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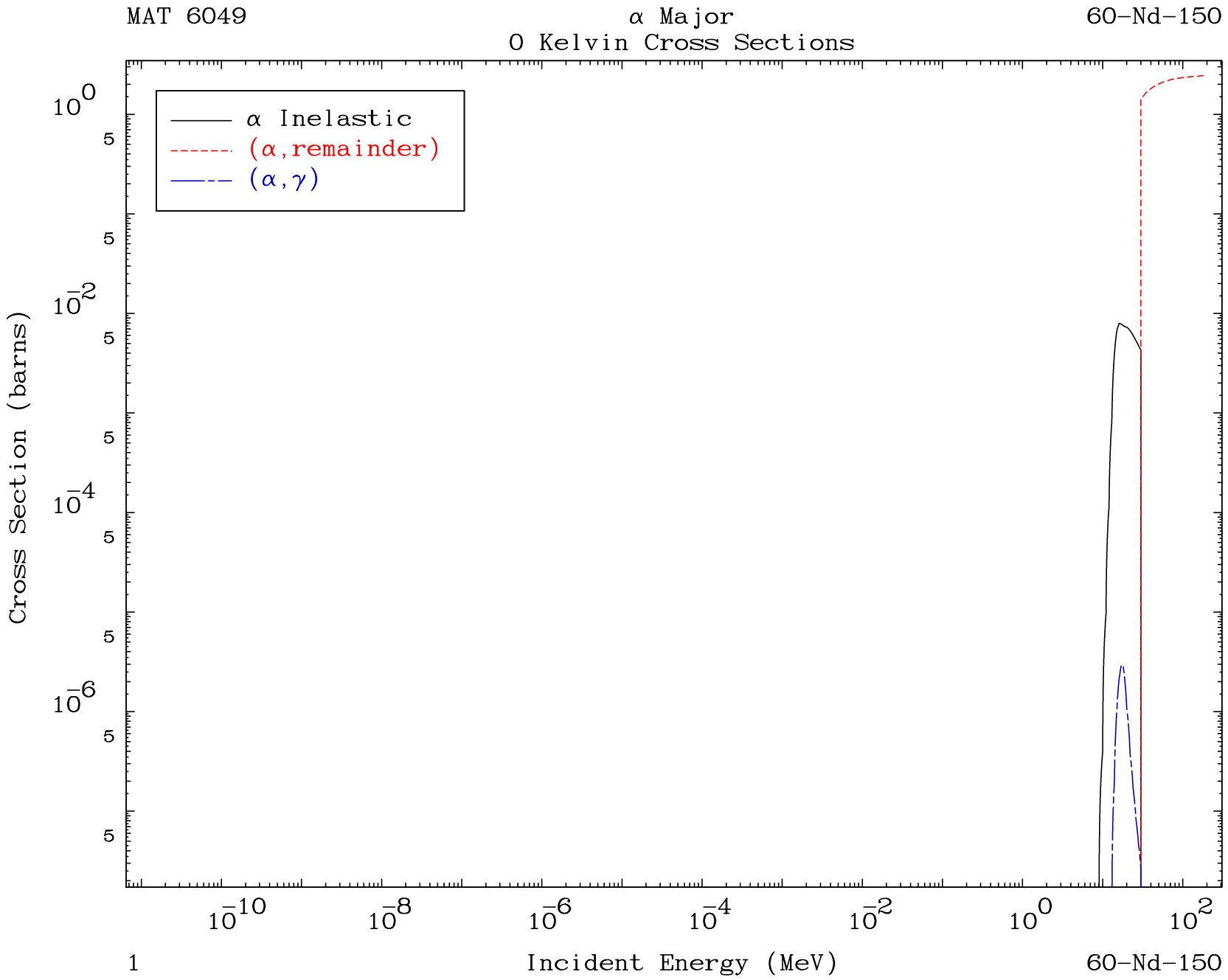
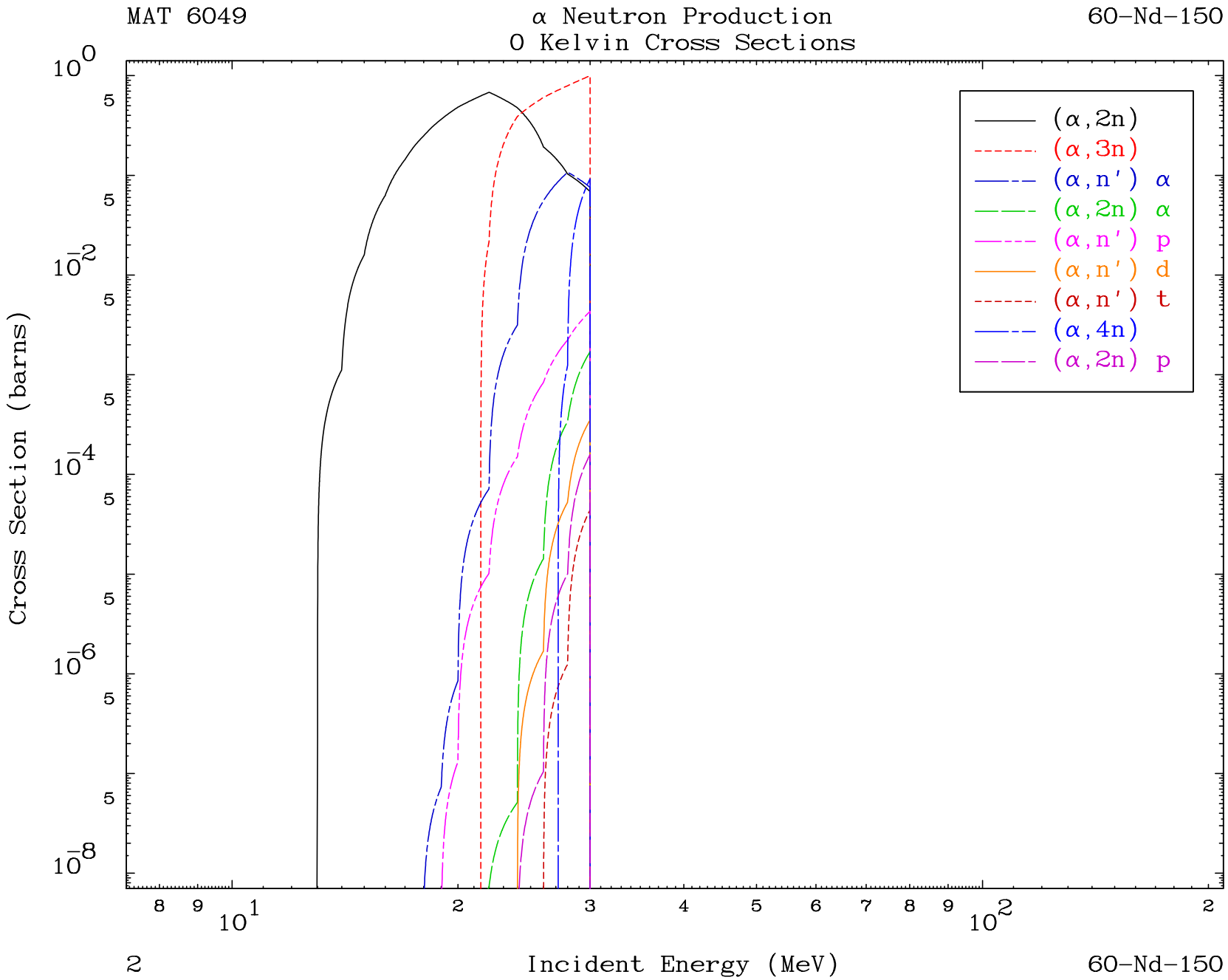
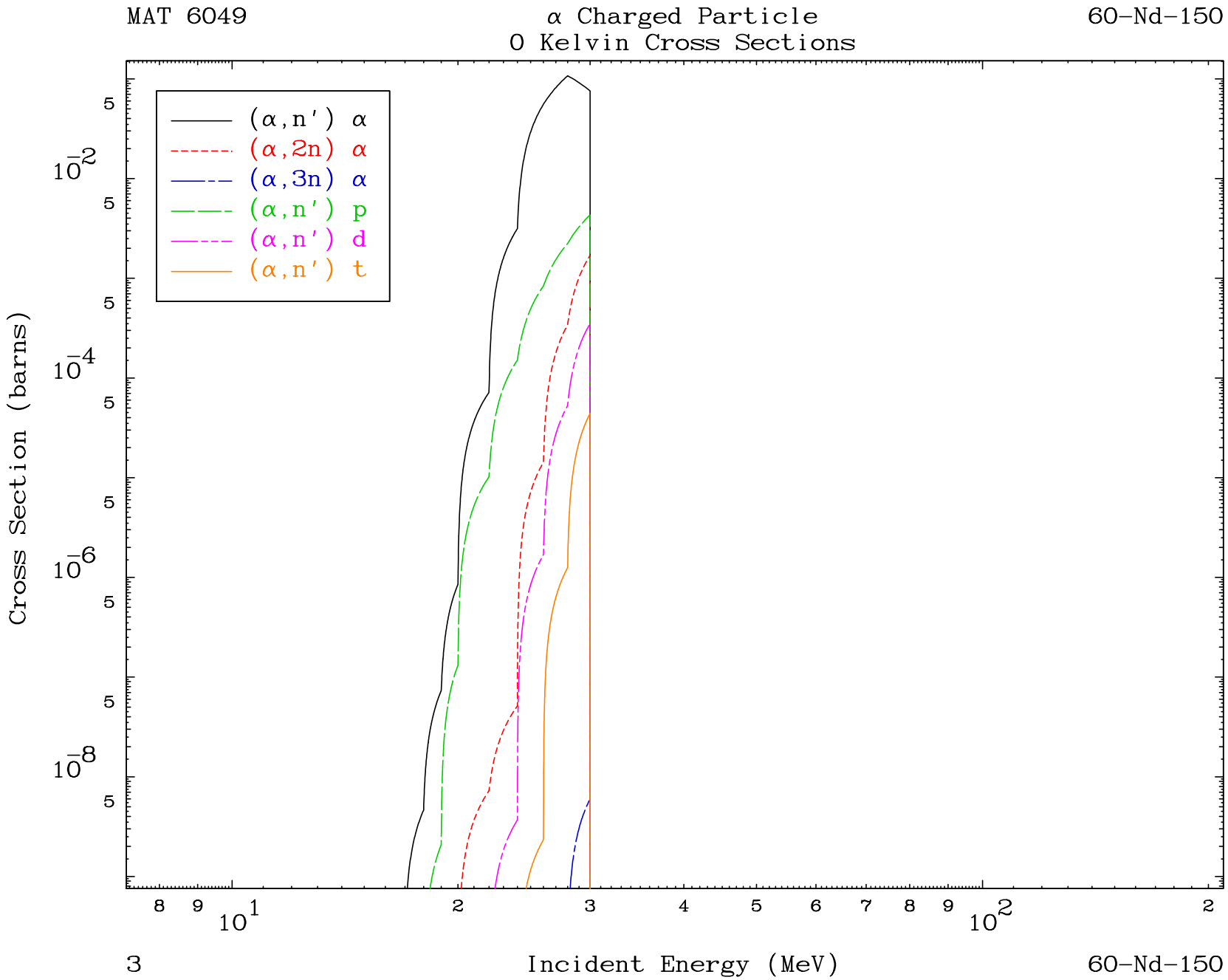
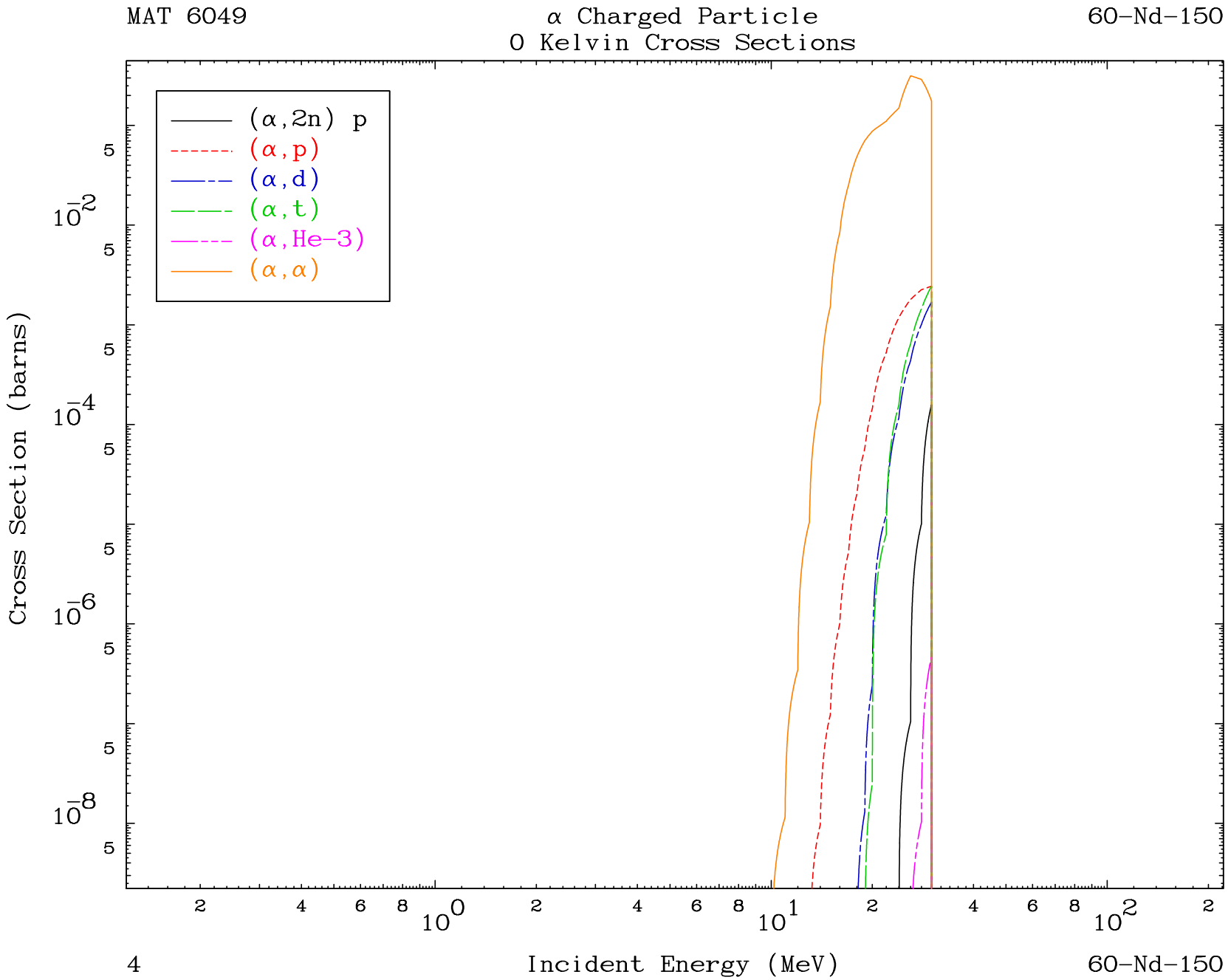
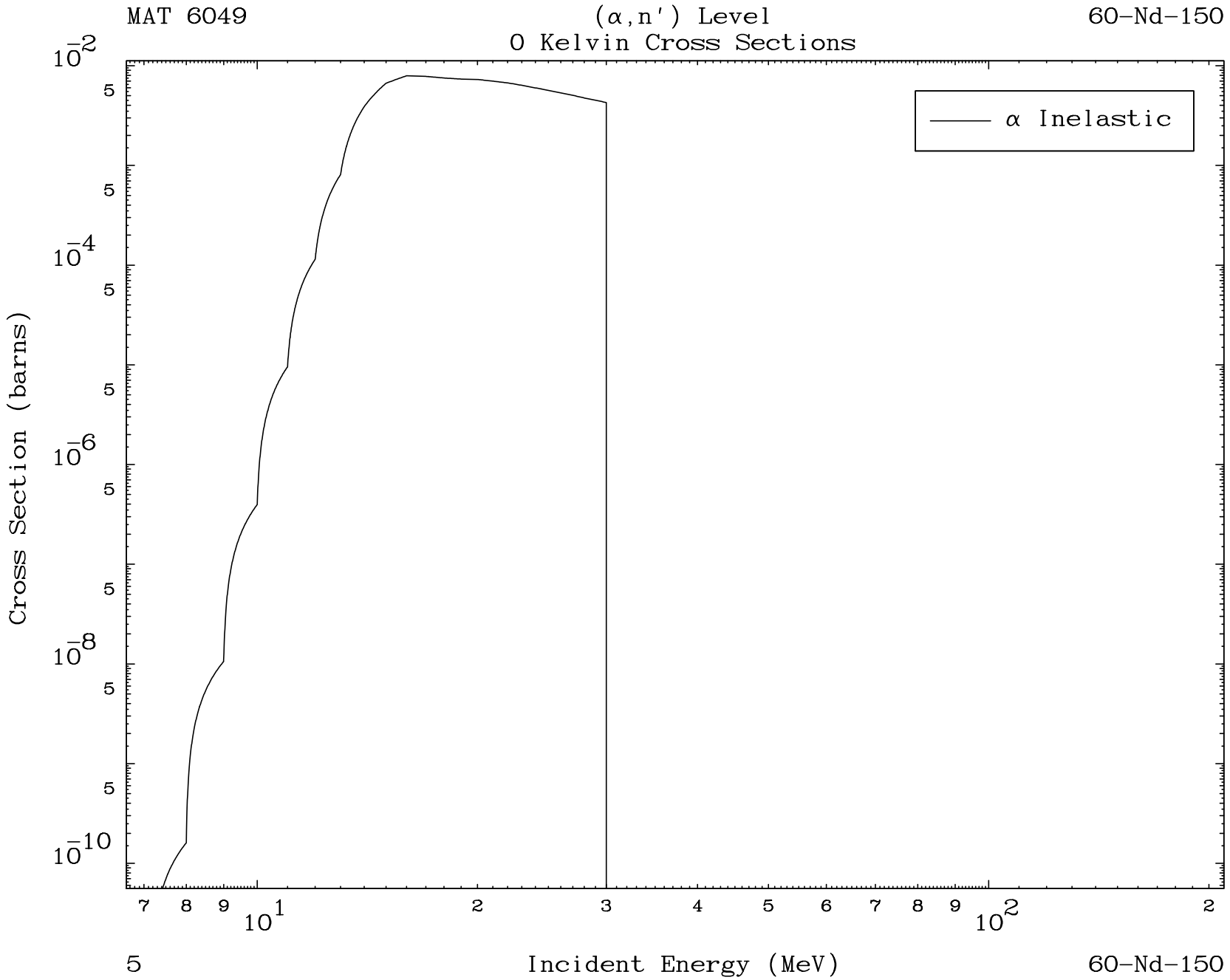
Press Mouse Button to Start

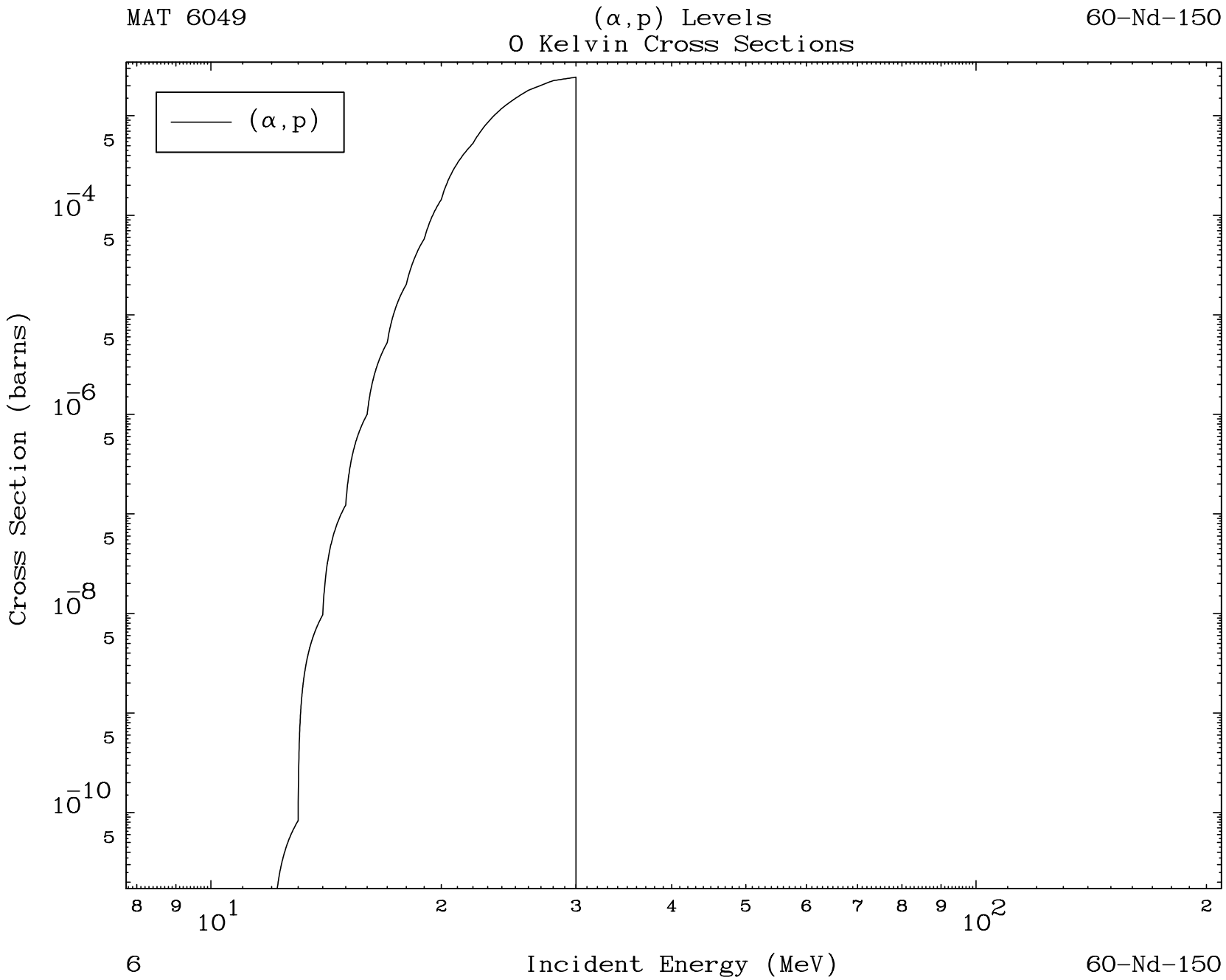

MAT 6049
α Major
60-Nd-150
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
60-Nd-150

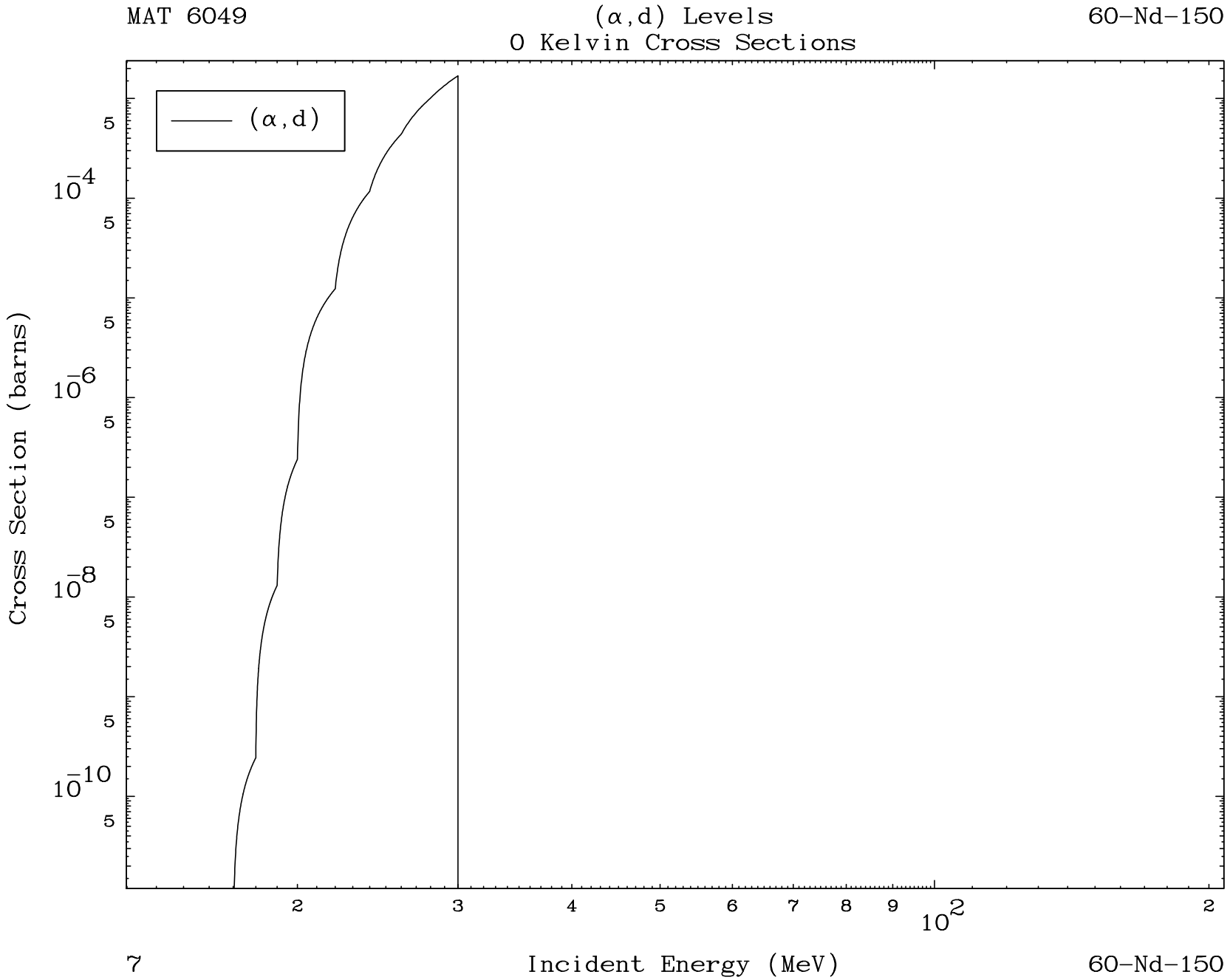

MAT 6049
α Neutron Production
0 Kelvin Cross Sections
60-Nd-150
Cross Section (barns)
Incident Energy (MeV)
60-Nd-150
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p

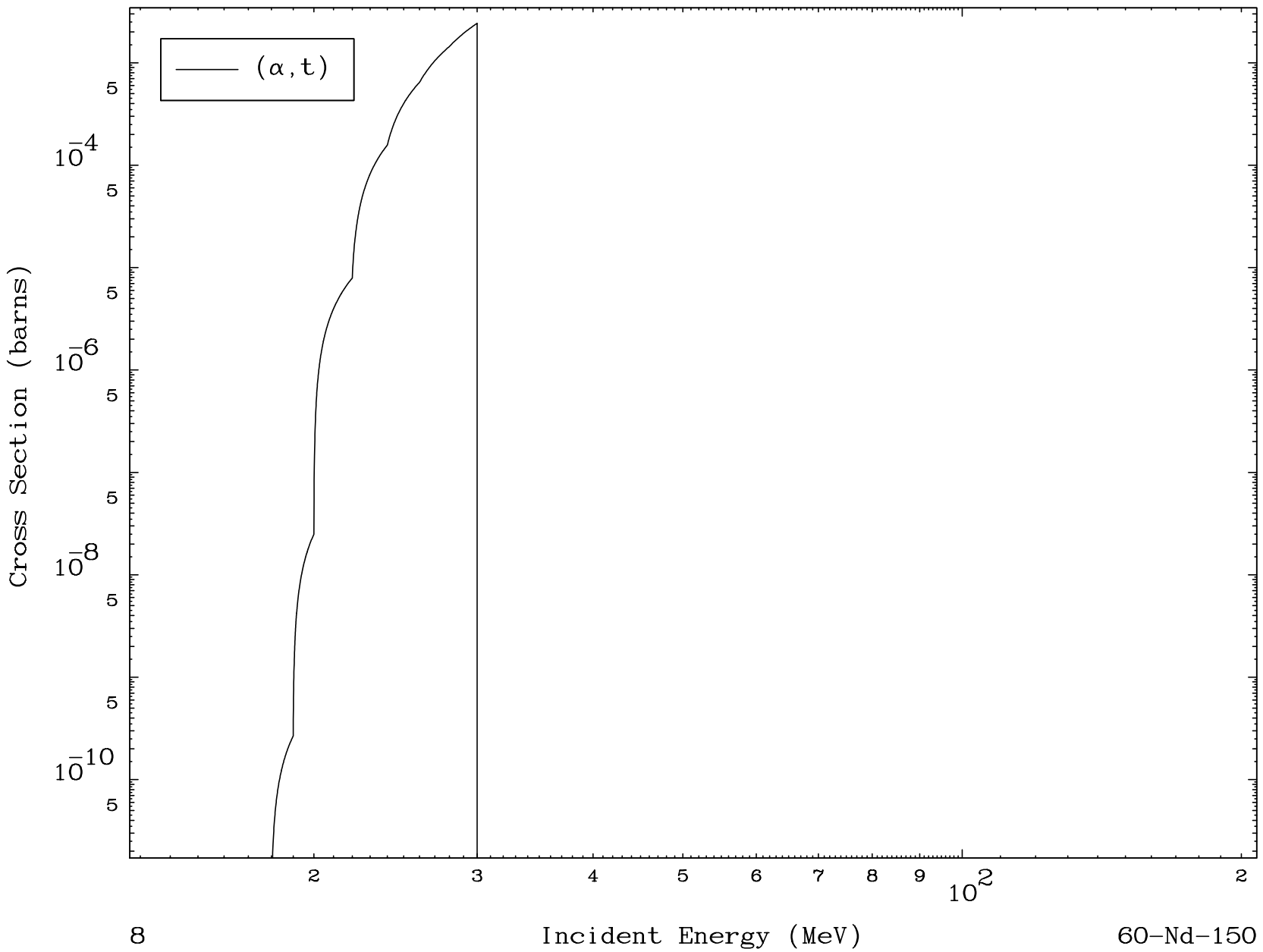

MAT 6049
α Charged Particle
0 Kelvin Cross Sections
60-Nd-150
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
Cross Section (barns)
Incident Energy (MeV)
3
60-Nd-150

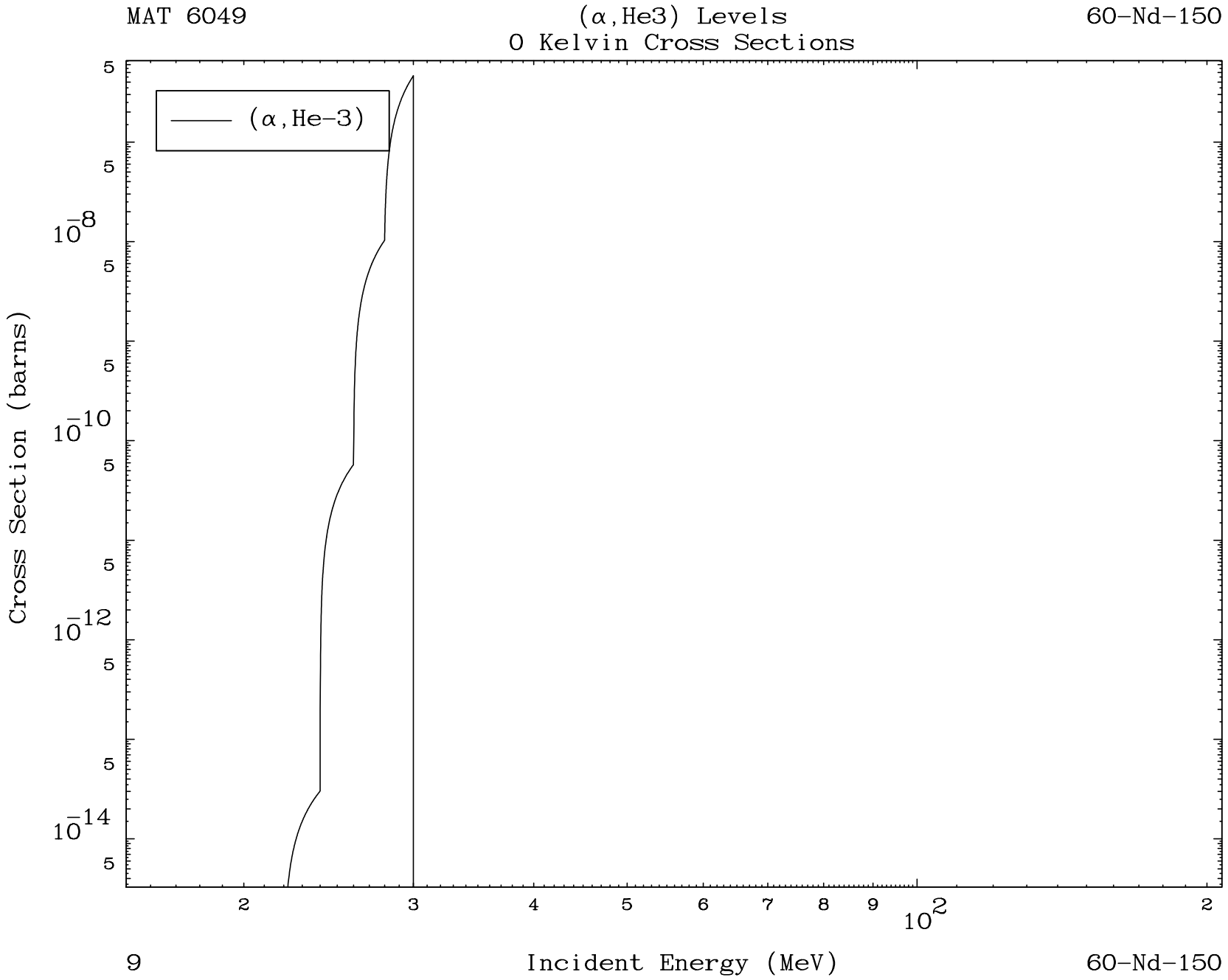

MAT 6049
α Charged Particle
0 Kelvin Cross Sections
60-Nd-150
(α,2n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
4
60-Nd-150

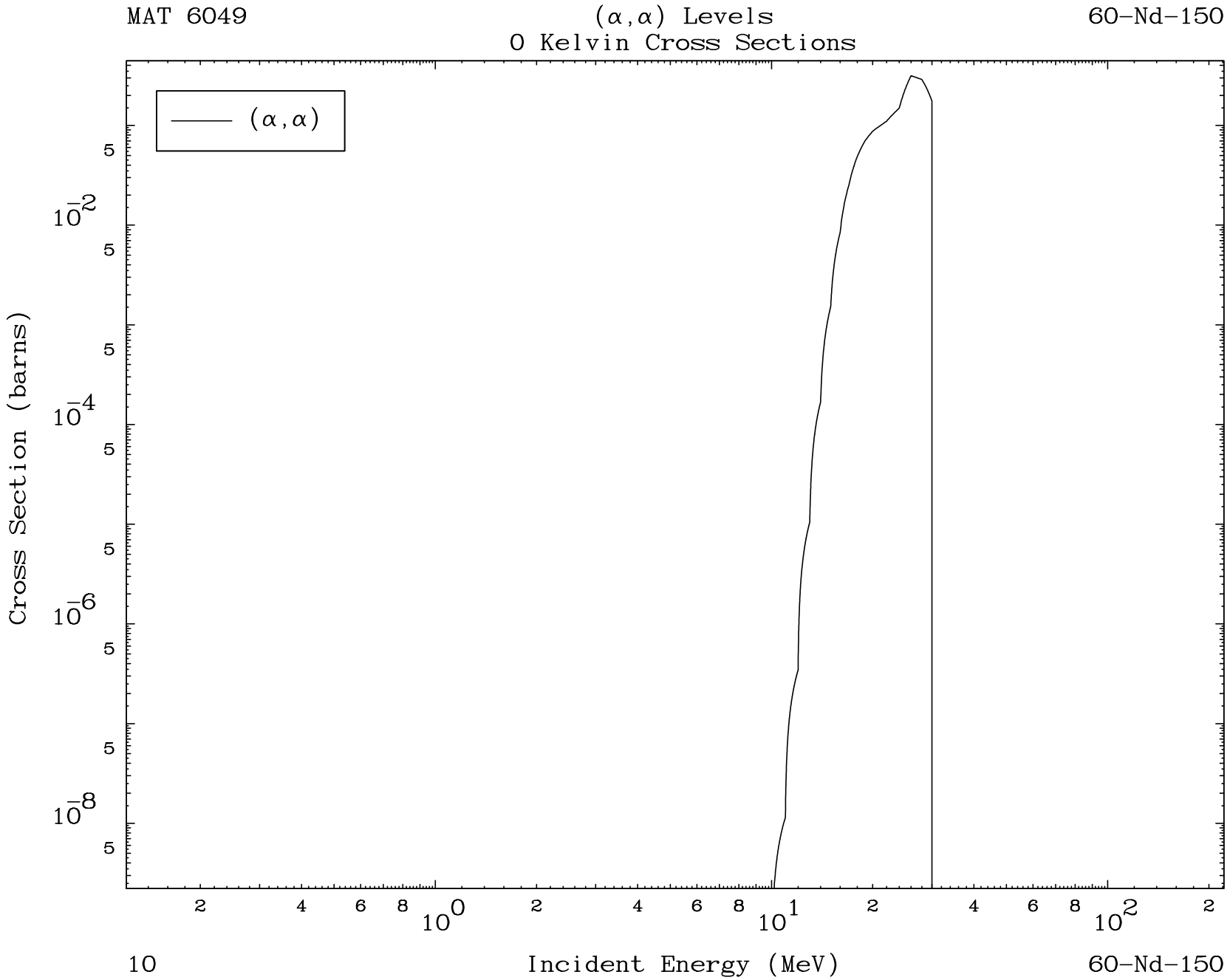

MAT 6049
(α,n') Level
60-Nd-150
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
60-Nd-150
5

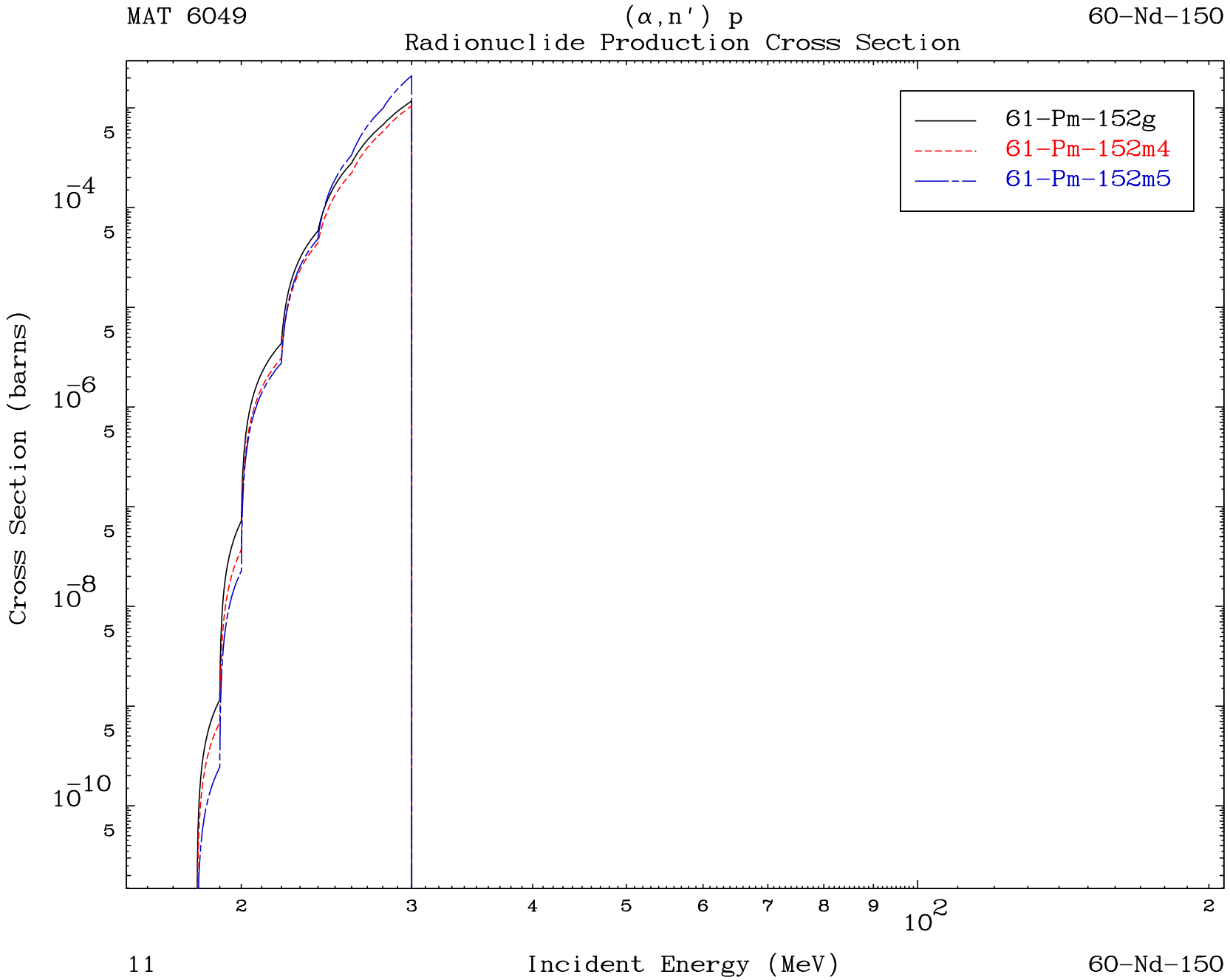

MAT 6049
(α,p) Levels
60-Nd-150
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
60-Nd-150

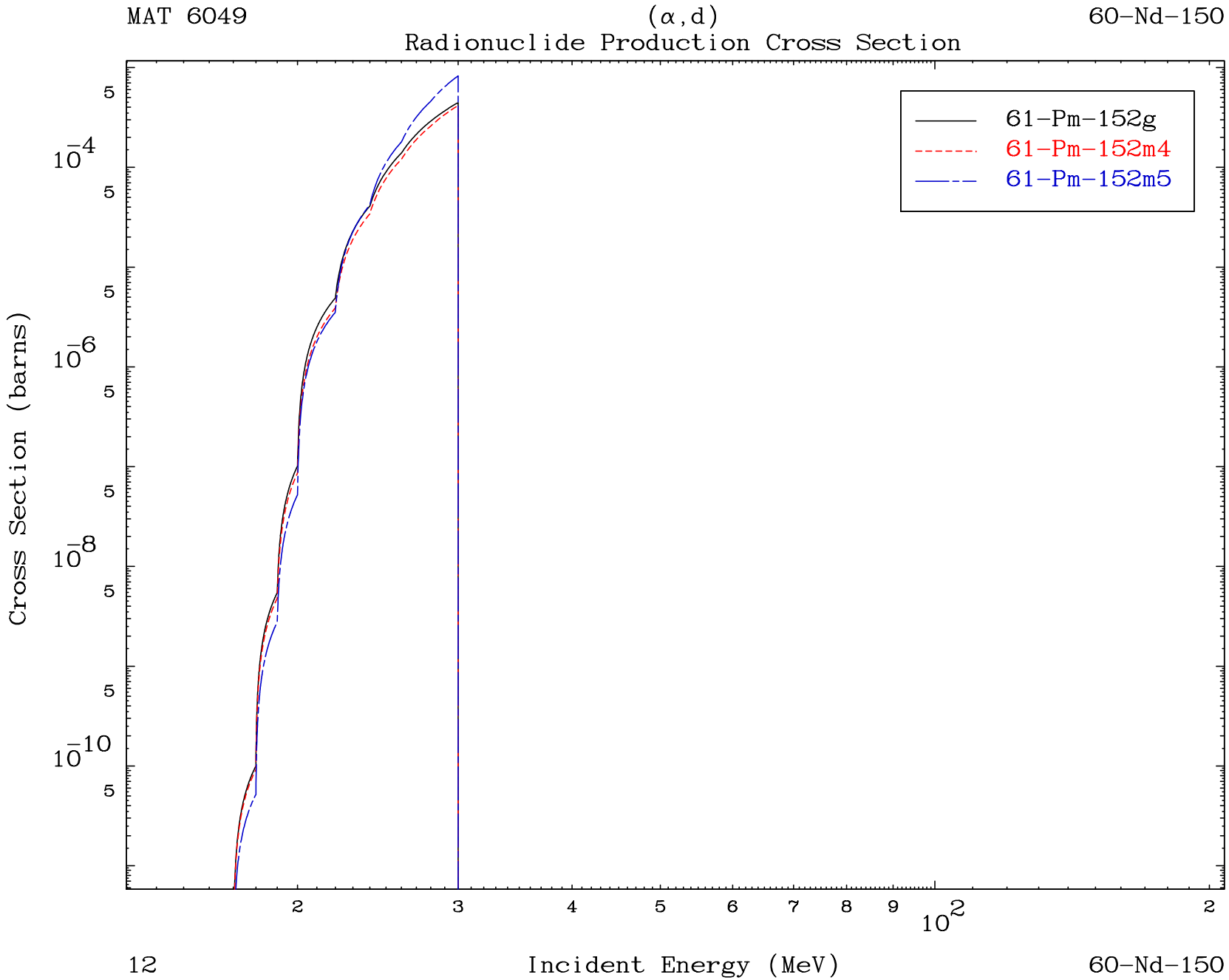

MAT 6049
(α,d) Levels
60-Nd-150
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
60-Nd-150


0 Kelvin Cross Sections
(α,t)
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)


MAT 6049
(α,He3) Levels
60-Nd-150
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
9
60-Nd-150


MAT 6049
(α,α) Levels
60-Nd-150
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
60-Nd-150


MAT 6049
(α,n') p
60-Nd-150
Radionuclide Production Cross Section
61-Pm-152g
61-Pm-152m4
61-Pm-152m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
60-Nd-150


MAT 6049
(α,d)
60-Nd-150
Radionuclide Production Cross Section
61-Pm-152g
61-Pm-152m4
61-Pm-152m5
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
12
Incident Energy (MeV)
60-Nd-150