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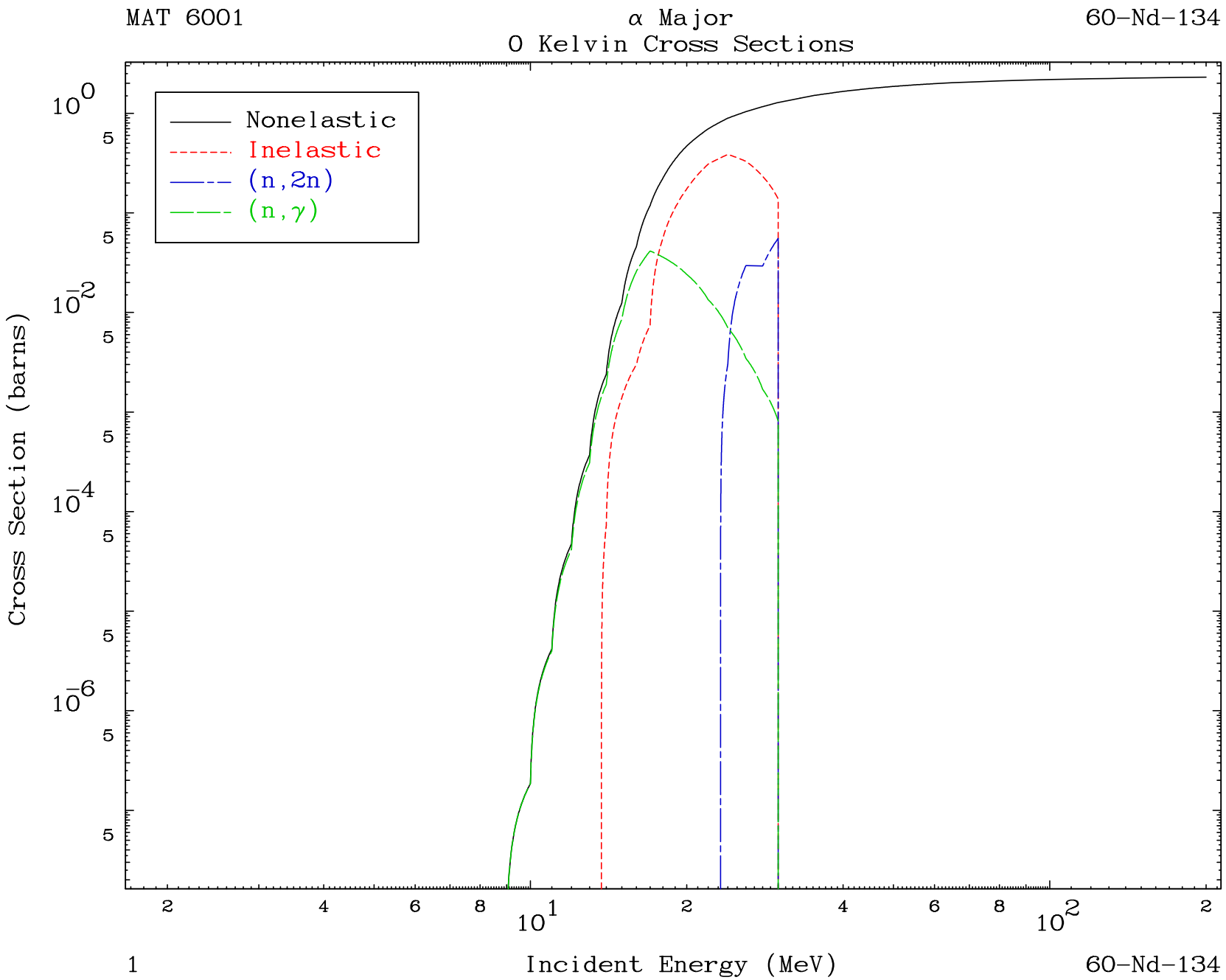
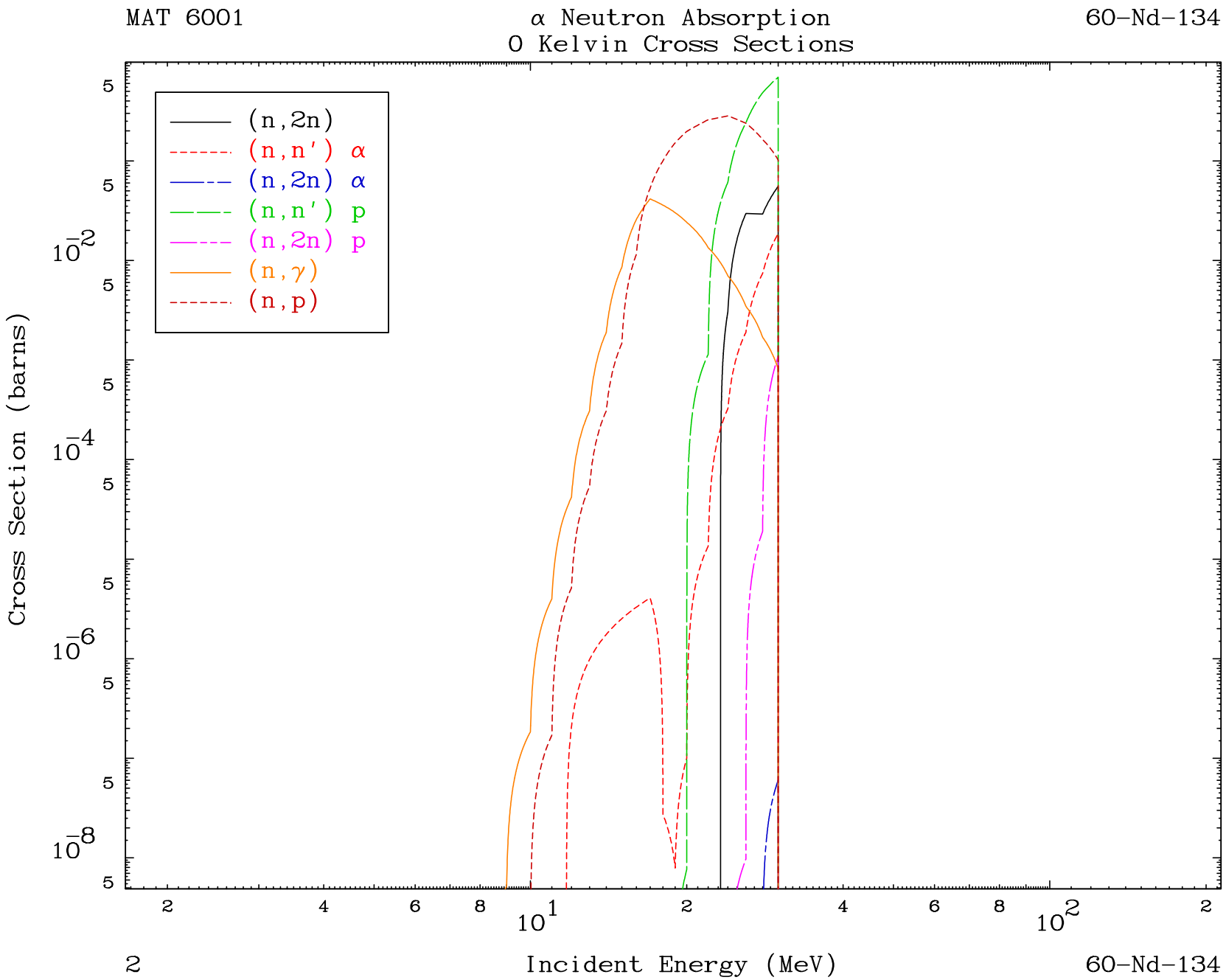
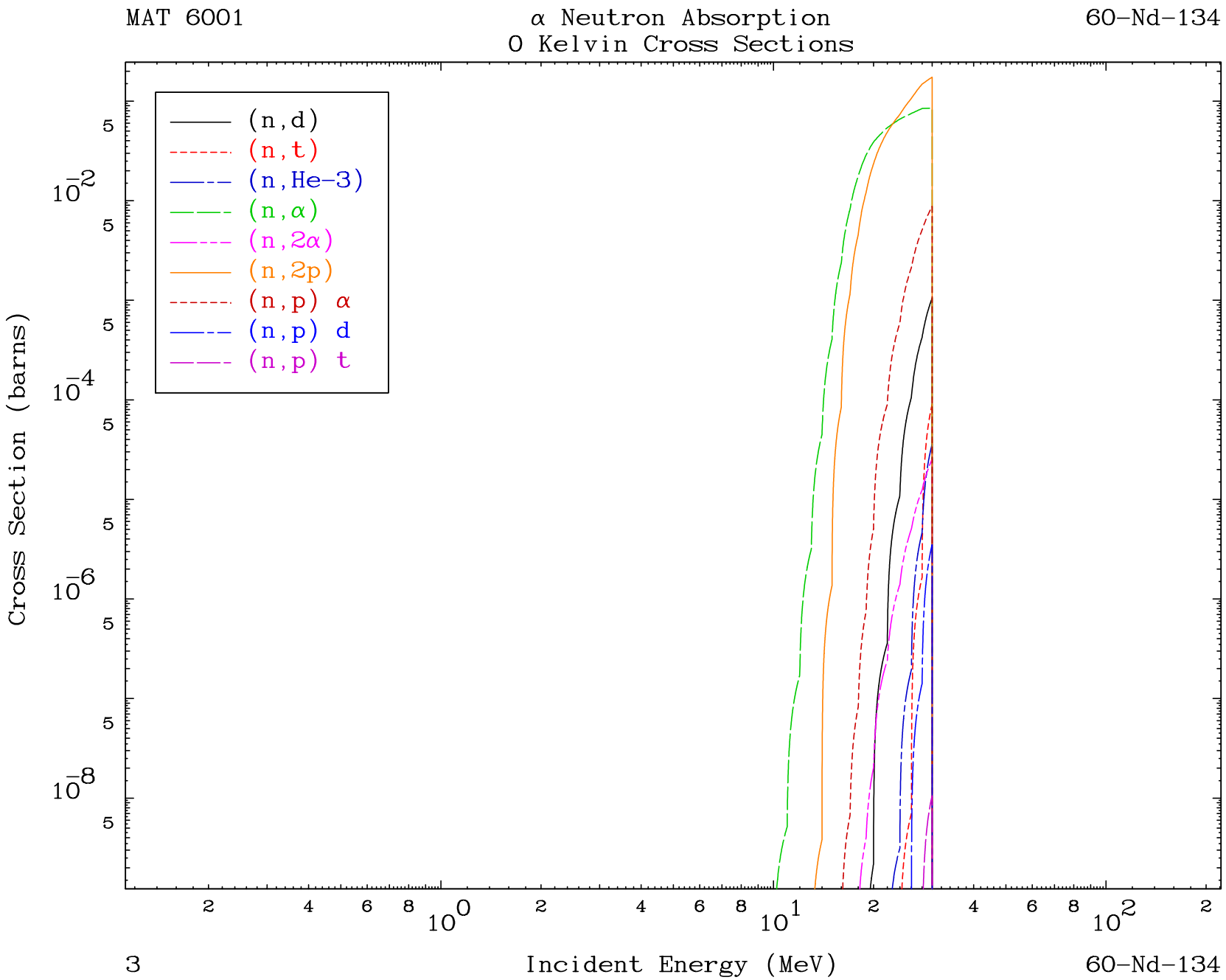
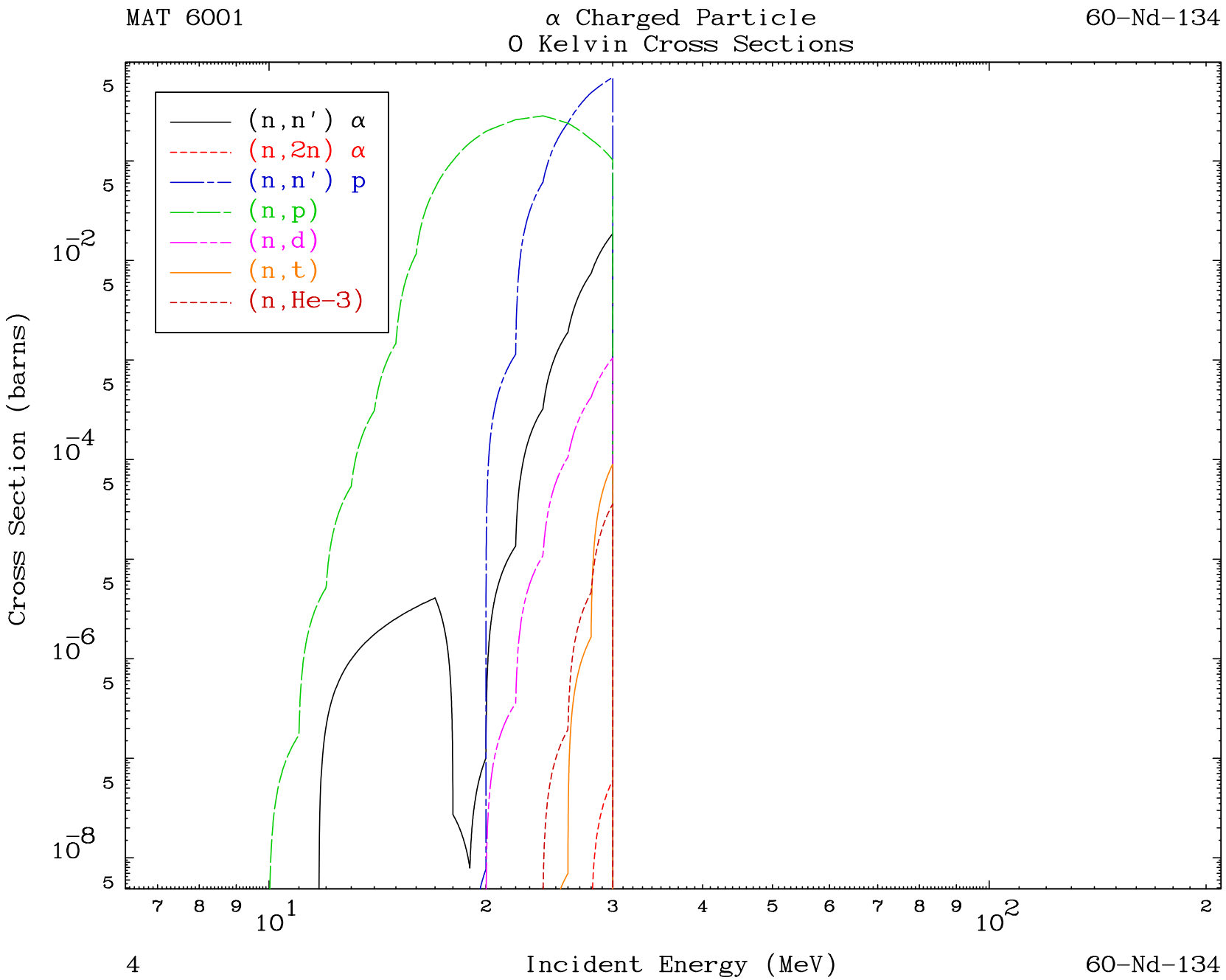
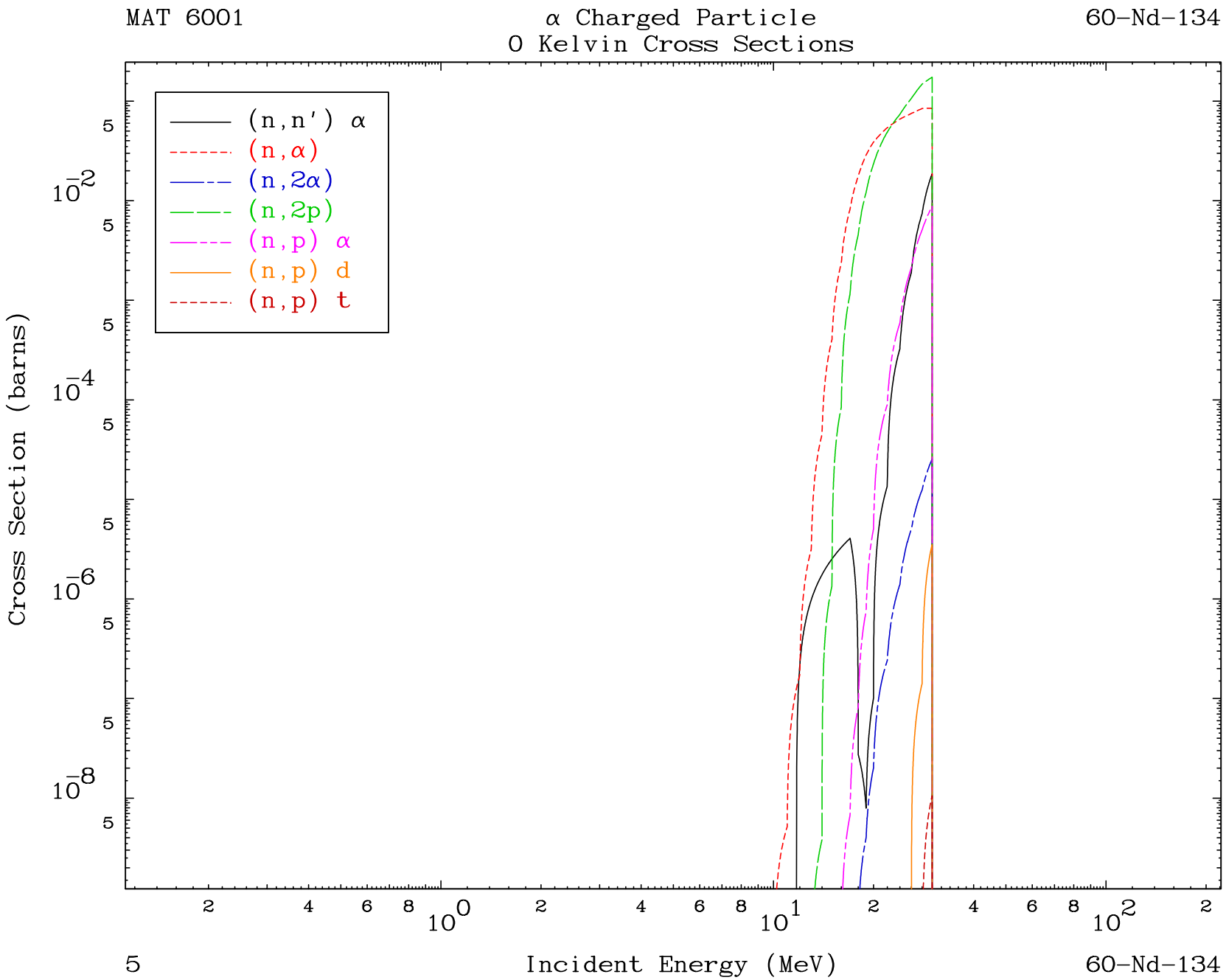
Press Mouse Button to Start

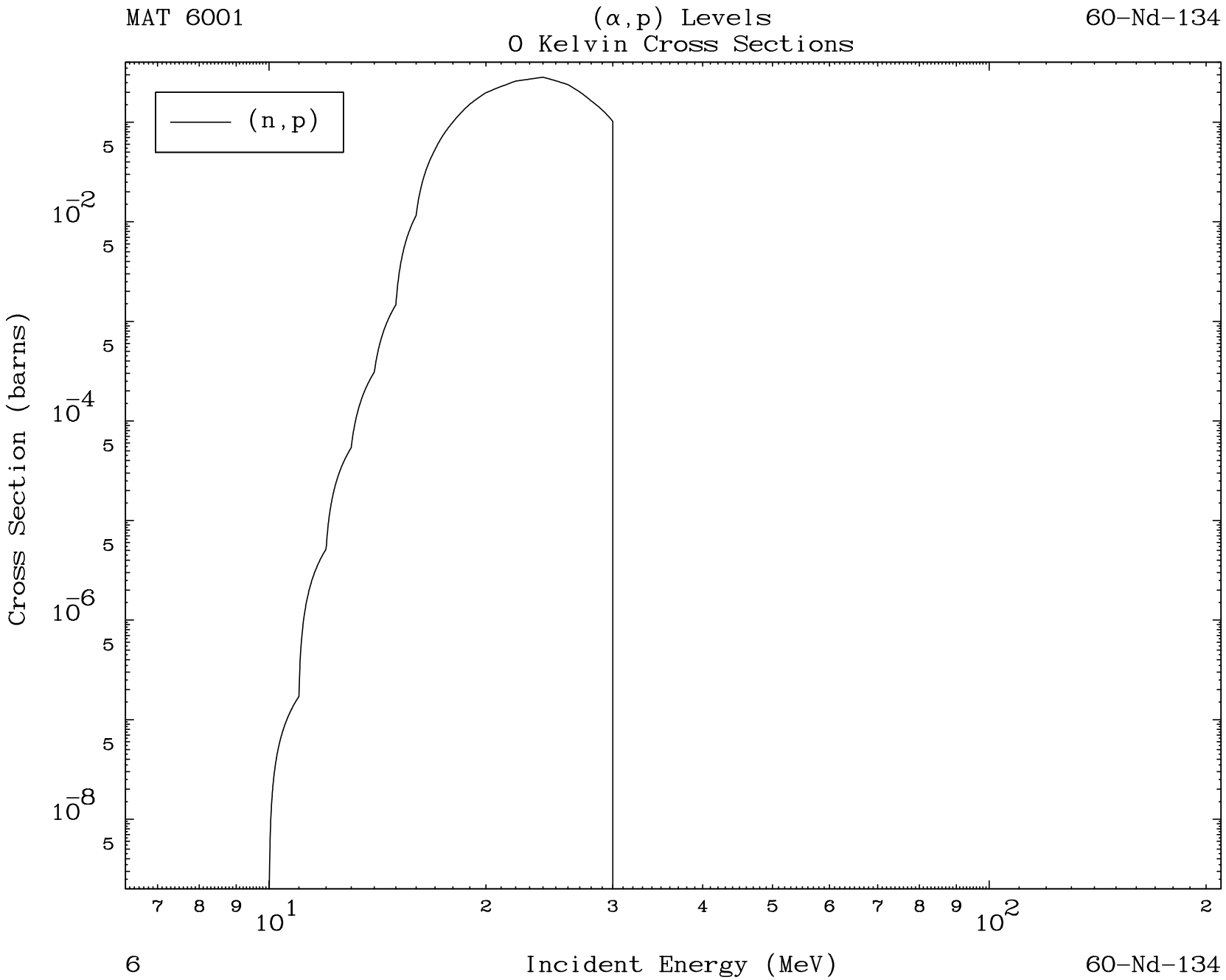

MAT 6001
α Major
60-Nd-134
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
2
4
6
8
10^1
10^2
1
Incident Energy (MeV)
60-Nd-134

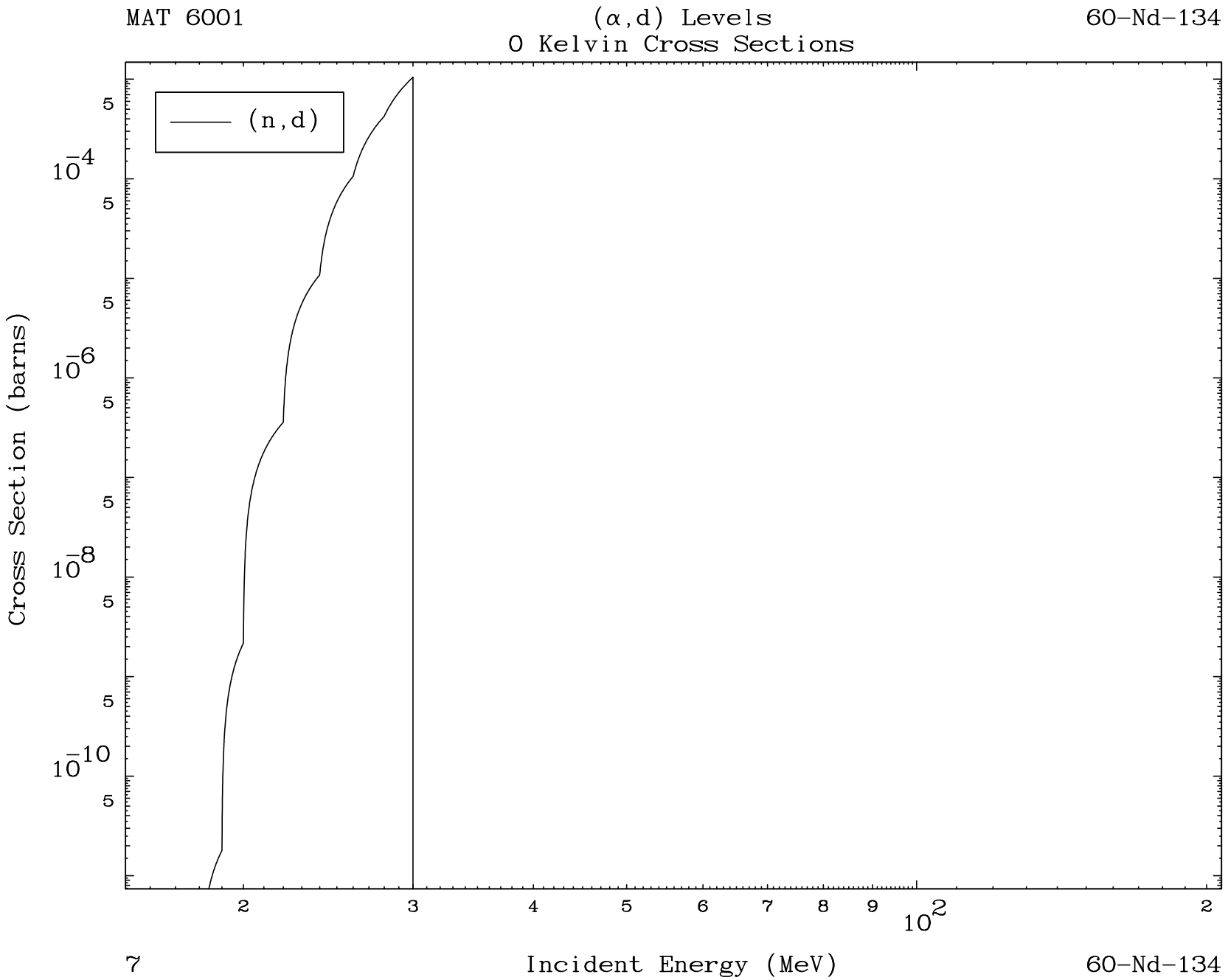

MAT 6001
α Neutron Absorption
0 Kelvin Cross Sections
60-Nd-134
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,2n) p
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-134

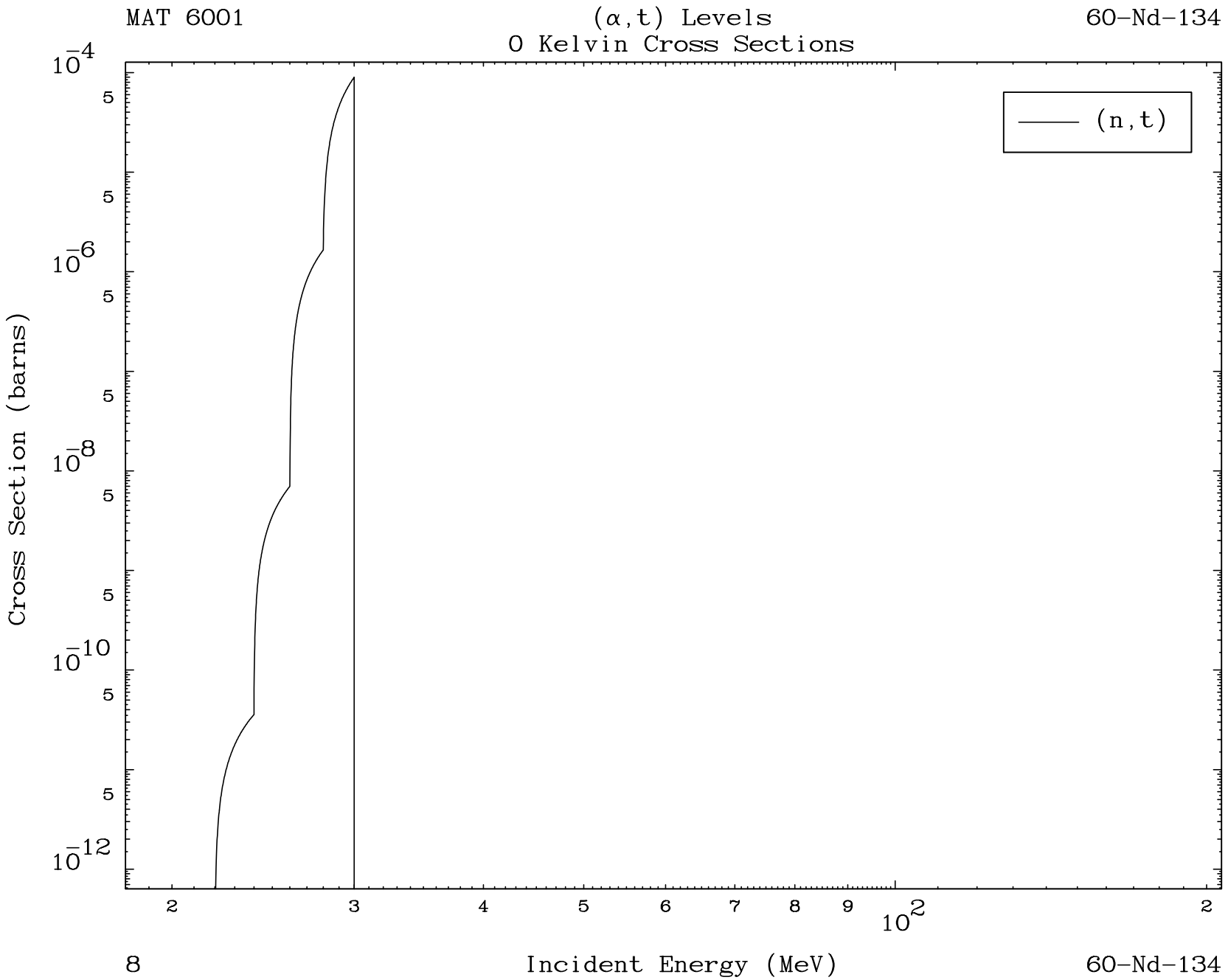

MAT 6001
α Neutron Absorption
0 Kelvin Cross Sections
60-Nd-134
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
3
60-Nd-134

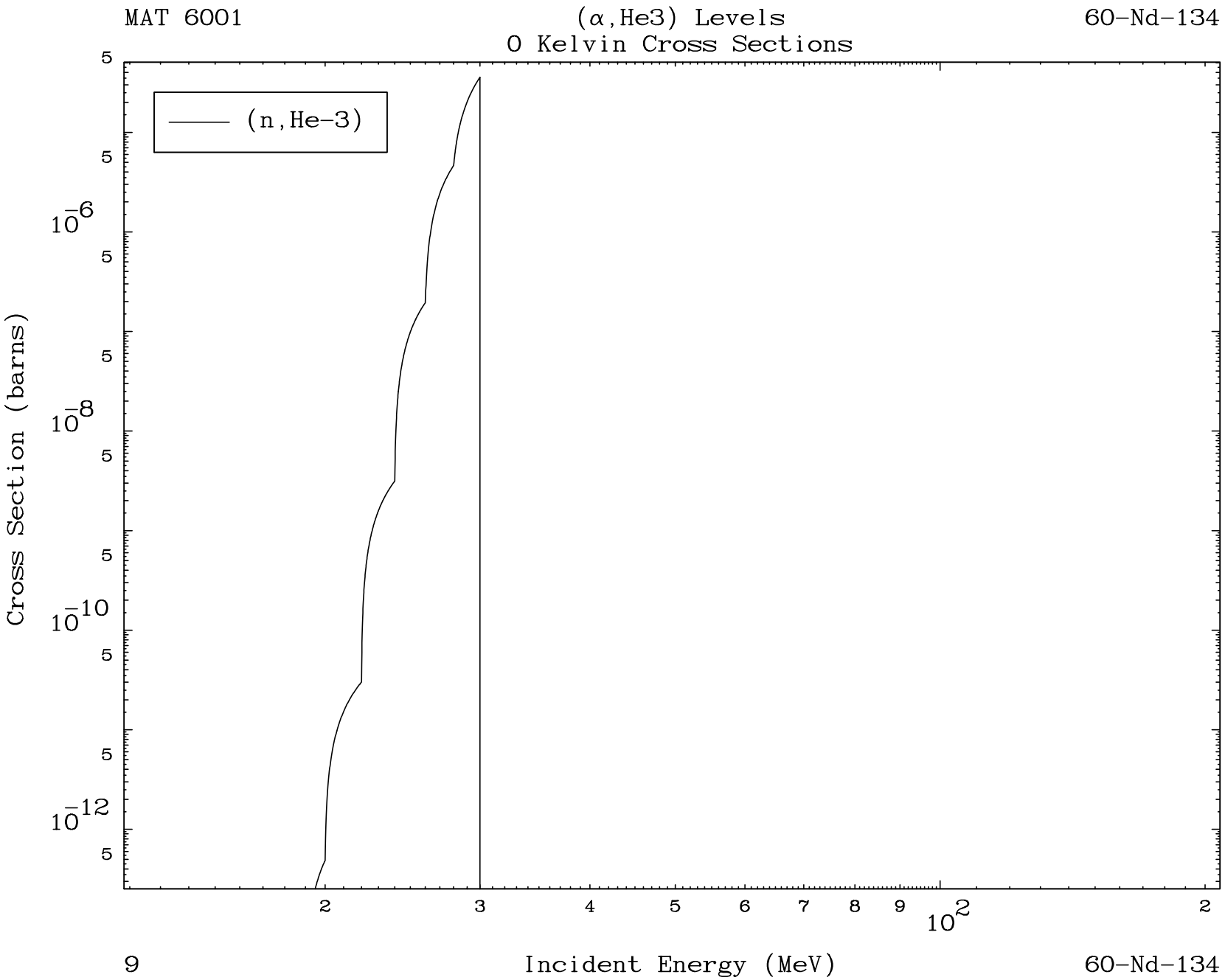

MAT 6001
α Charged Particle
0 Kelvin Cross Sections
60-Nd-134
(n,n') α
(n,2n) α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
60-Nd-134

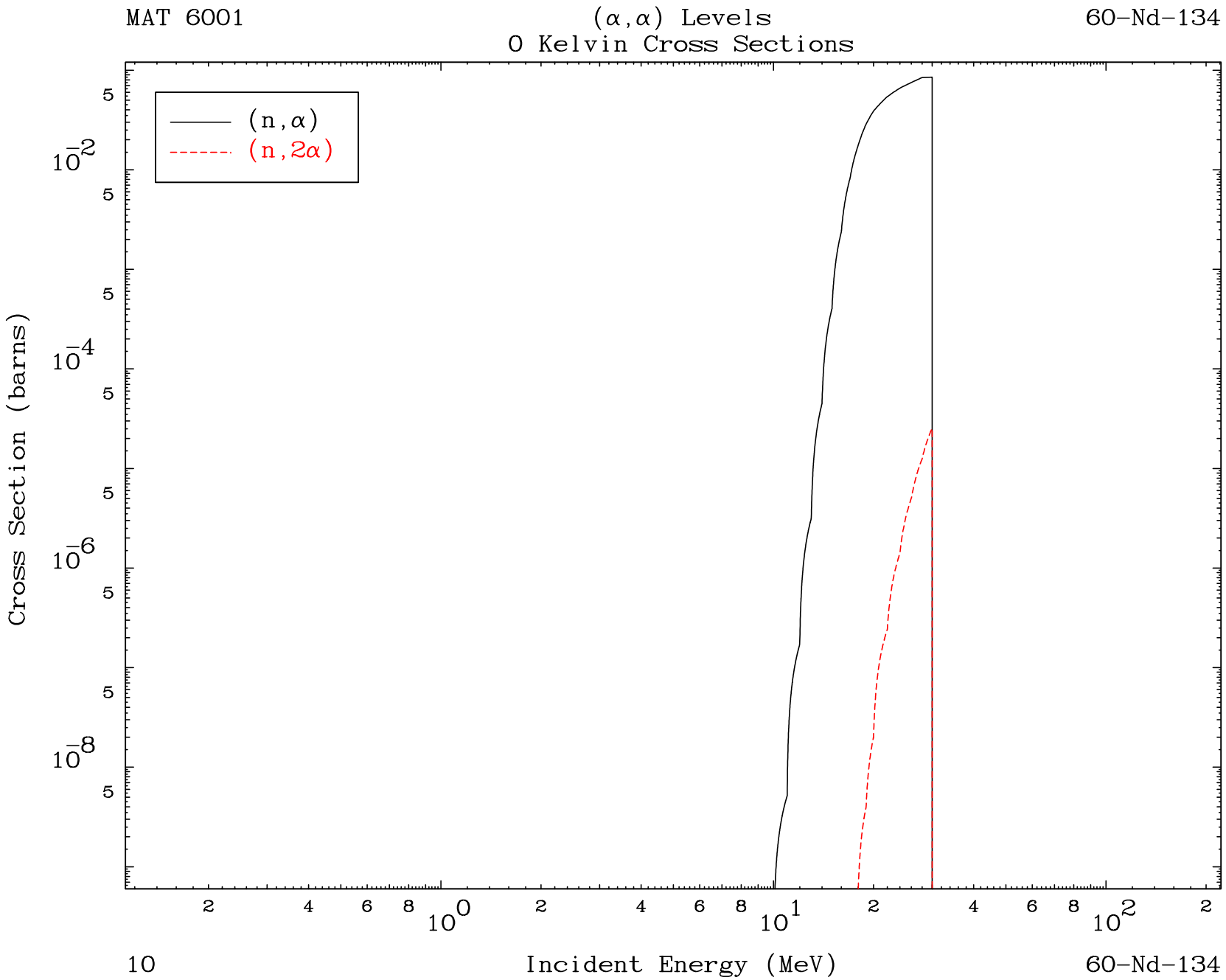

MAT 6001
α Charged Particle
0 Kelvin Cross Sections
60-Nd-134
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
60-Nd-134
5

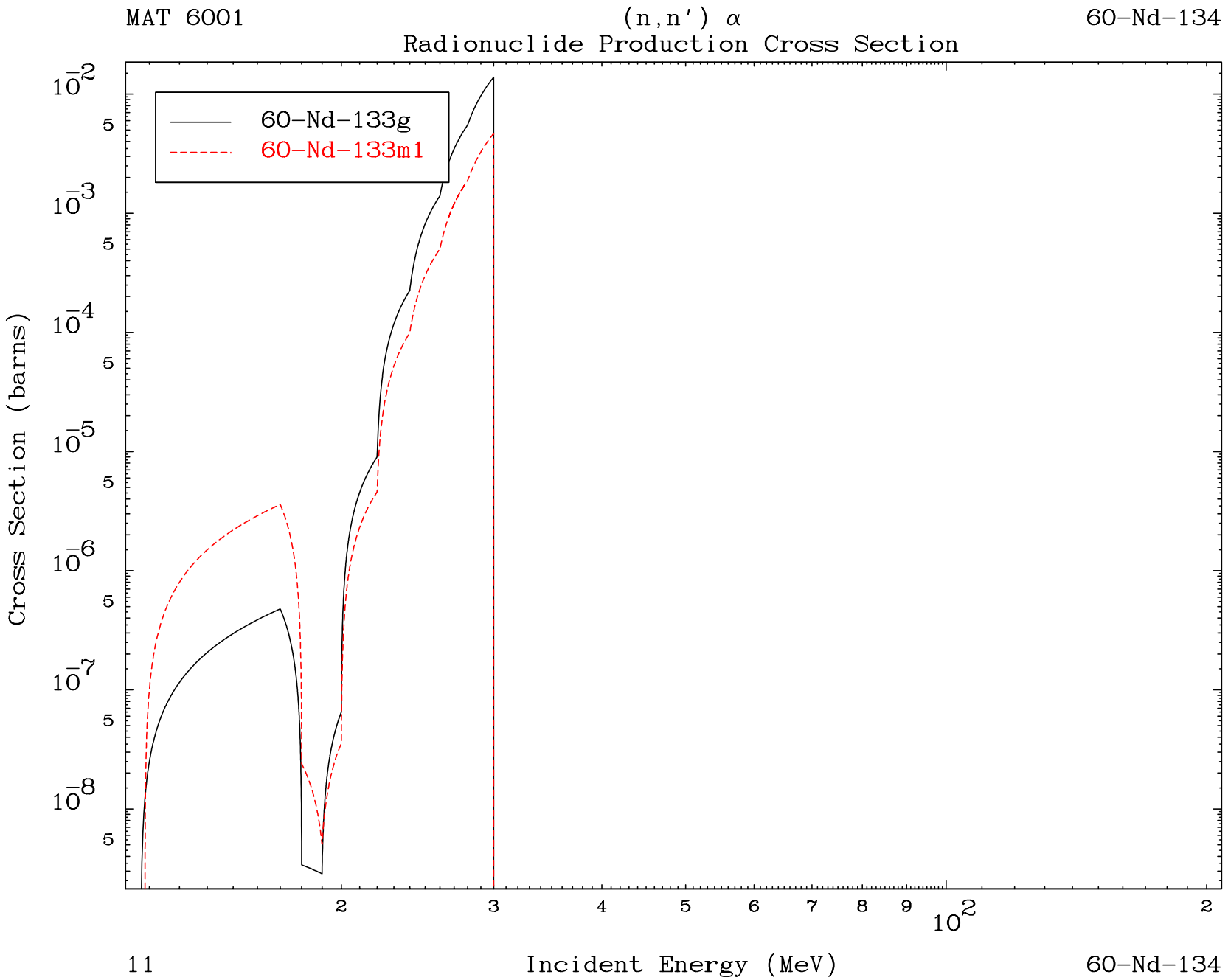

MAT 6001
(α,p) Levels
60-Nd-134
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
60-Nd-134

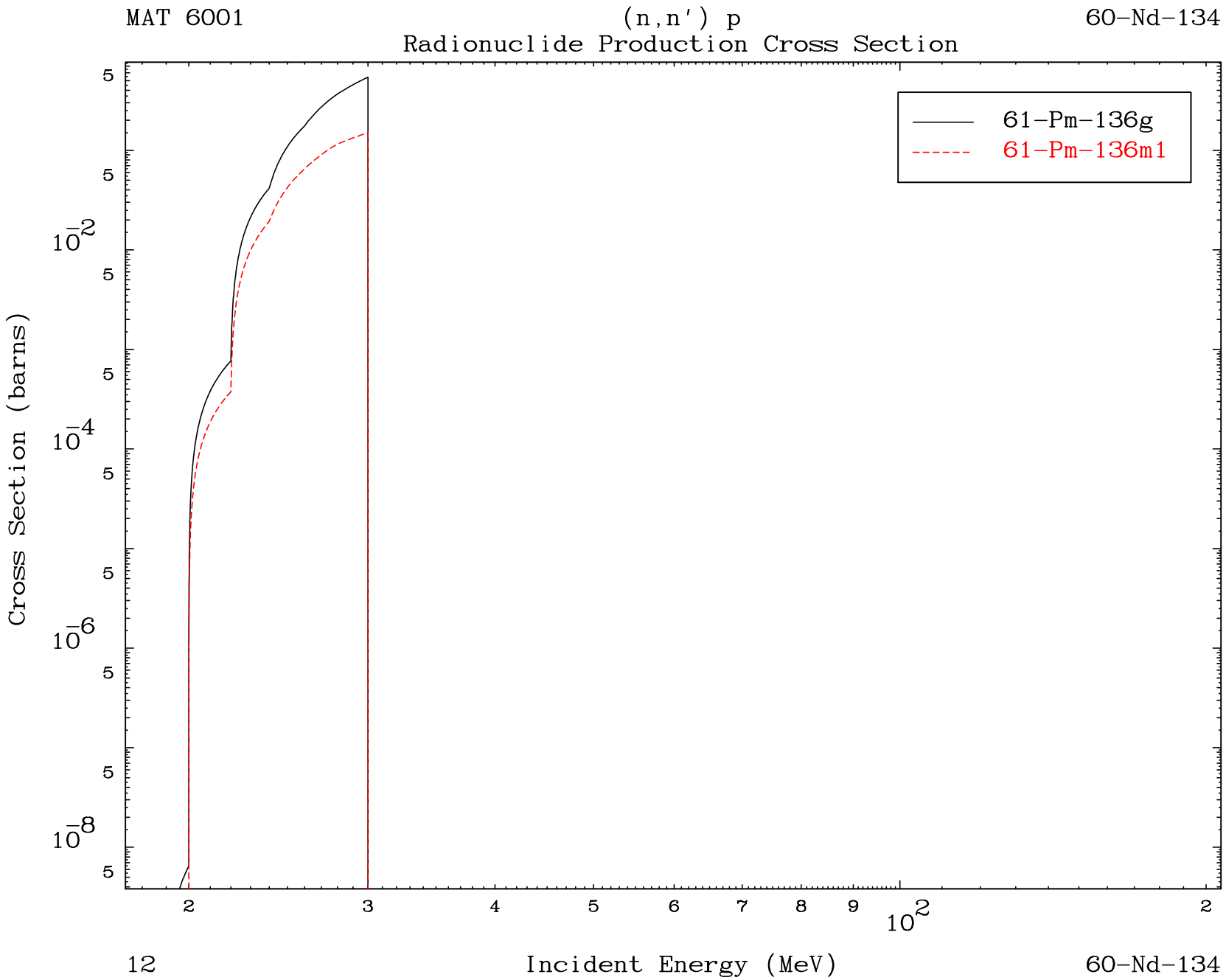

MAT 6001
(α,d) Levels
60-Nd-134
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
60-Nd-134

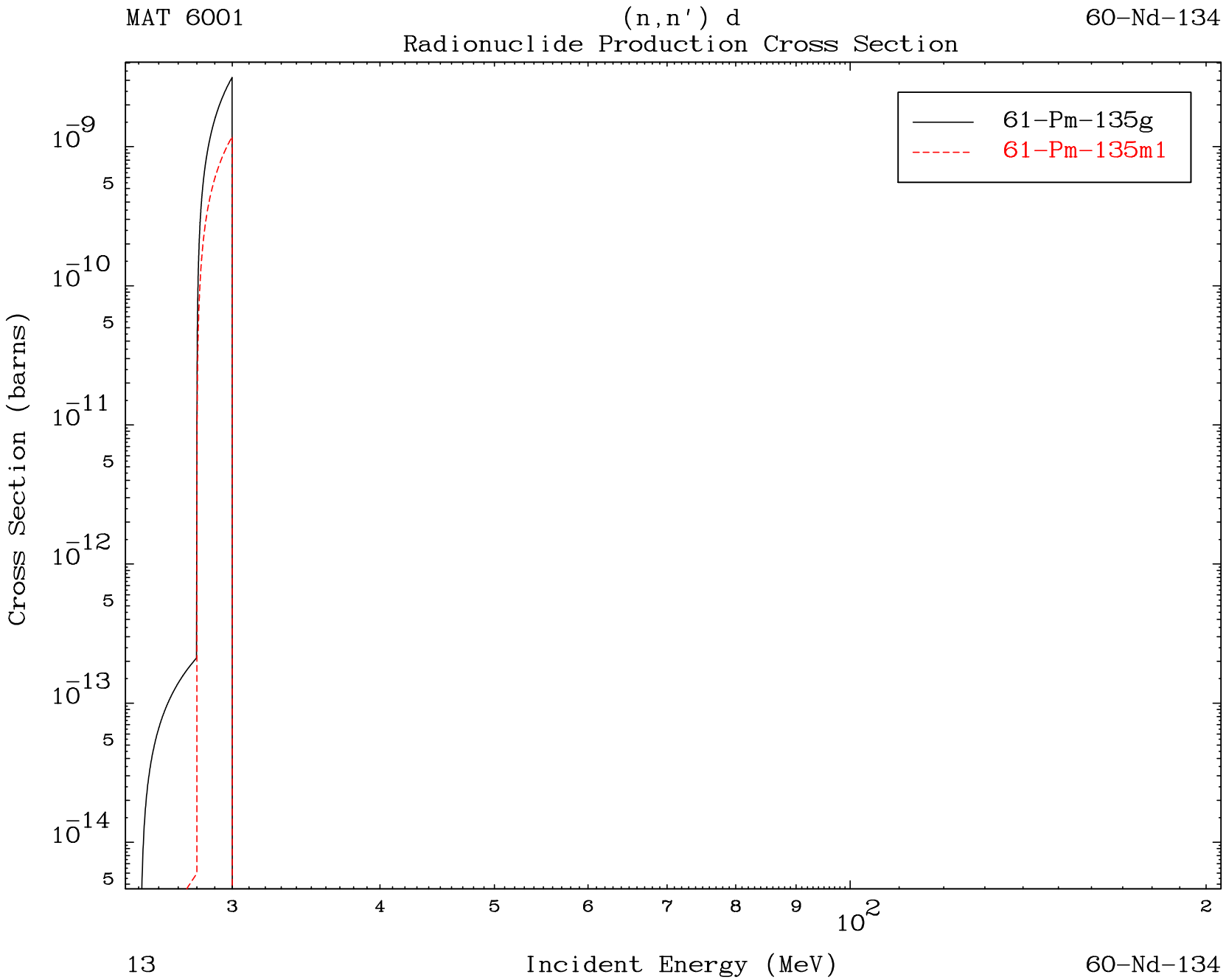

MAT 6001
(α,t) Levels
60-Nd-134
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
8
Incident Energy (MeV)
60-Nd-134

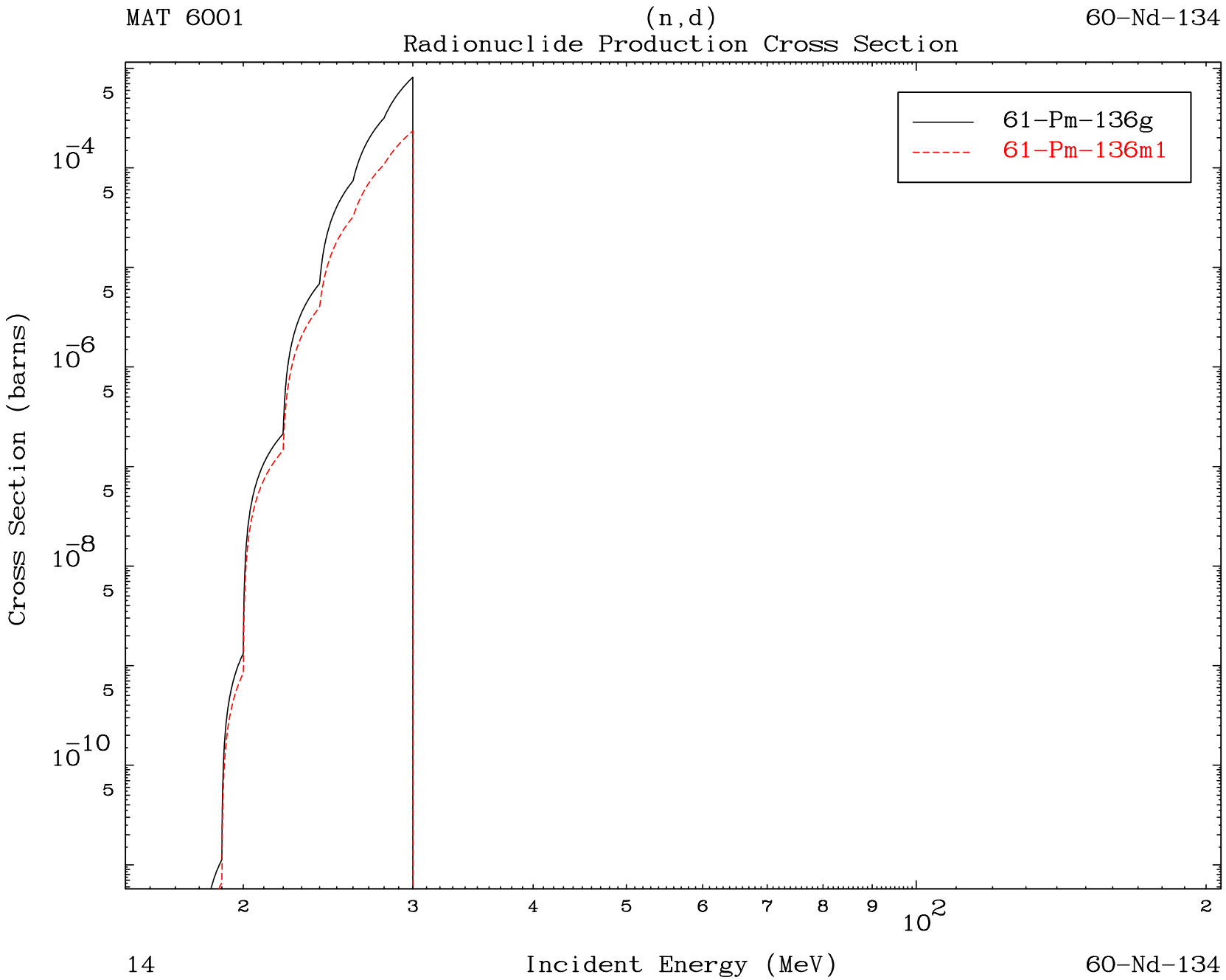

MAT 6001
(α,He3) Levels
60-Nd-134
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
60-Nd-134

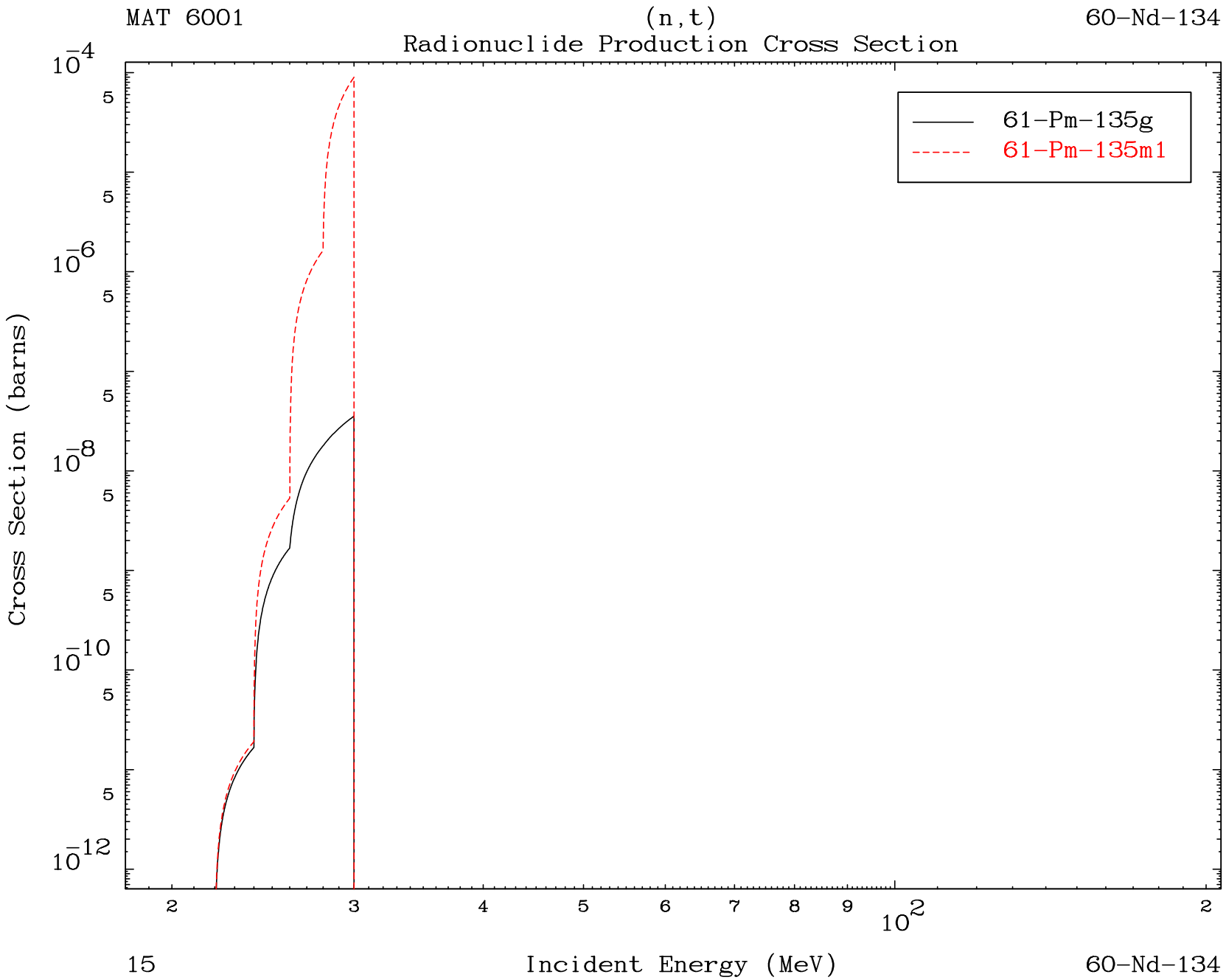

MAT 6001
(α,α) Levels
60-Nd-134
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
60-Nd-134

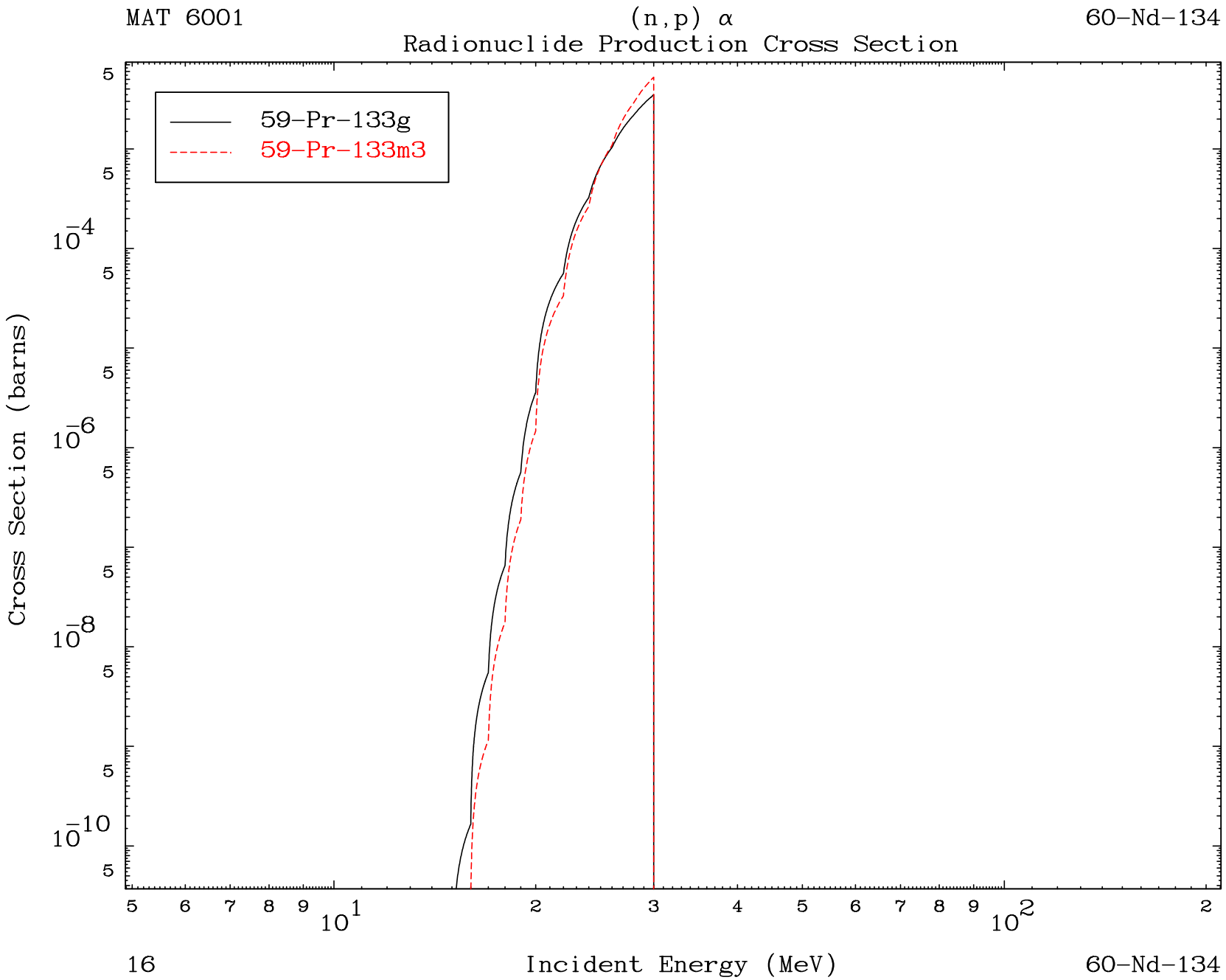

MAT 6001
(n,n') α
60-Nd-134
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
Incident Energy (MeV)
11
60-Nd-134


MAT 6001
(n,n') p
60-Nd-134
Radionuclide Production Cross Section
61-Pm-136g
61-Pm-136m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
60-Nd-134


MAT 6001
(n,n') d
60-Nd-134
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
60-Nd-134


MAT 6001
(n,d)
60-Nd-134
Radionuclide Production Cross Section
61-Pm-136g
61-Pm-136m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
14
60-Nd-134


MAT 6001
(n,t)
60-Nd-134
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
Incident Energy (MeV)
15
60-Nd-134


MAT 6001
(n,p) α
60-Nd-134
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
Incident Energy (MeV)
16
60-Nd-134