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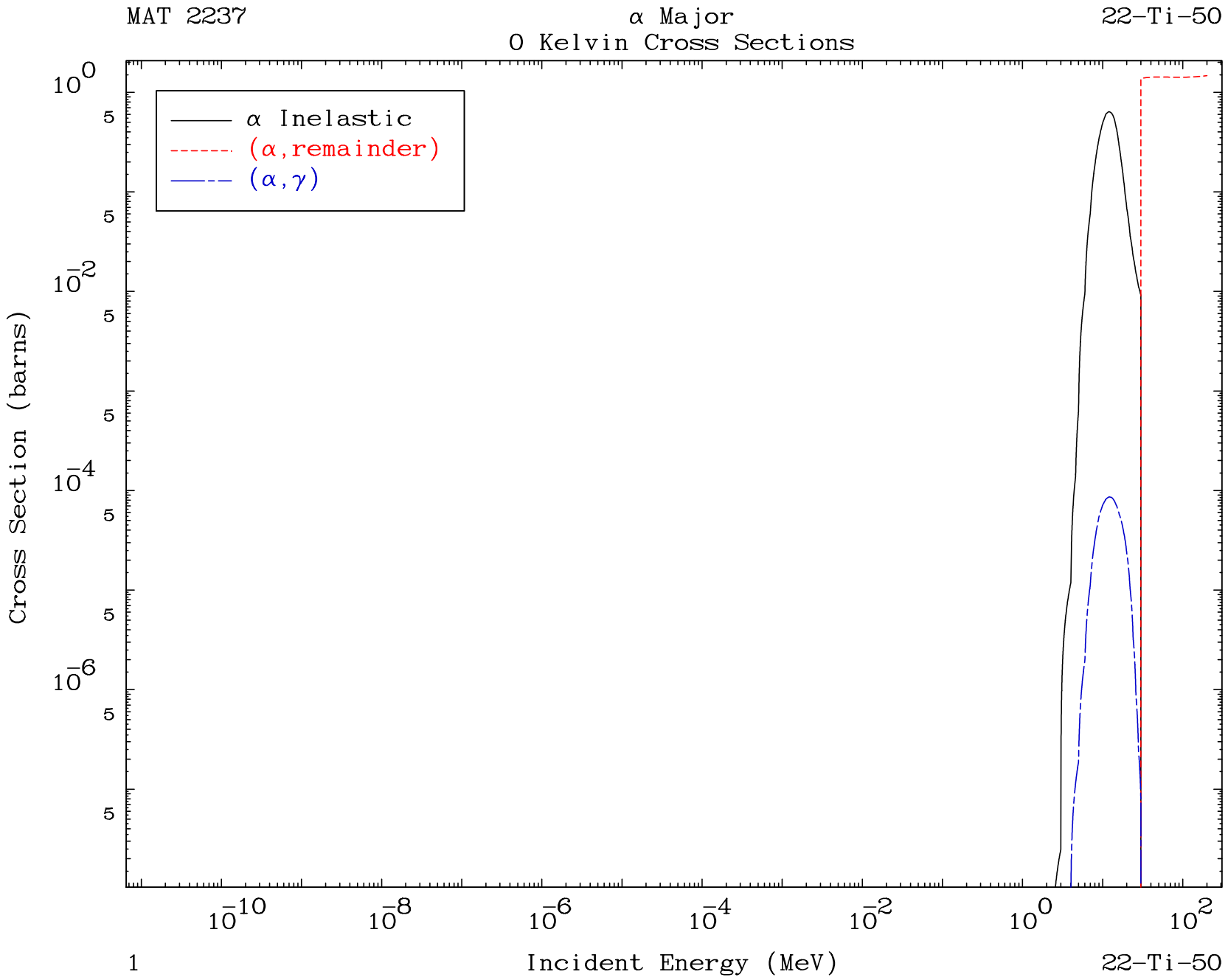
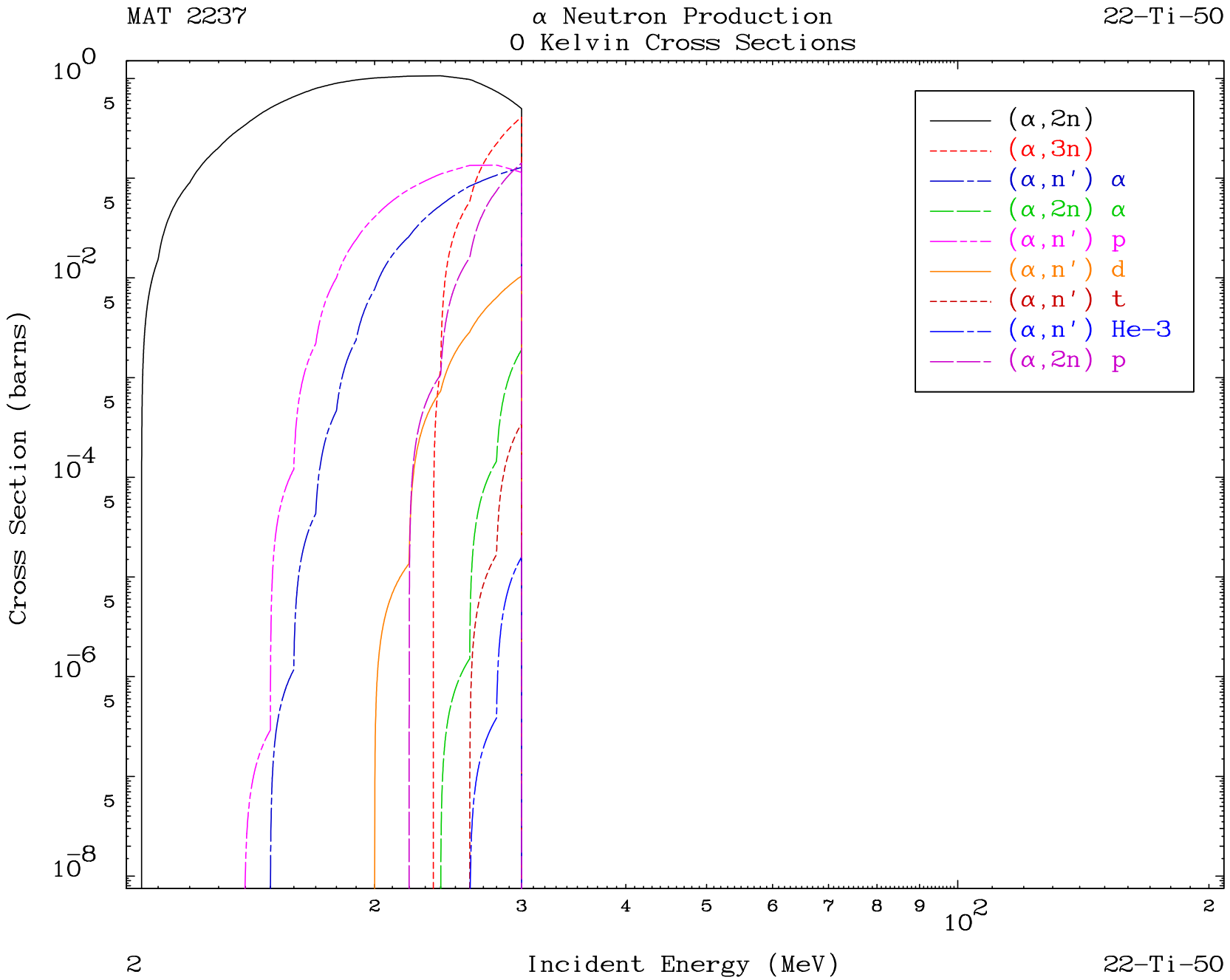
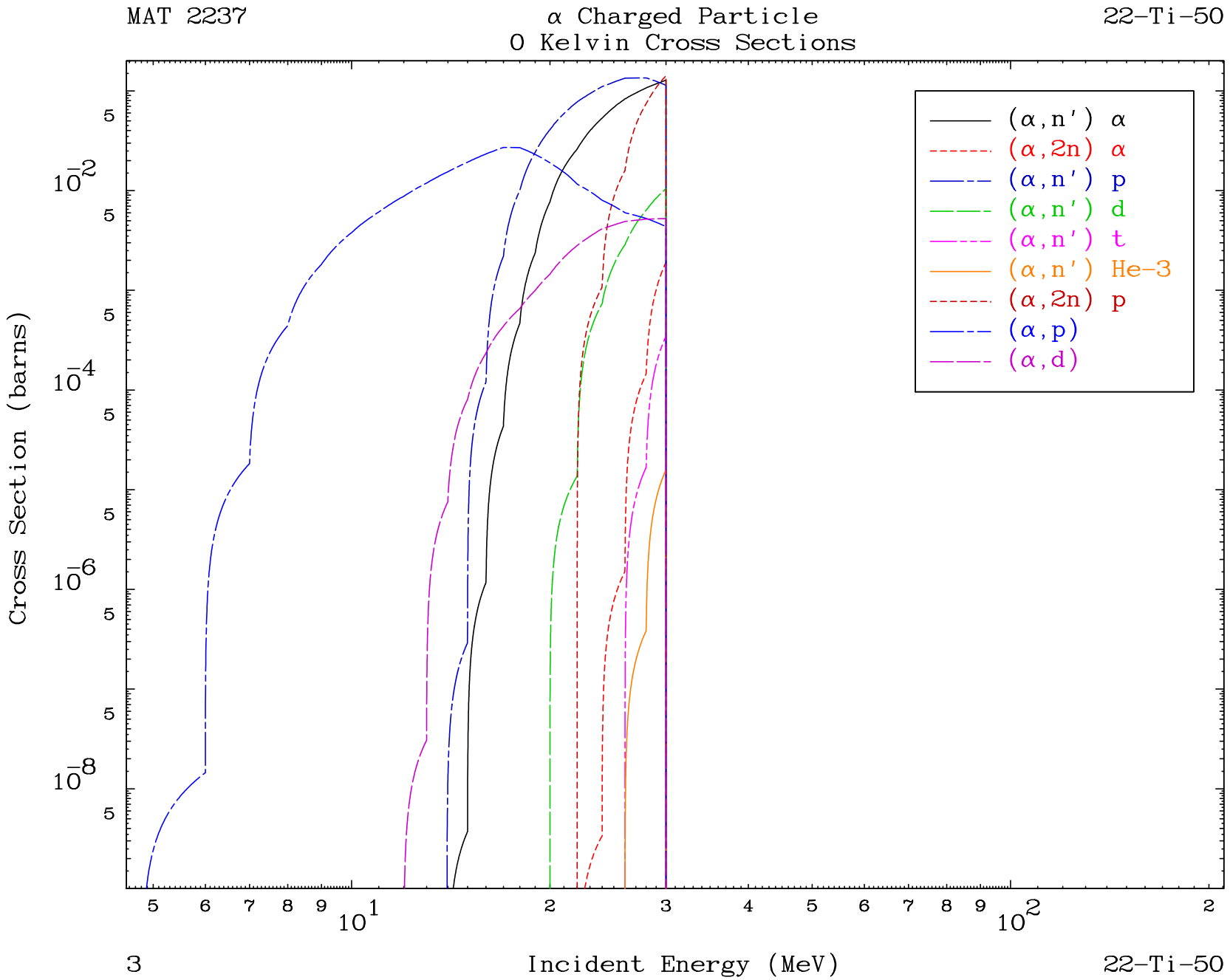
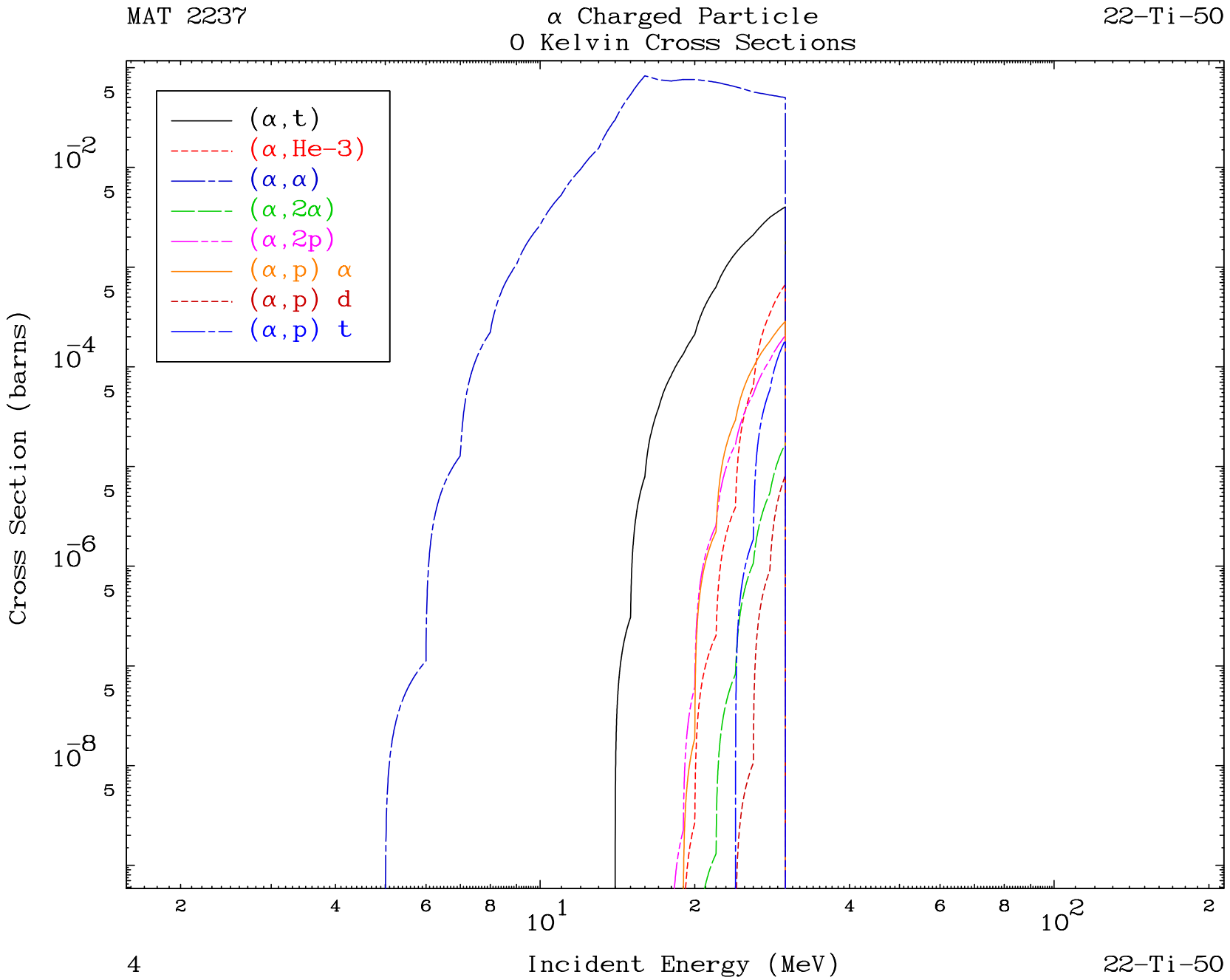
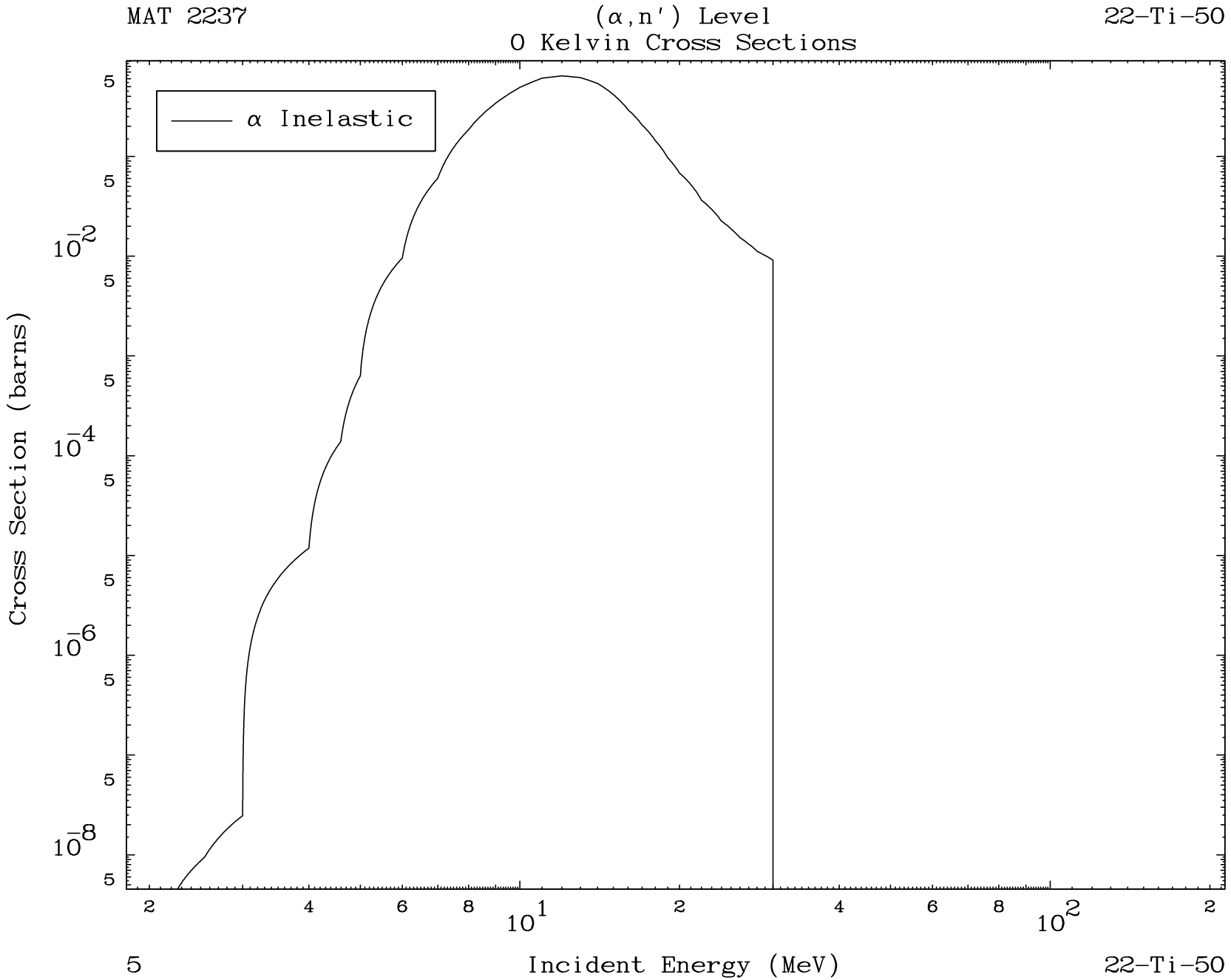
Press Mouse Button to Start

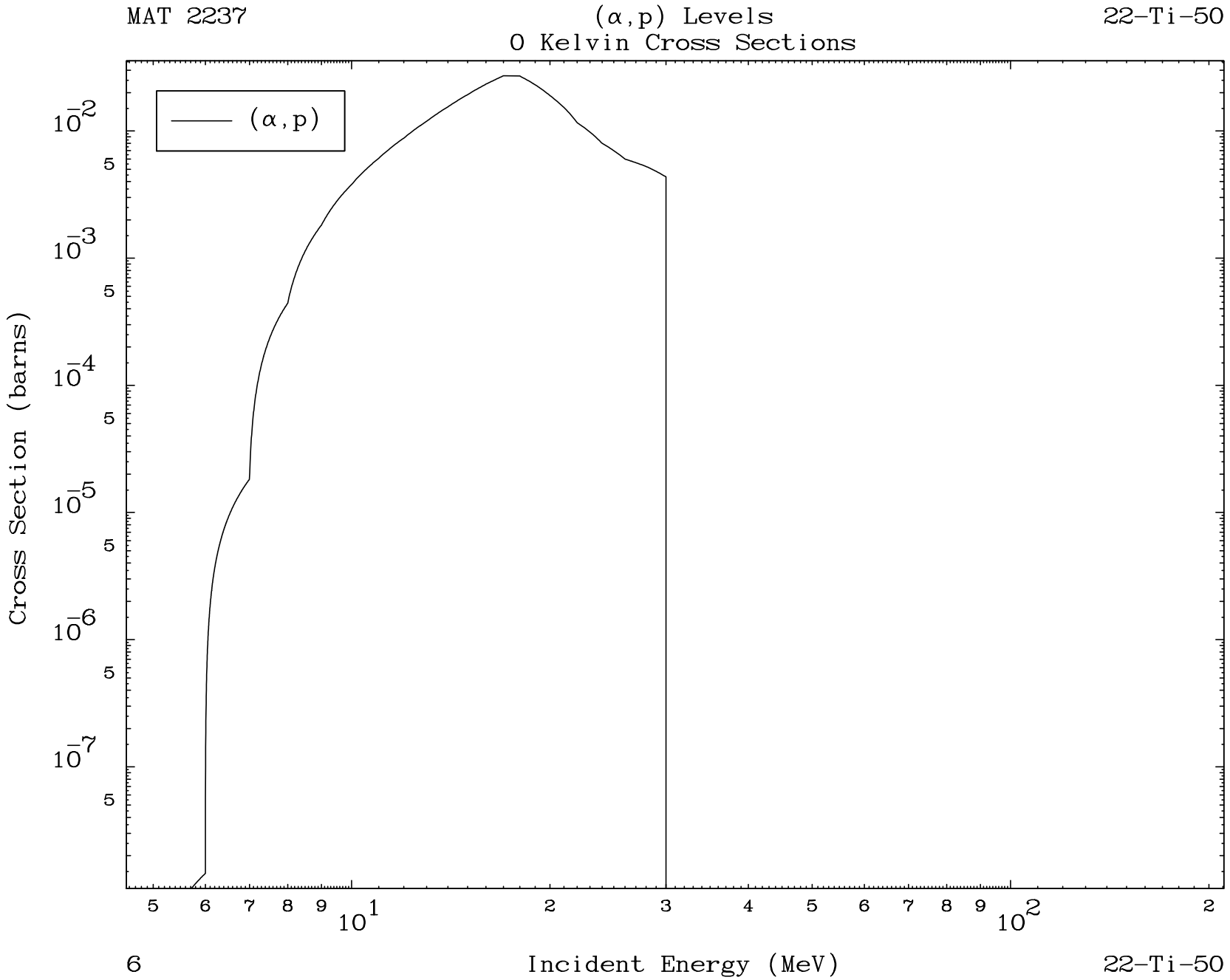

MAT 2237
α Major
22-Ti-50
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
22-Ti-50

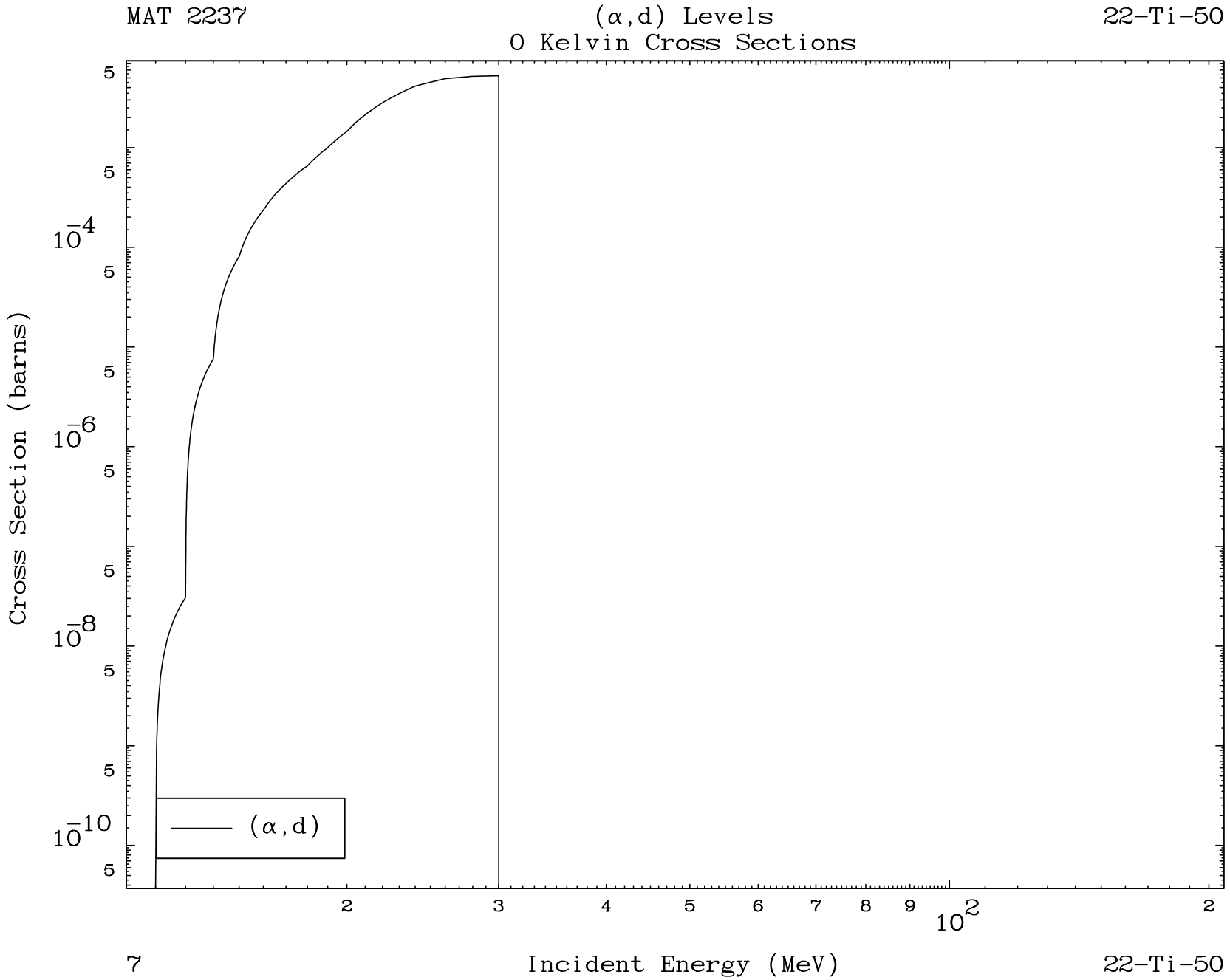

MAT 2237
α Neutron Production
0 Kelvin Cross Sections
22-Ti-50
Cross Section (barns)
Incident Energy (MeV)
22-Ti-50
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p

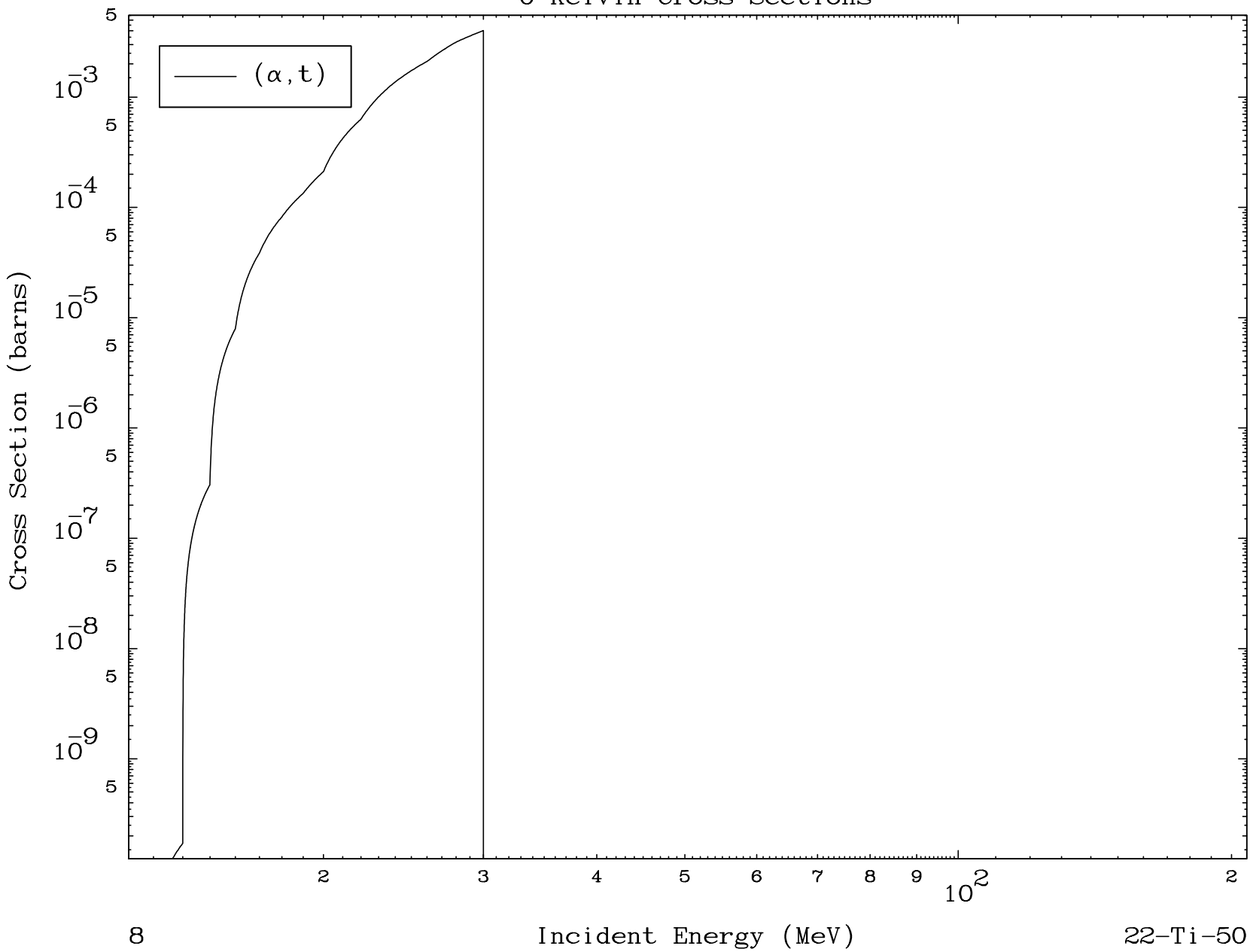

MAT 2237
α Charged Particle
0 Kelvin Cross Sections
22-Ti-50
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
3
22-Ti-50
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,p)
(α,d)

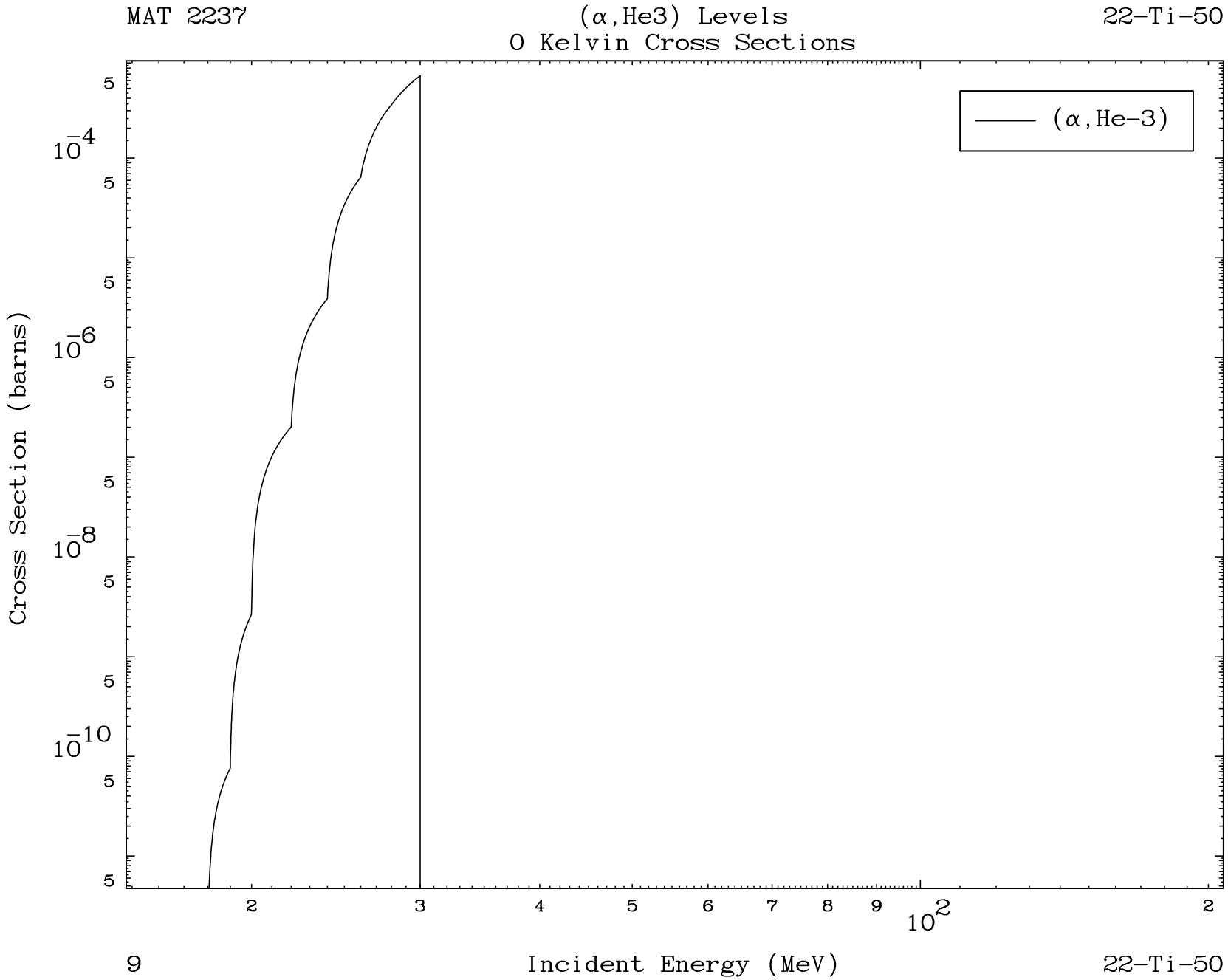

MAT 2237
α Charged Particle
0 Kelvin Cross Sections
22-Ti-50
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
22-Ti-50

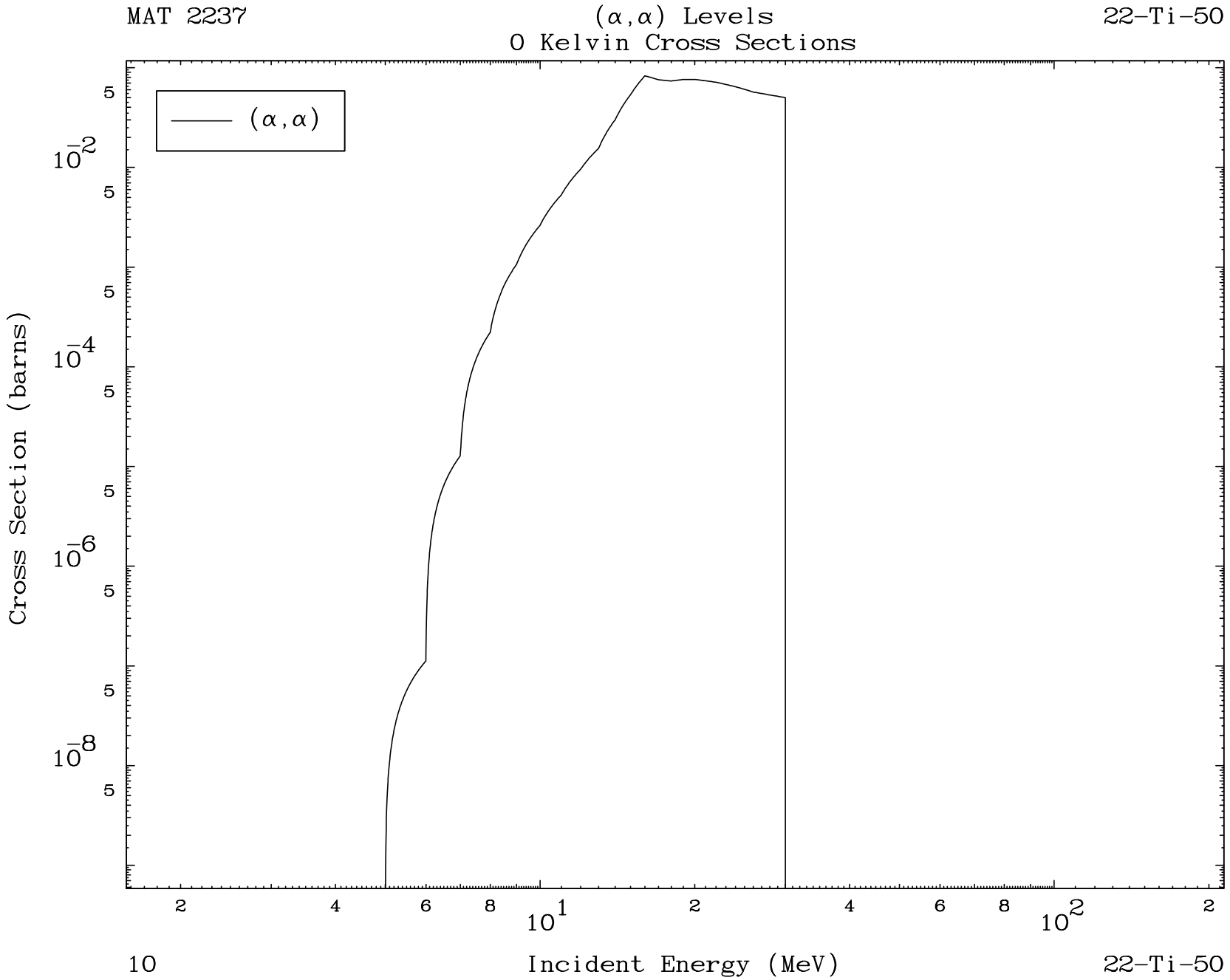

MAT 2237
(α,n') Level
22-Ti-50
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
22-Ti-50

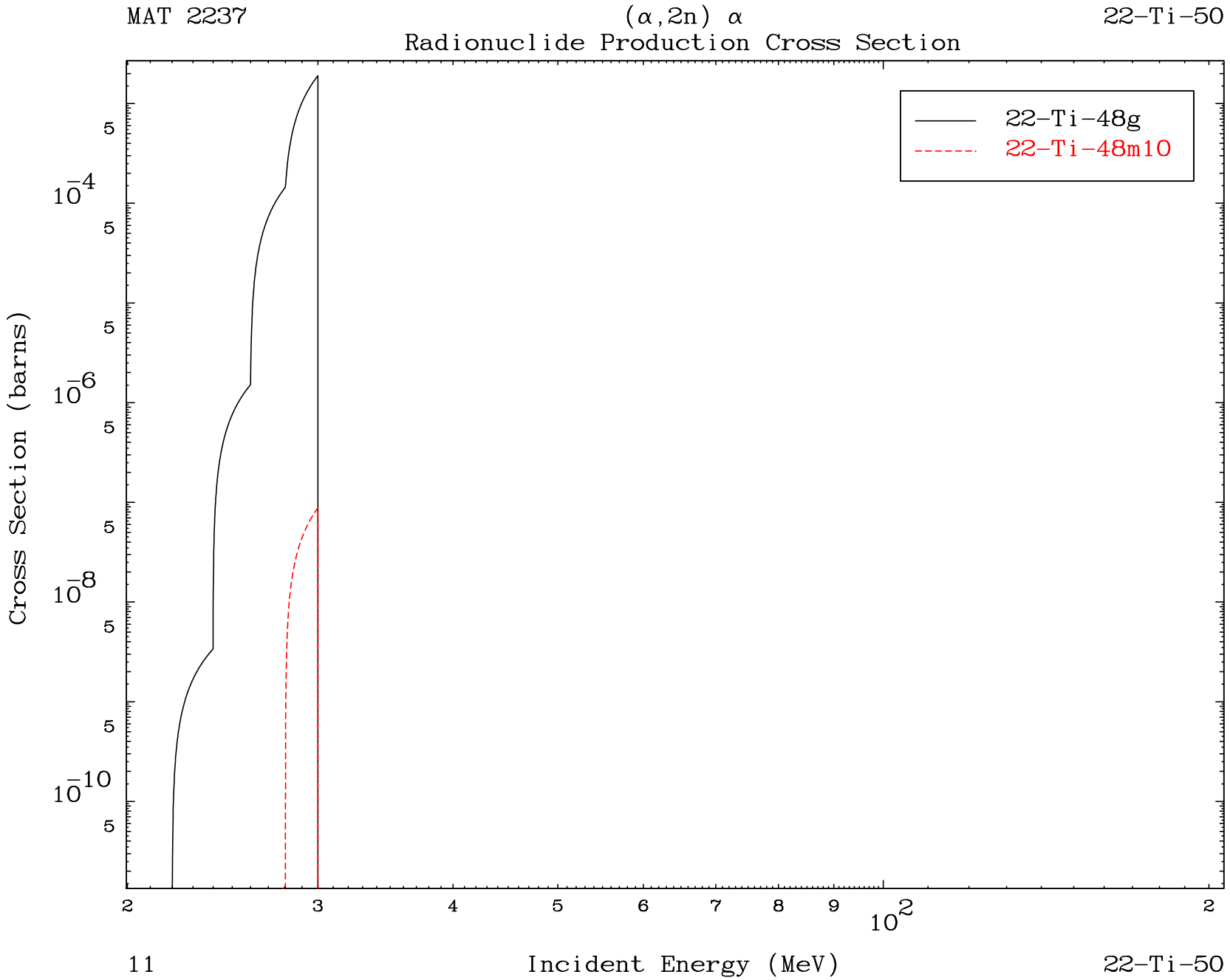

MAT 2237
(α,p) Levels
22-Ti-50
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
22-Ti-50


MAT 2237
(α,d) Levels
22-Ti-50
0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(α,d)
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
22-Ti-50


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


MAT 2237
(α,He3) Levels
0 Kelvin Cross Sections
22-Ti-50
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
22-Ti-50


MAT 2237
(α,α) Levels
22-Ti-50
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)
22-Ti-50


MAT 2237
(α,2n) α
22-Ti-50
Radionuclide Production Cross Section
22-Ti-48g
22-Ti-48m10
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
22-Ti-50