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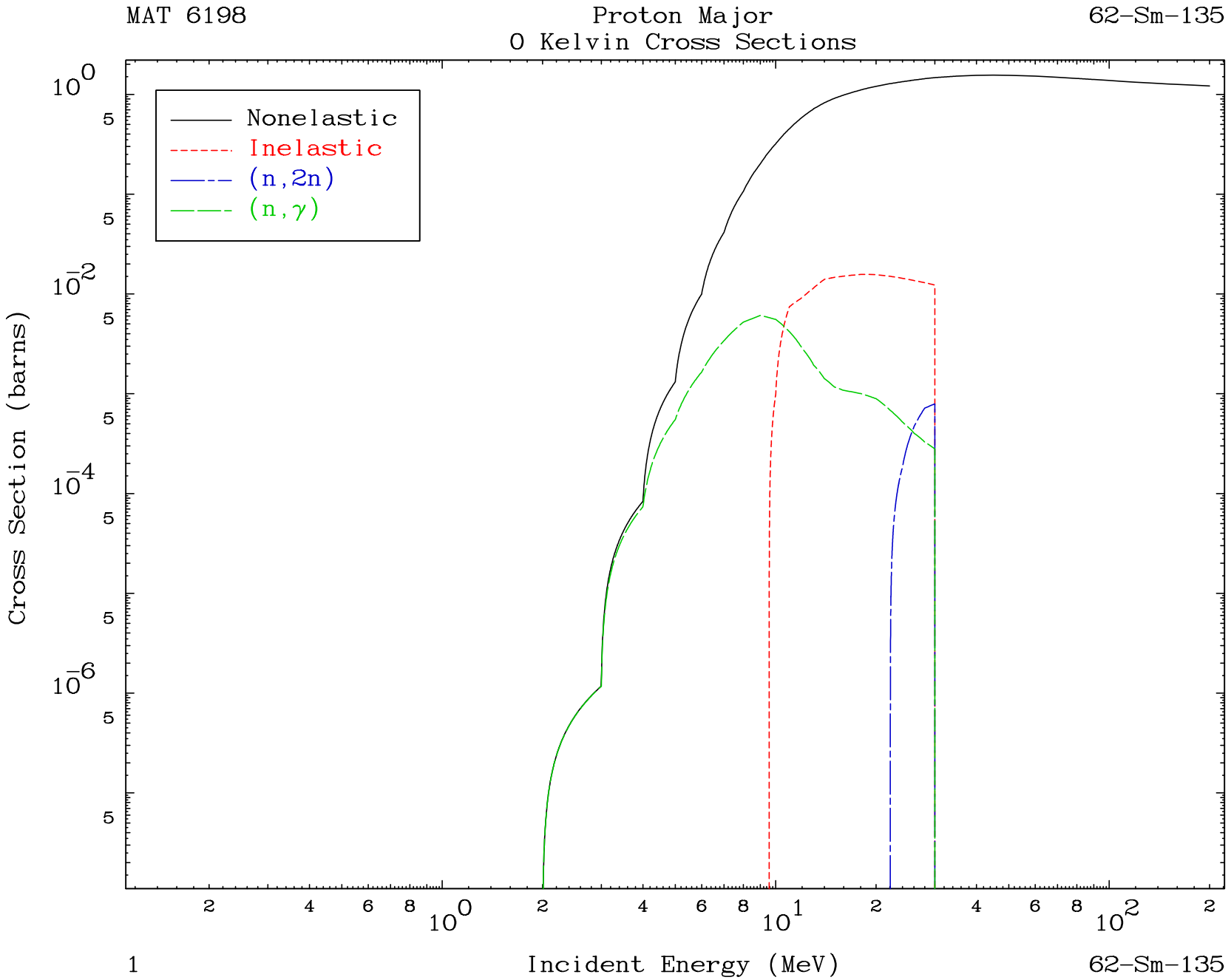
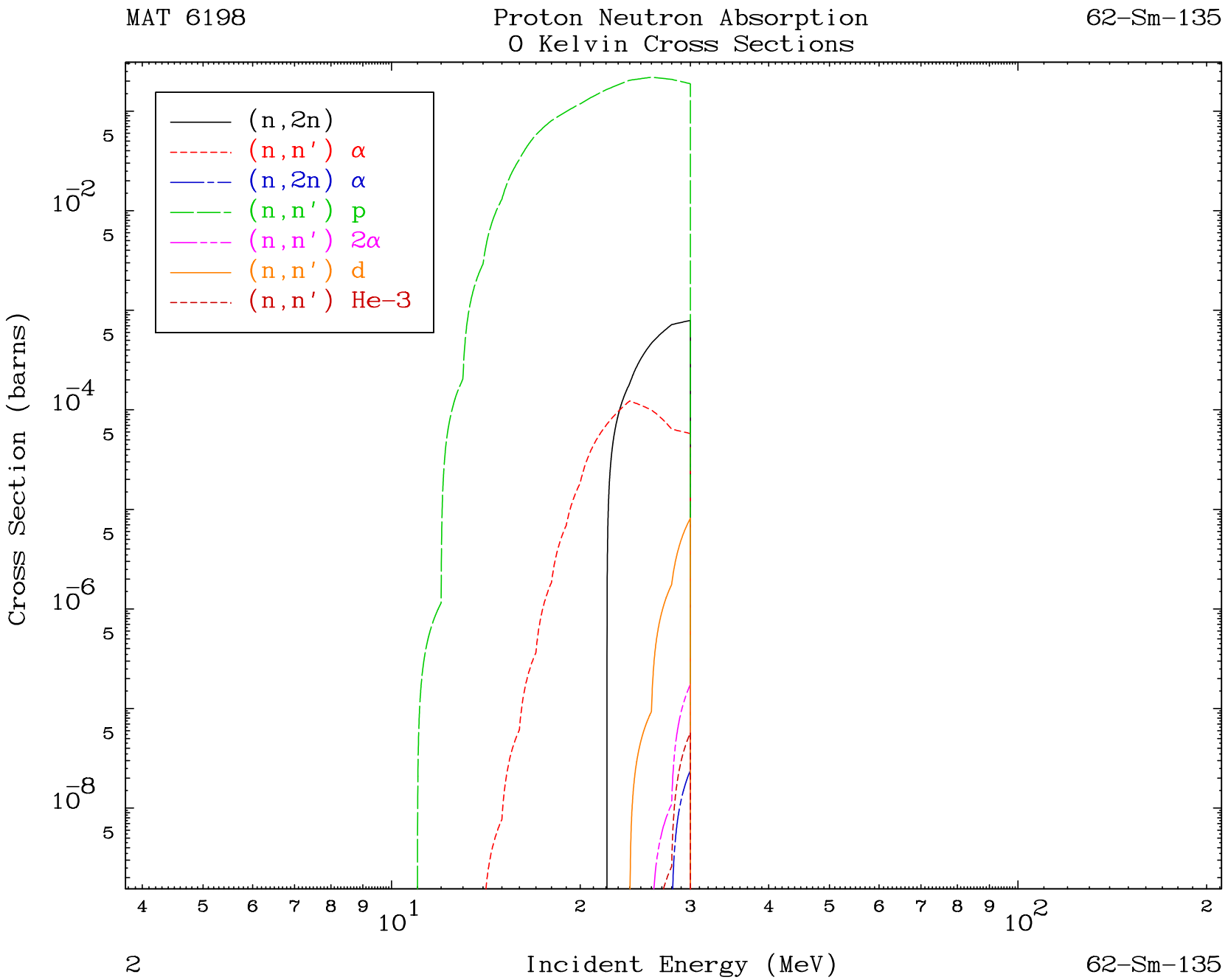
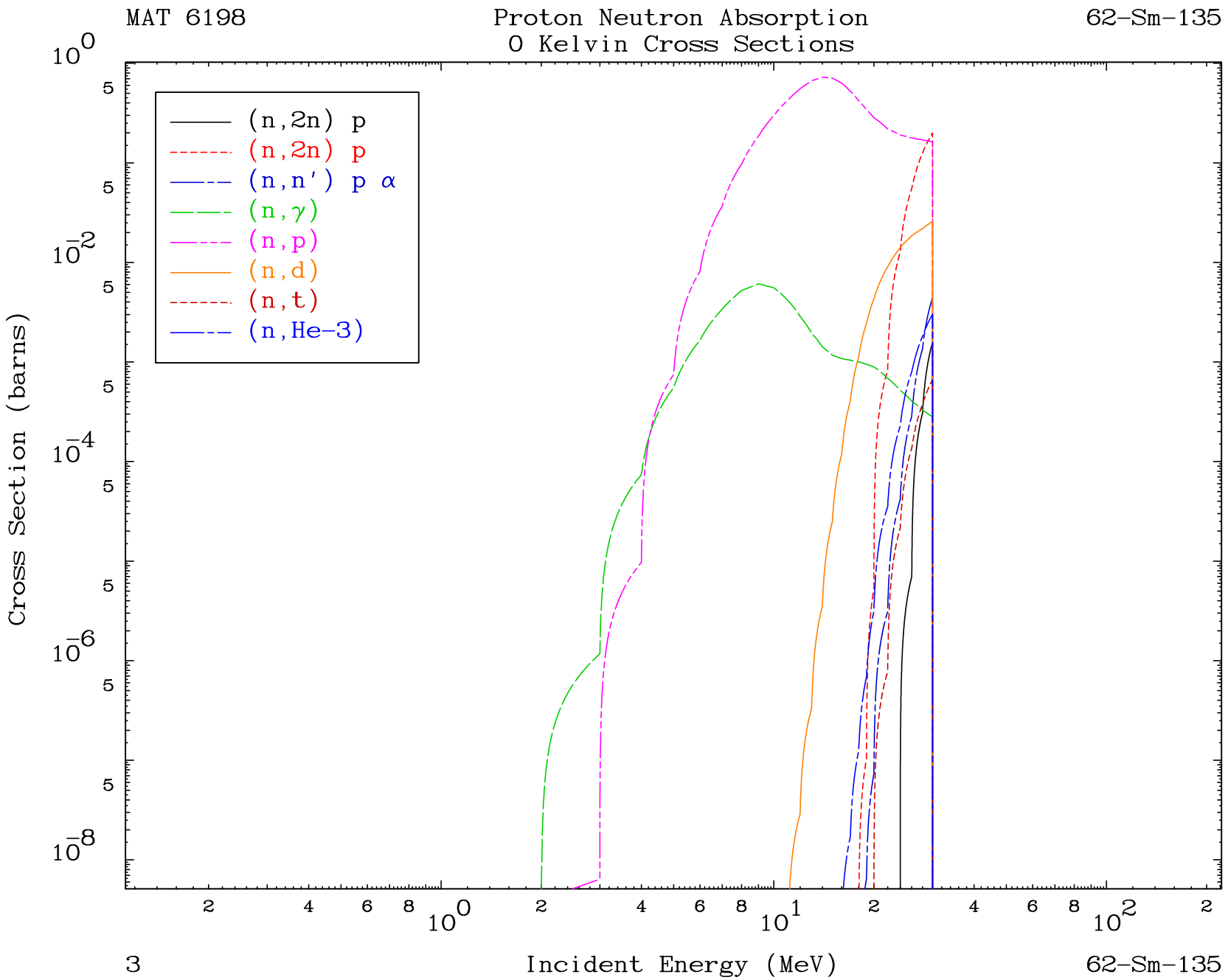
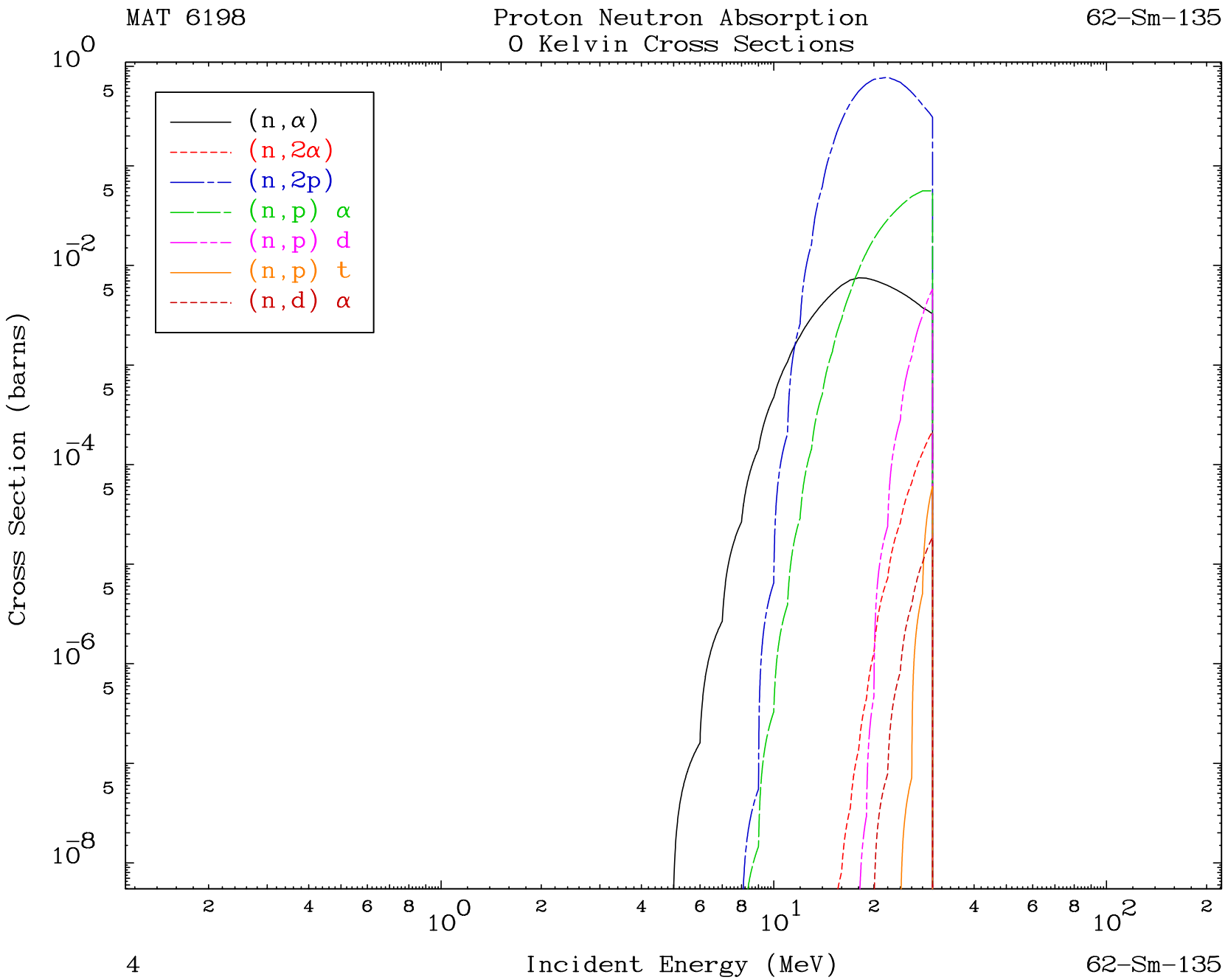
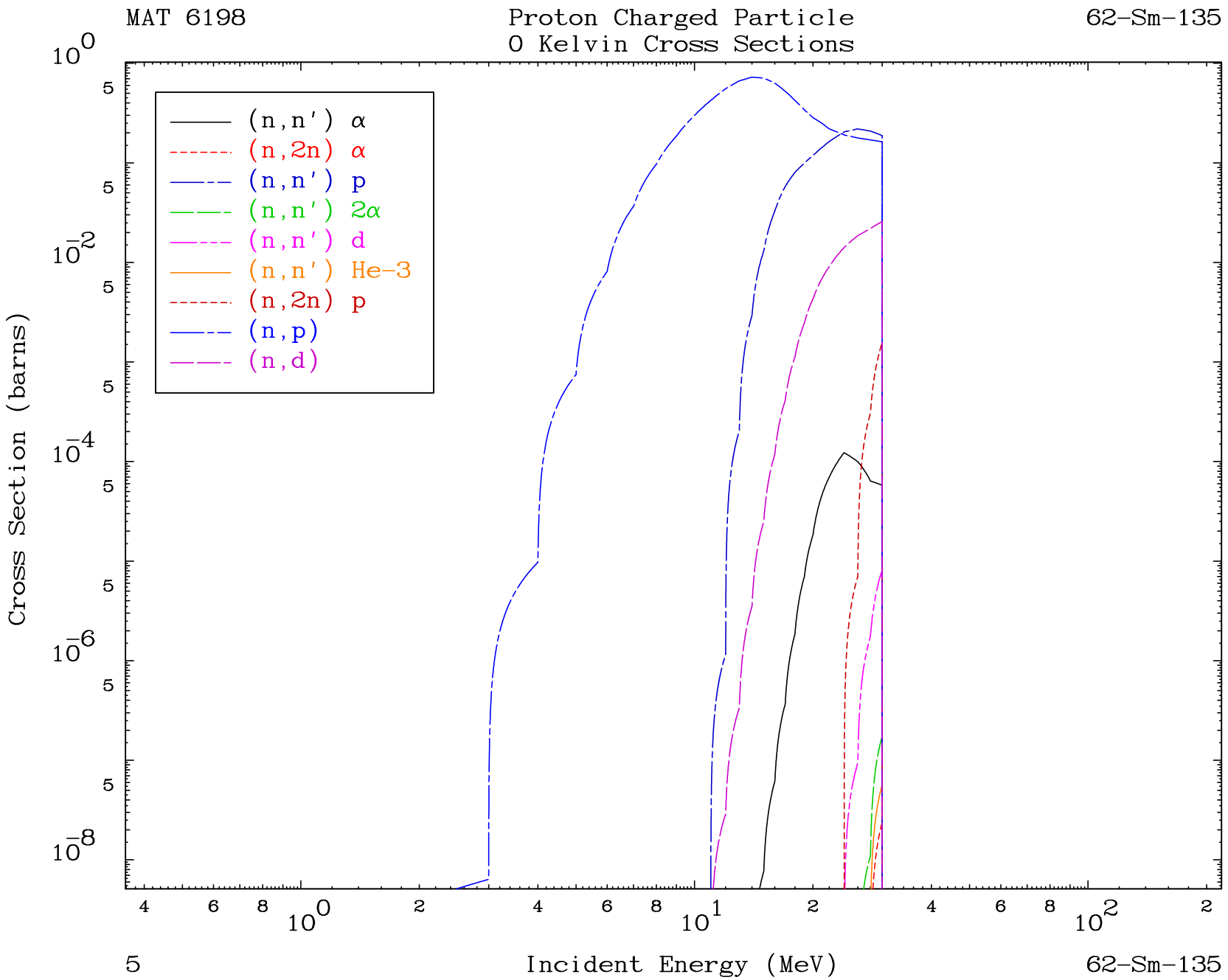
Press Mouse Button to Start

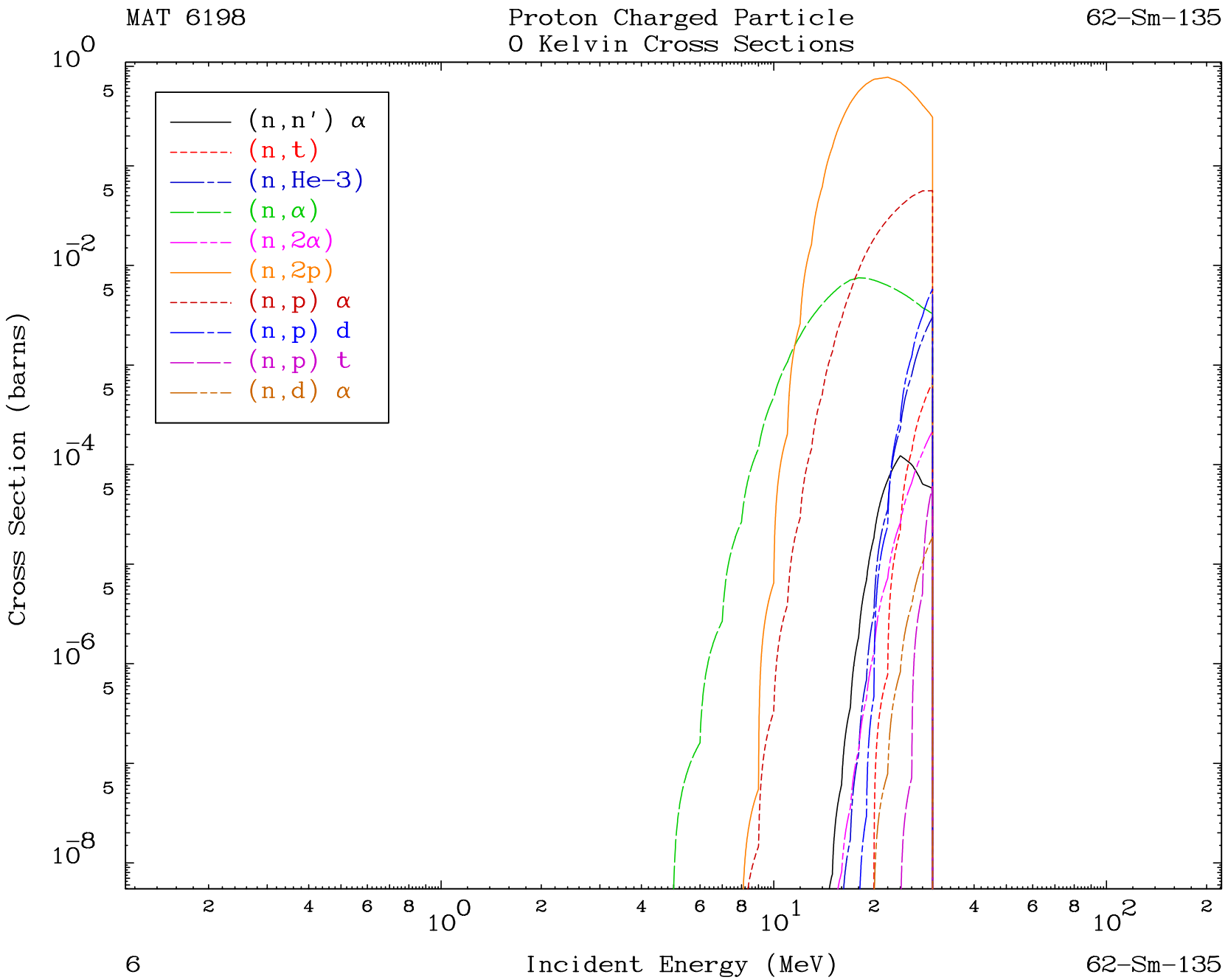

MAT 6198
Proton Major
62-Sm-135
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-135
1

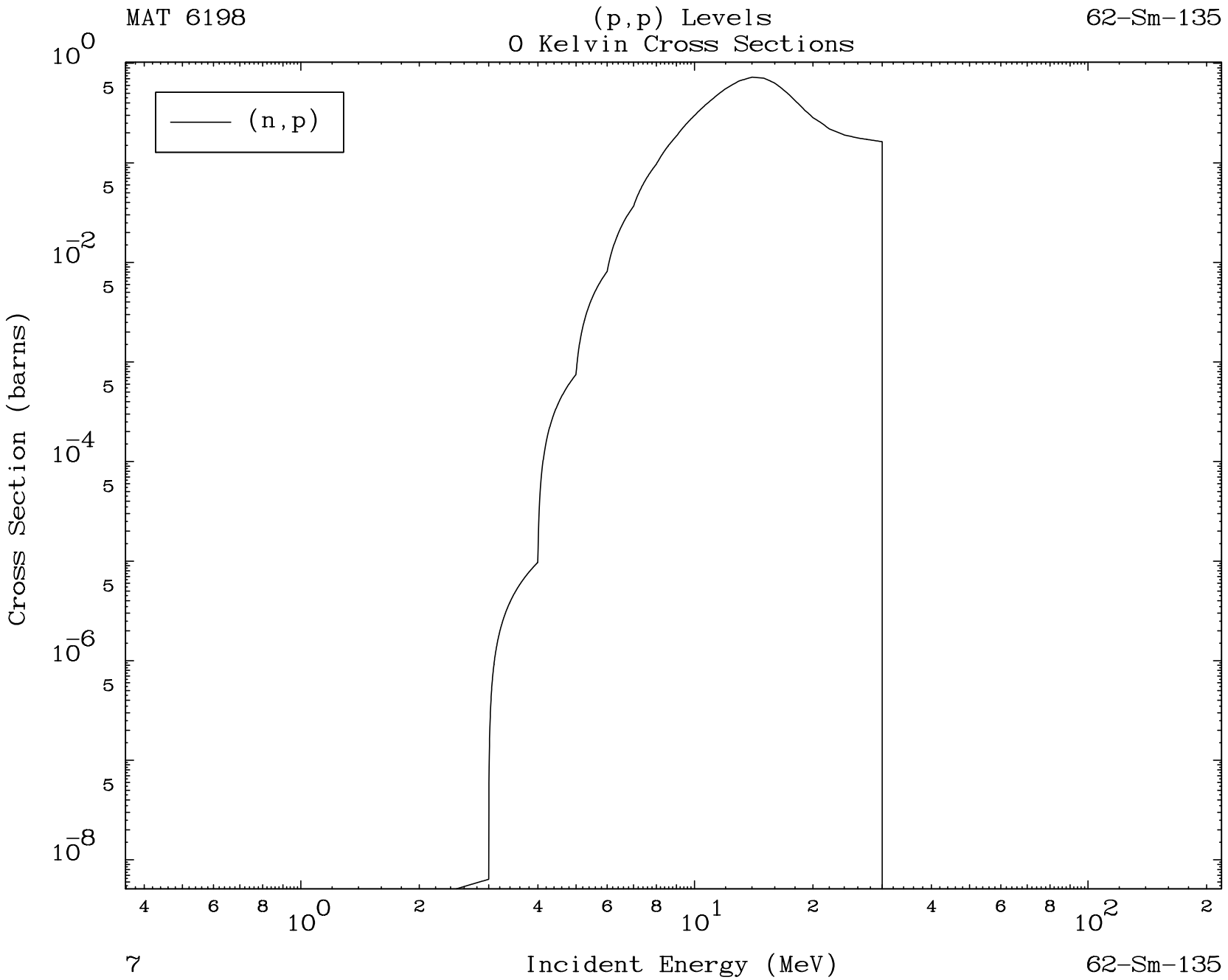

MAT 6198
Proton Neutron Absorption
0 Kelvin Cross Sections
62-Sm-135
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
2
62-Sm-135

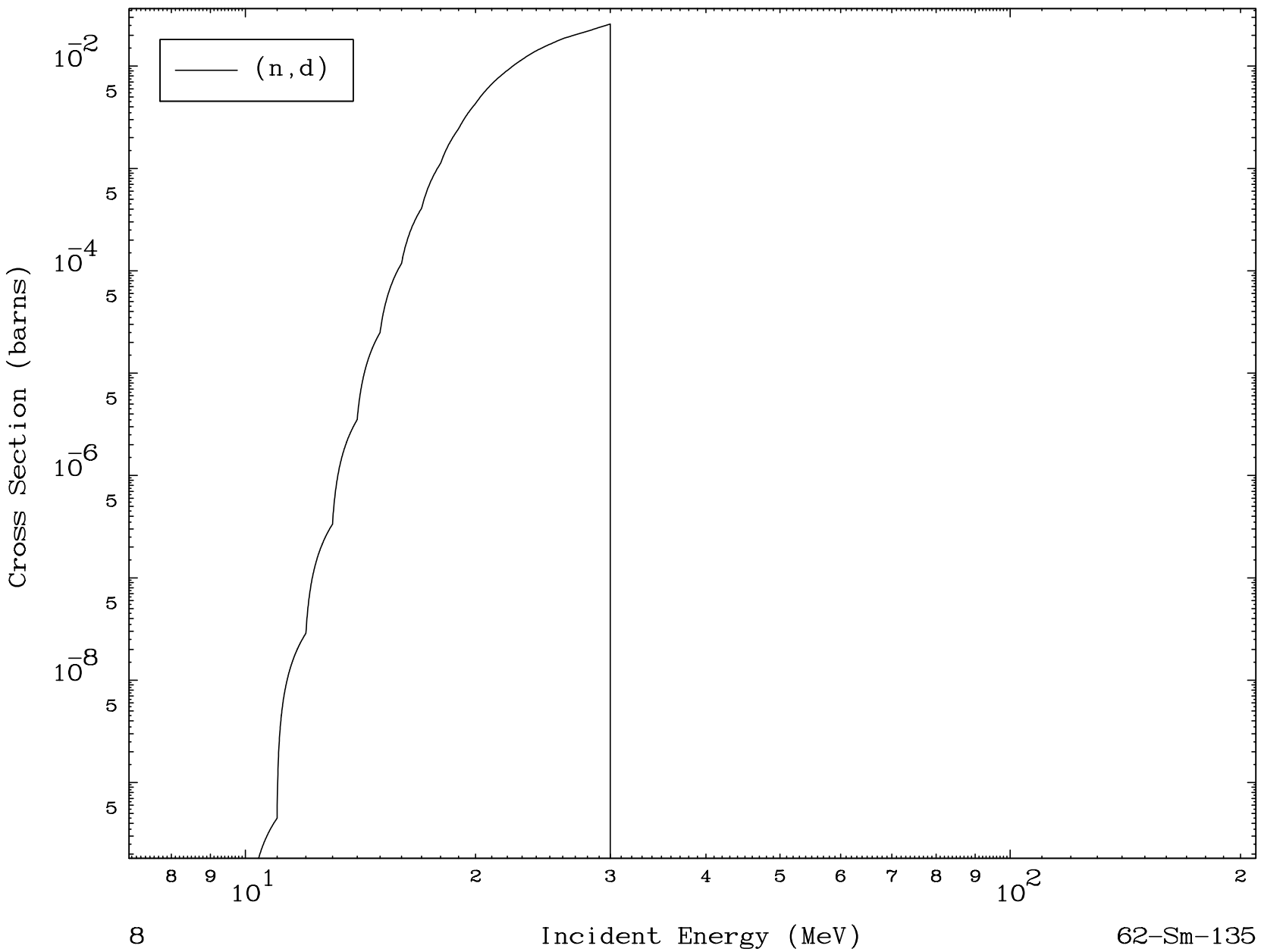

MAT 6198
Proton Neutron Absorption
0 Kelvin Cross Sections
62-Sm-135
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
62-Sm-135


MAT 6198
Proton Neutron Absorption
0 Kelvin Cross Sections
62-Sm-135
(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
62-Sm-135

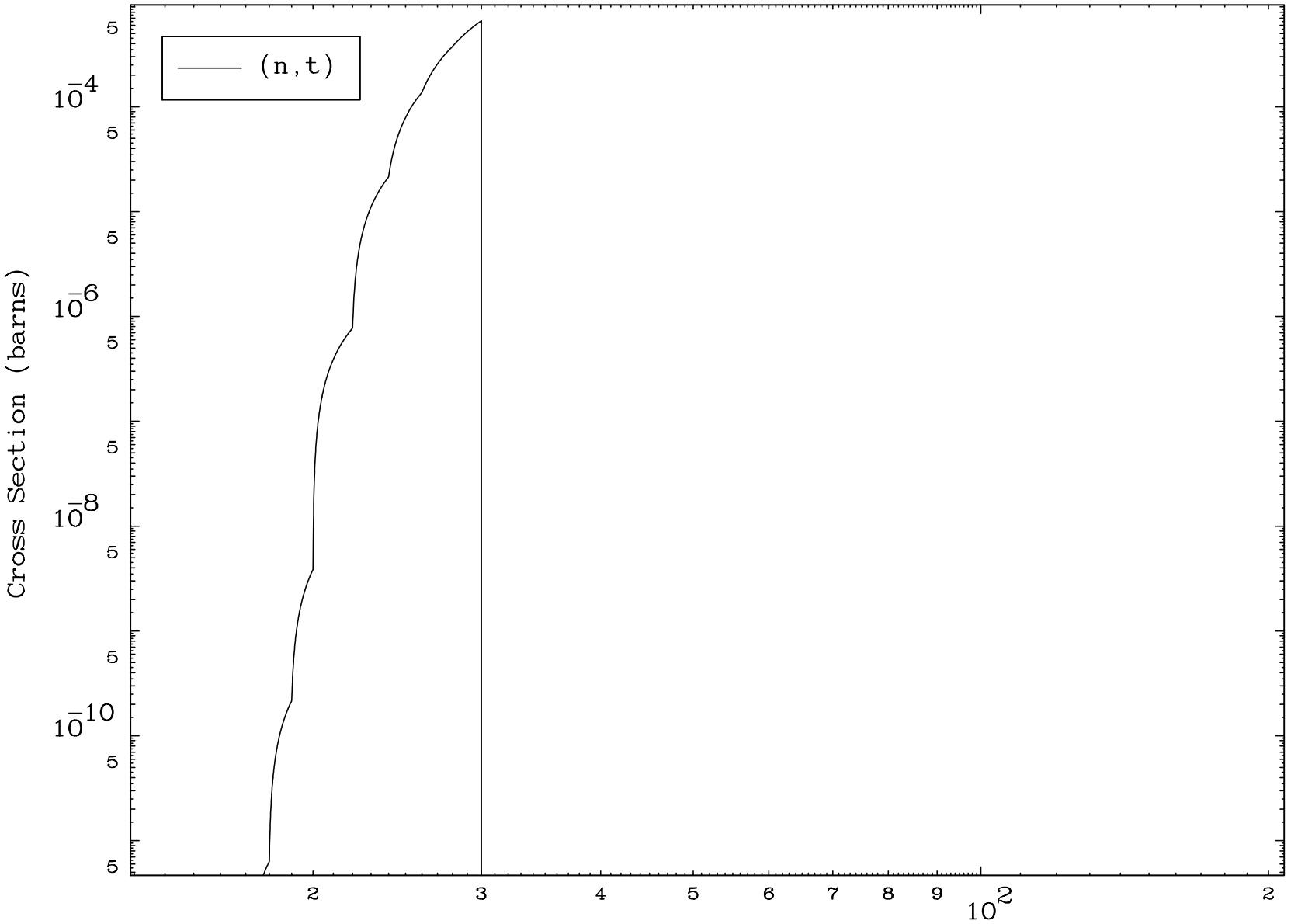

MAT 6198
Proton Charged Particle
0 Kelvin Cross Sections
62-Sm-135
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-135

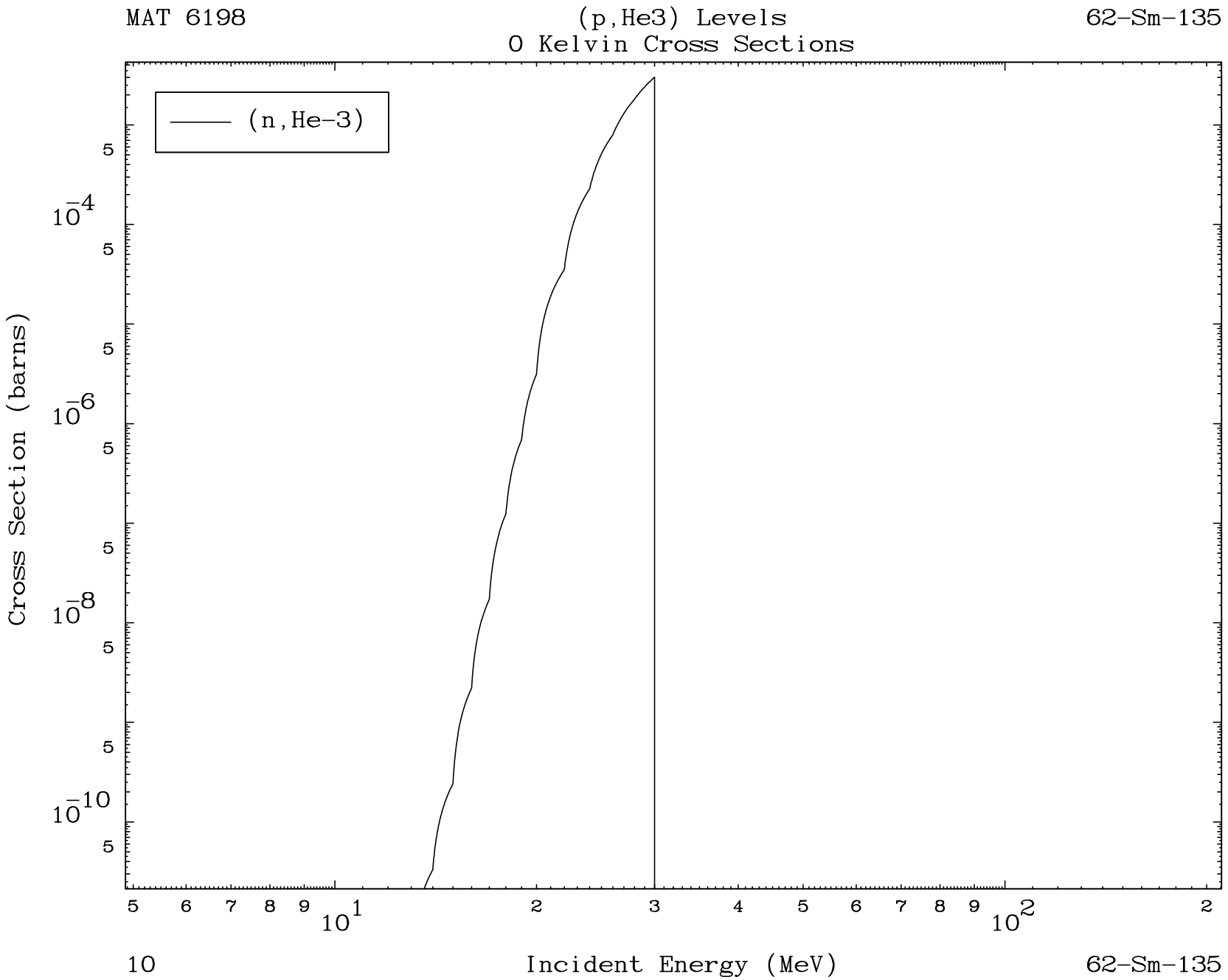

MAT 6198
Proton Charged Particle
0 Kelvin Cross Sections
62-Sm-135
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
62-Sm-135

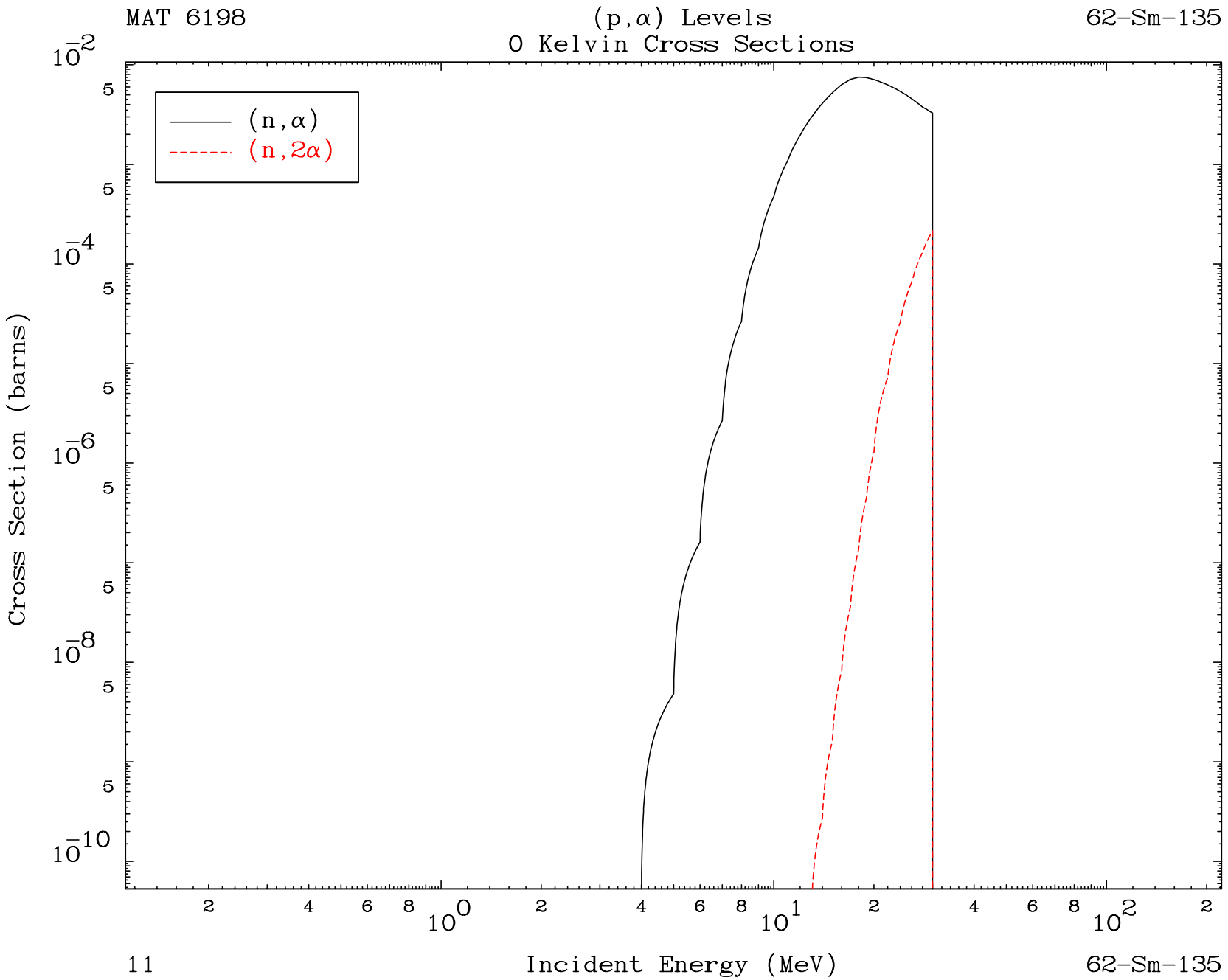

MAT 6198
(p,p) Levels
62-Sm-135
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
62-Sm-135

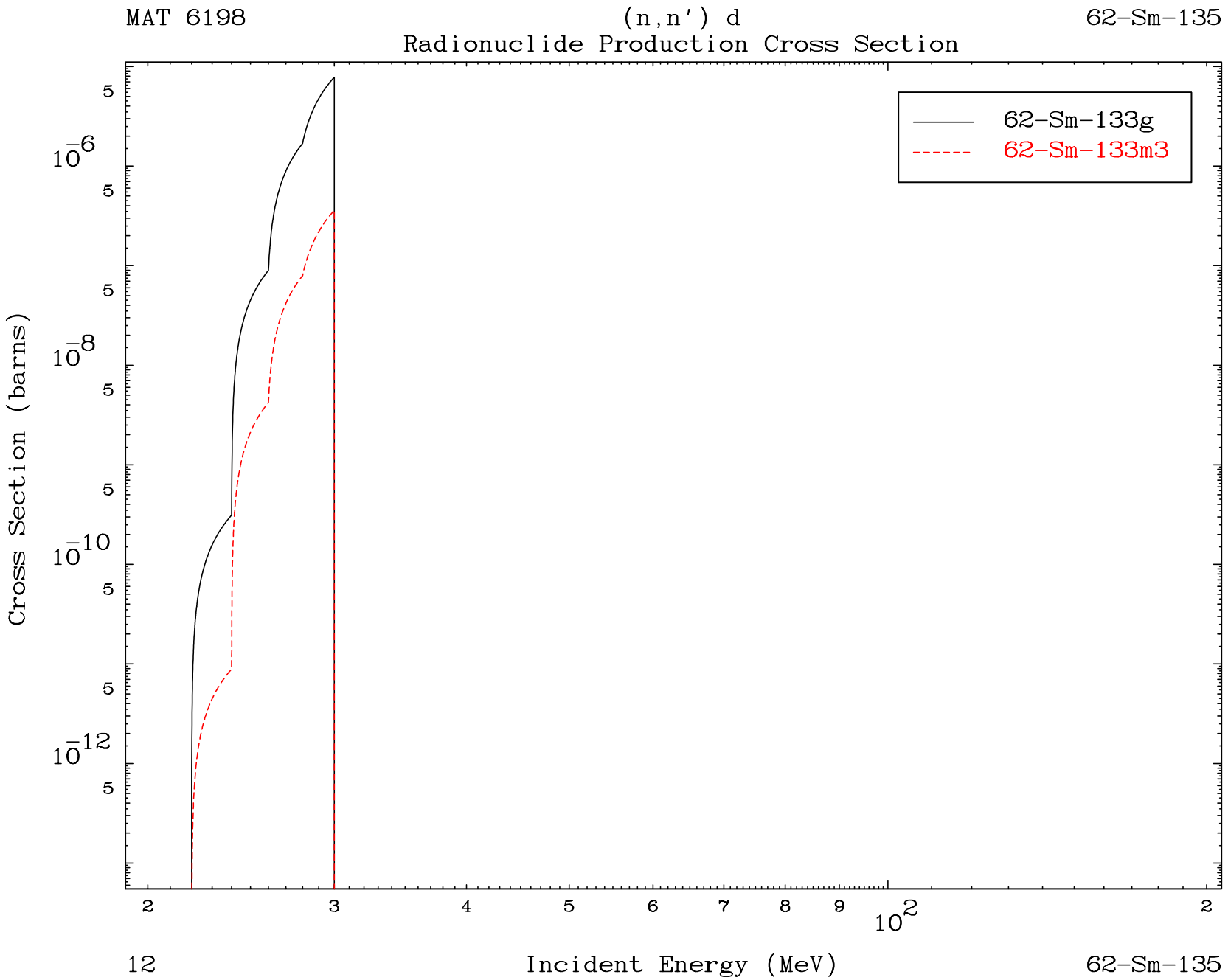

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

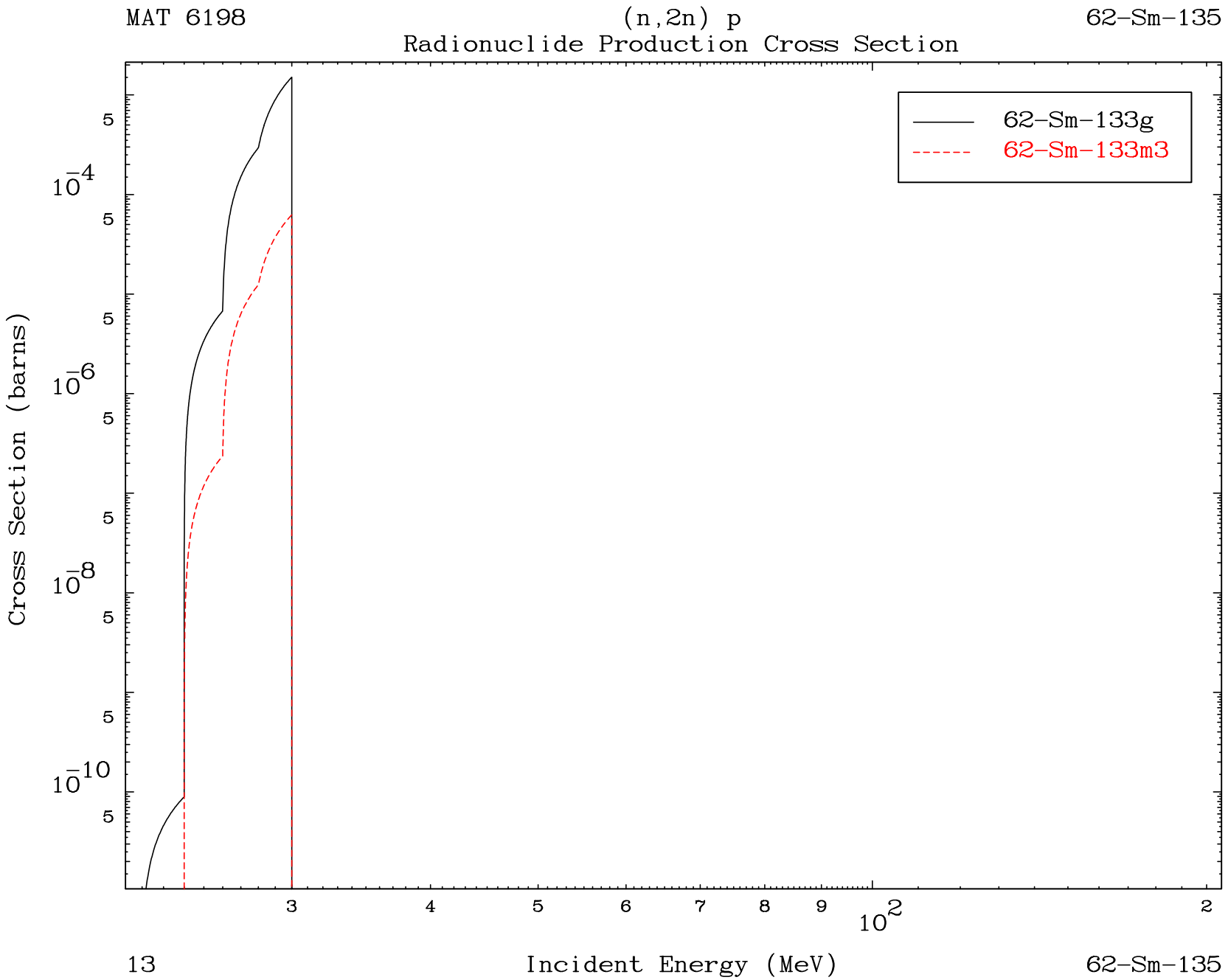
0 Kelvin Cross Sections

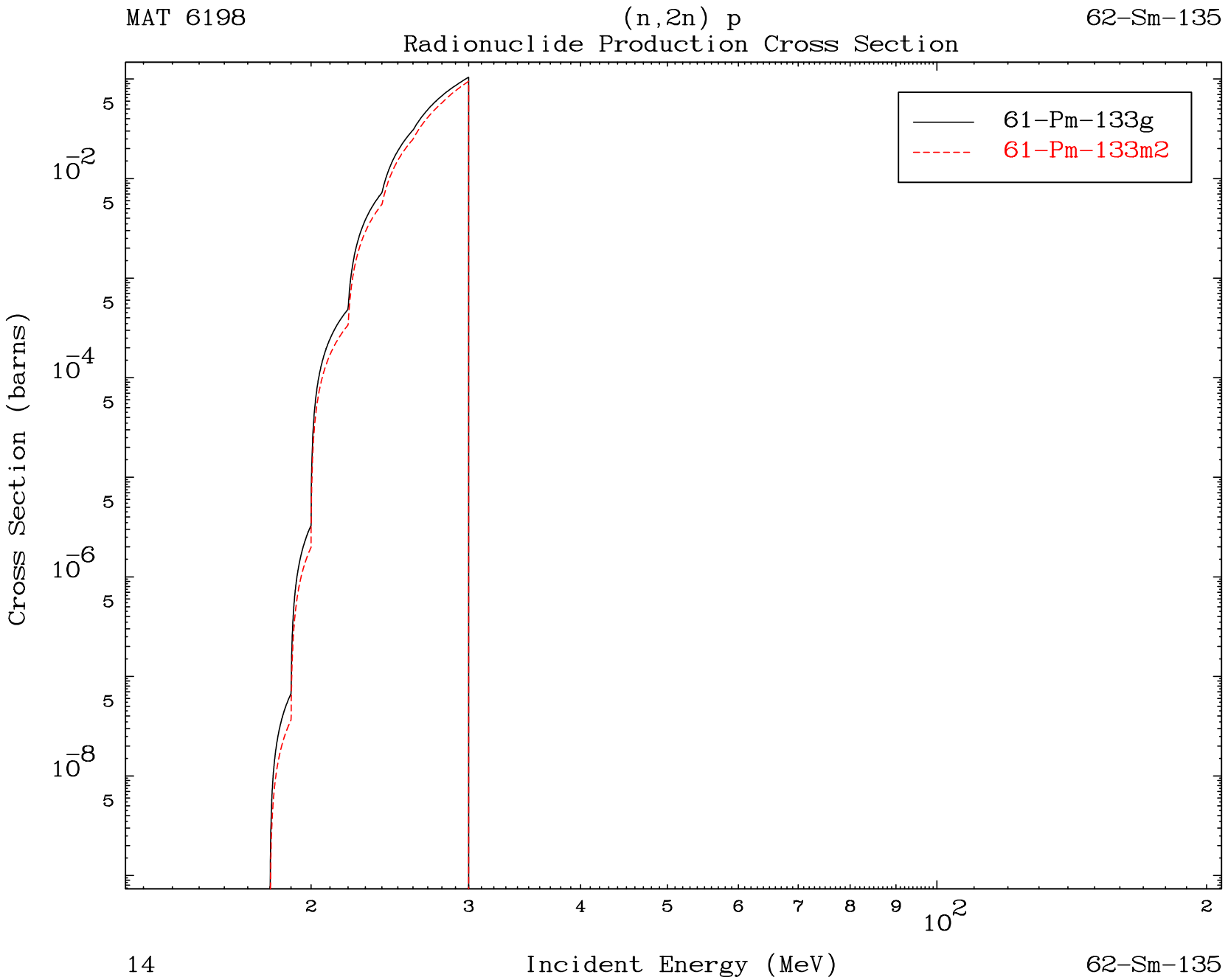


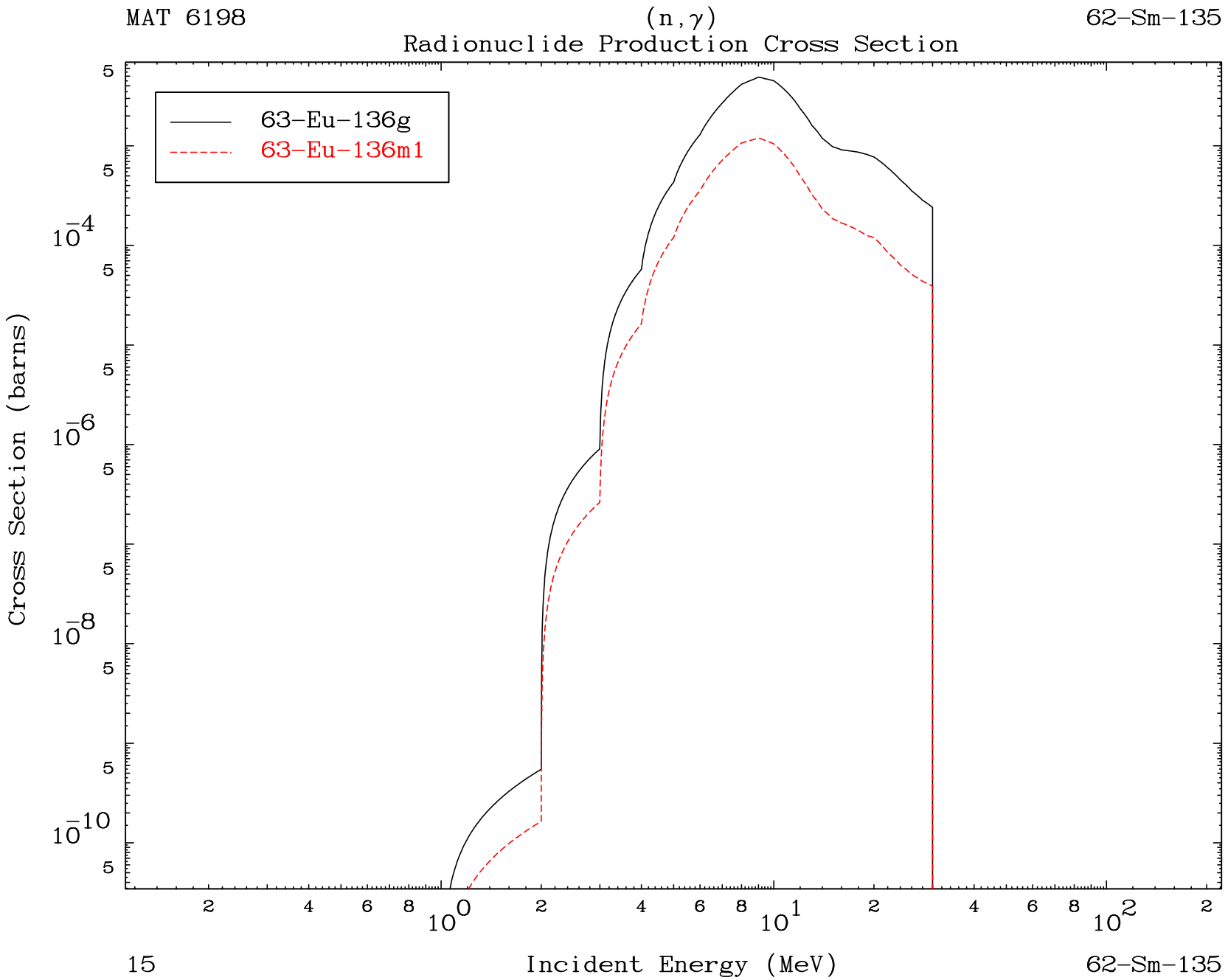

MAT 6198
(p,He3) Levels
62-Sm-135
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
10^2
2
3
4
6
7
8
9
Incident Energy (MeV)
62-Sm-135

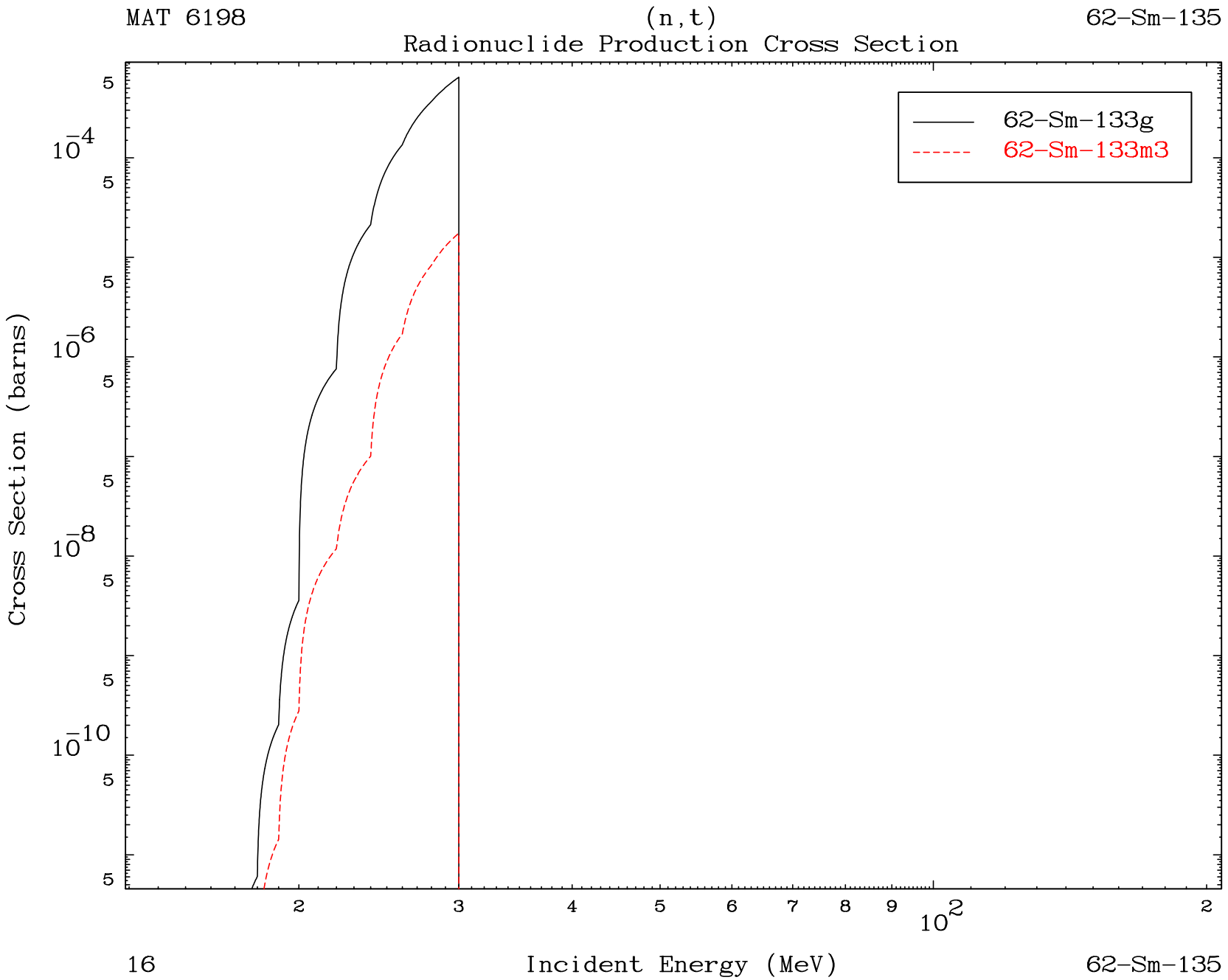

MAT 6198
(p,α) Levels
62-Sm-135
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
62-Sm-135

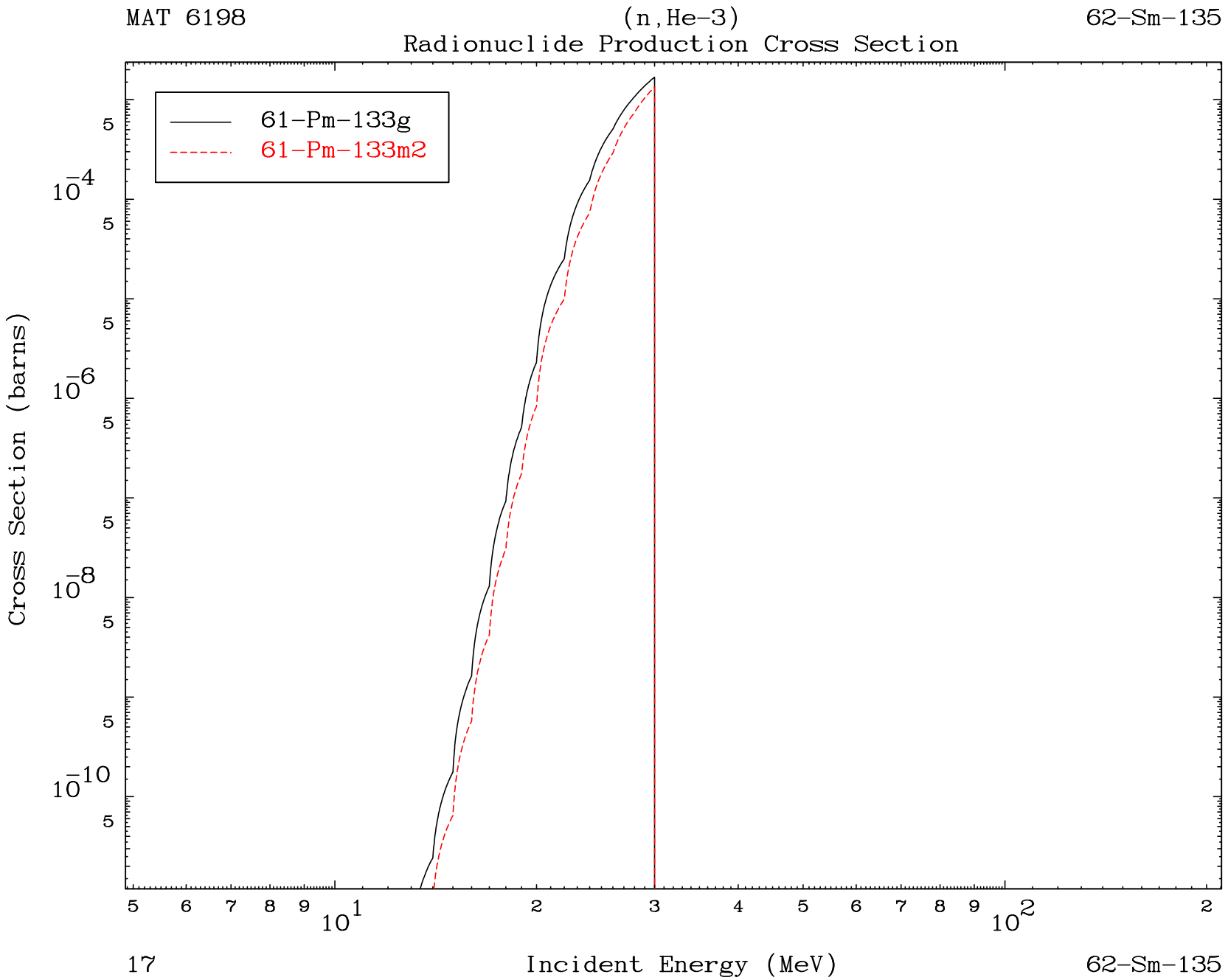

MAT 6198
(n,n') d
62-Sm-135
Radionuclide Production Cross Section
62-Sm-133g
62-Sm-133m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
12
62-Sm-135

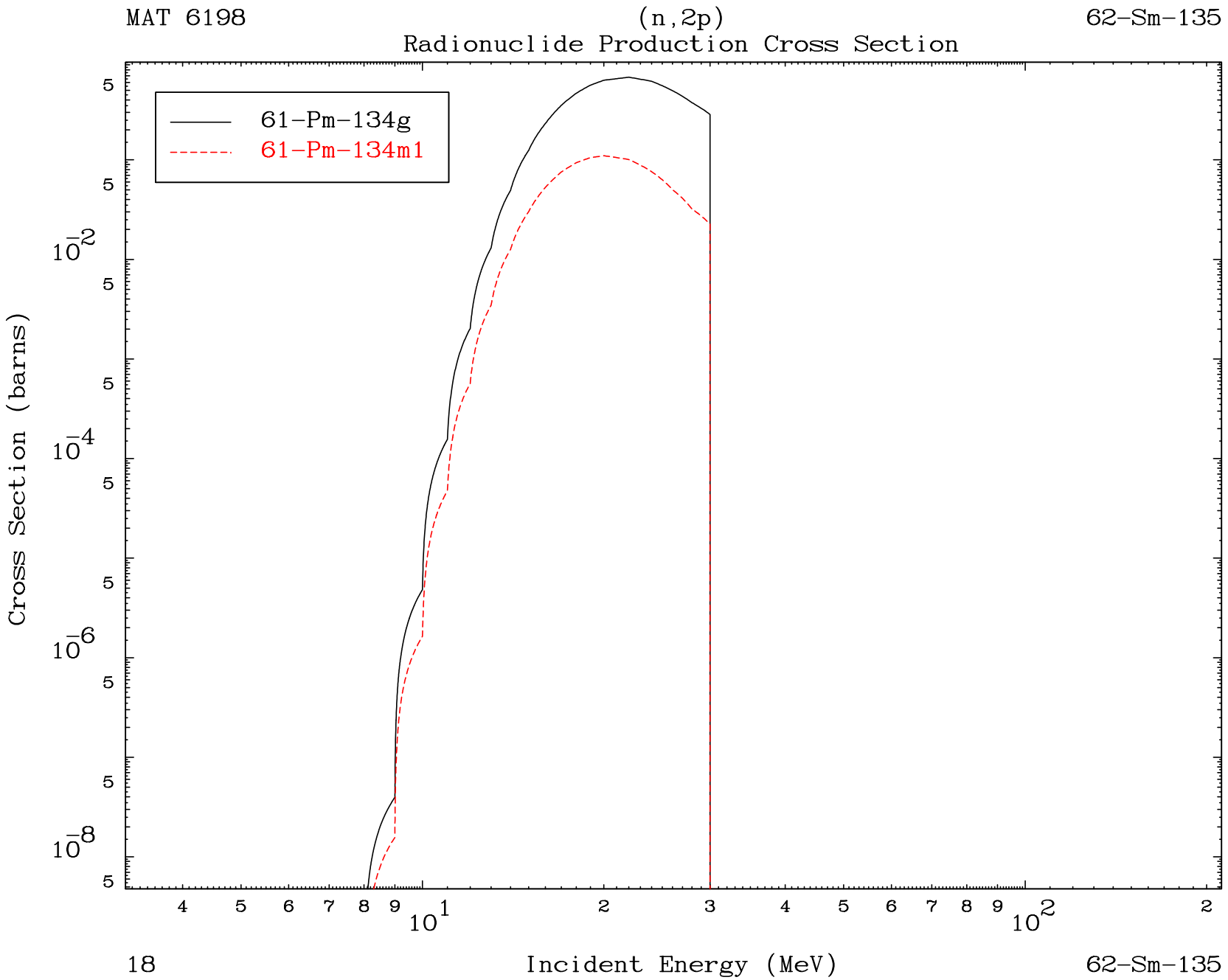

MAT 6198
(n,2n) p
62-Sm-135
Radionuclide Production Cross Section
62-Sm-133g
62-Sm-133m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3
4
6
7
8
9
10^2
2
13
Incident Energy (MeV)
62-Sm-135

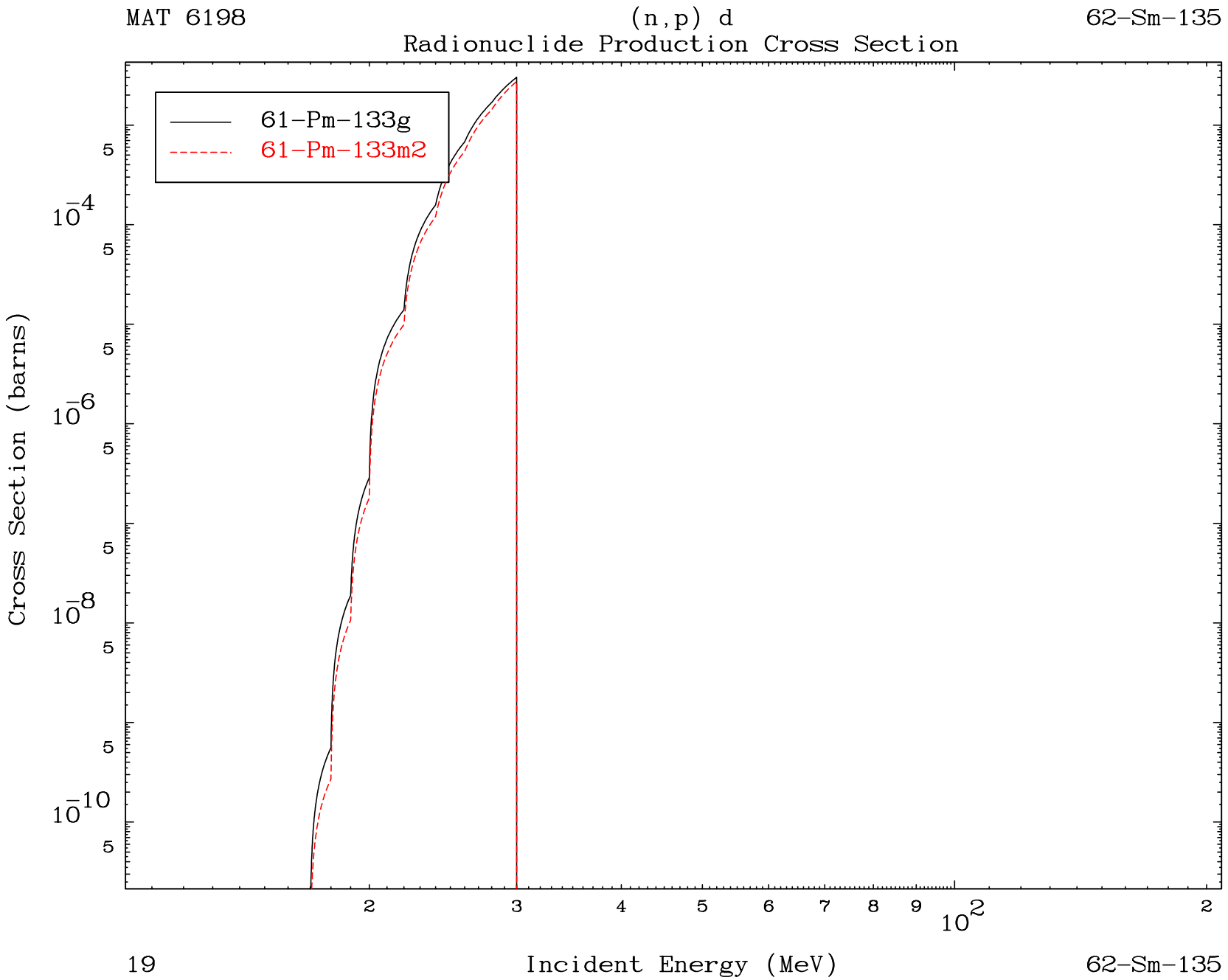

MAT 6198
(n,2n) p
62-Sm-135
Radionuclide Production Cross Section
61-Pm-133g
61-Pm-133m2
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
102
Incident Energy (MeV)
14
62-Sm-135


MAT 6198
(n,γ)
62-Sm-135
Radionuclide Production Cross Section
63-Eu-136g
63-Eu-136m1
Cross Section (barns)
Incident Energy (MeV)
15
62-Sm-135


MAT 6198
(n,t)
62-Sm-135
Radionuclide Production Cross Section
62-Sm-133g
62-Sm-133m3
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
62-Sm-135


MAT 6198
(n,He-3)
62-Sm-135
Radionuclide Production Cross Section
61-Pm-133g
61-Pm-133m2
Cross Section (barns)
Incident Energy (MeV)
17
62-Sm-135


MAT 6198
(n,2p)
62-Sm-135
Radionuclide Production Cross Section
61-Pm-134g
61-Pm-134m1
Cross Section (barns)
Incident Energy (MeV)
18
62-Sm-135


MAT 6198
(n,p) d
62-Sm-135
Radionuclide Production Cross Section
61-Pm-133g
61-Pm-133m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
62-Sm-135