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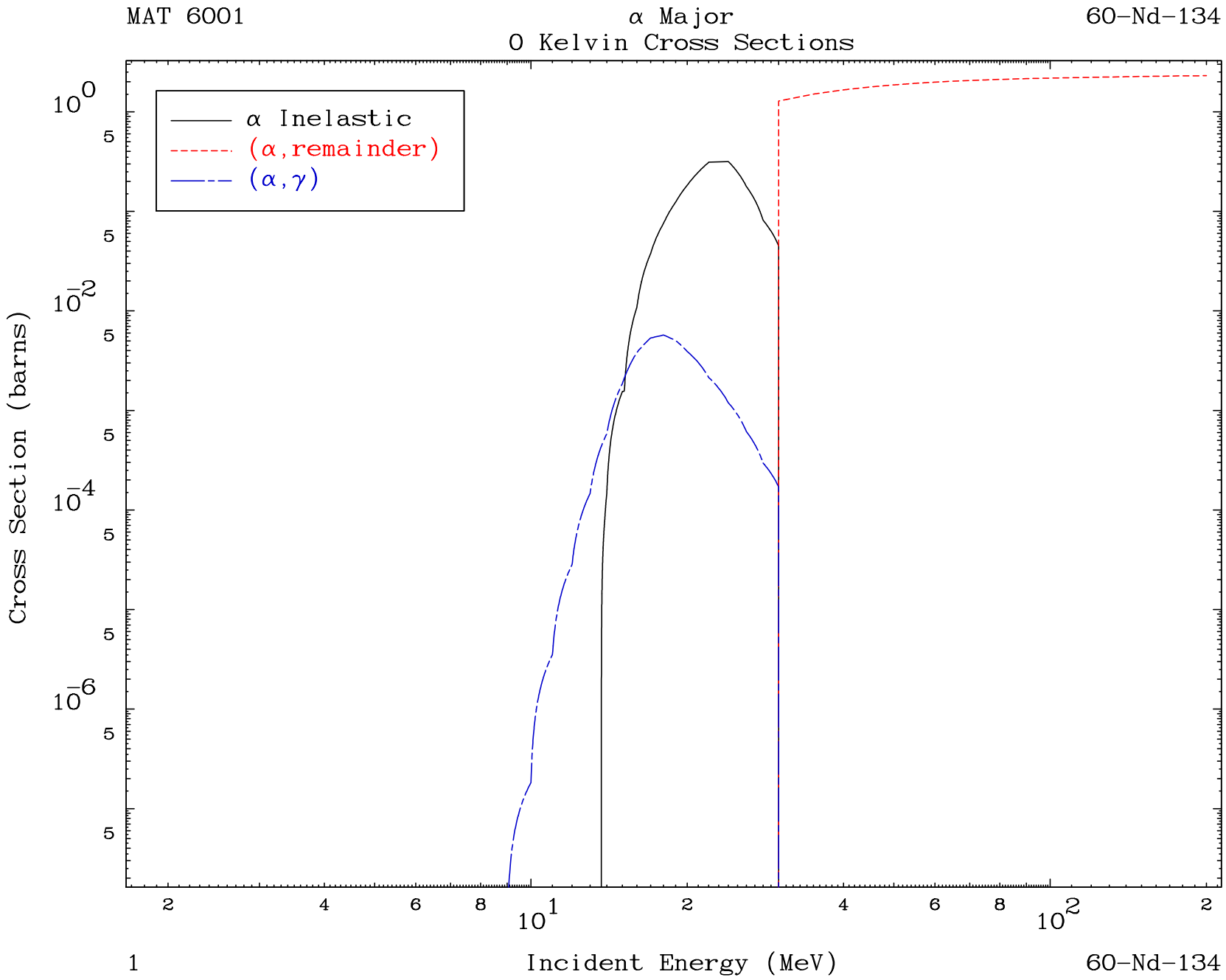
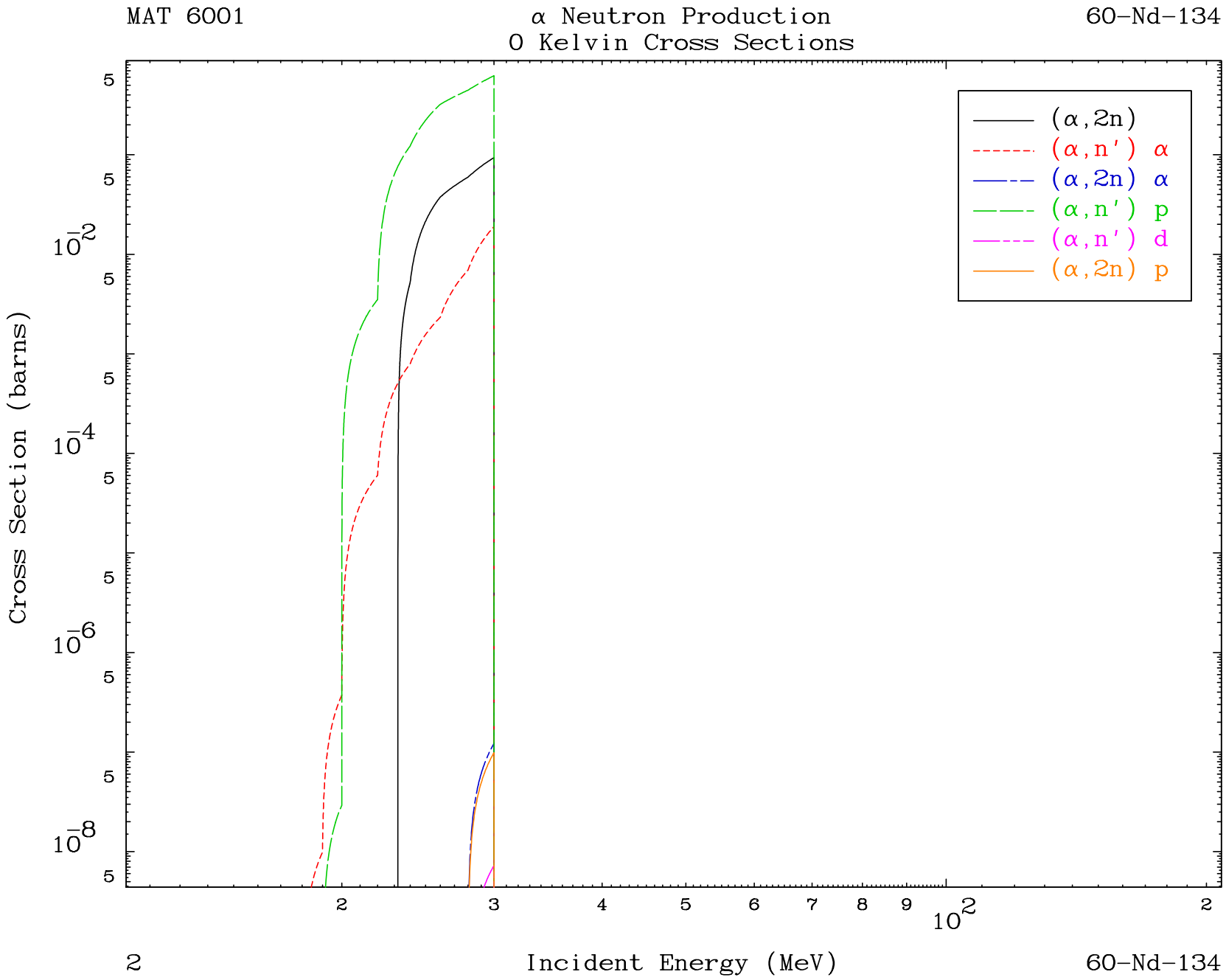
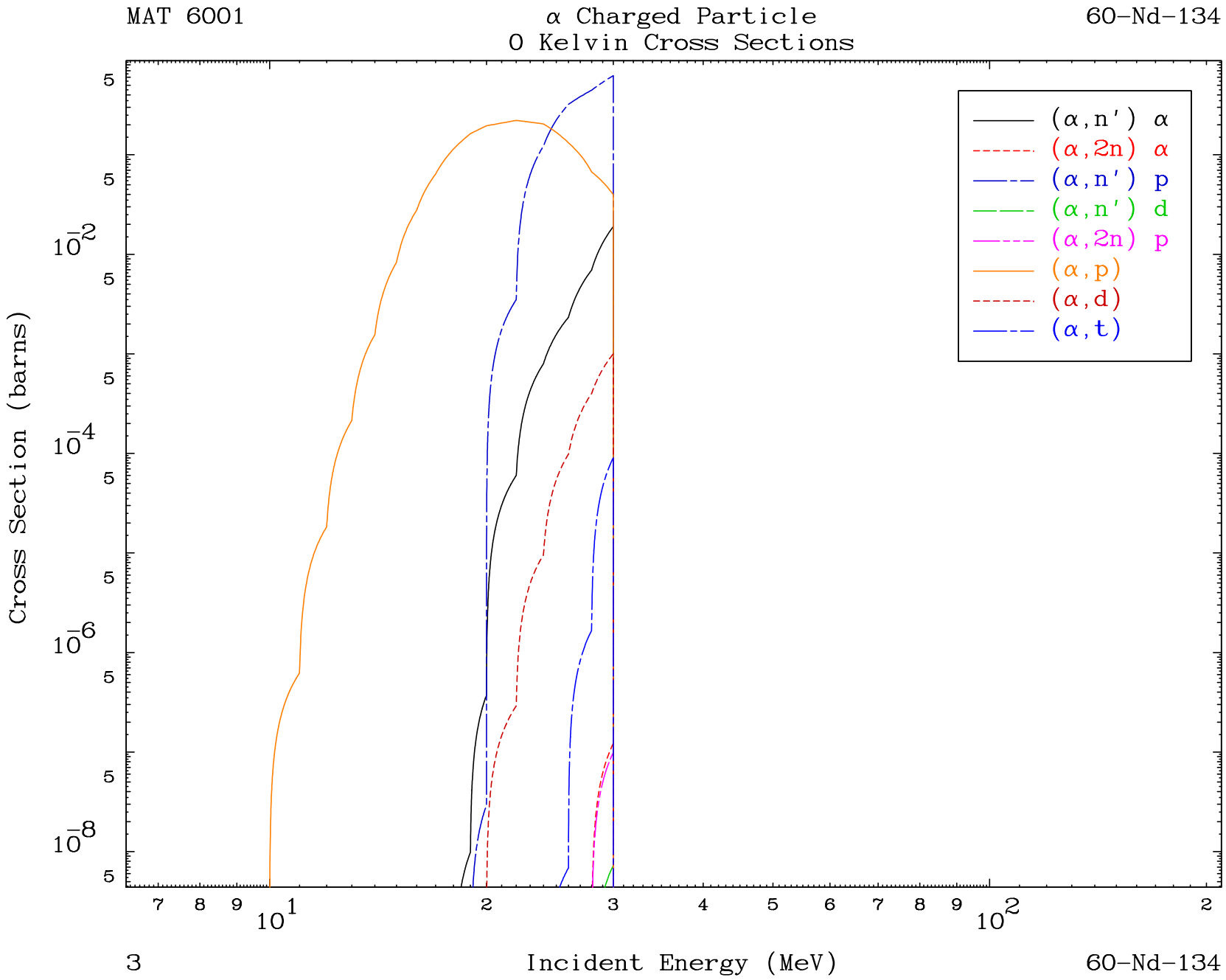
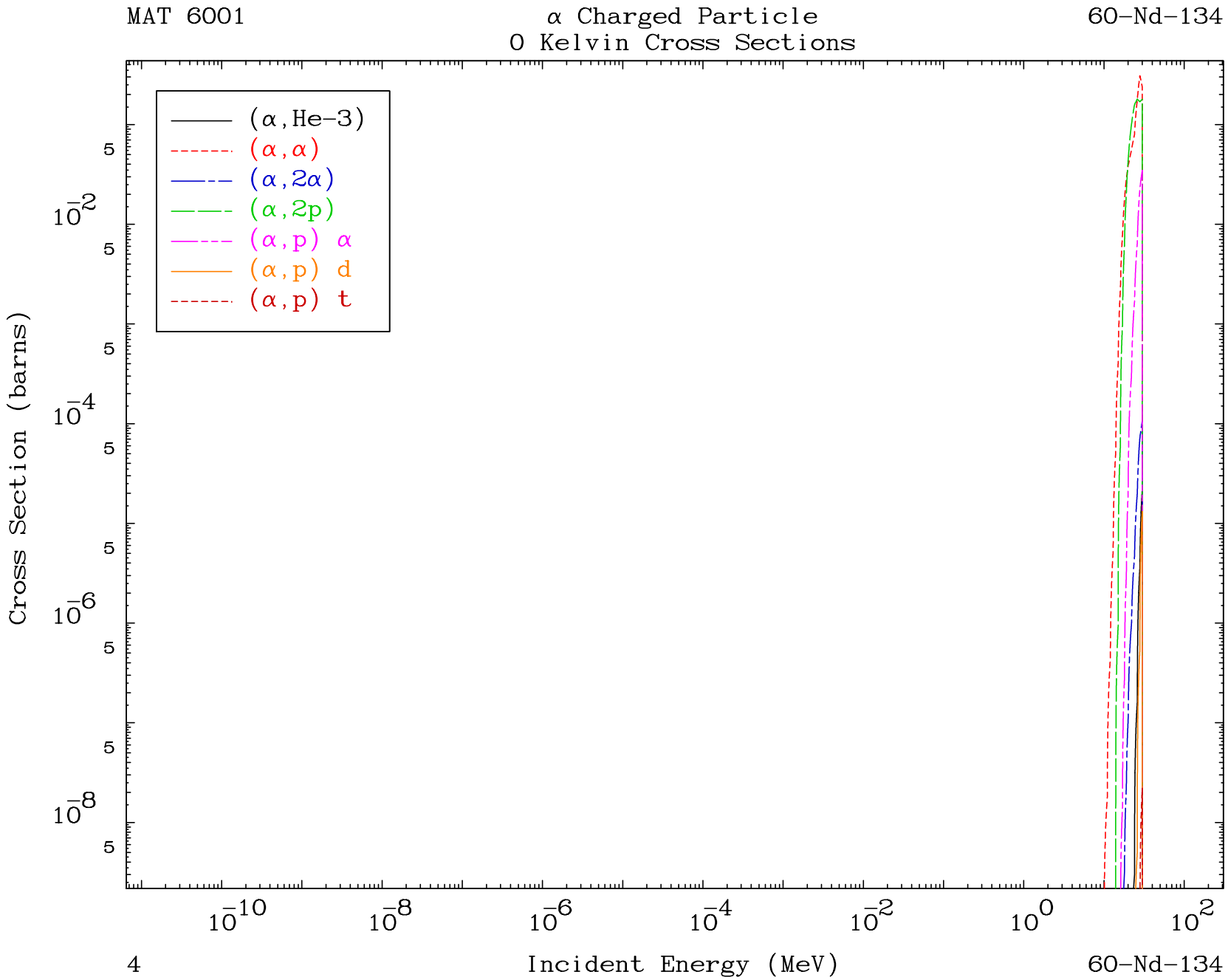
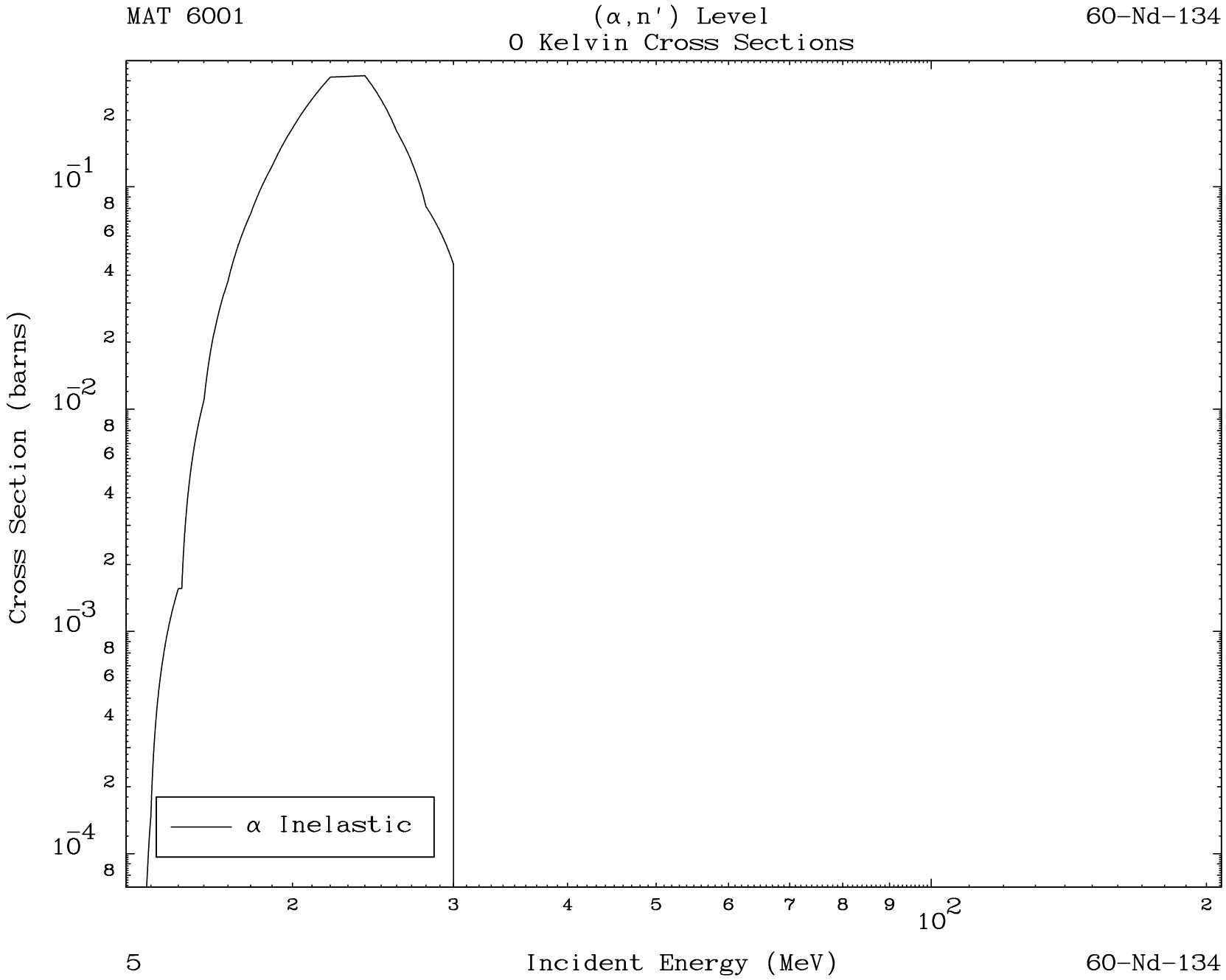
Press Mouse Button to Start

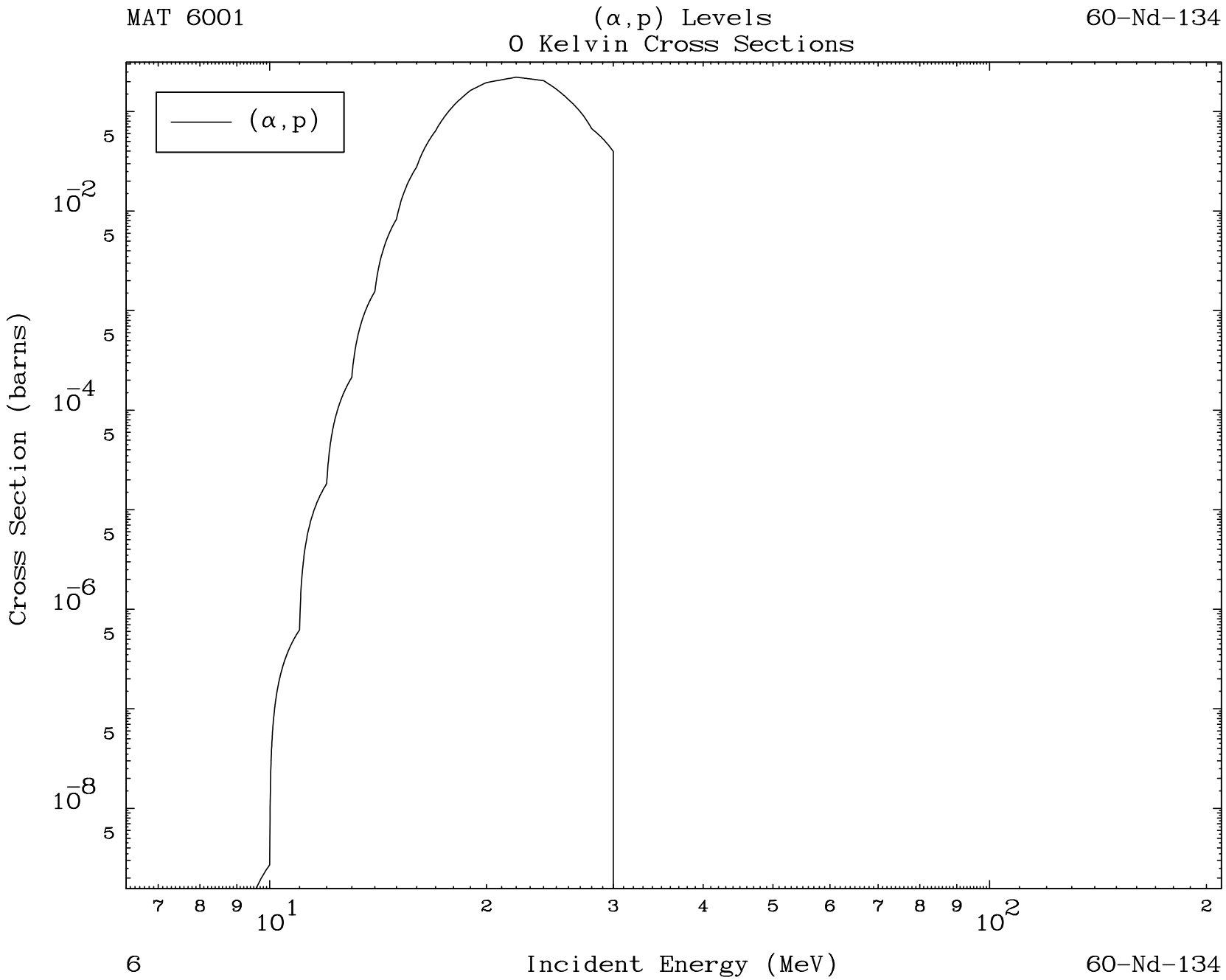

MAT 6001
α Major
60-Nd-134
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-134

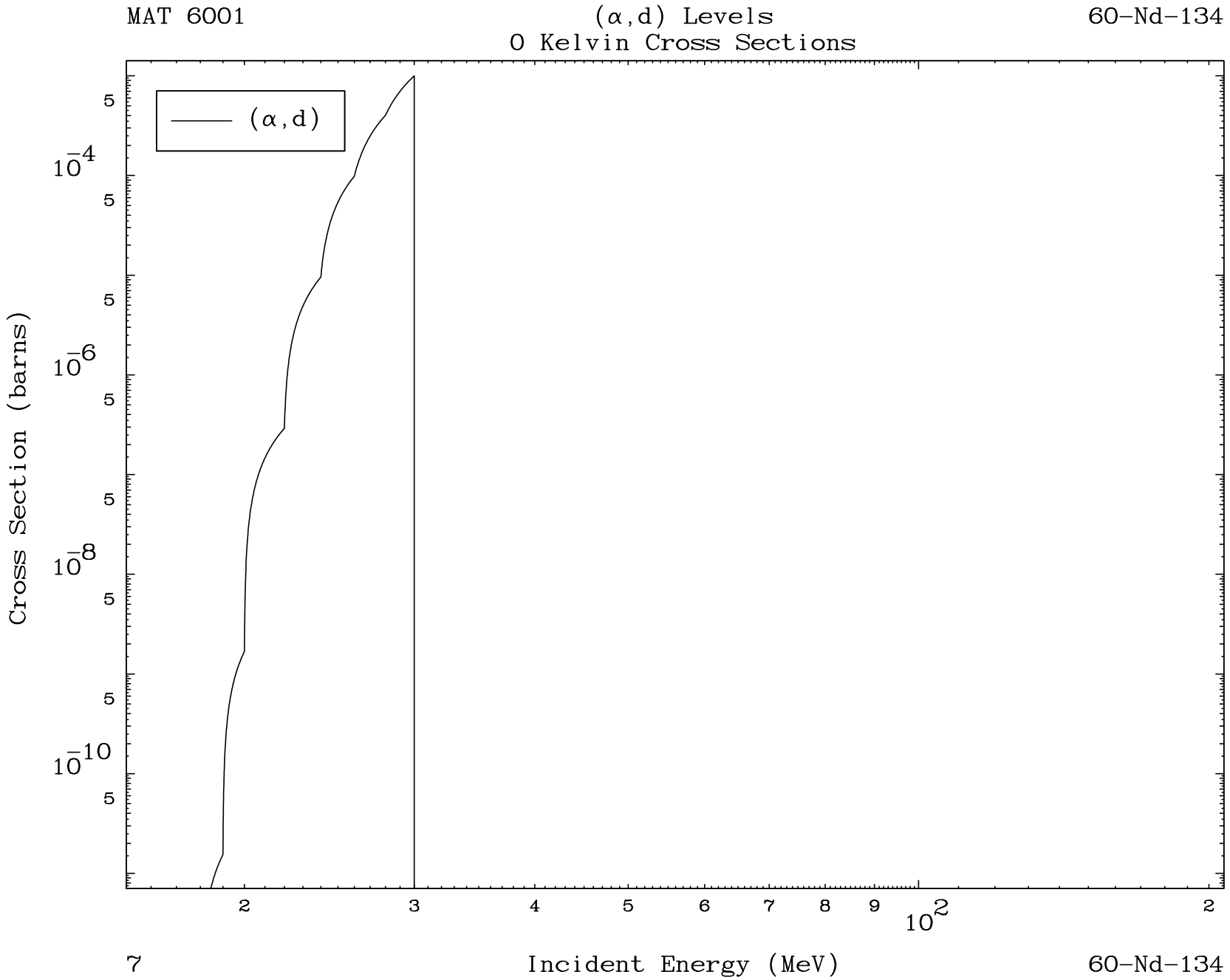

MAT 6001
α Neutron Production
0 Kelvin Cross Sections
60-Nd-134
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
2
Incident Energy (MeV)
60-Nd-134

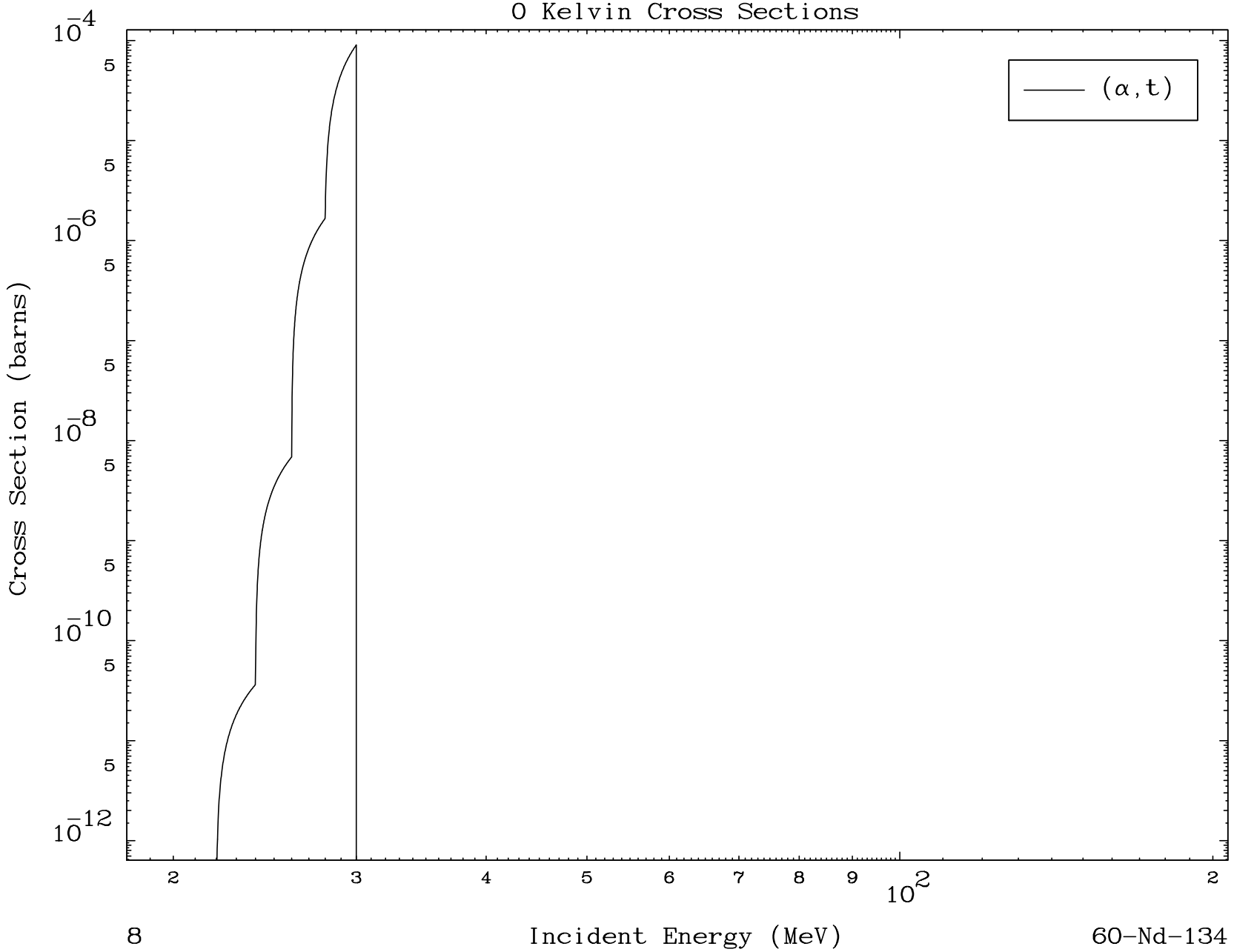

MAT 6001
α Charged Particle
0 Kelvin Cross Sections
60-Nd-134
Cross Section (barns)
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
(α,p)
(α,d)
(α,t)
3
60-Nd-134

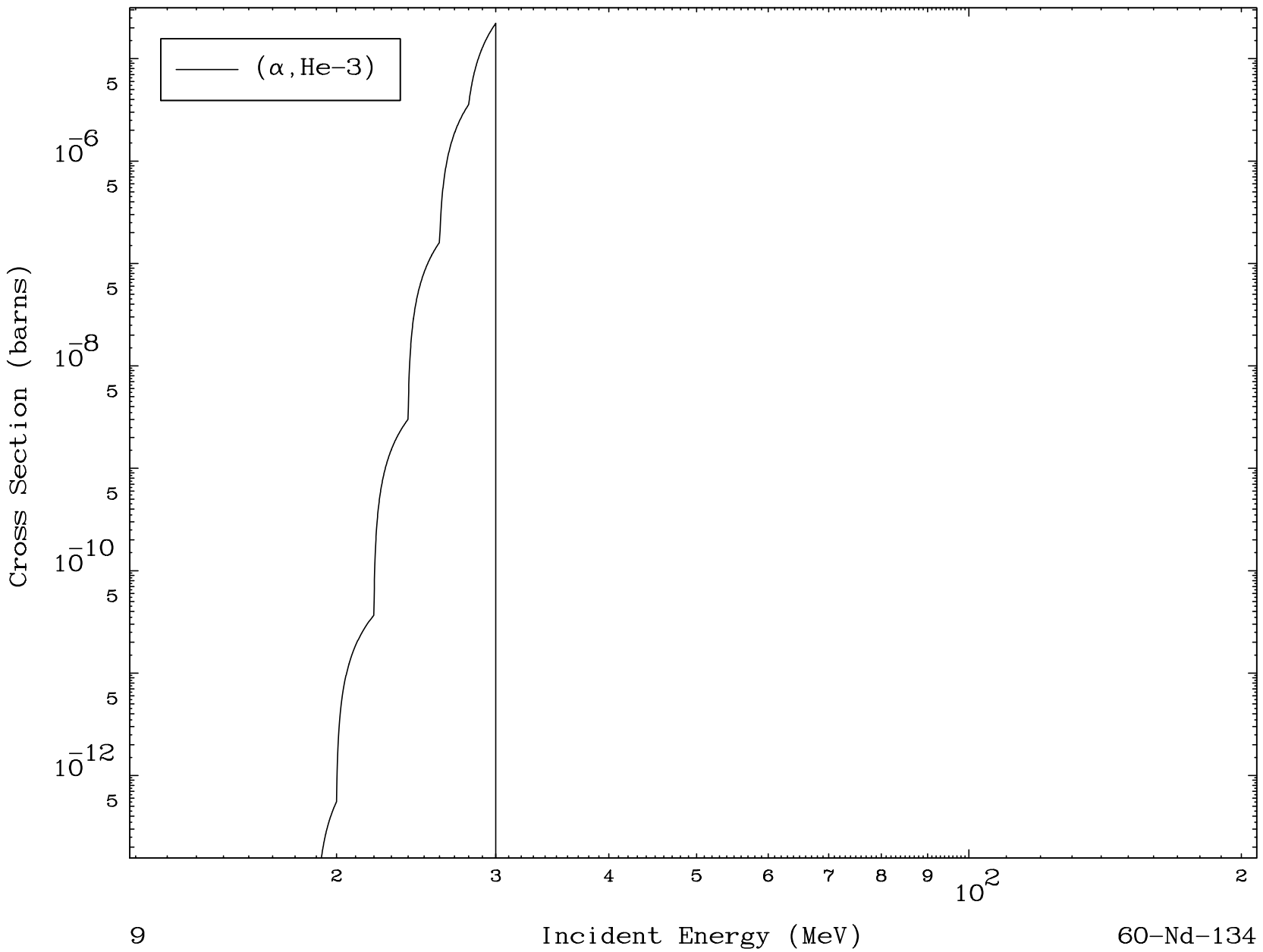

MAT 6001
α Charged Particle
0 Kelvin Cross Sections
60-Nd-134
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
60-Nd-134

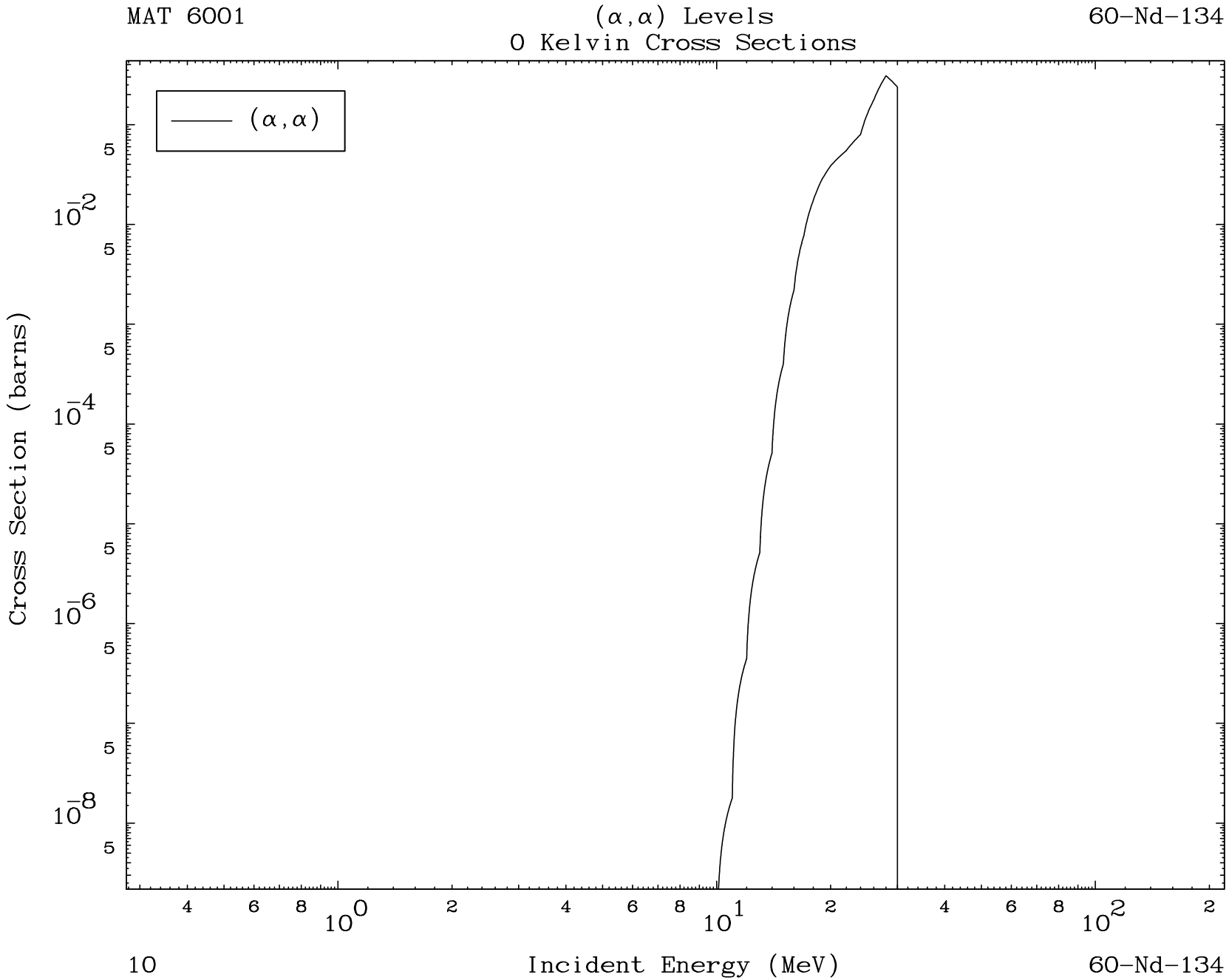

MAT 6001
(α,n') Level
60-Nd-134
0 Kelvin Cross Sections
Cross Section (barns)
10^-1
10^-2
10^-3
10^-4
α Inelastic
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
5
60-Nd-134

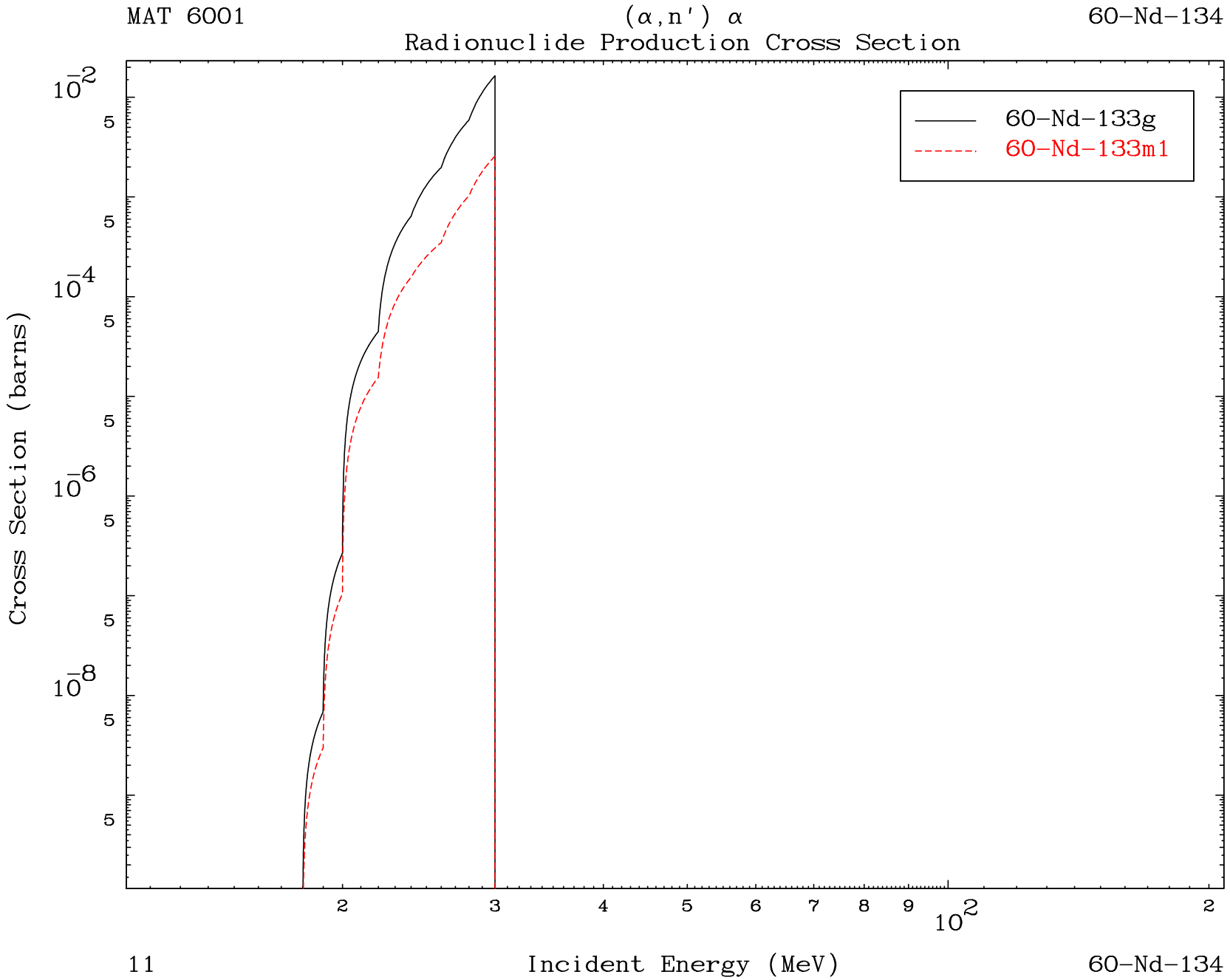

MAT 6001
(α,p) Levels
60-Nd-134
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
60-Nd-134

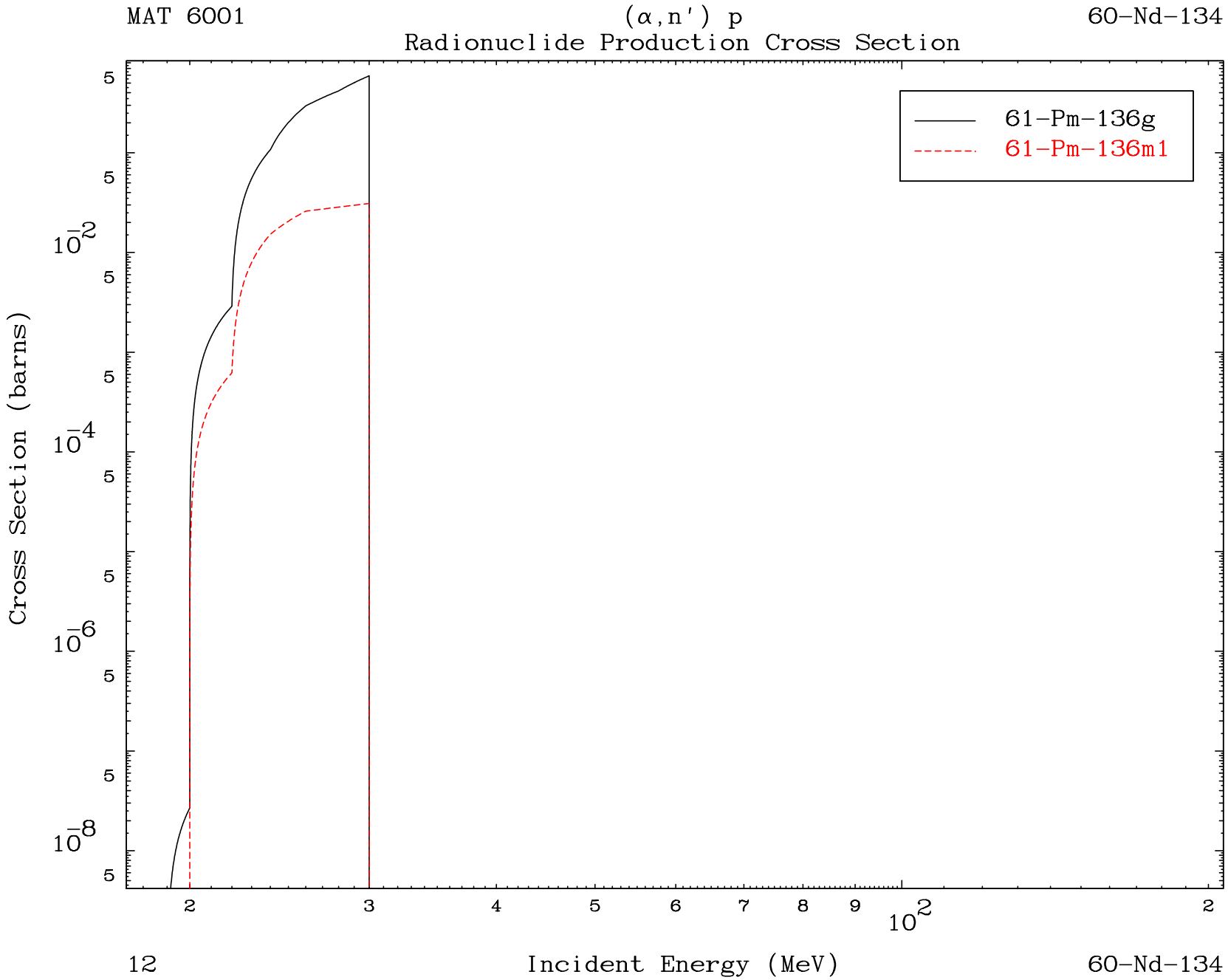

MAT 6001
(α,d) Levels
60-Nd-134
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
60-Nd-134

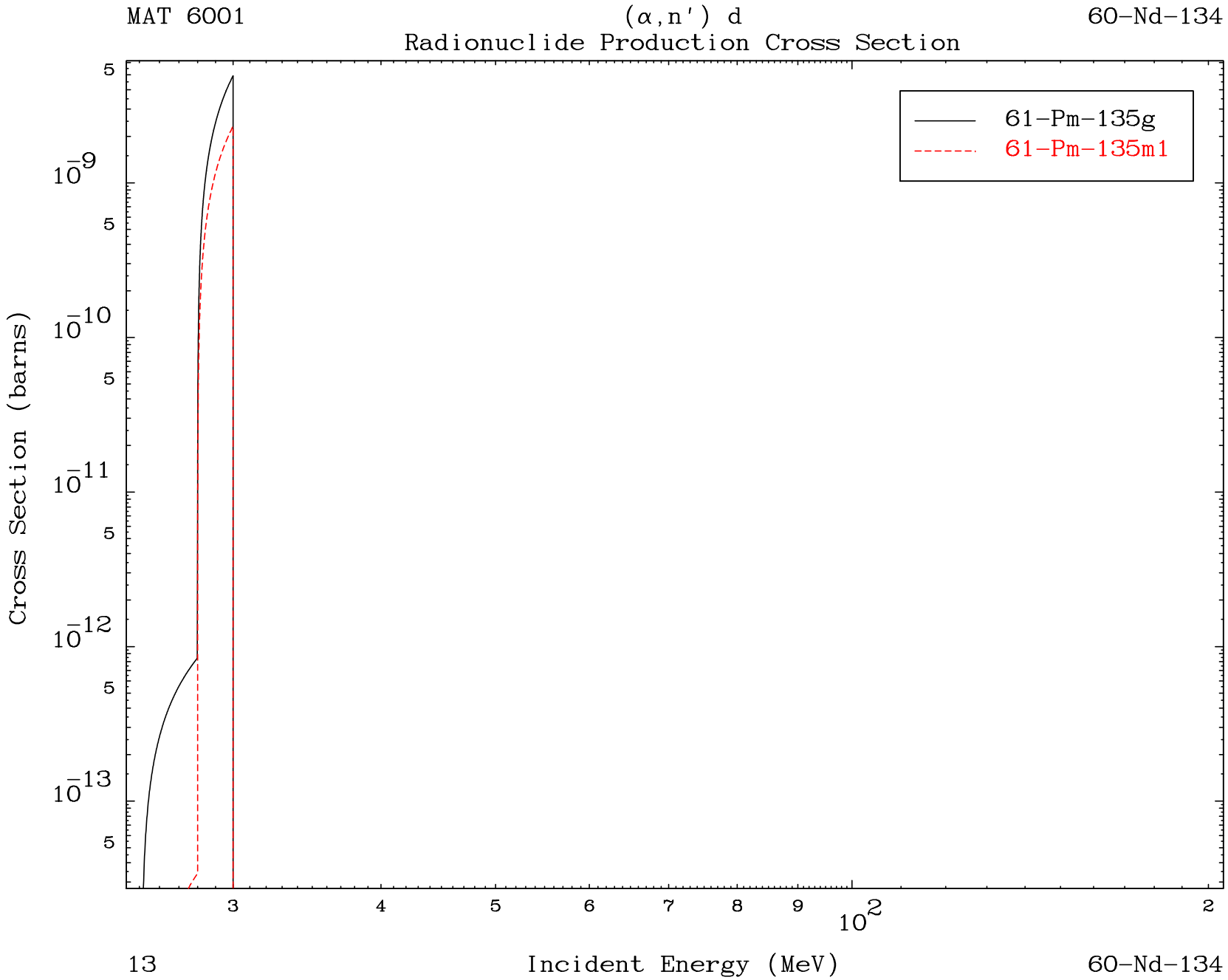

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

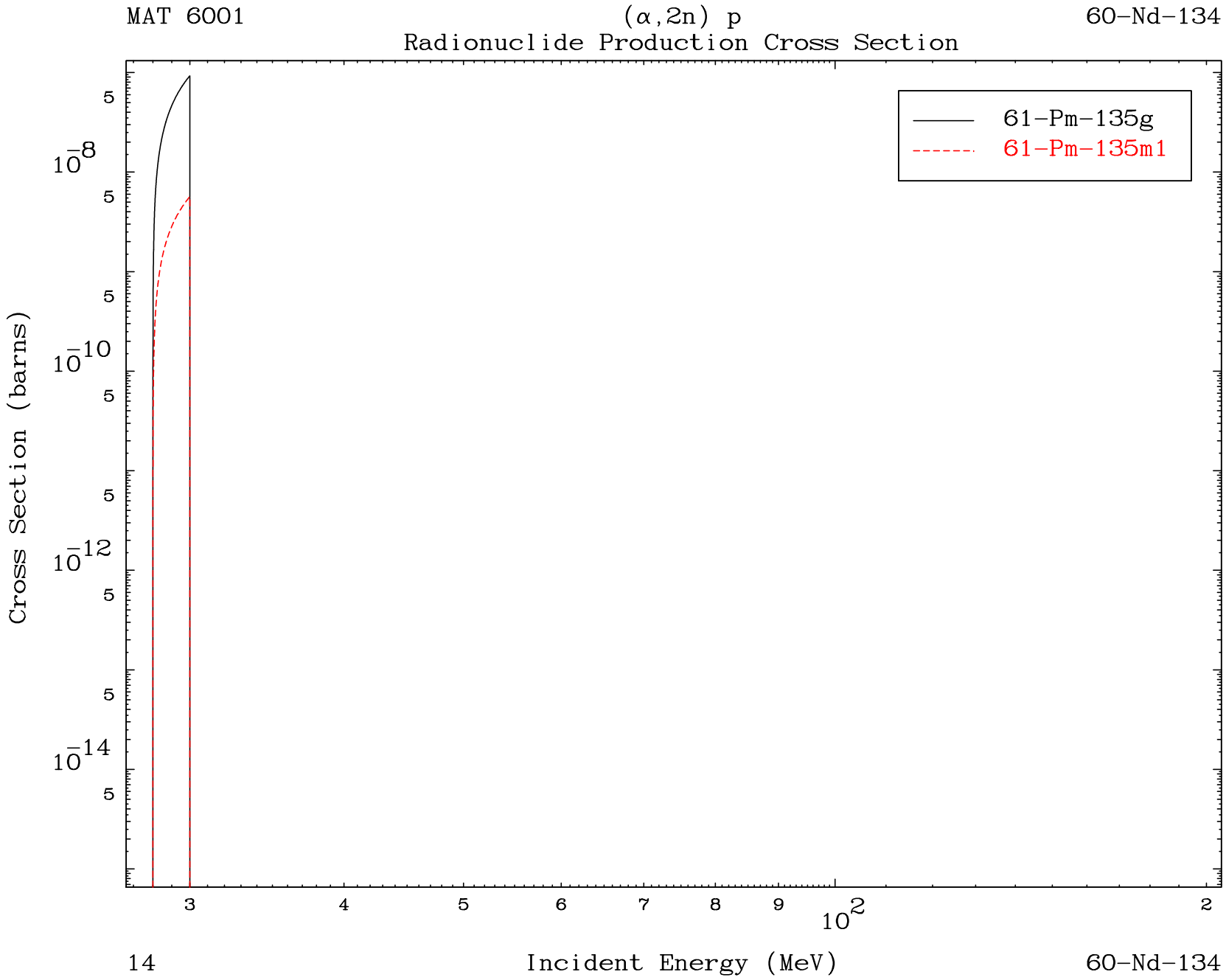

0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

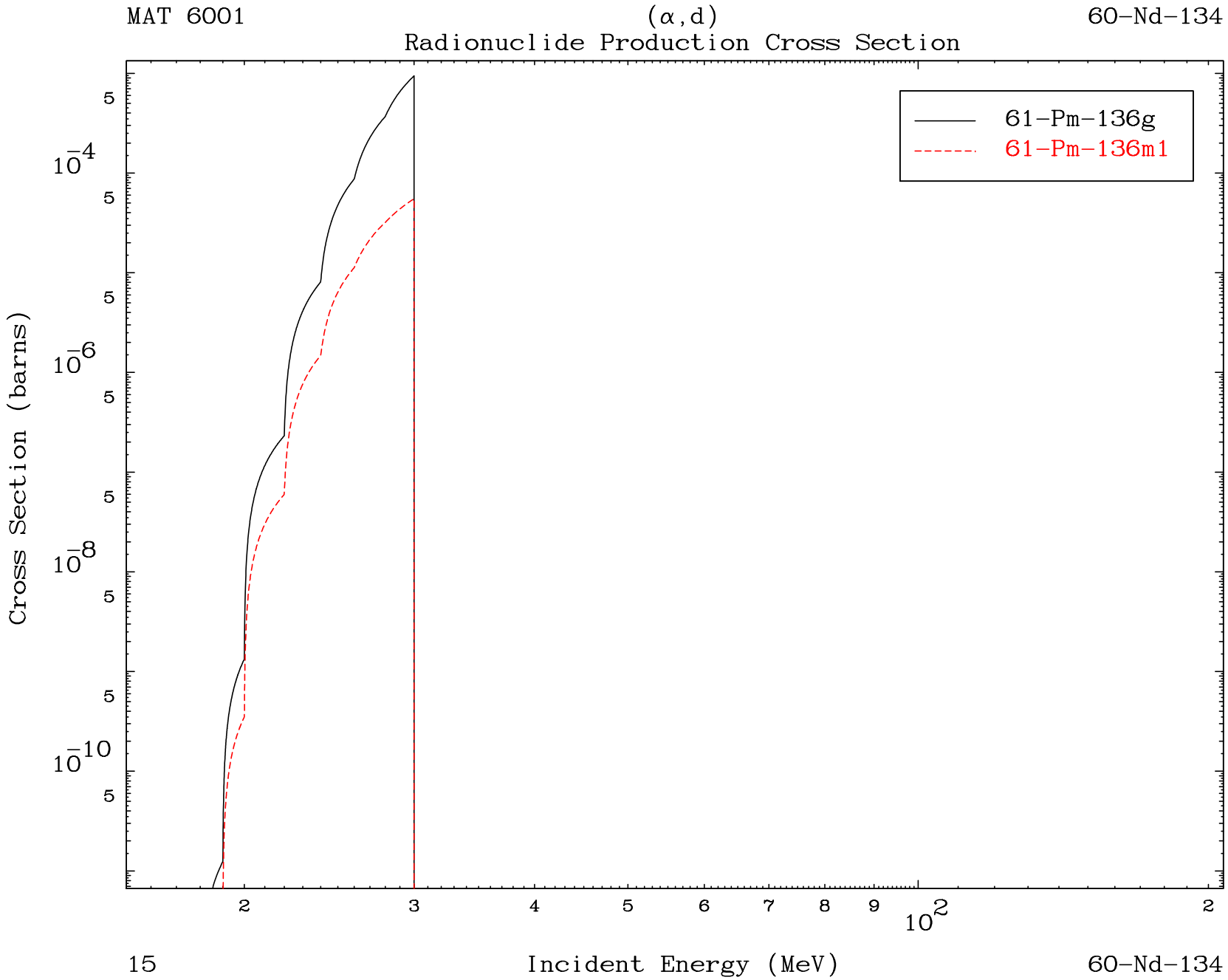

MAT 6001
(α,α) Levels
60-Nd-134
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-134
10

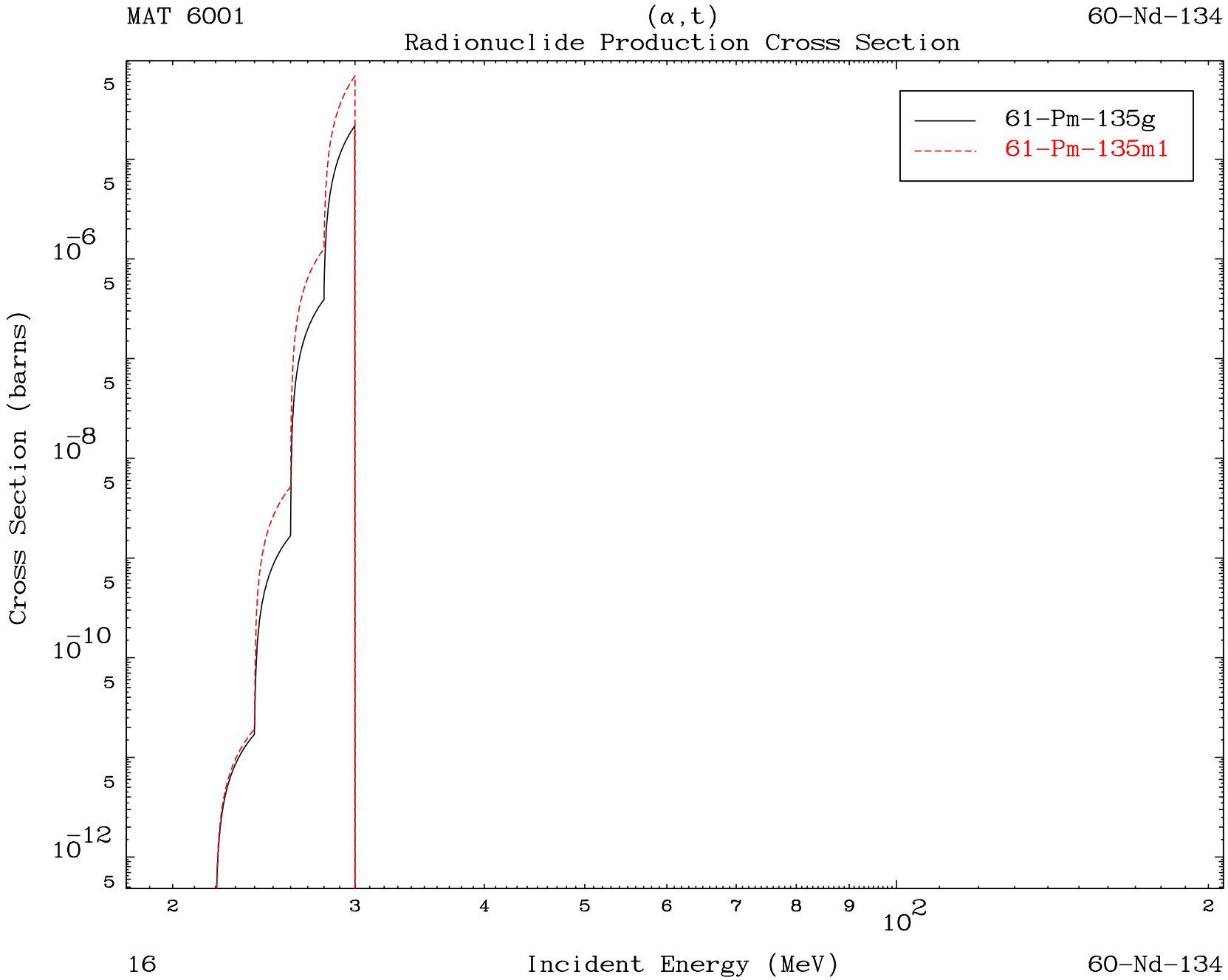

MAT 6001
(α,n') α
60-Nd-134
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
60-Nd-134

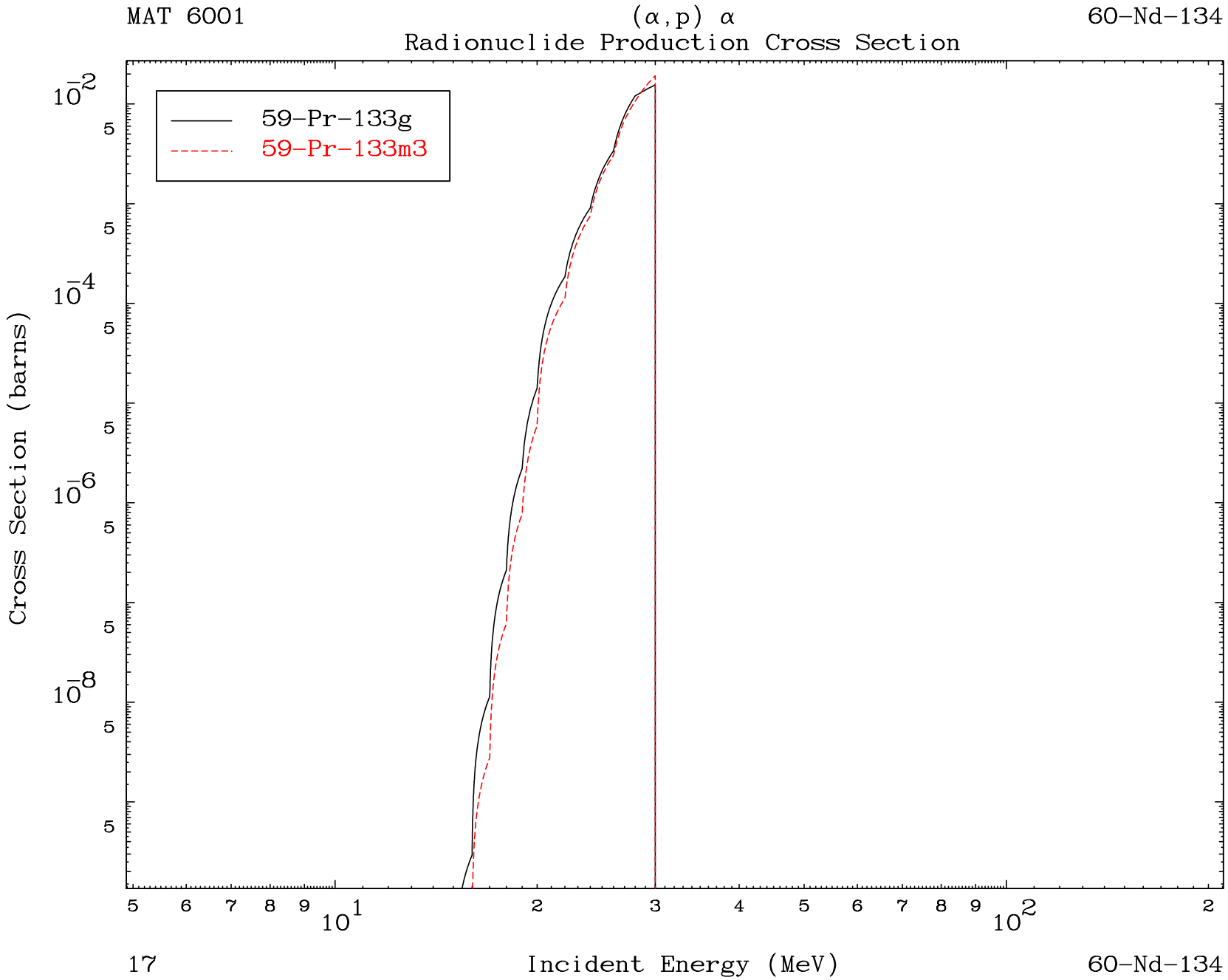

MAT 6001
(α,n') p
60-Nd-134
Radionuclide Production Cross Section
61-Pm-136g
61-Pm-136m1
Cross Section (barns)
Incident Energy (MeV)
12
60-Nd-134


MAT 6001
(α,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
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
60-Nd-134


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


MAT 6001
(α,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
2
15
Incident Energy (MeV)
60-Nd-134


MAT 6001
(α,t)
60-Nd-134
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
60-Nd-134


MAT 6001
(α,p) α
60-Nd-134
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
Incident Energy (MeV)
17
60-Nd-134