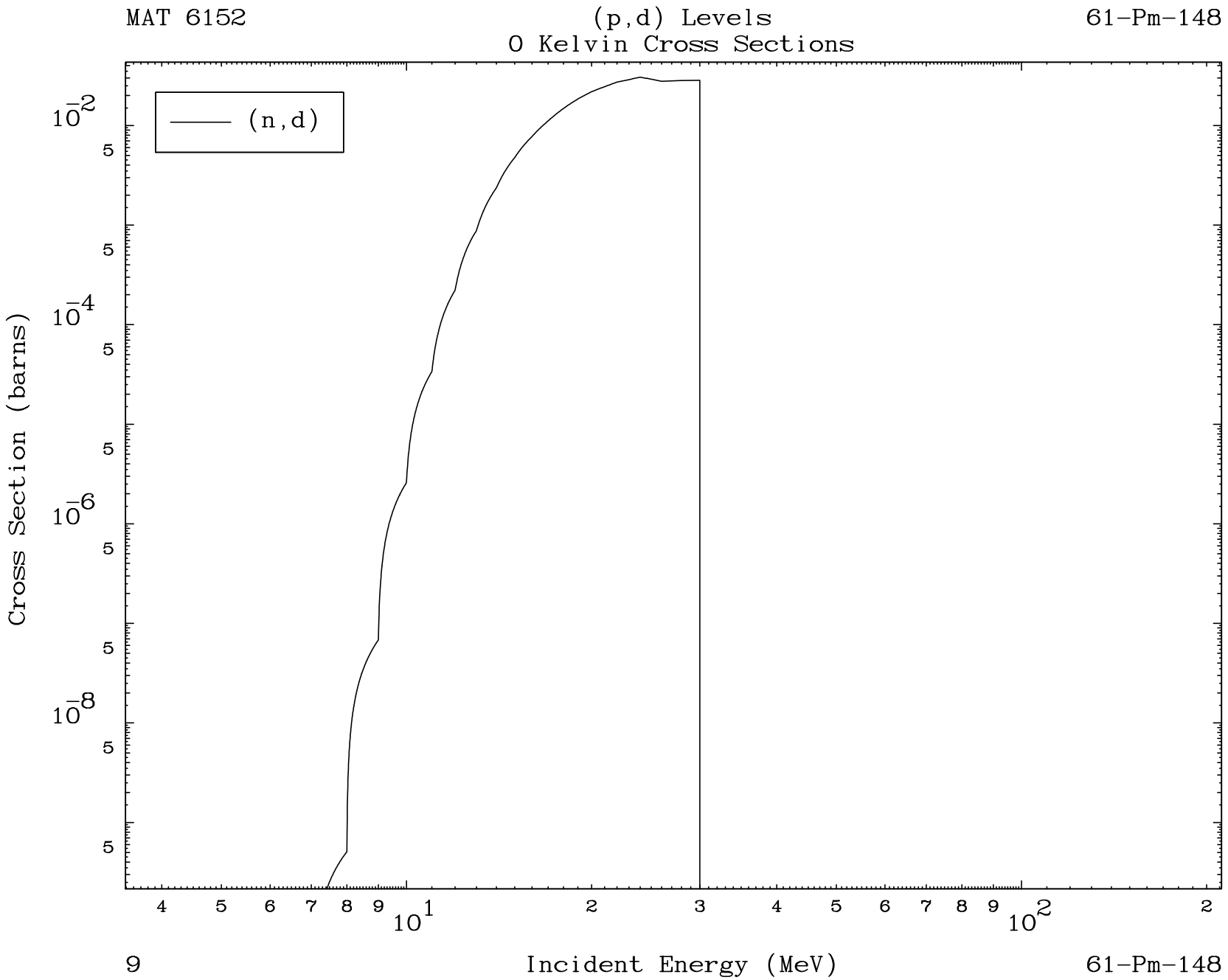

MAT 6152
Proton Neutron Absorption
0 Kelvin Cross Sections
61-Pm-148
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
61-Pm-148

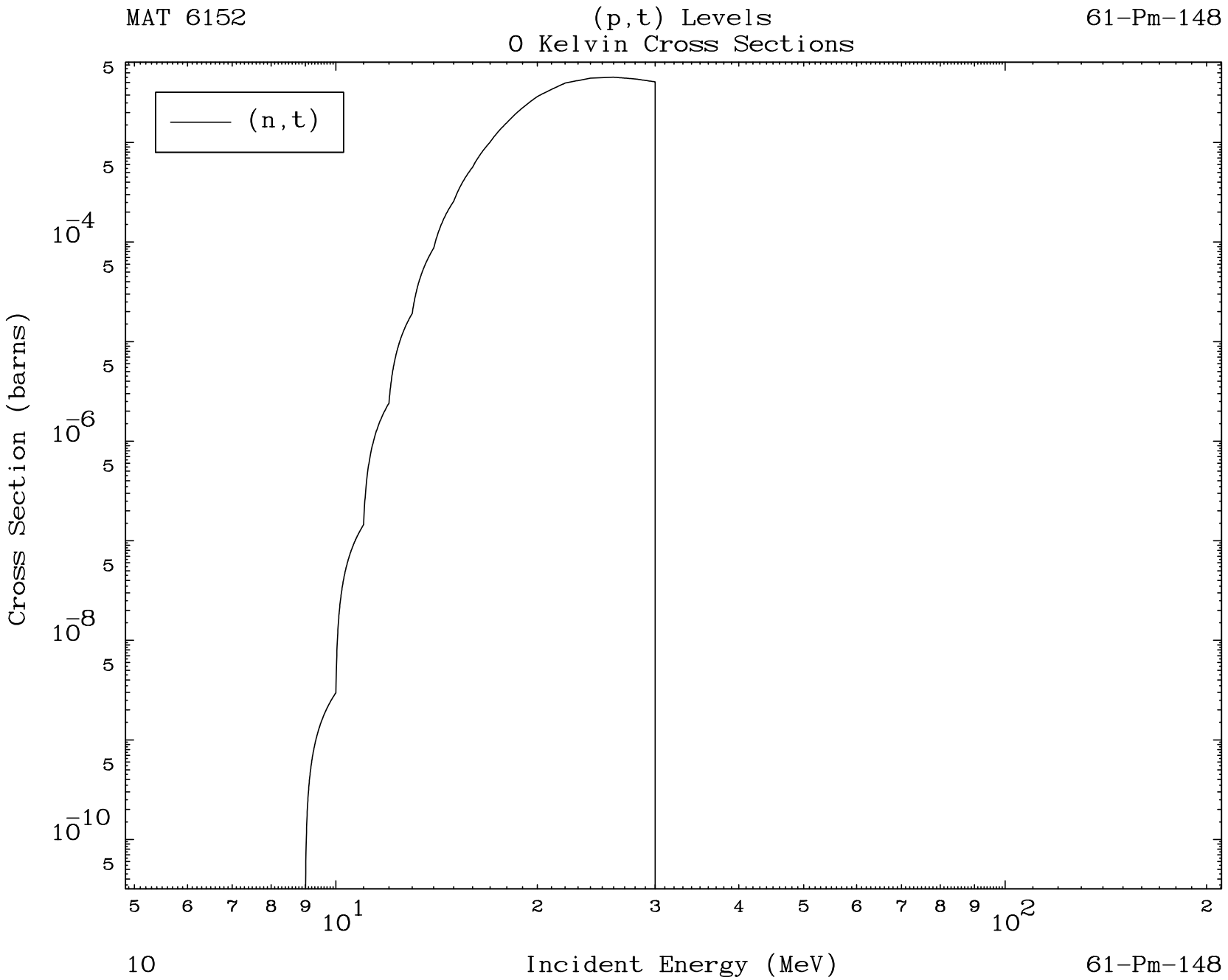

MAT 6152
Proton Charged Particle
0 Kelvin Cross Sections
61-Pm-148
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
5
61-Pm-148

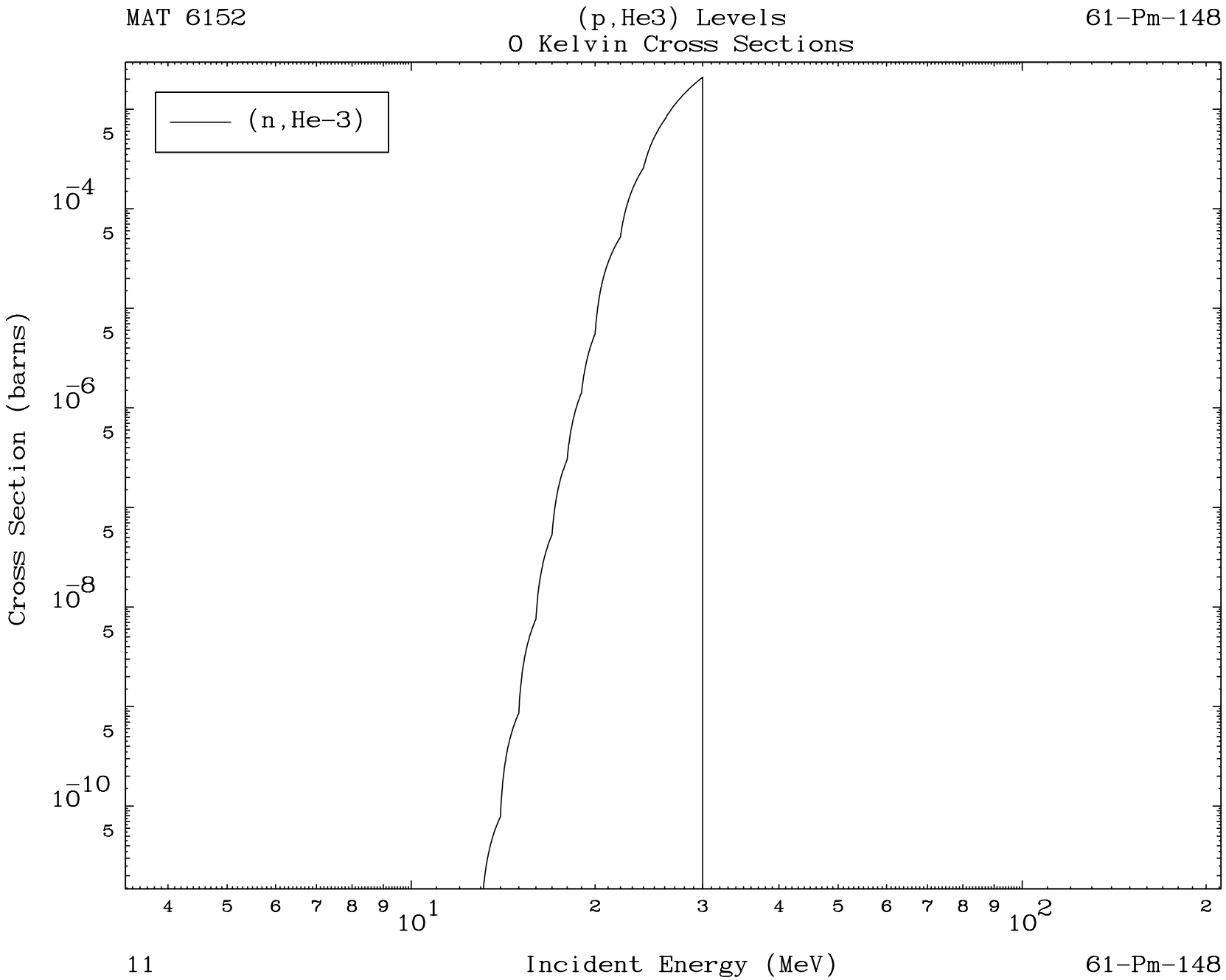

MAT 6152
Proton Charged Particle
0 Kelvin Cross Sections
61-Pm-148
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
61-Pm-148

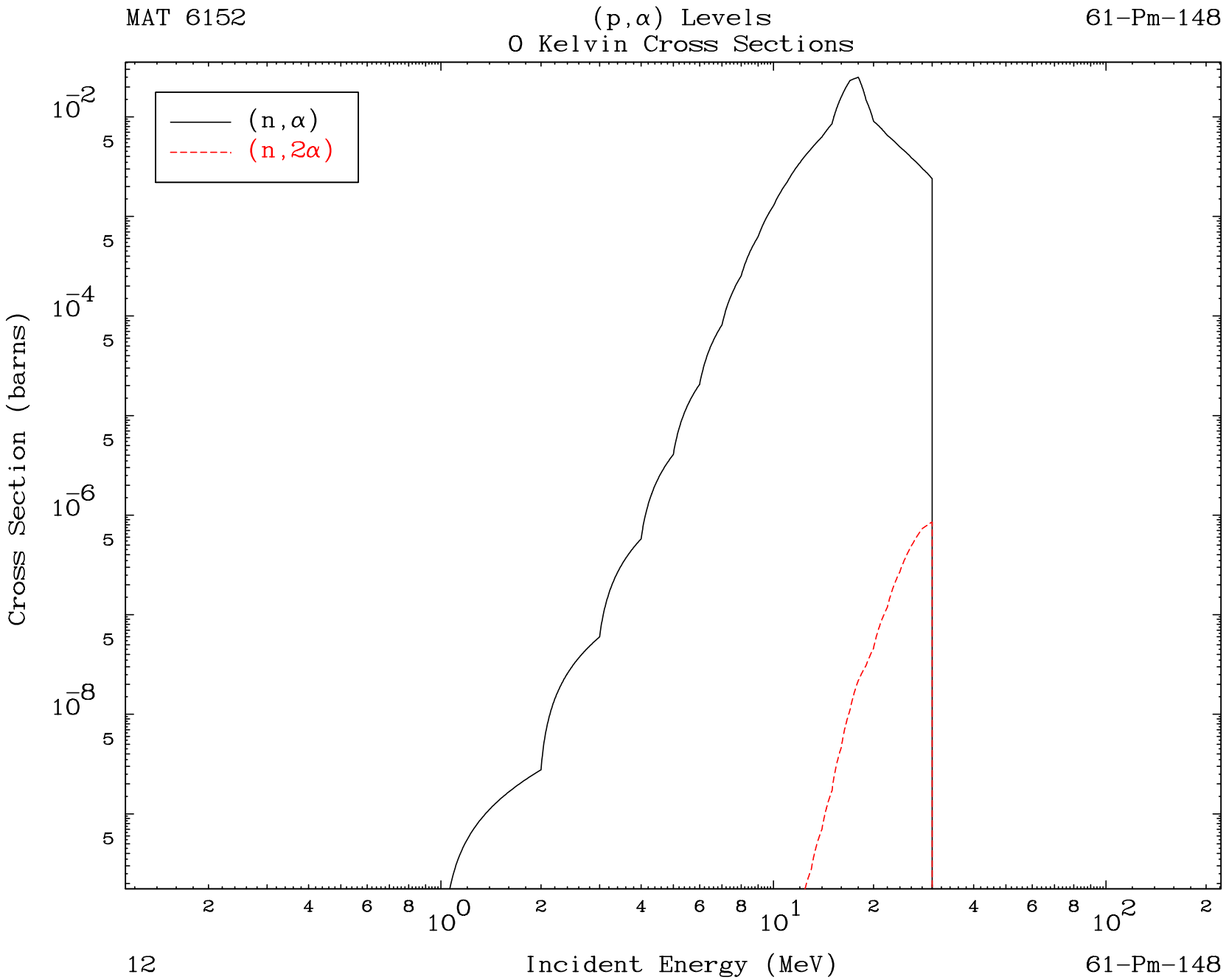

MAT 6152
Proton Charged Particle
0 Kelvin Cross Sections
61-Pm-148
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
61-Pm-148

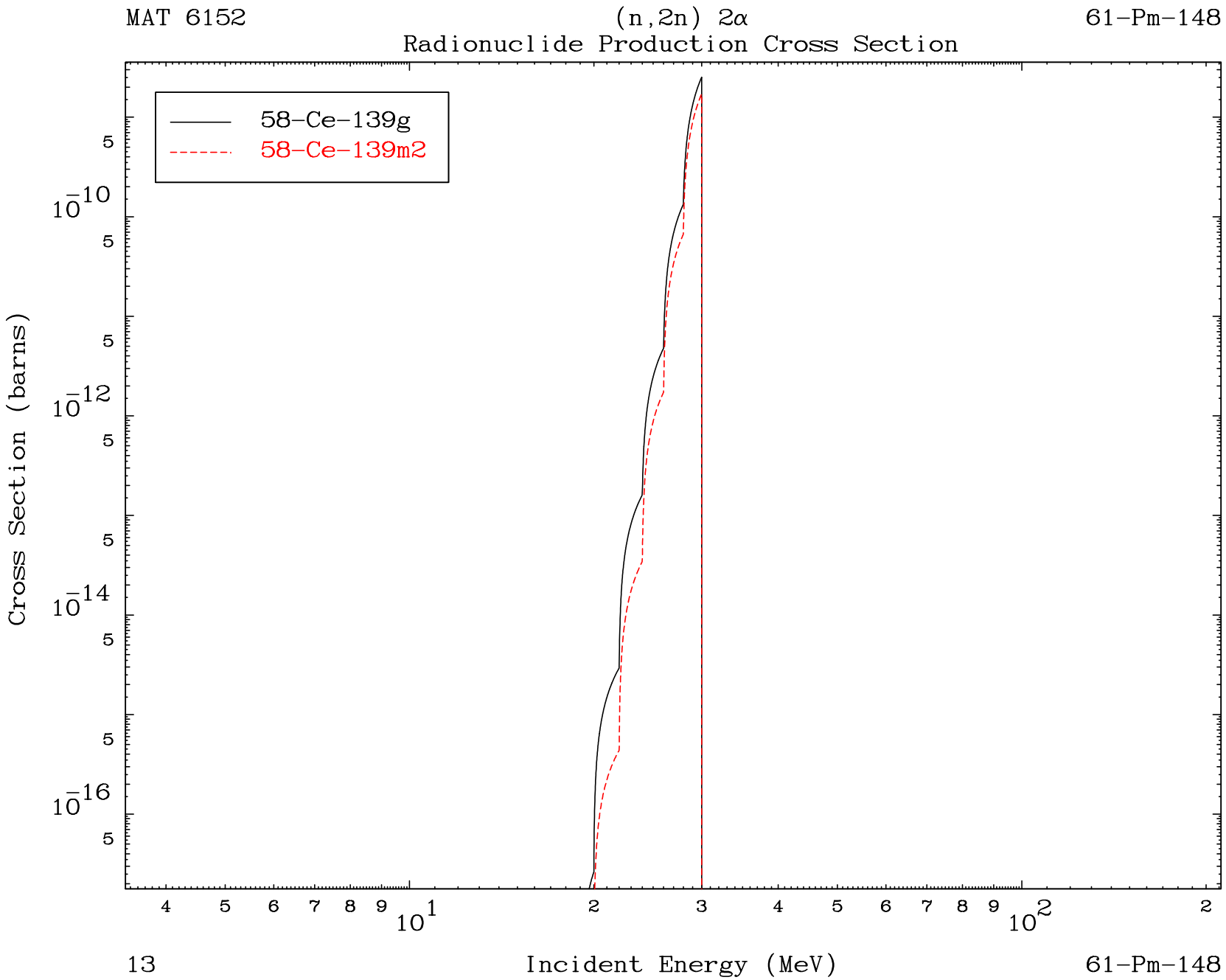

MAT 6152
(p,p) Levels
61-Pm-148
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
61-Pm-148

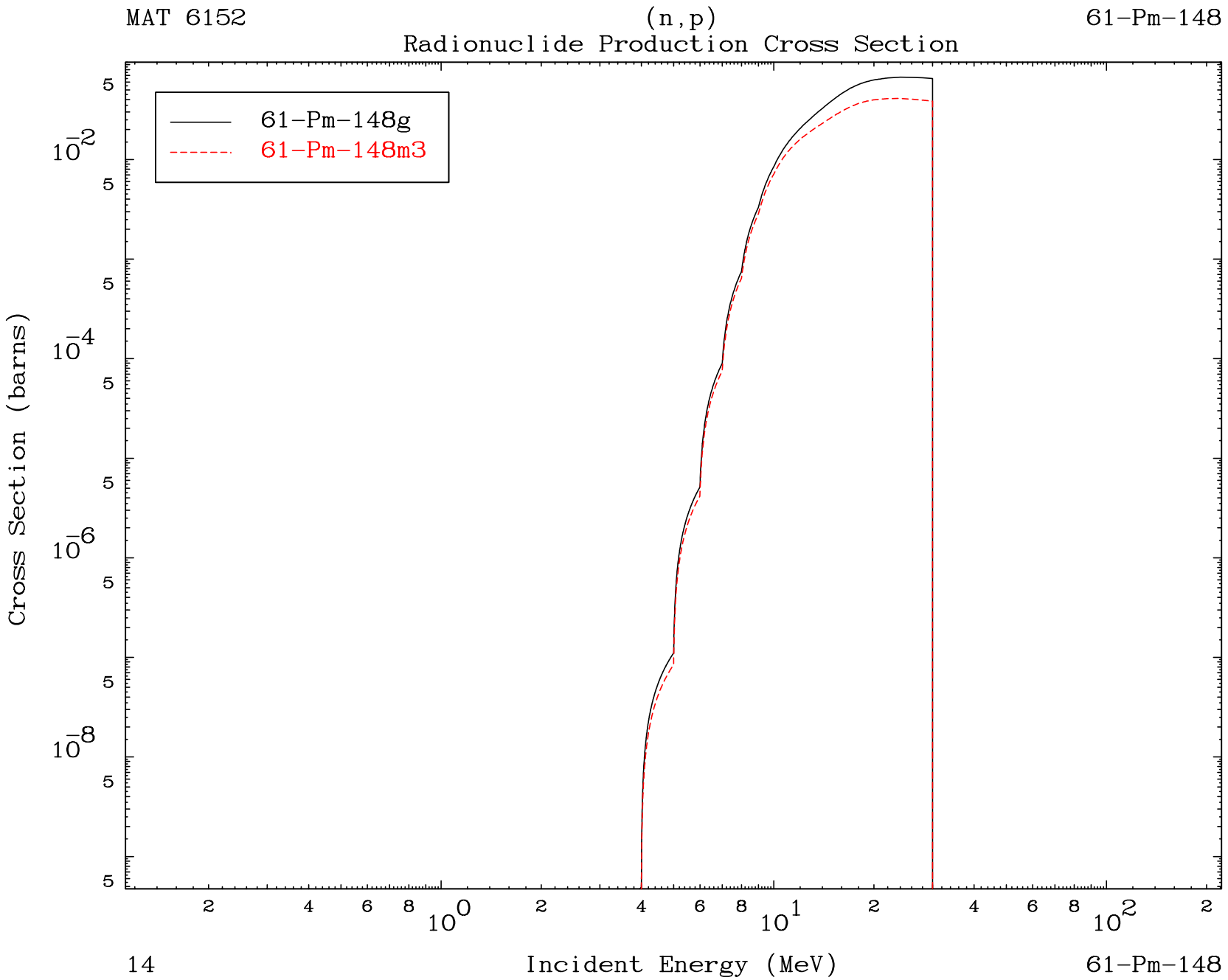

MAT 6152
(p,d) Levels
61-Pm-148
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
10 1
10 2
9
61-Pm-148

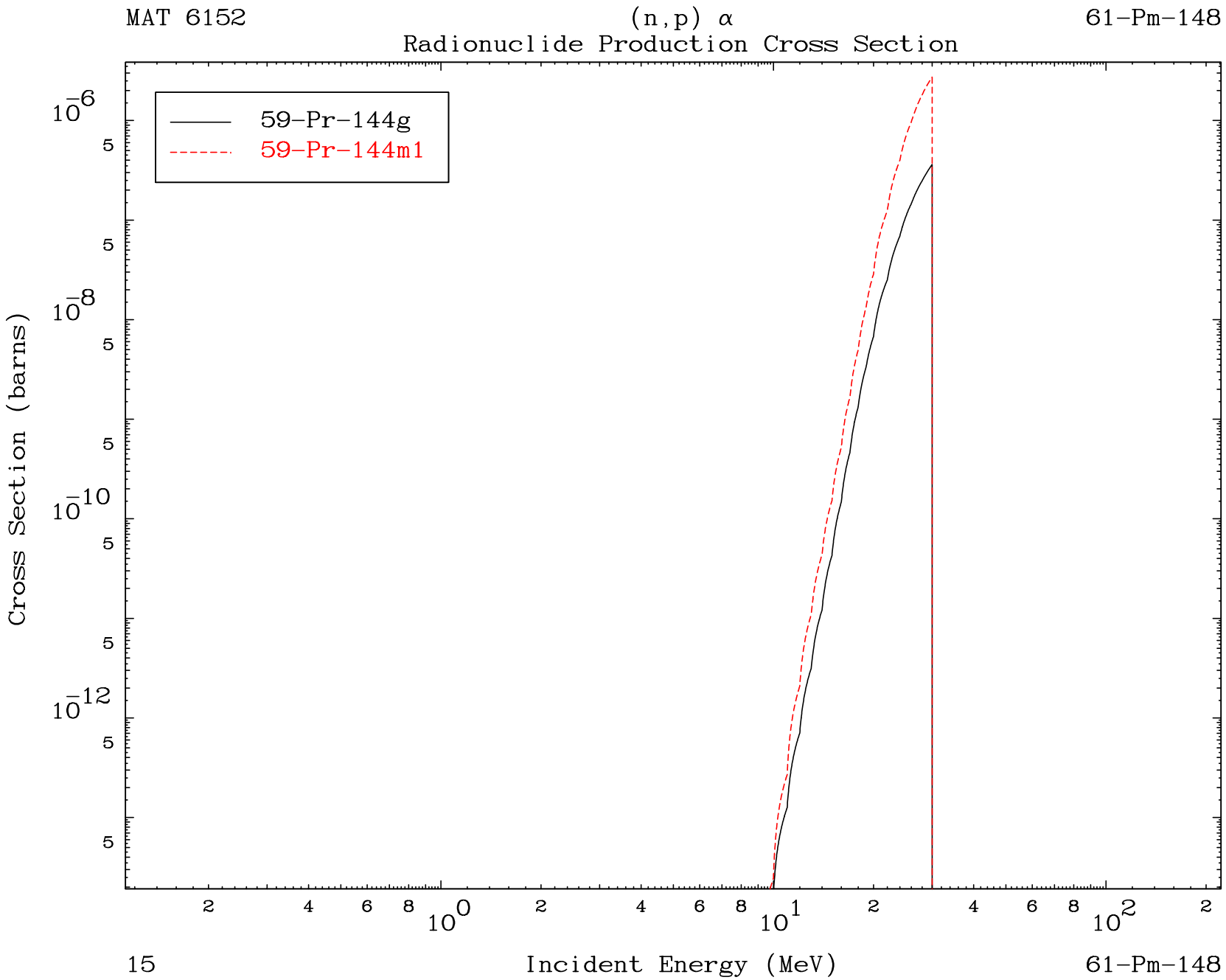

MAT 6152
(p,t) Levels
61-Pm-148
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
61-Pm-148


MAT 6152
(p,He3) Levels
61-Pm-148
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
11
61-Pm-148


MAT 6152
(p,α) Levels
61-Pm-148
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
12
61-Pm-148


MAT 6152
(n,2n) 2α
61-Pm-148
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
13
61-Pm-148


MAT 6152
(n,p)
61-Pm-148
Radionuclide Production Cross Section
61-Pm-148g
61-Pm-148m3
Cross Section (barns)
Incident Energy (MeV)
14
61-Pm-148


MAT 6152
(n,p) α
61-Pm-148
Radionuclide Production Cross Section
59-Pr-144g
59-Pr-144m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
15
61-Pm-148