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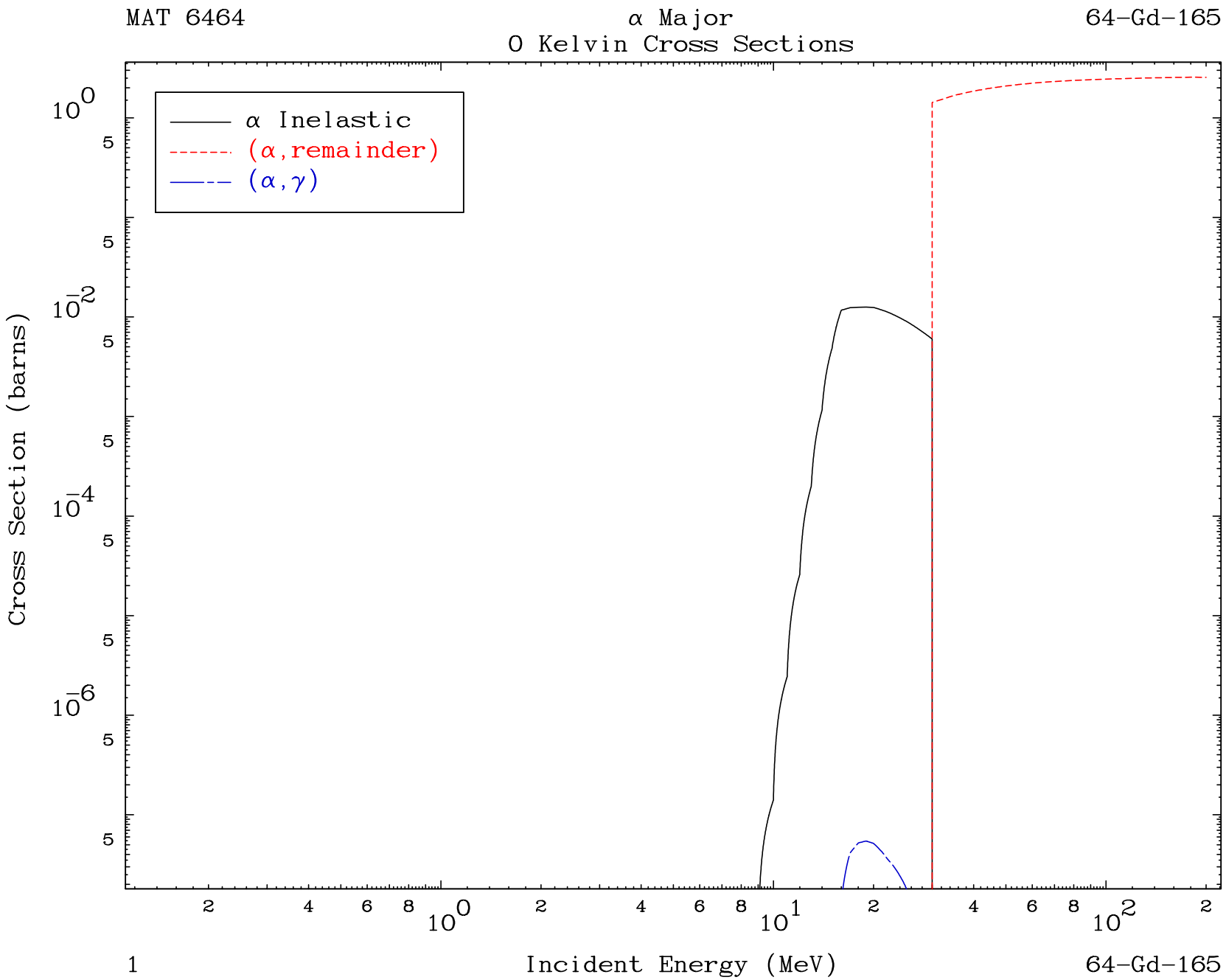
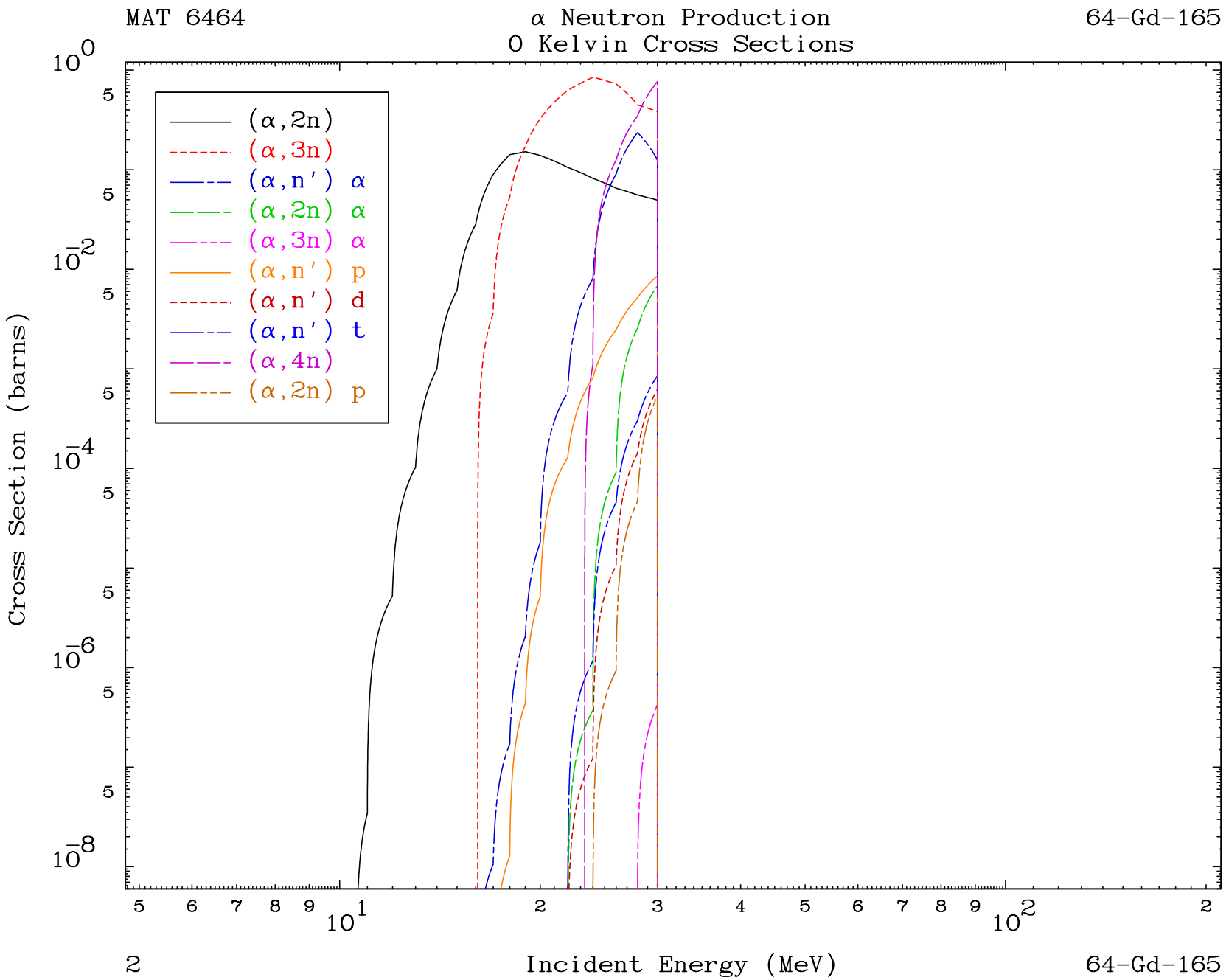
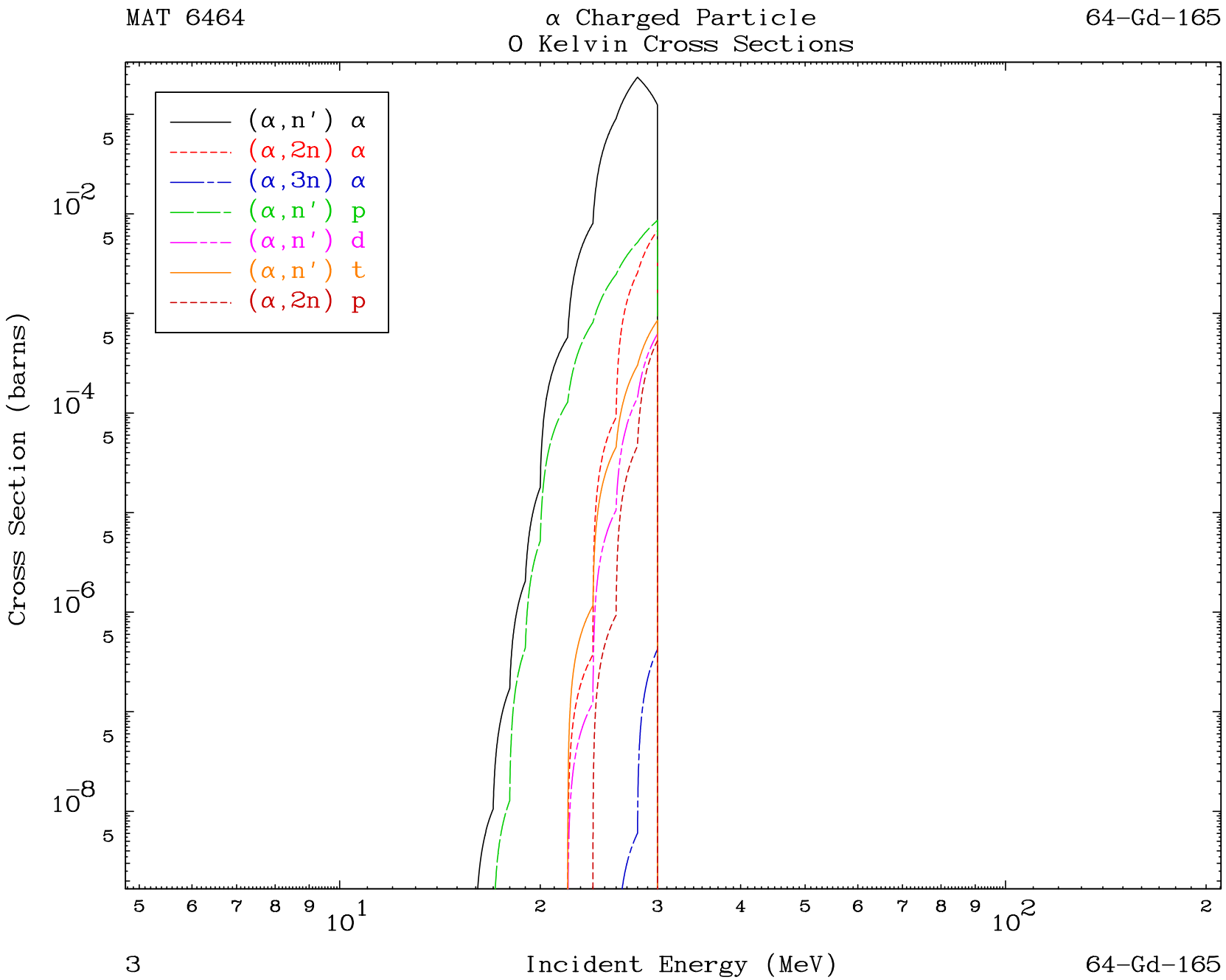
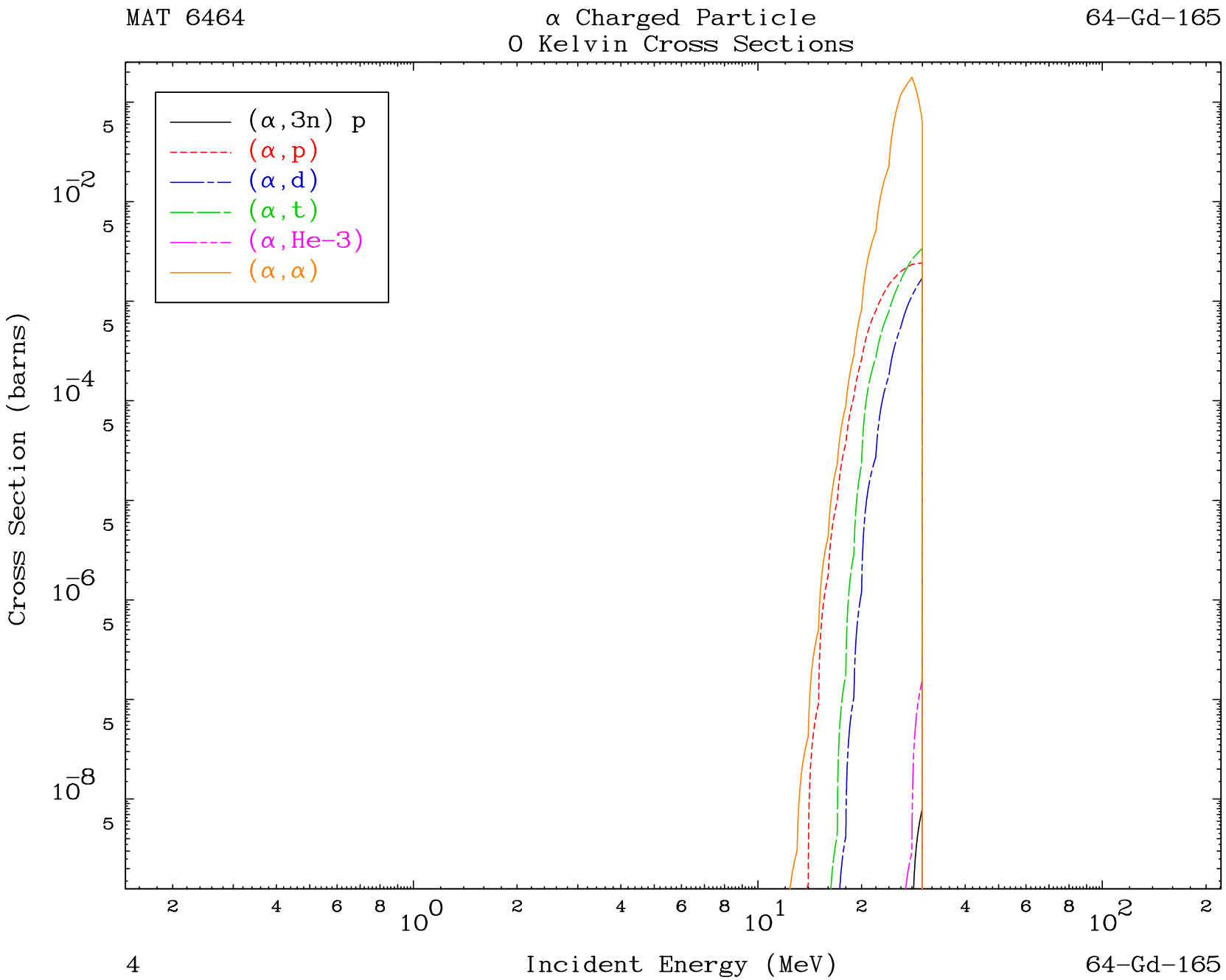
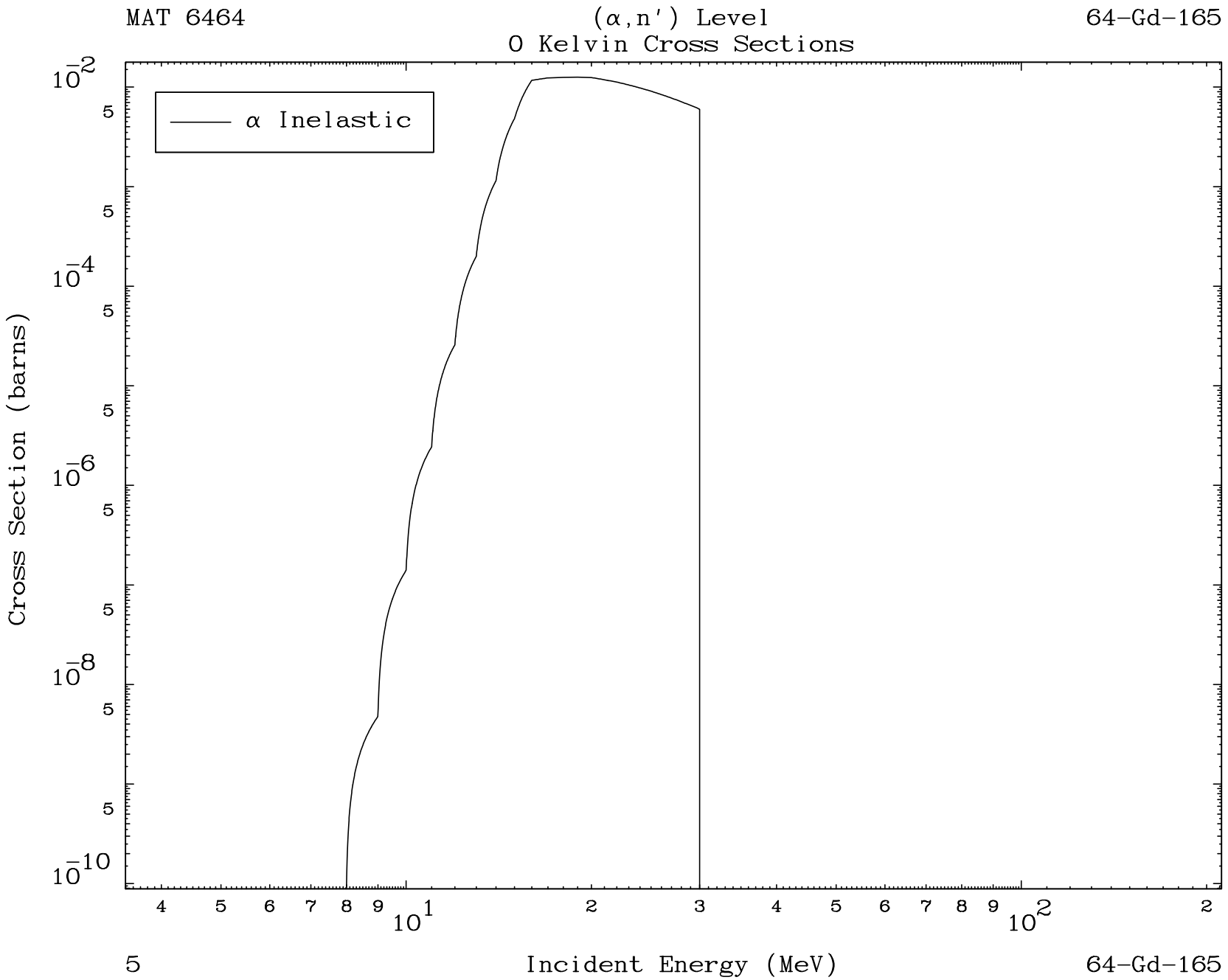
Press Mouse Button to Start

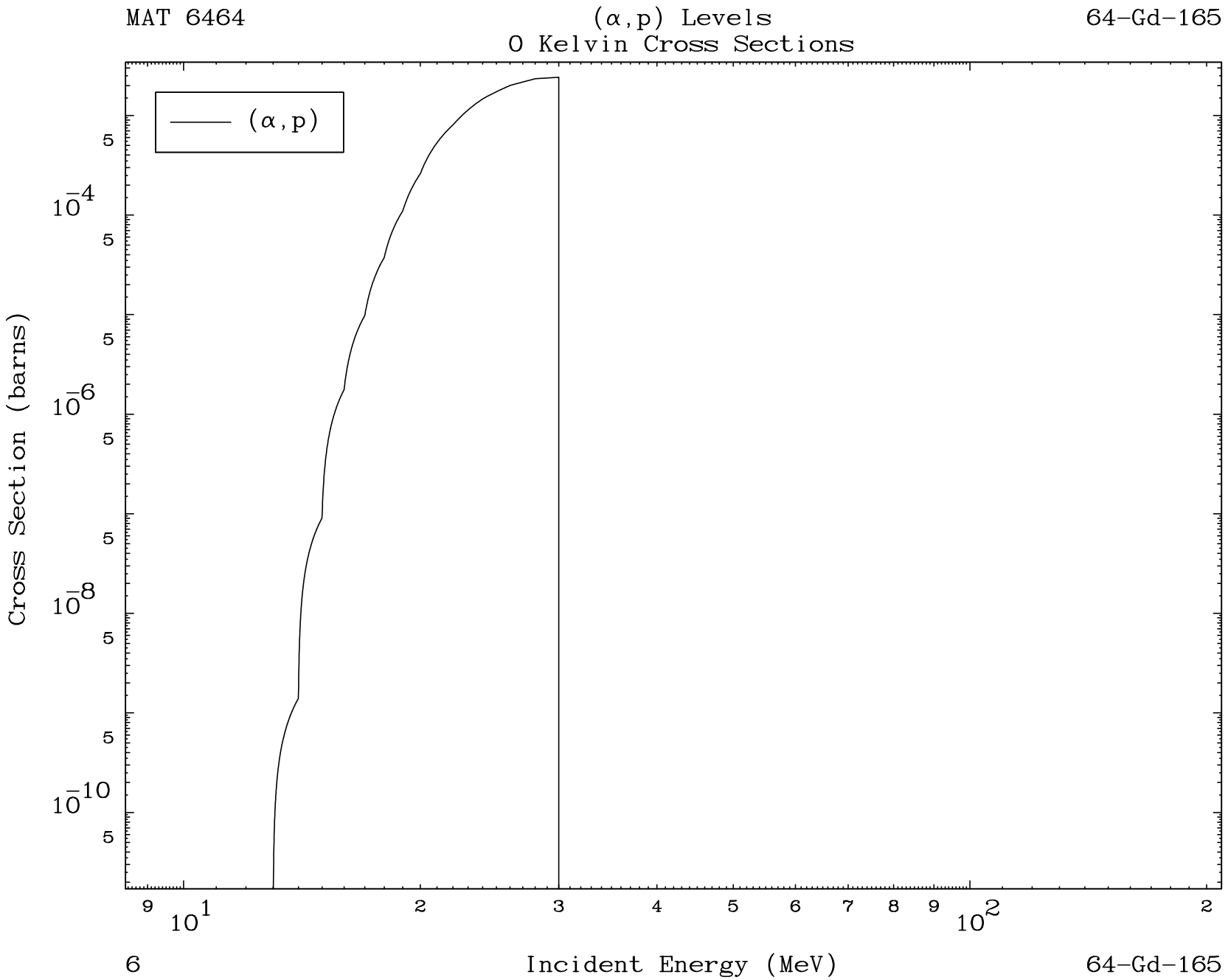

MAT 6464
α Major
64-Gd-165
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-165
1

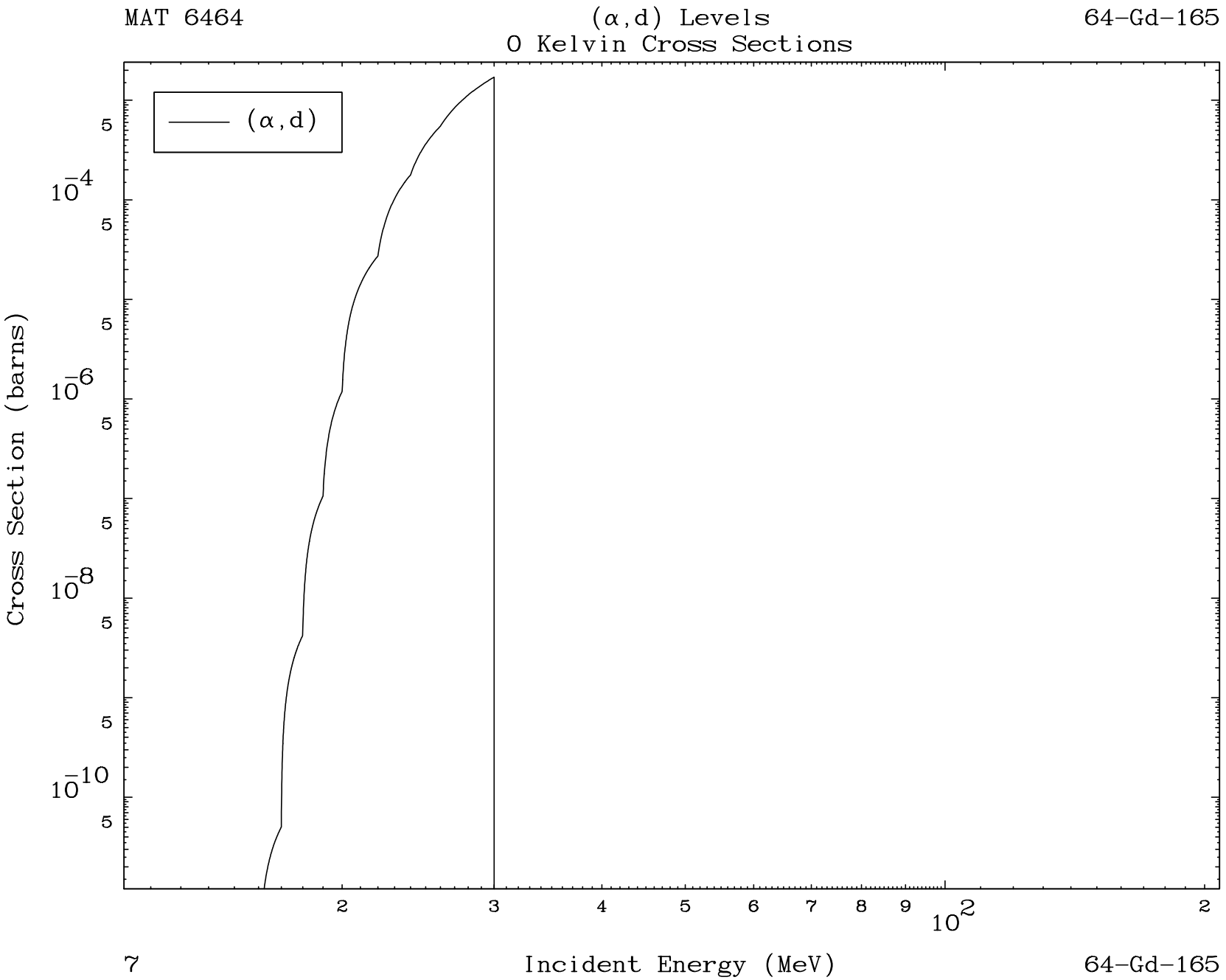

MAT 6464
α Neutron Production
0 Kelvin Cross Sections
64-Gd-165
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
64-Gd-165
2

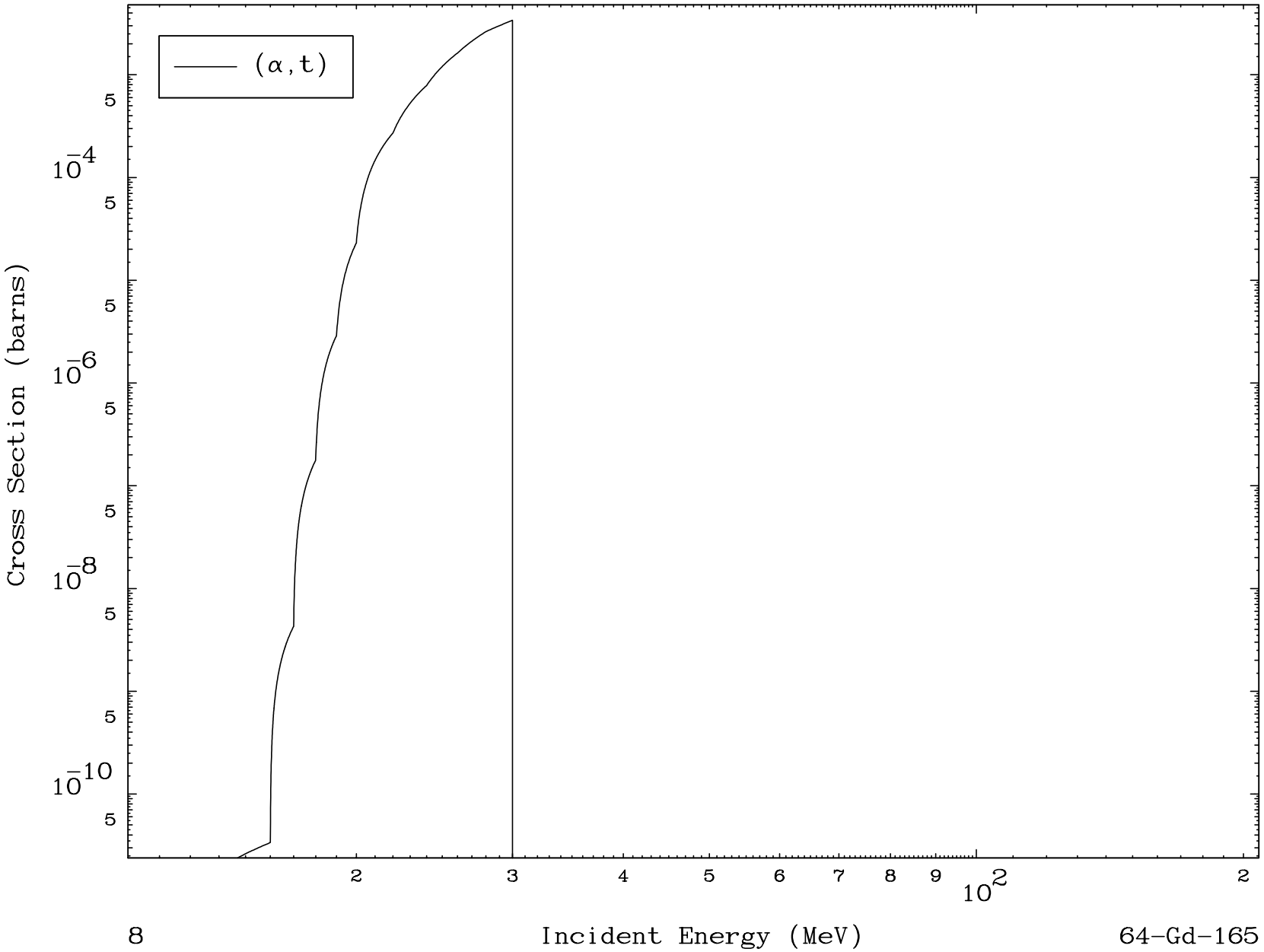

MAT 6464
α Charged Particle
0 Kelvin Cross Sections
64-Gd-165
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
5
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
3
64-Gd-165


MAT 6464
α Charged Particle
0 Kelvin Cross Sections
64-Gd-165
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
4
64-Gd-165

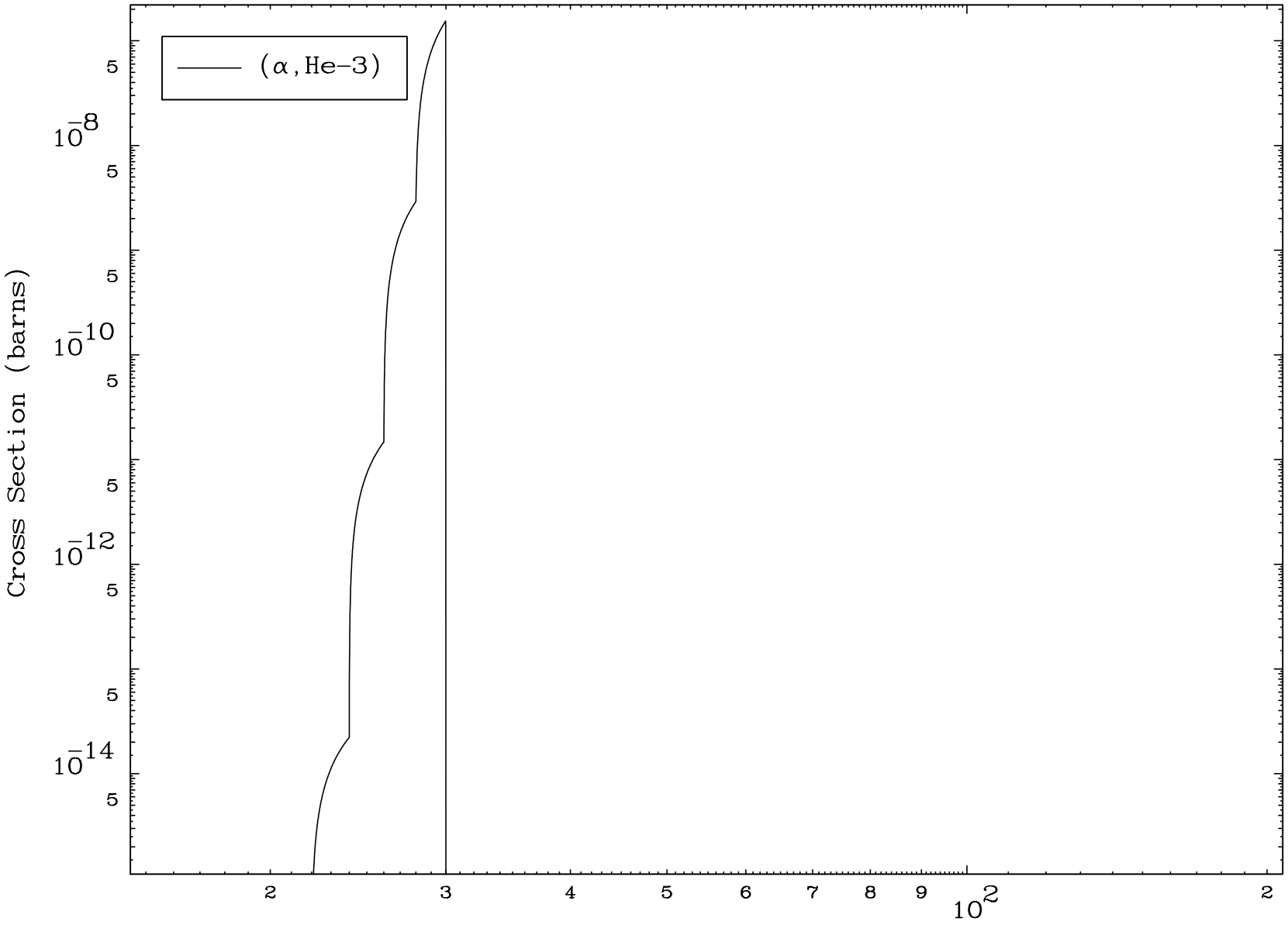

MAT 6464
(α,n') Level
64-Gd-165
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
5
64-Gd-165

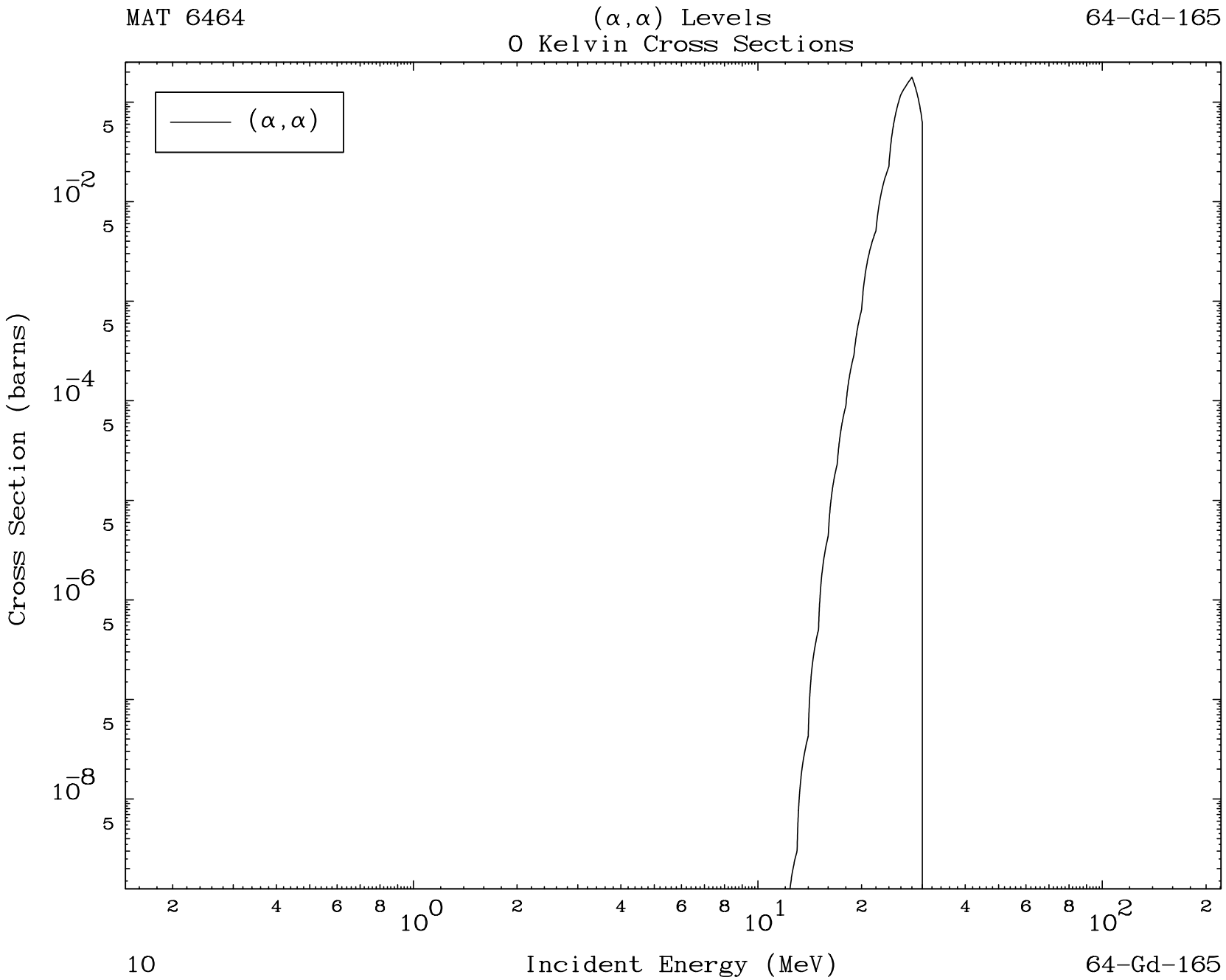

MAT 6464
(α,p) Levels
64-Gd-165
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
6
Incident Energy (MeV)
64-Gd-165

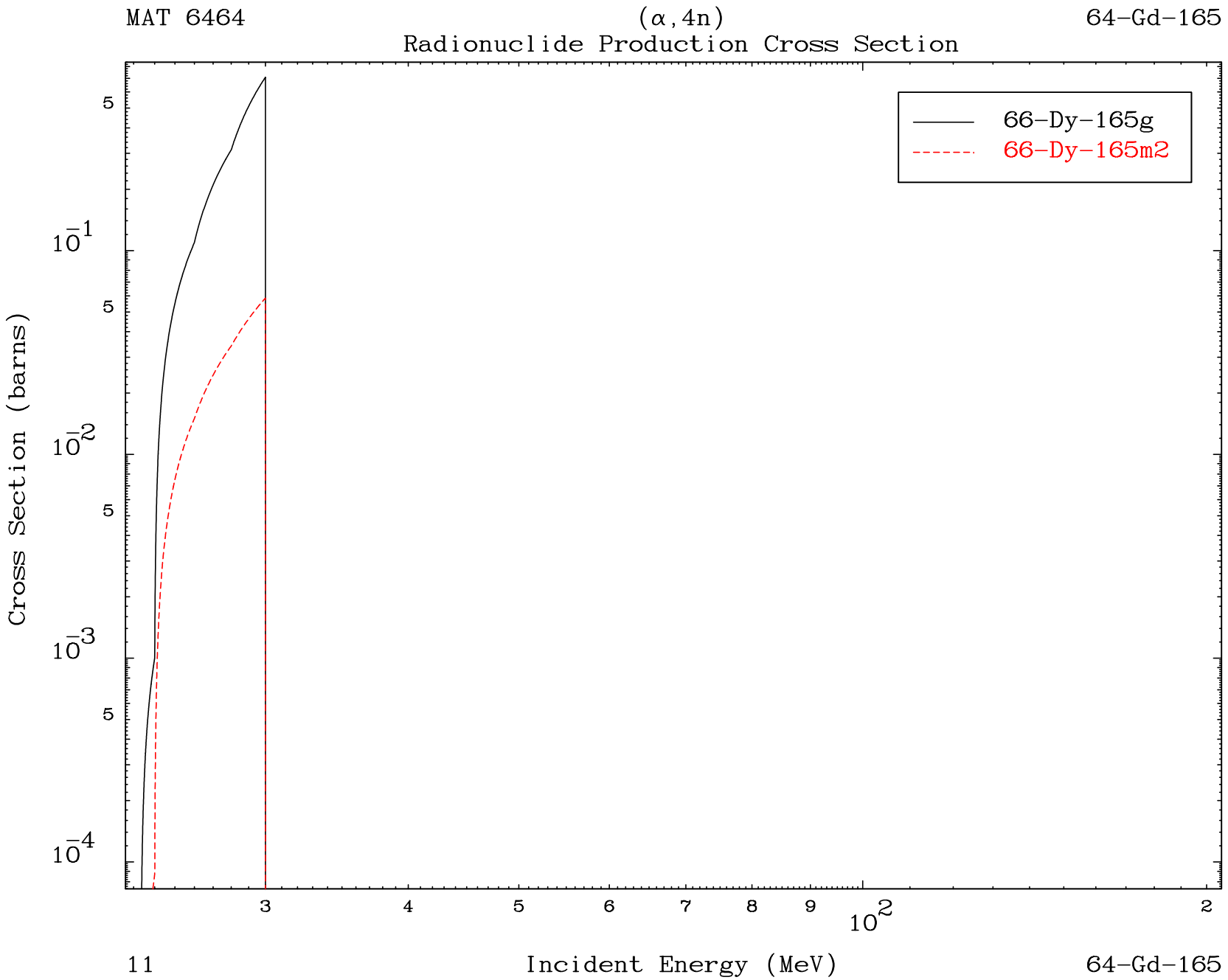

MAT 6464
(α,d) Levels
64-Gd-165
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
64-Gd-165


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)

0 Kelvin Cross Sections




MAT 6464
(α,α) Levels
64-Gd-165
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
64-Gd-165


MAT 6464
(α,4n)
64-Gd-165
Radionuclide Production Cross Section
66-Dy-165g
66-Dy-165m2
Cross Section (barns)
10-1
10-2
10-3
10-4
5
3
4
5
6
7
8
9
10+2
2
11
Incident Energy (MeV)
64-Gd-165