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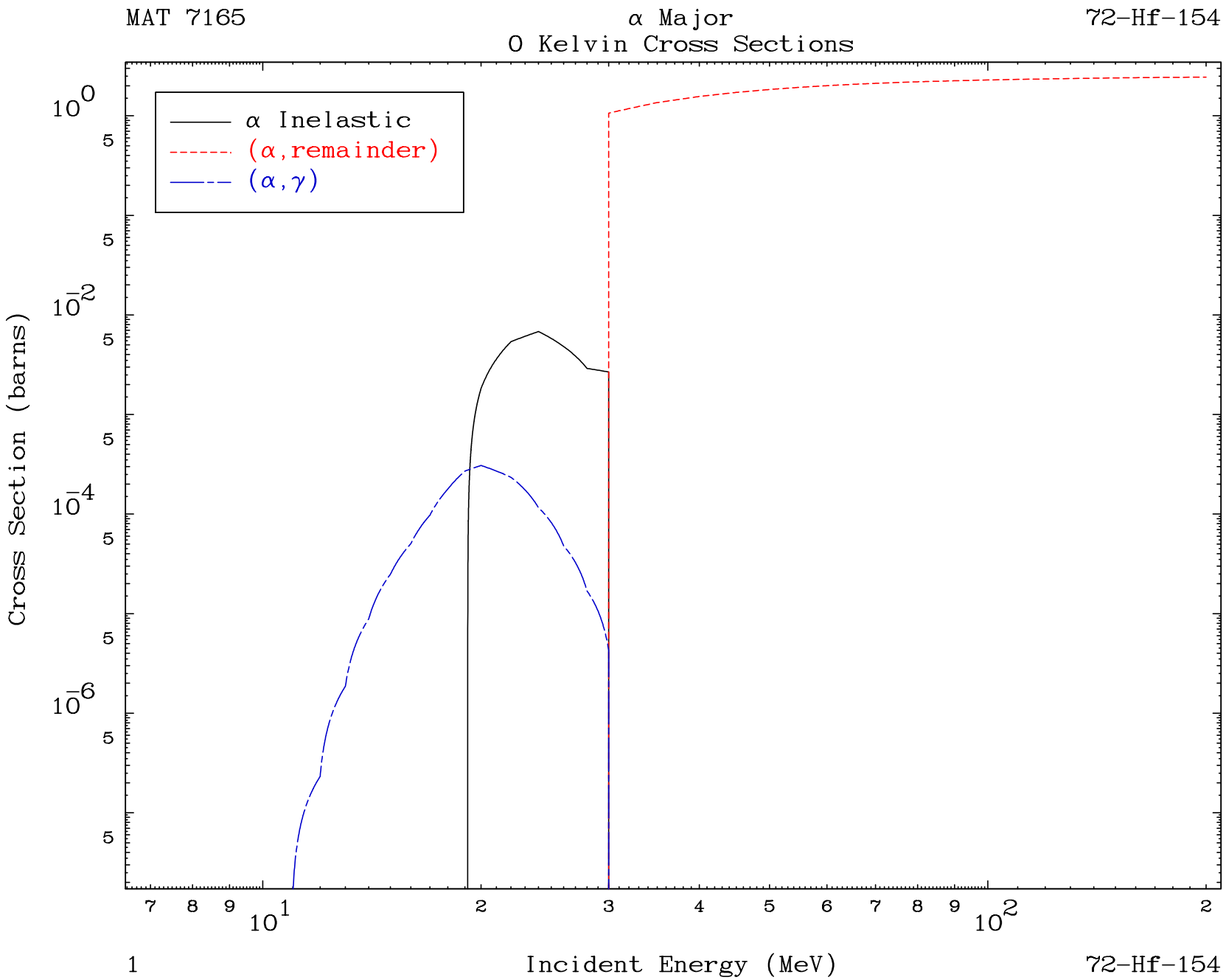
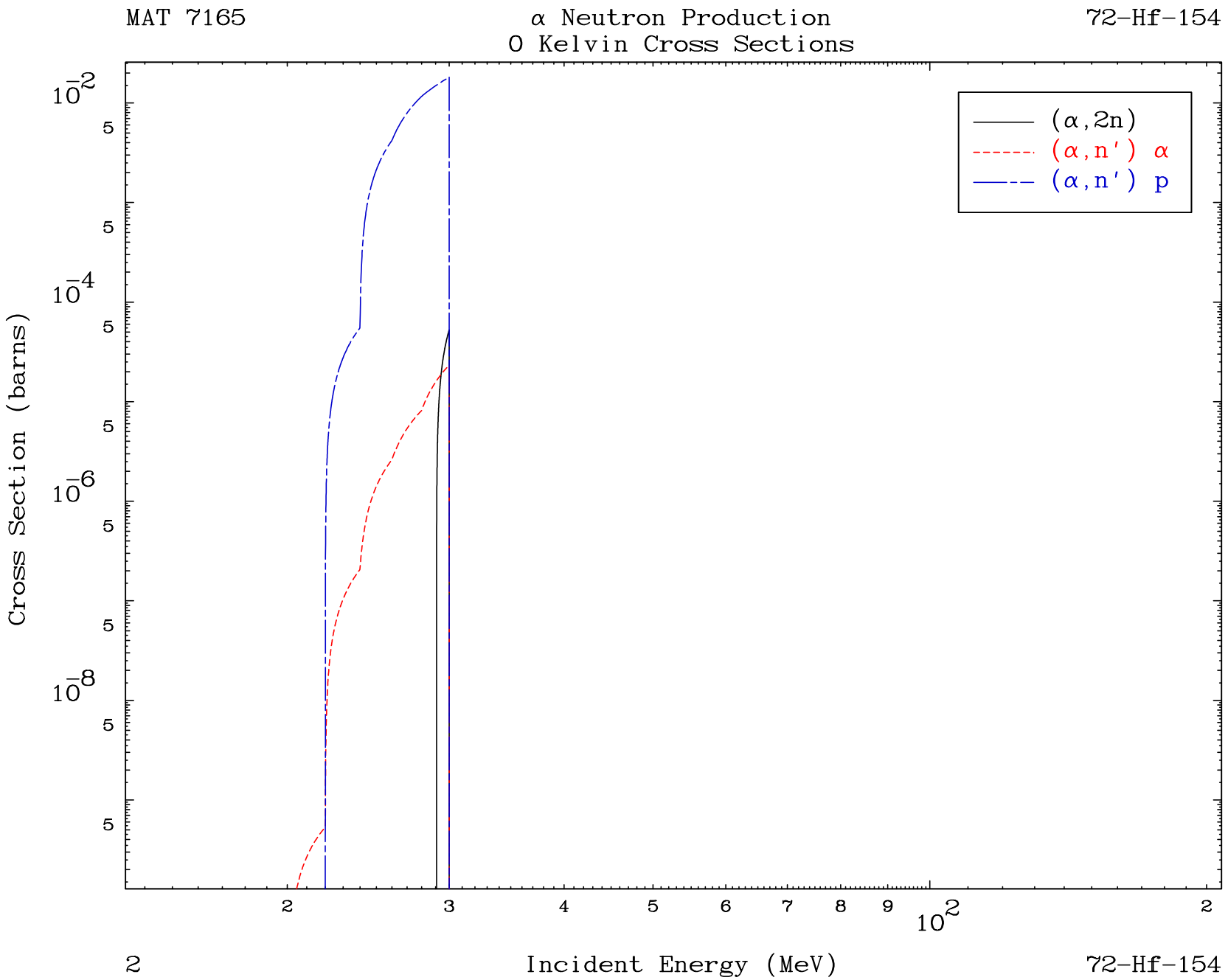
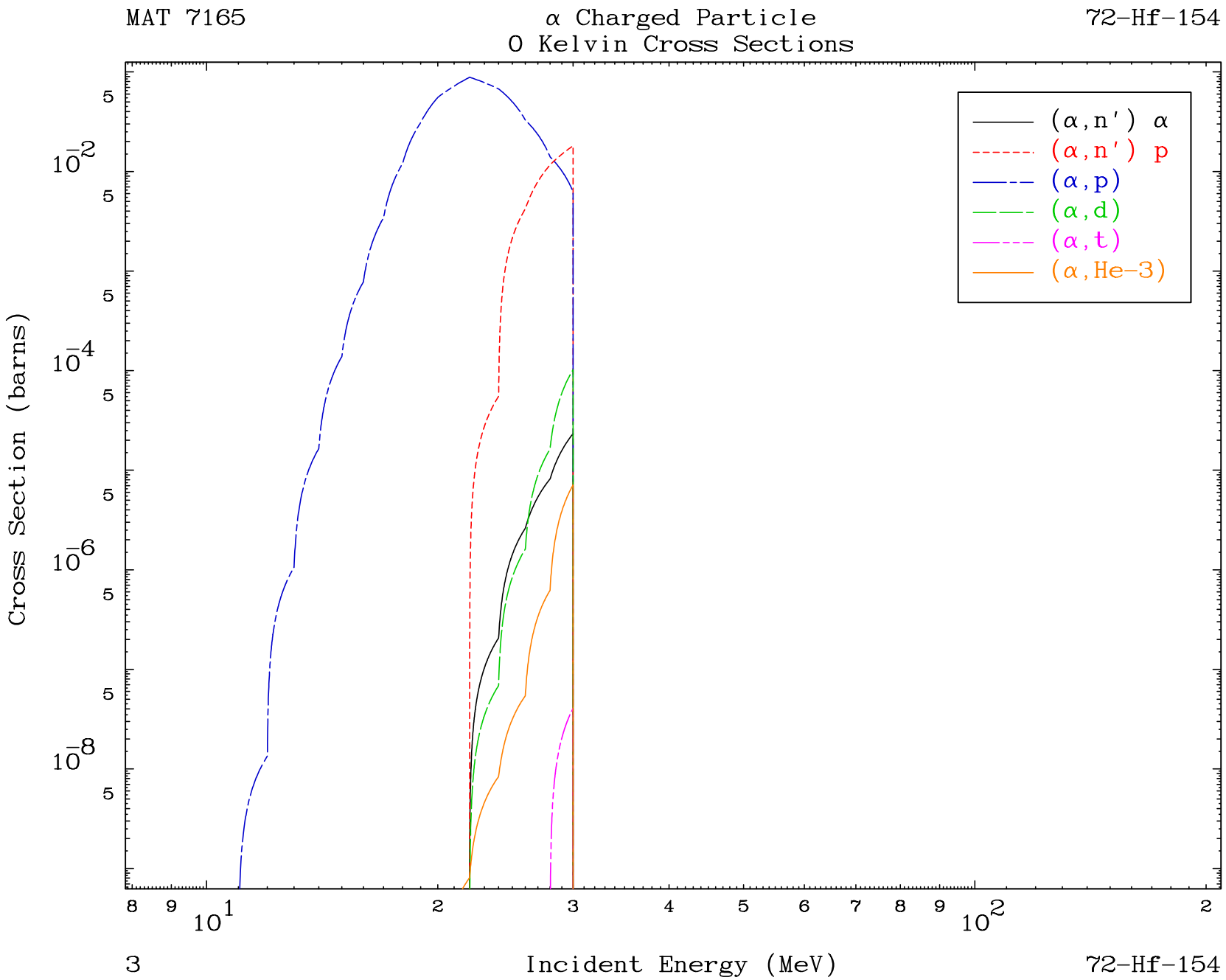
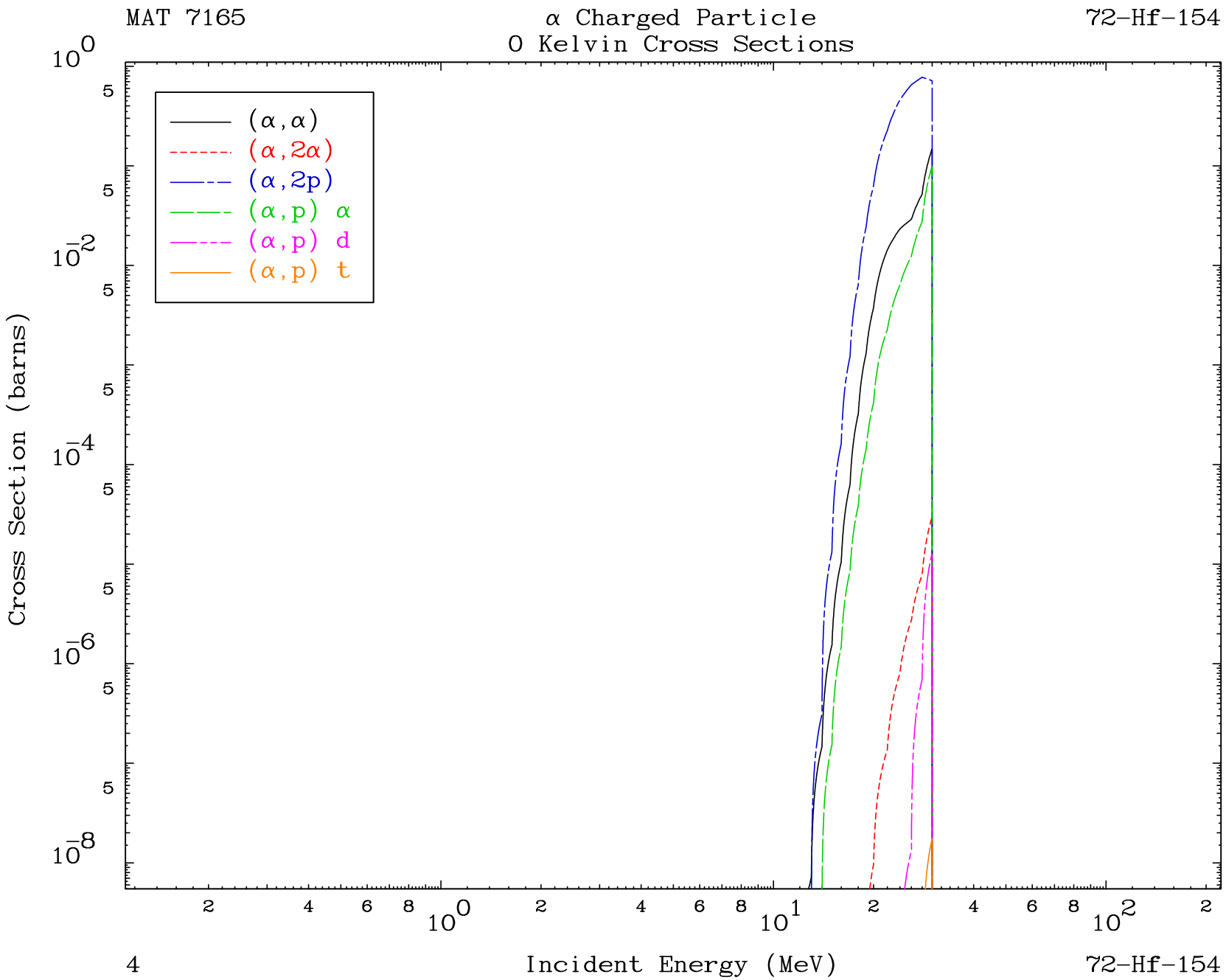
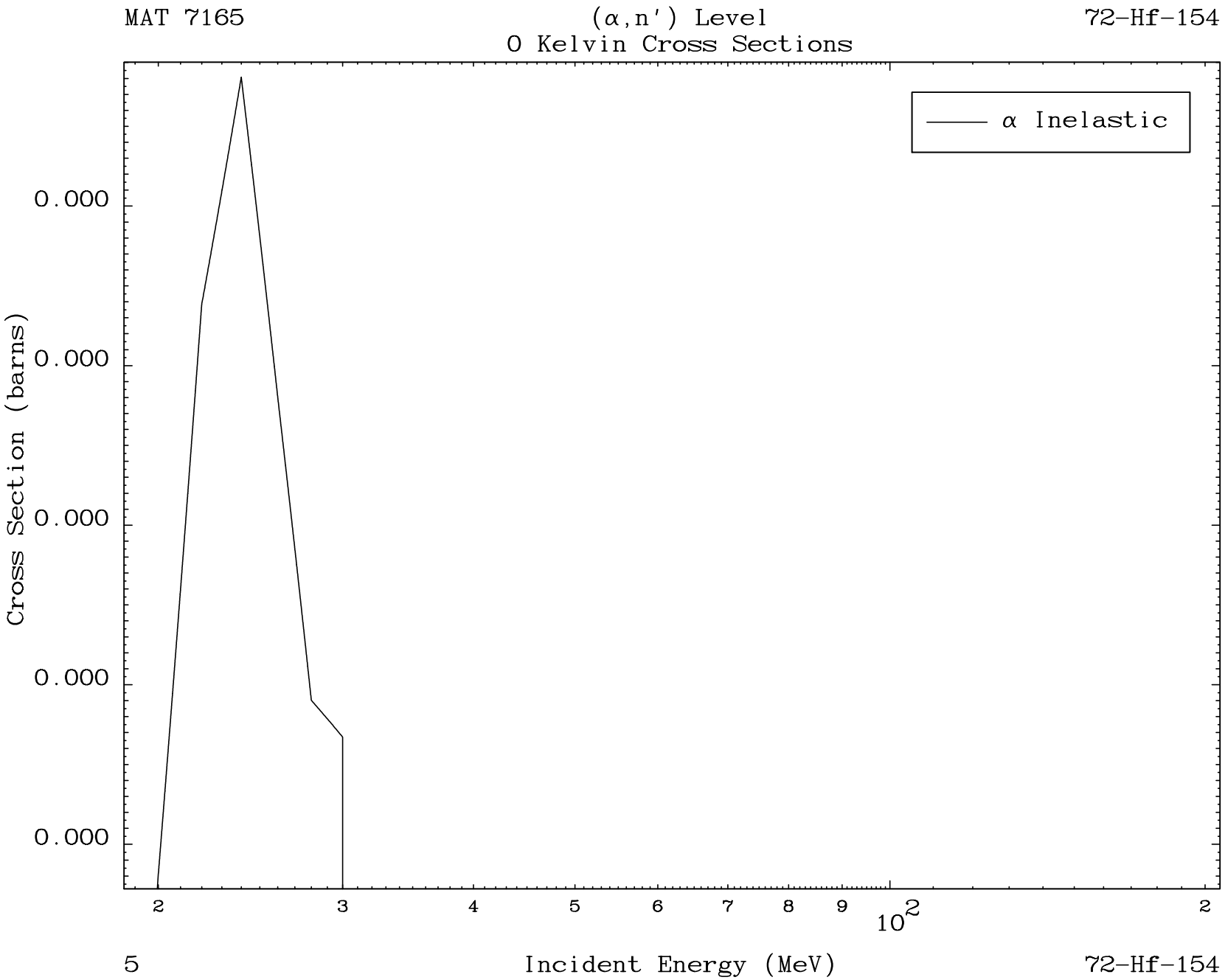
Press Mouse Button to Start

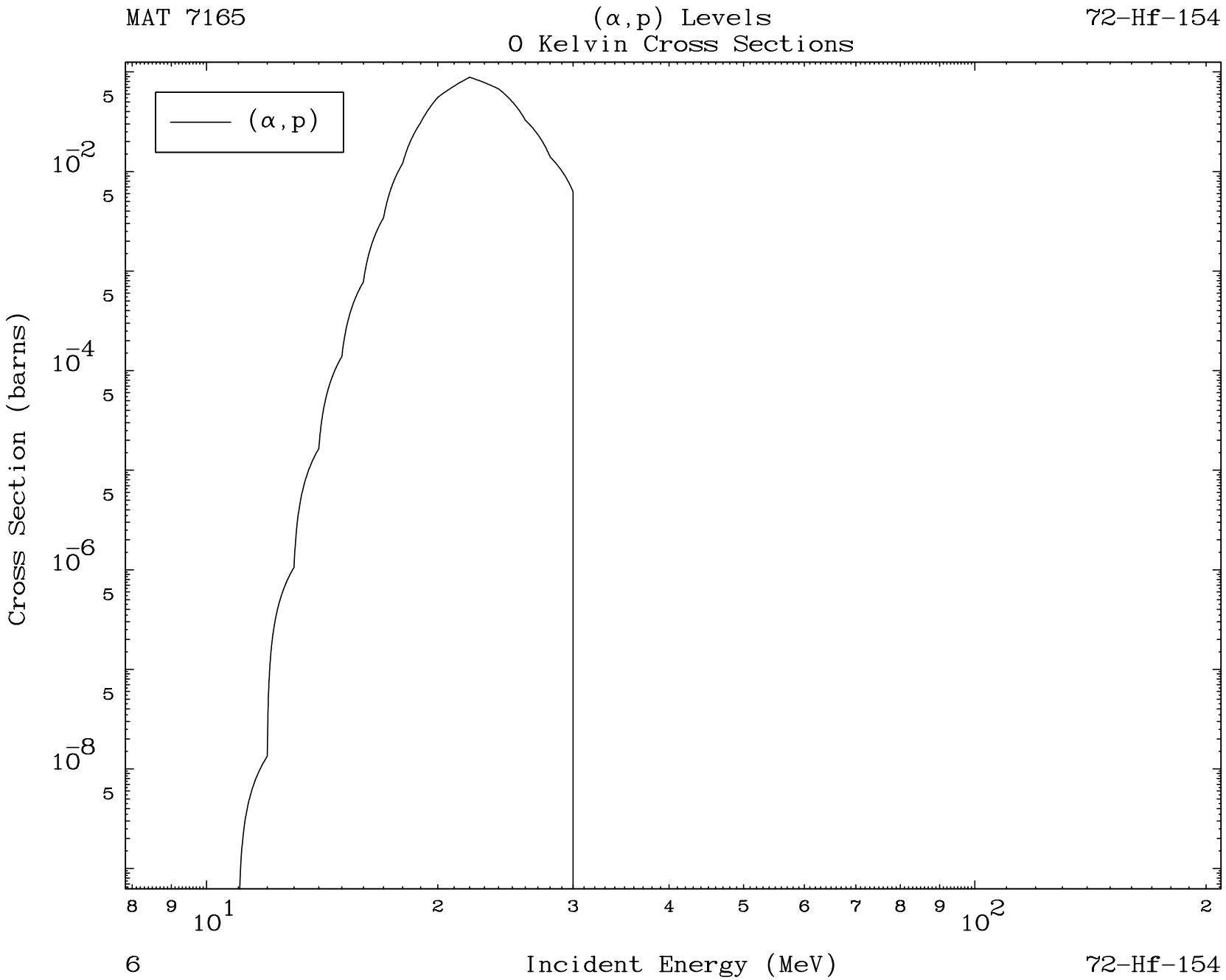

MAT 7165
α Major
72-Hf-154
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-154

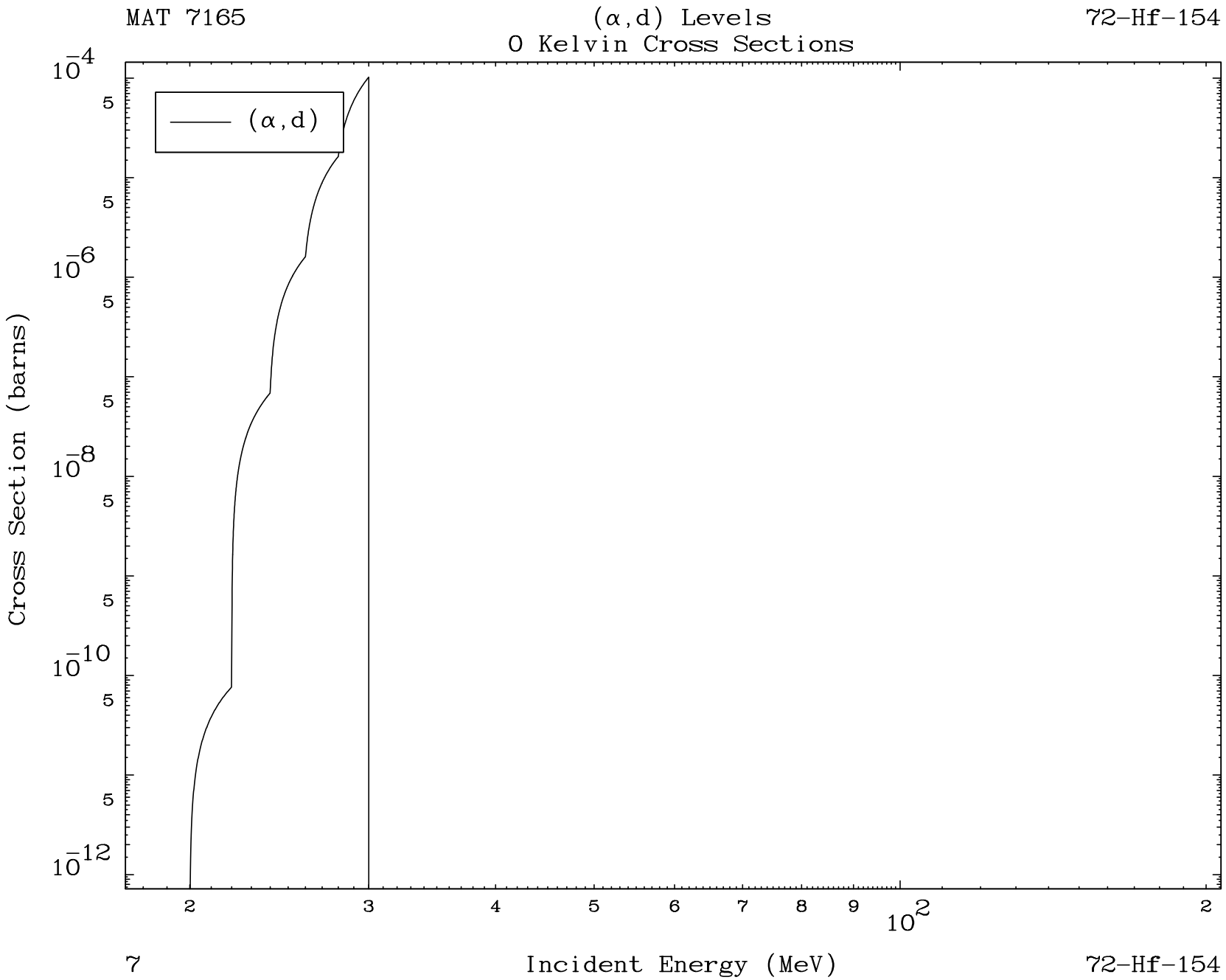

MAT 7165
α Neutron Production
0 Kelvin Cross Sections
72-Hf-154
(α,2n)
(α,n') α
(α,n') p
Cross Section (barns)
Incident Energy (MeV)
72-Hf-154
2

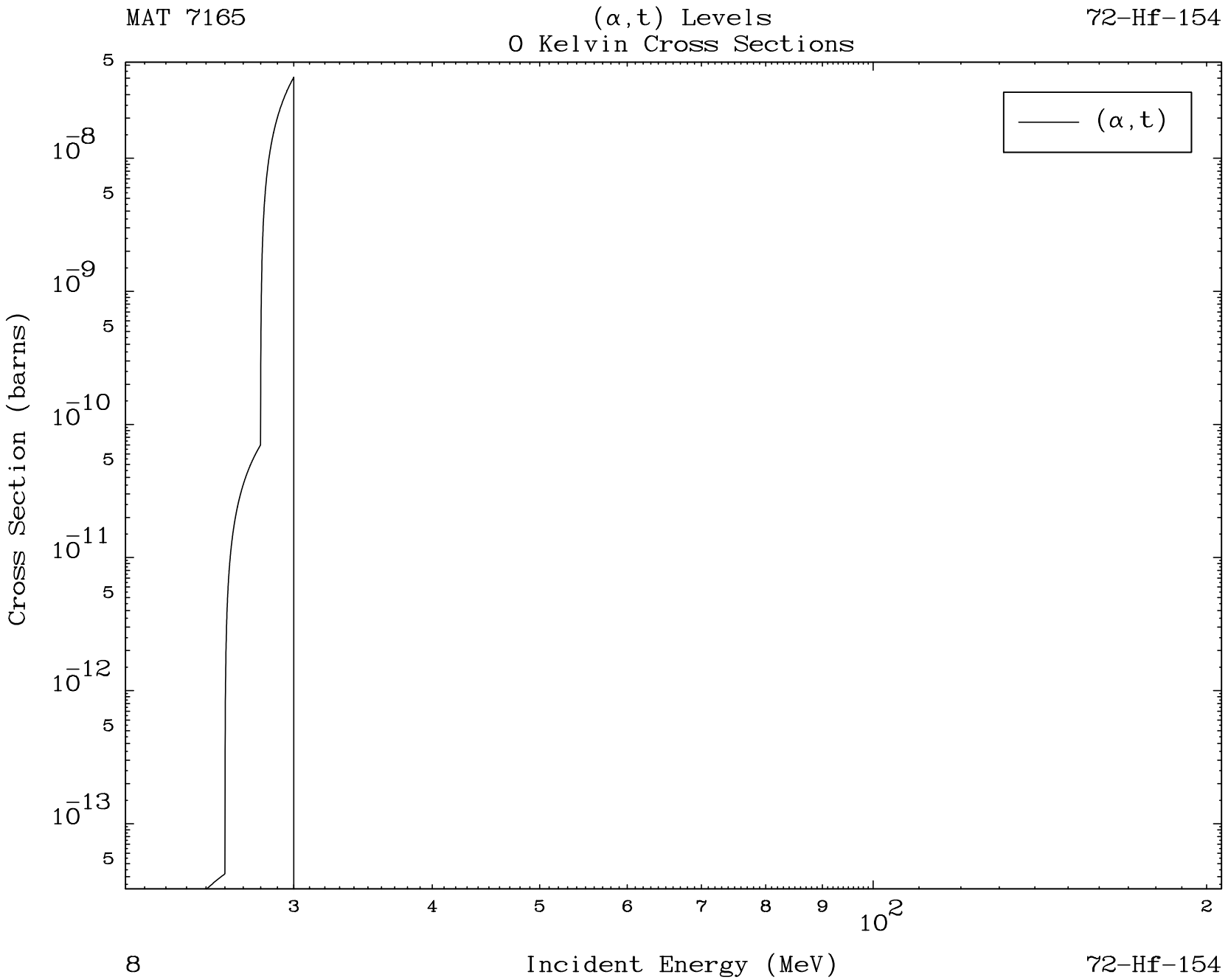

MAT 7165
α Charged Particle
0 Kelvin Cross Sections
72-Hf-154
(α,n') α
(α,n') p
(α,p)
(α,d)
(α,t)
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-154
3

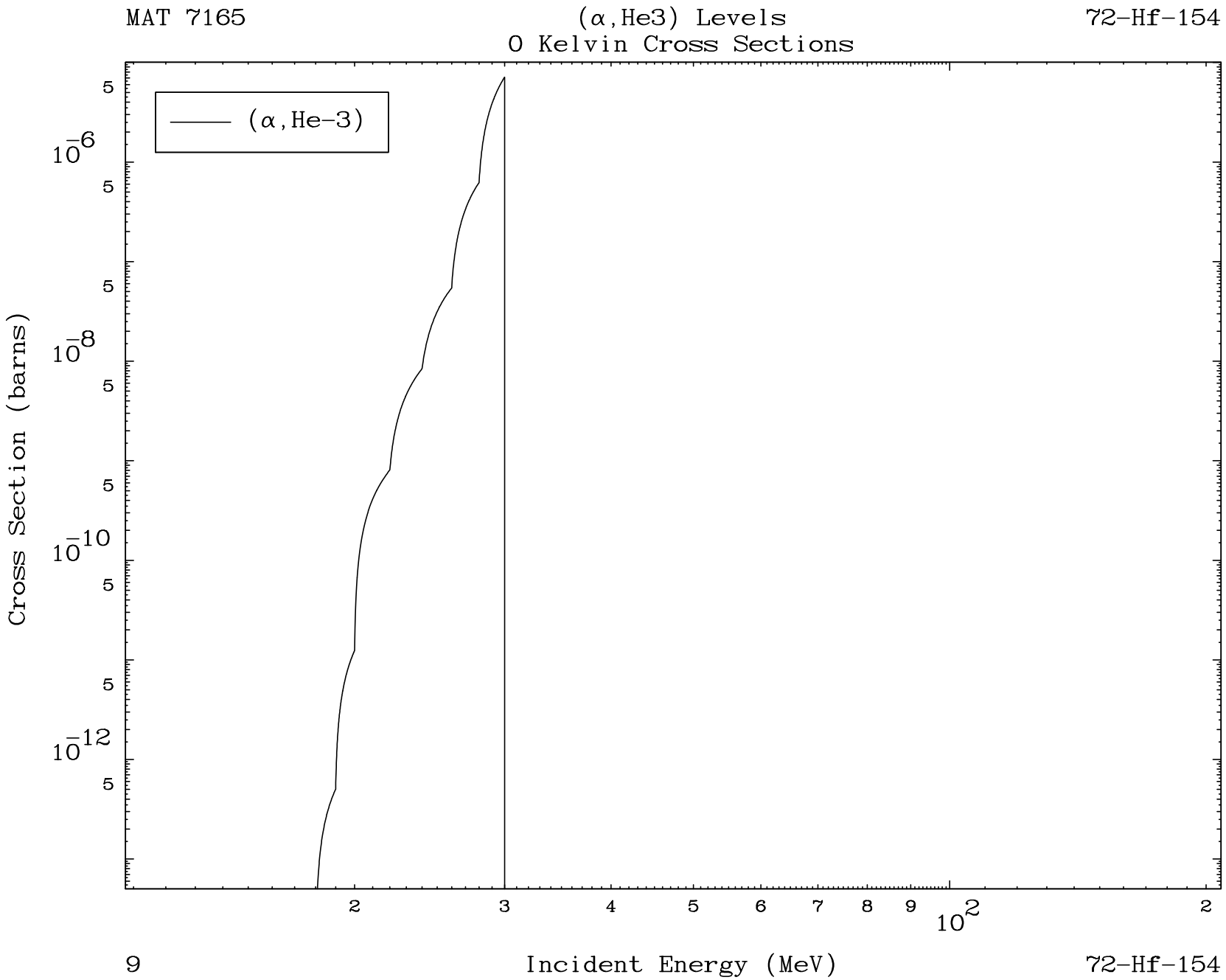

MAT 7165
α Charged Particle
0 Kelvin Cross Sections
72-Hf-154
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
72-Hf-154

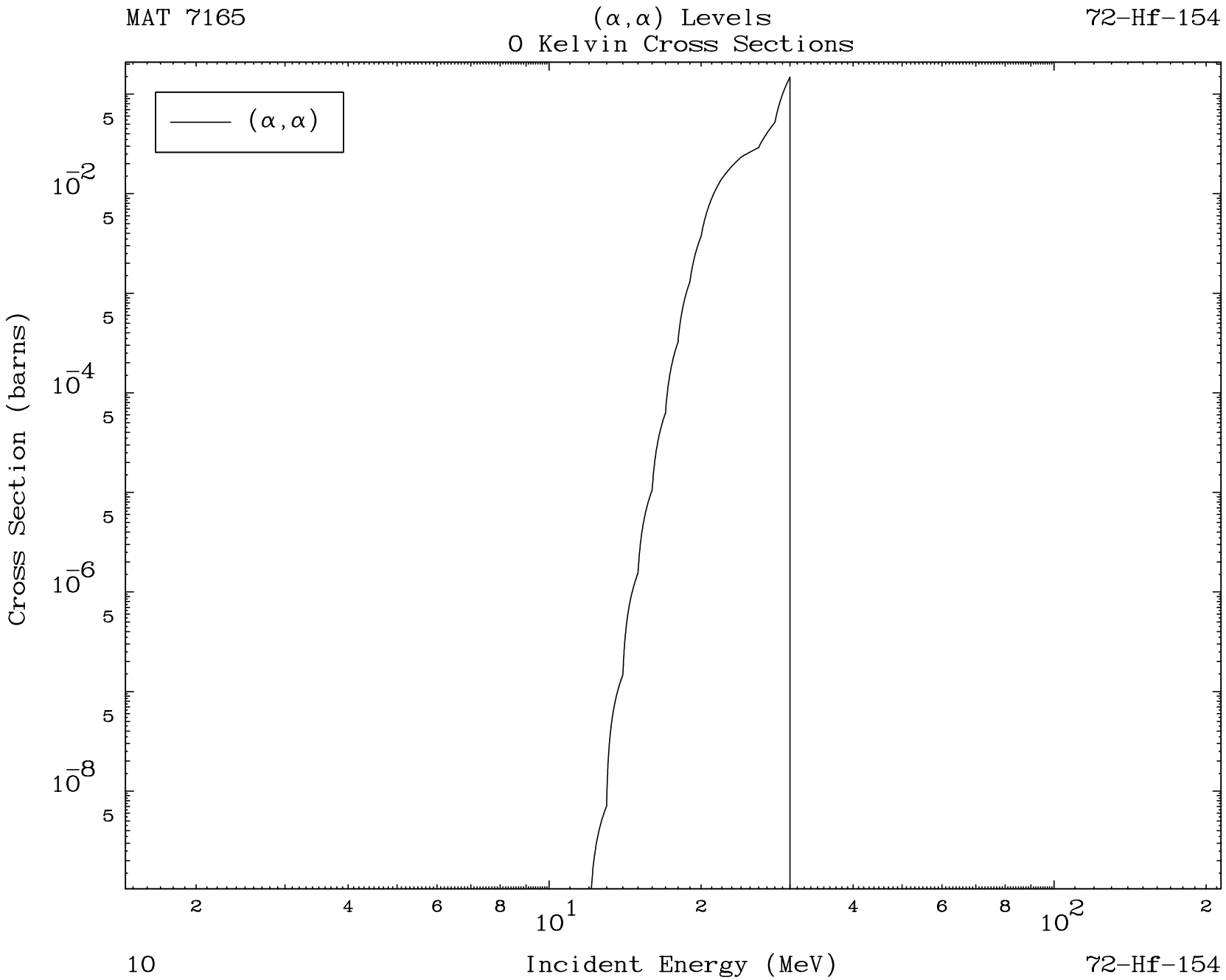

MAT 7165
(α,n') Level
72-Hf-154
0 Kelvin Cross Sections
α Inelastic
0.000
0.000
0.000
0.000
Cross Section (barns)
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
72-Hf-154

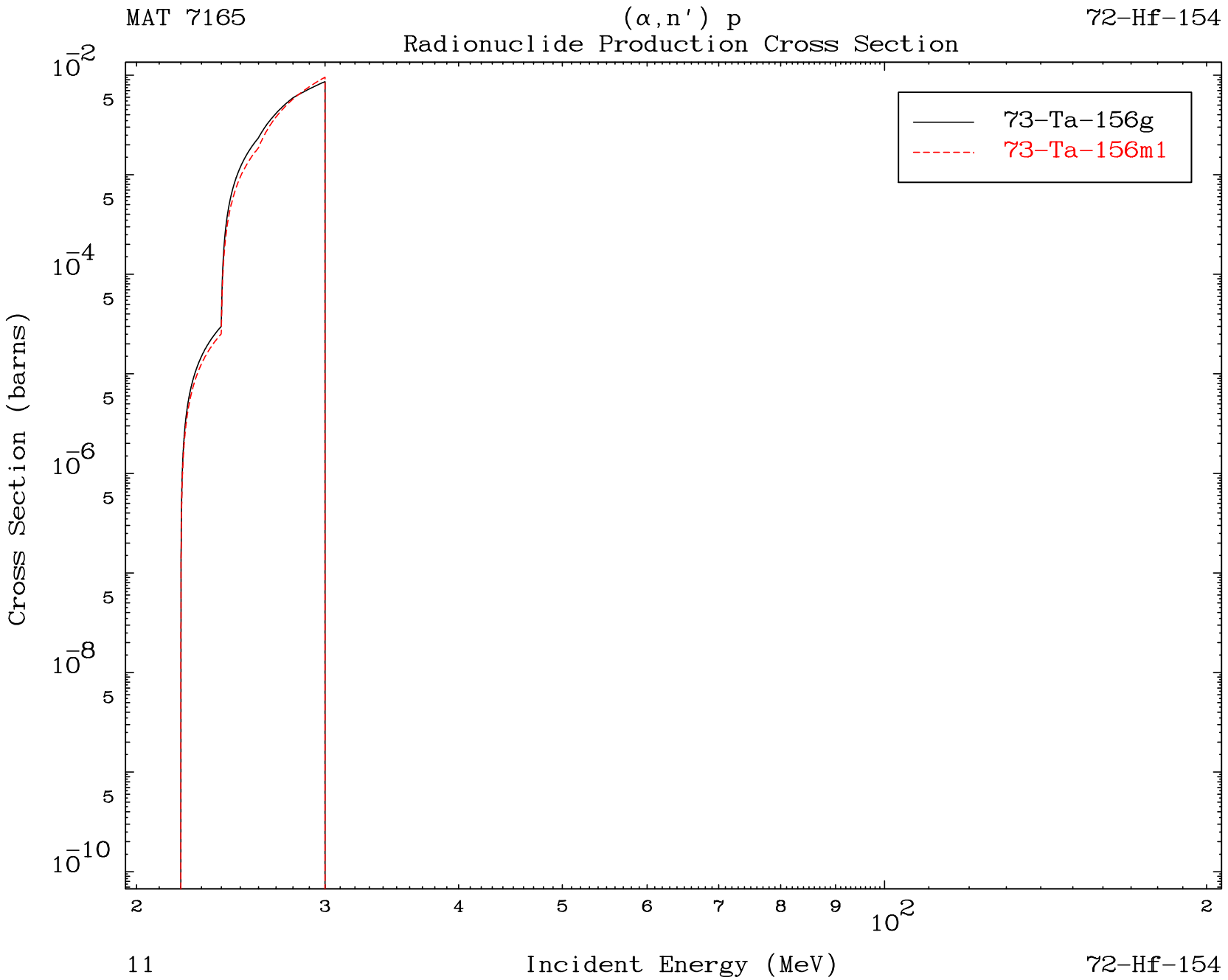

MAT 7165
(α,p) Levels
72-Hf-154
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
72-Hf-154

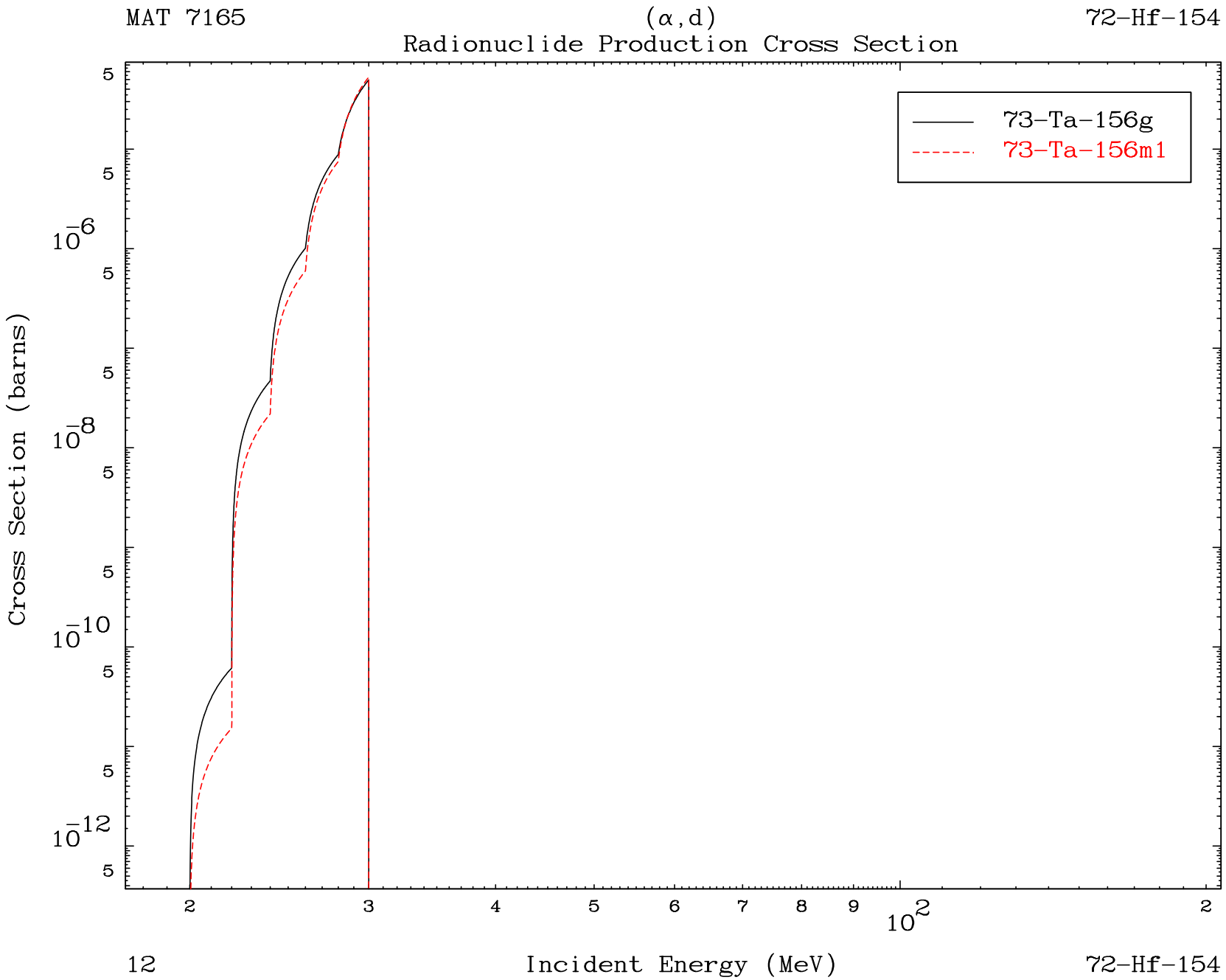

MAT 7165
(α,d) Levels
72-Hf-154
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
72-Hf-154


MAT 7165
(α,t) Levels
72-Hf-154
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-8
10-9
10-10
10-11
10-12
10-13
5
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
72-Hf-154


MAT 7165
(α,He3) Levels
72-Hf-154
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)
9
72-Hf-154


MAT 7165
(α,α) Levels
72-Hf-154
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
4
6
8
10^1
10^2
10
Incident Energy (MeV)
72-Hf-154


MAT 7165
(α,n') p
72-Hf-154
Radionuclide Production Cross Section
73-Ta-156g
73-Ta-156m1
Cross Section (barns)
Incident Energy (MeV)
11
72-Hf-154


MAT 7165
(α,d)
72-Hf-154
Radionuclide Production Cross Section
73-Ta-156g
73-Ta-156m1
Cross Section (barns)
5
5
10^-6
5
10^-8
5
5
10^-10
5
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
72-Hf-154