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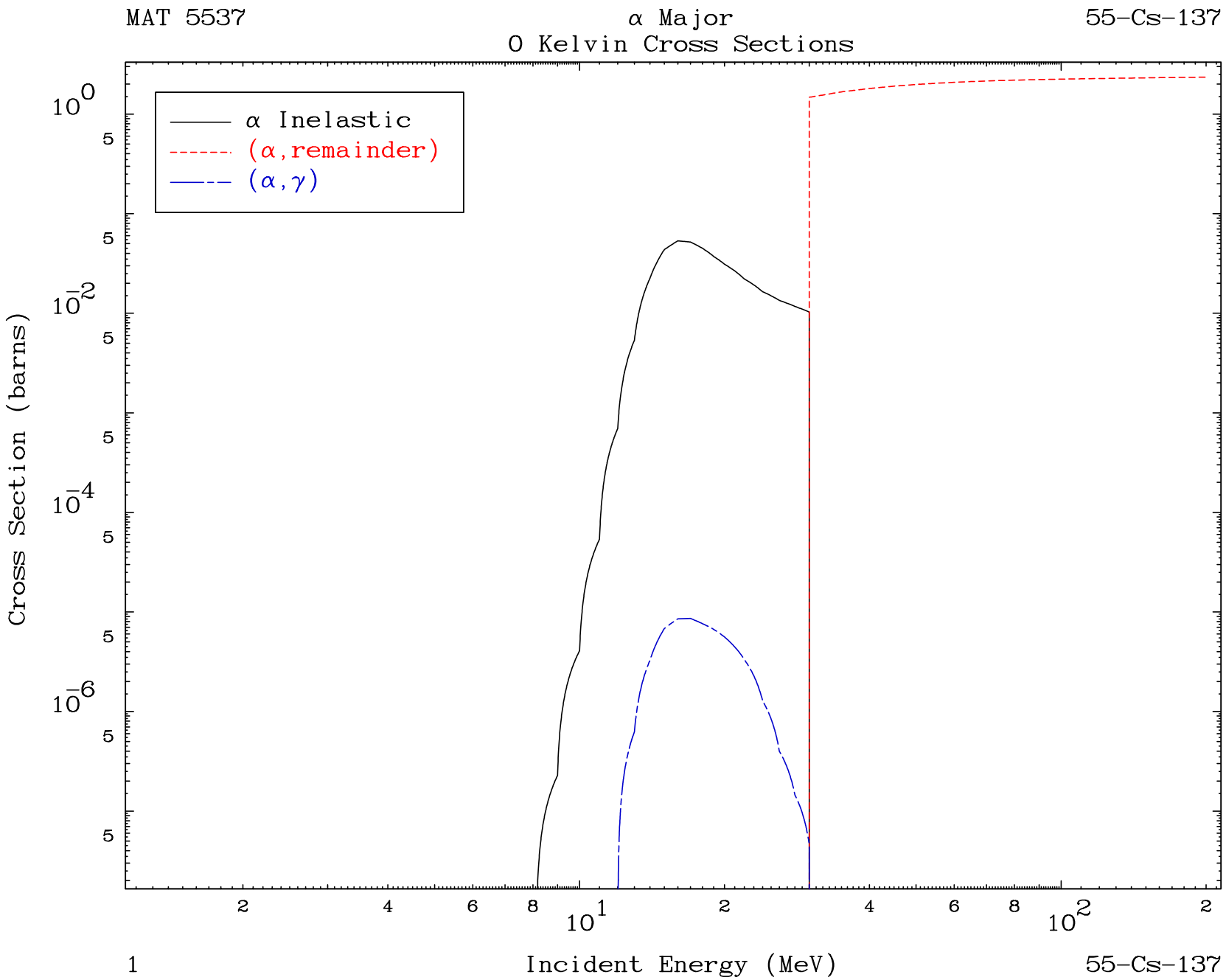
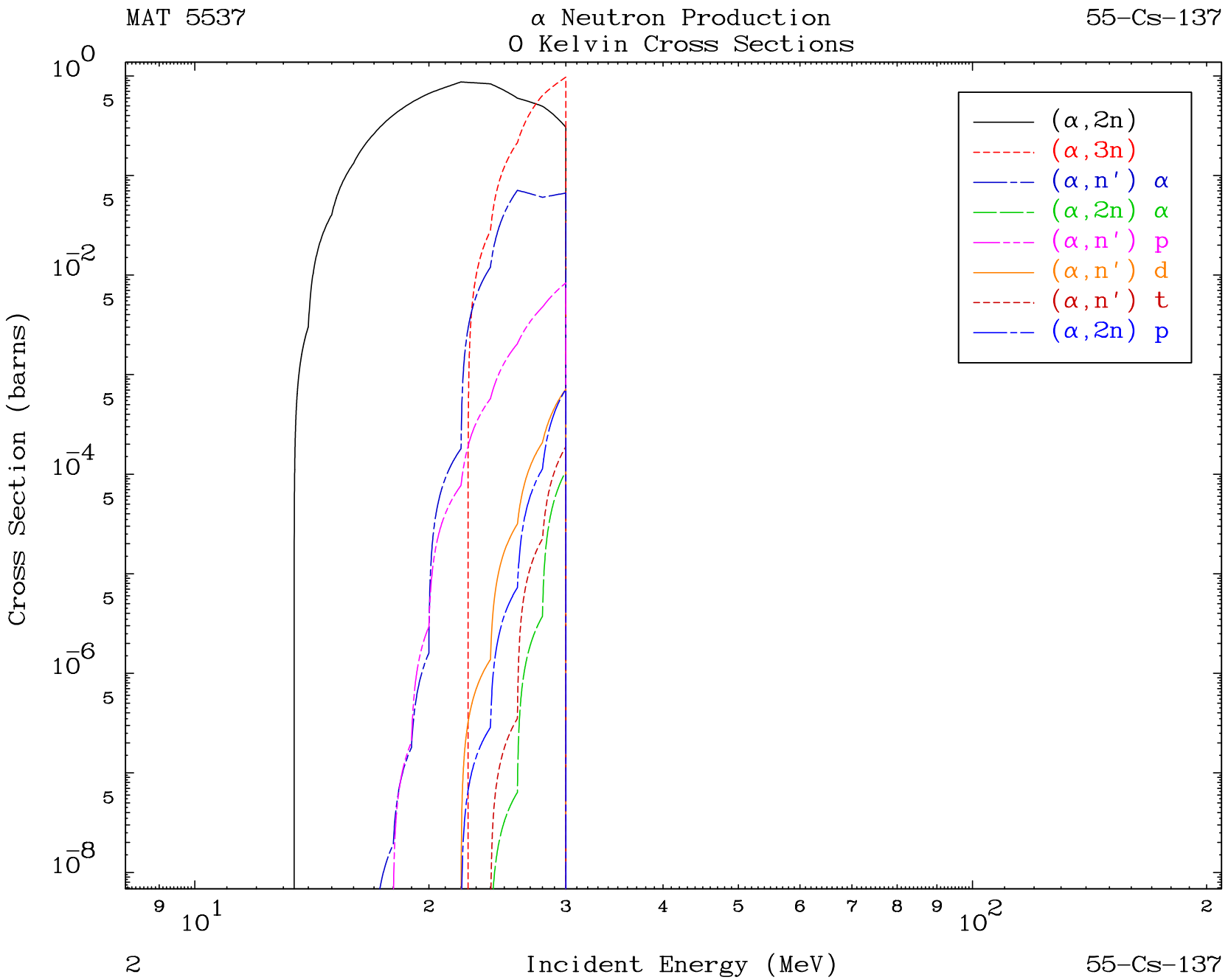
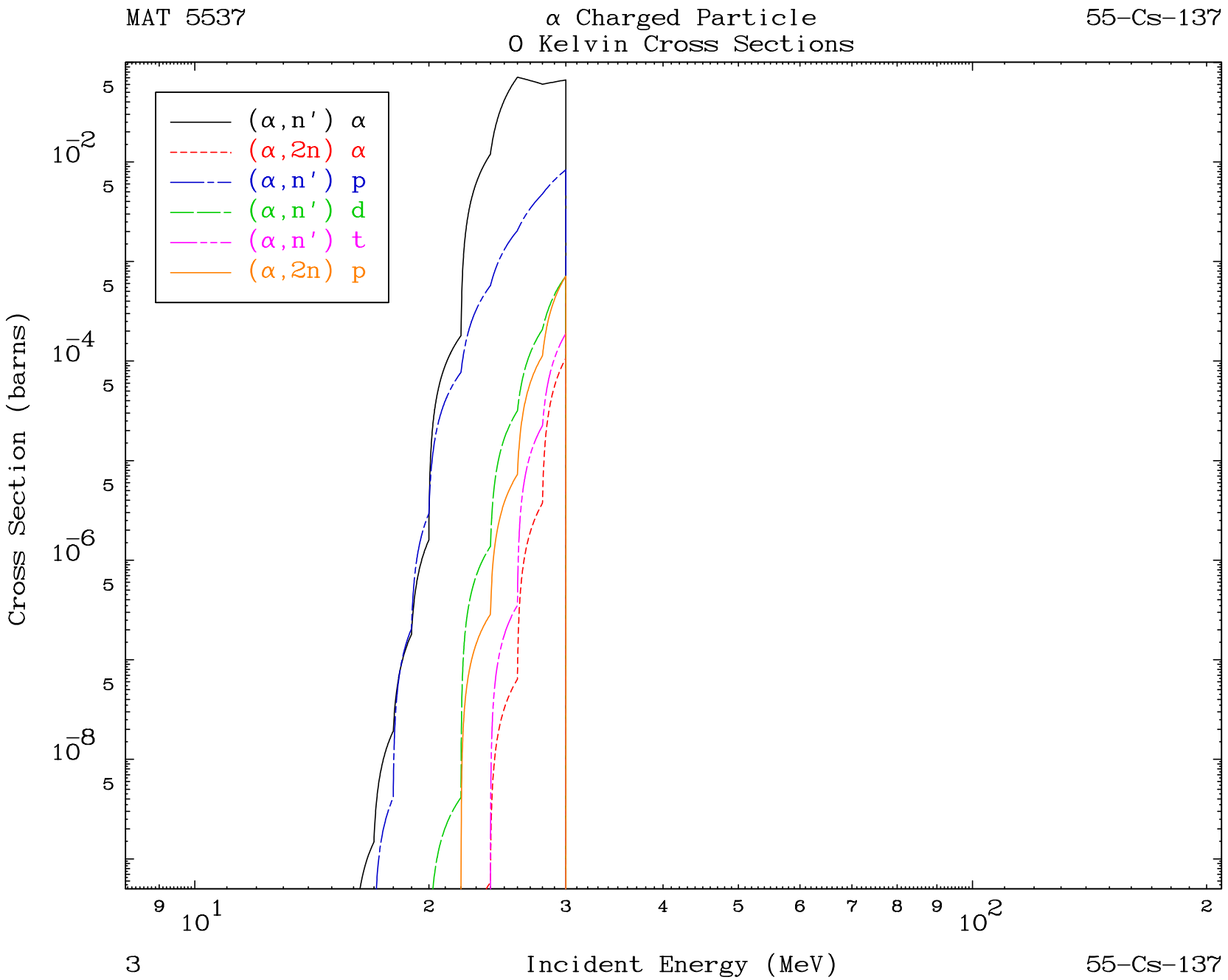
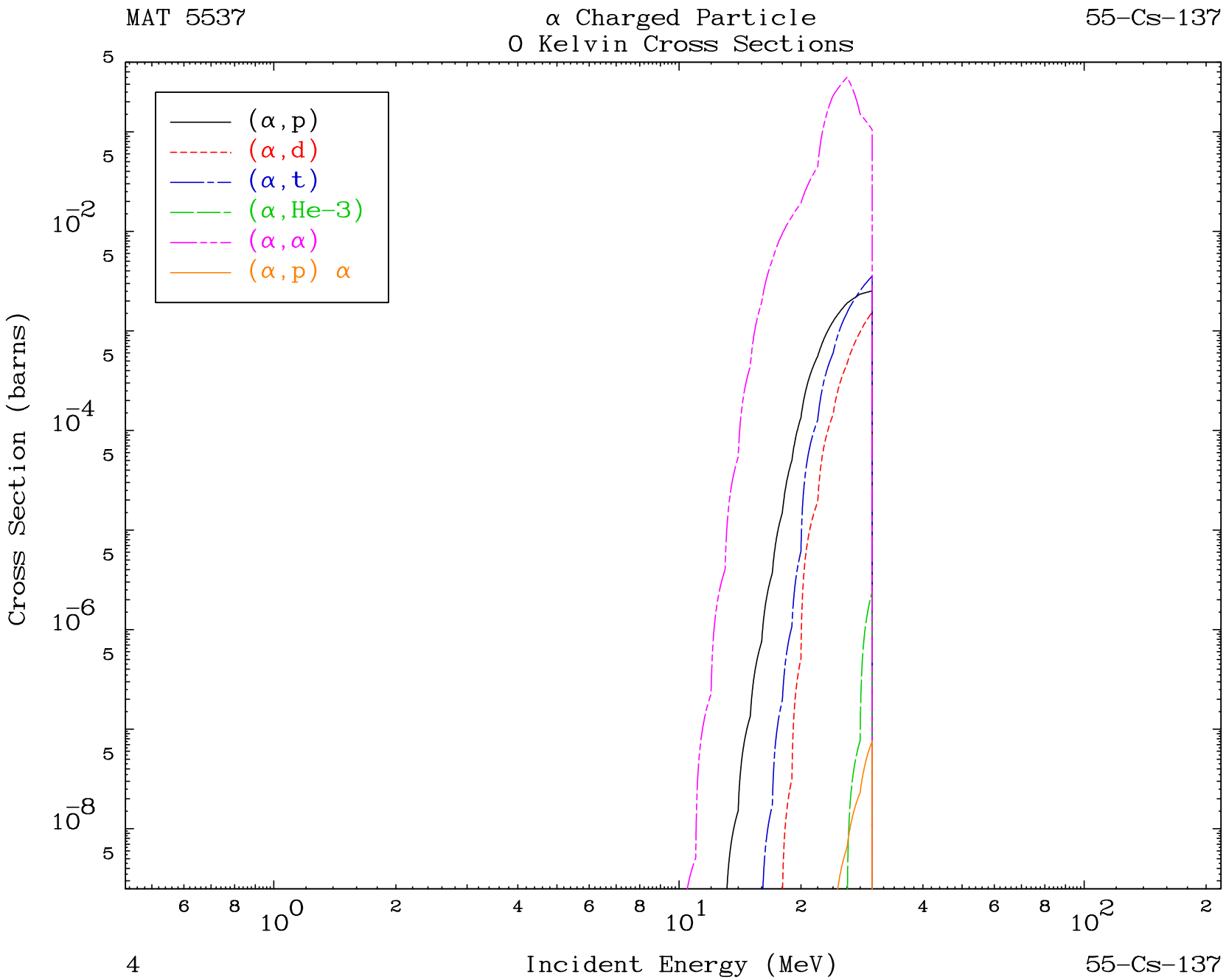
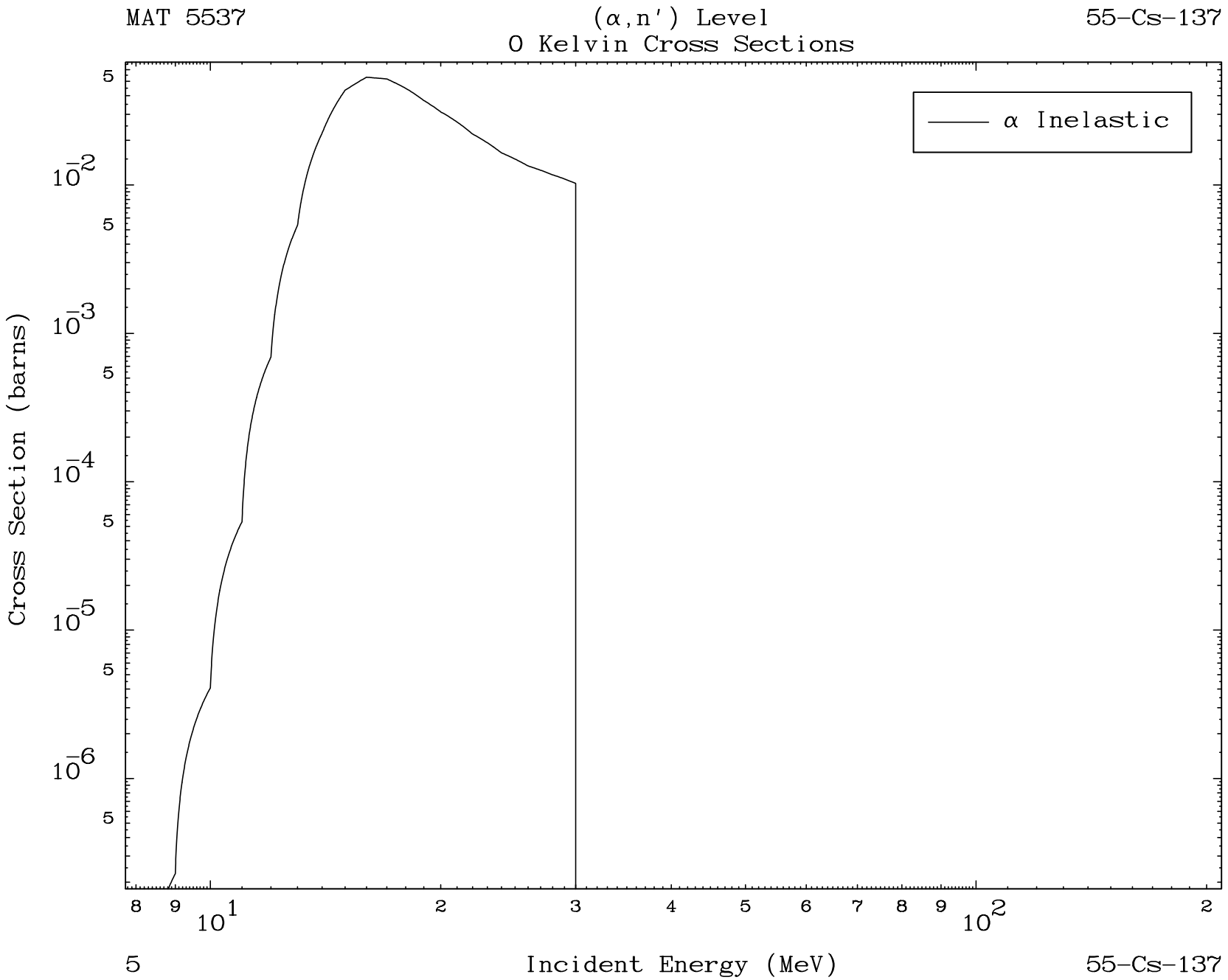
Press Mouse Button to Start

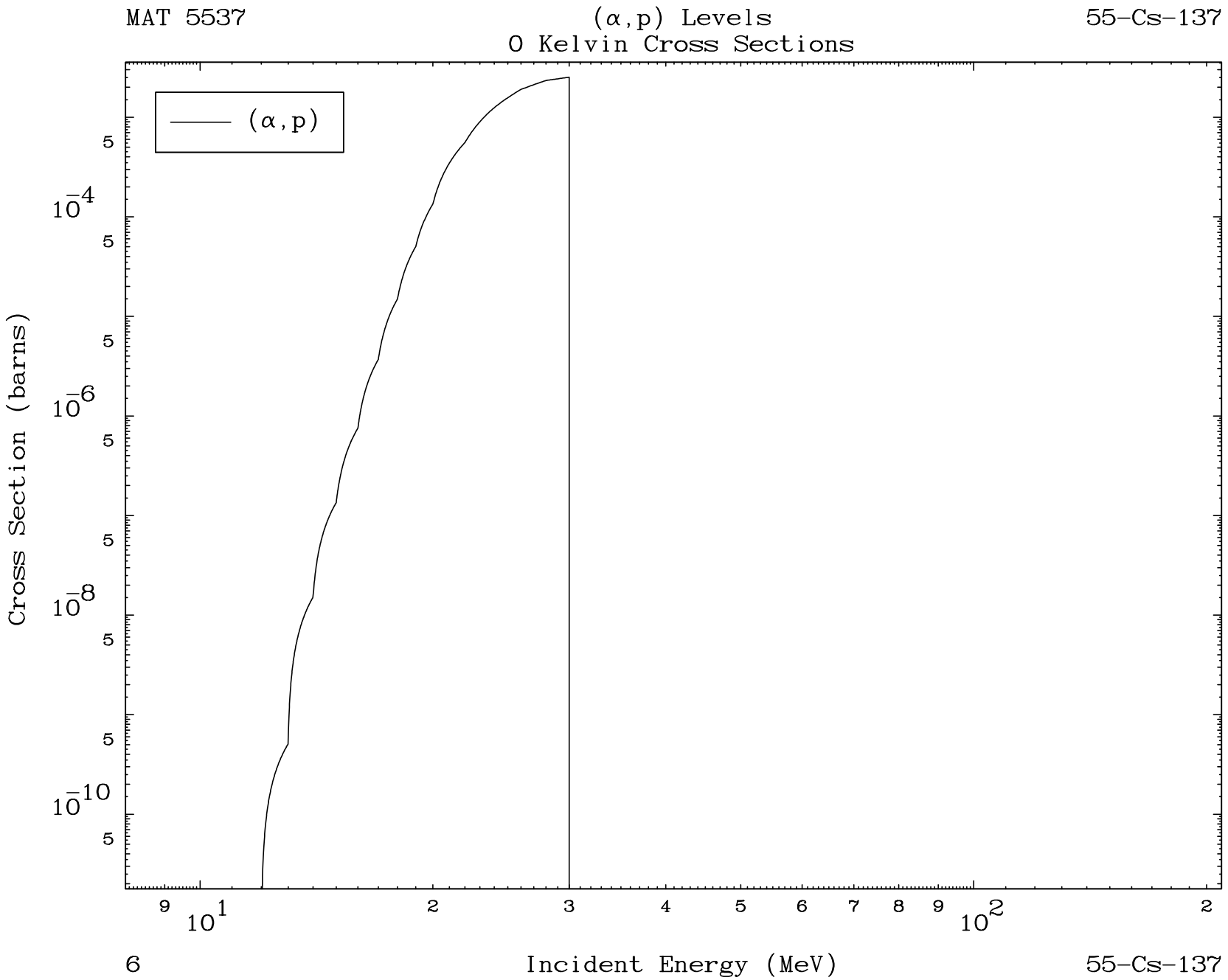

MAT 5537
α Major
55-Cs-137
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-137

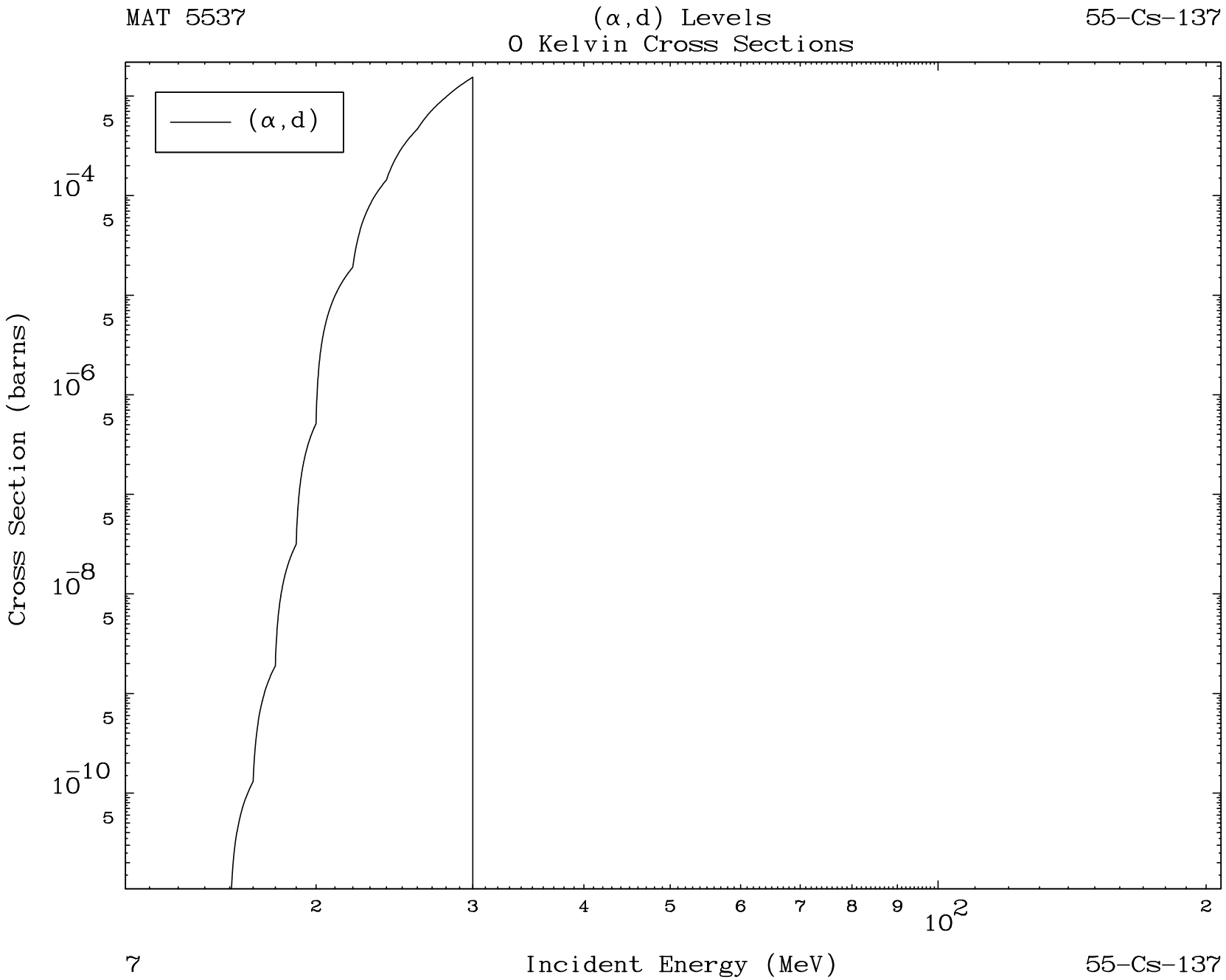

MAT 5537
α Neutron Production
0 Kelvin Cross Sections
55-Cs-137
Cross Section (barns)
Incident Energy (MeV)
55-Cs-137
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p

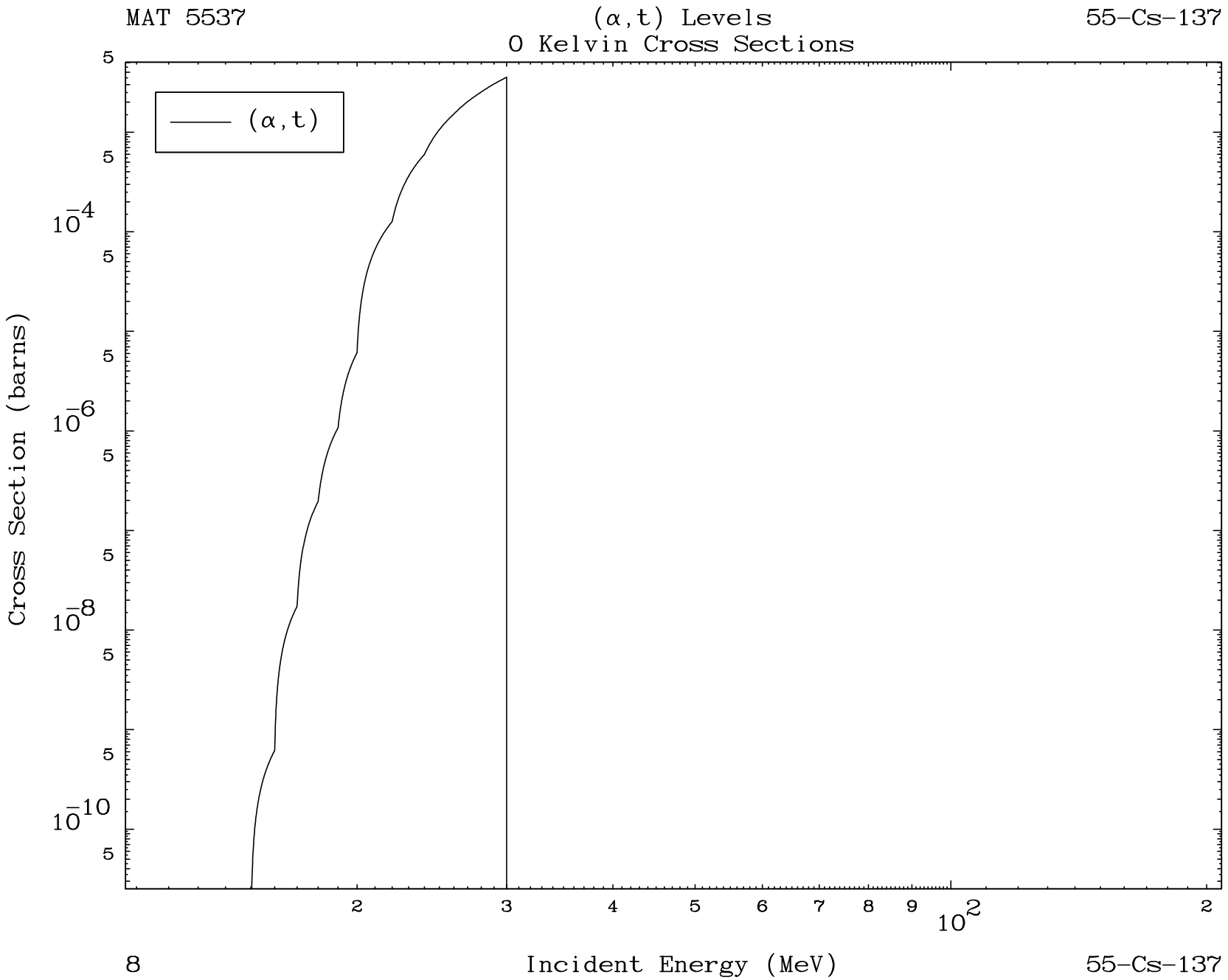

MAT 5537
α Charged Particle
0 Kelvin Cross Sections
55-Cs-137
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
55-Cs-137
3

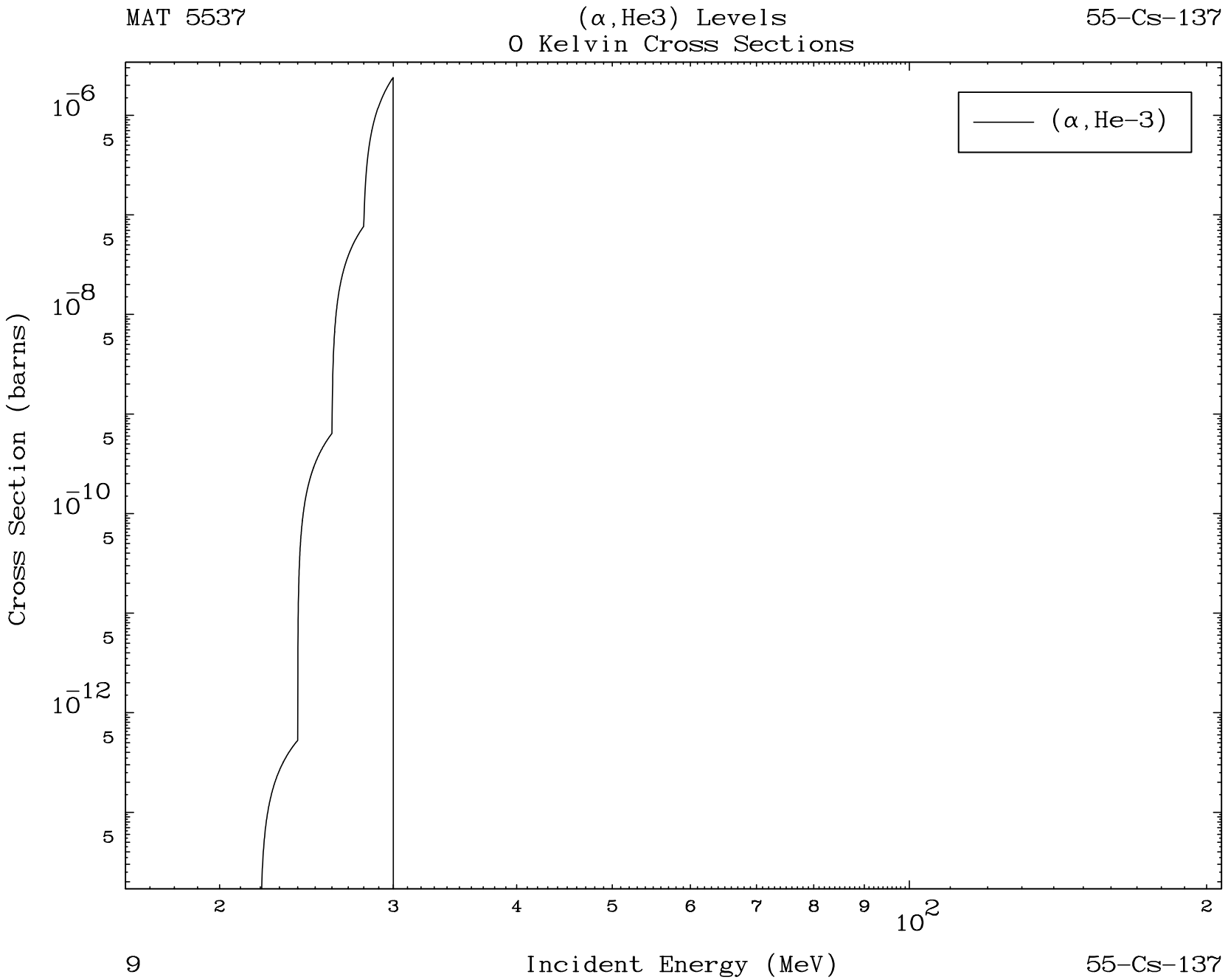

MAT 5537
α Charged Particle
0 Kelvin Cross Sections
55-Cs-137
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
4
55-Cs-137

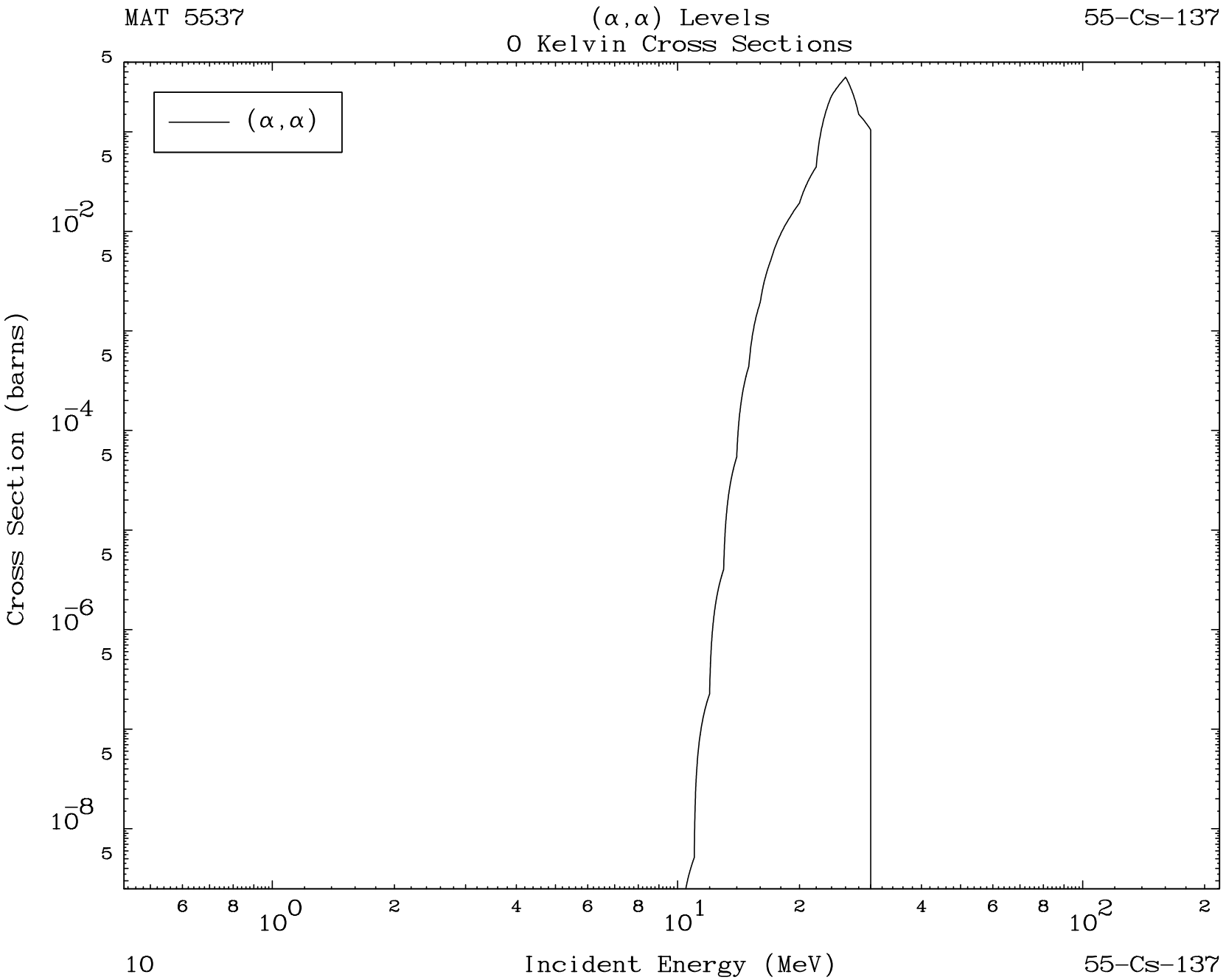

MAT 5537
(α,n') Level
55-Cs-137
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
55-Cs-137

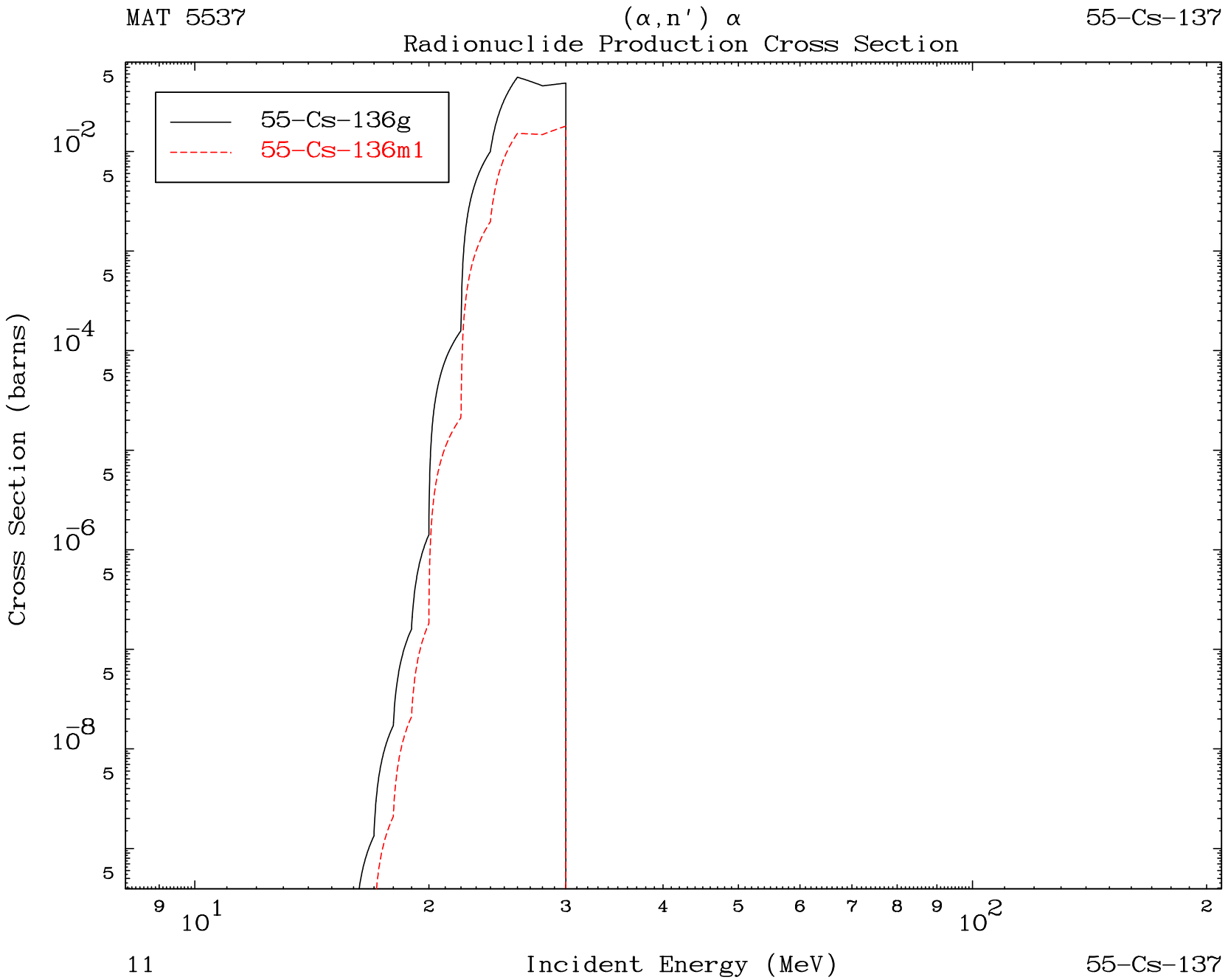

MAT 5537
(α,p) Levels
55-Cs-137
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
6
55-Cs-137

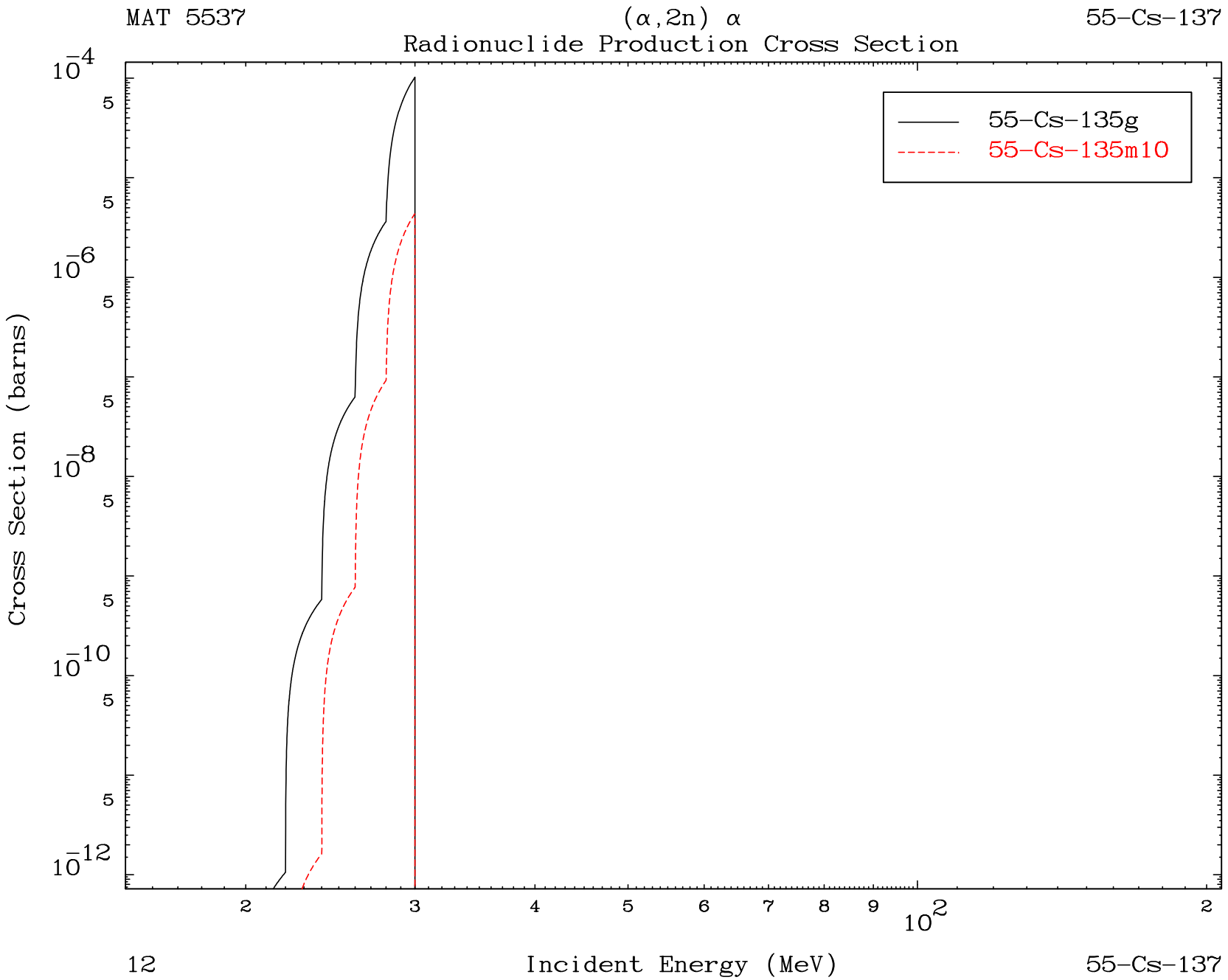

MAT 5537
(α,d) Levels
55-Cs-137
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
55-Cs-137

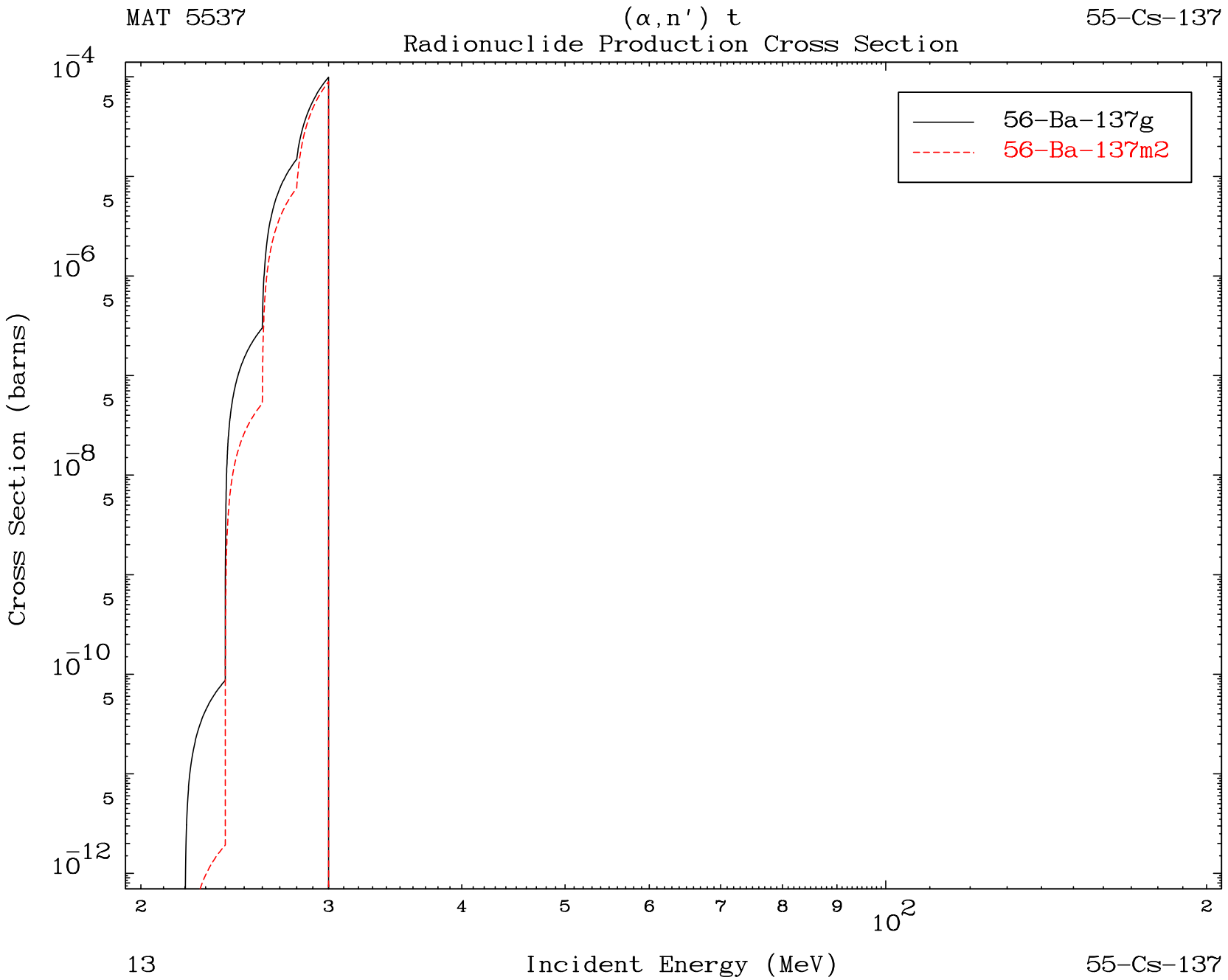

MAT 5537
(α,t) Levels
55-Cs-137
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
Incident Energy (MeV)
8
55-Cs-137

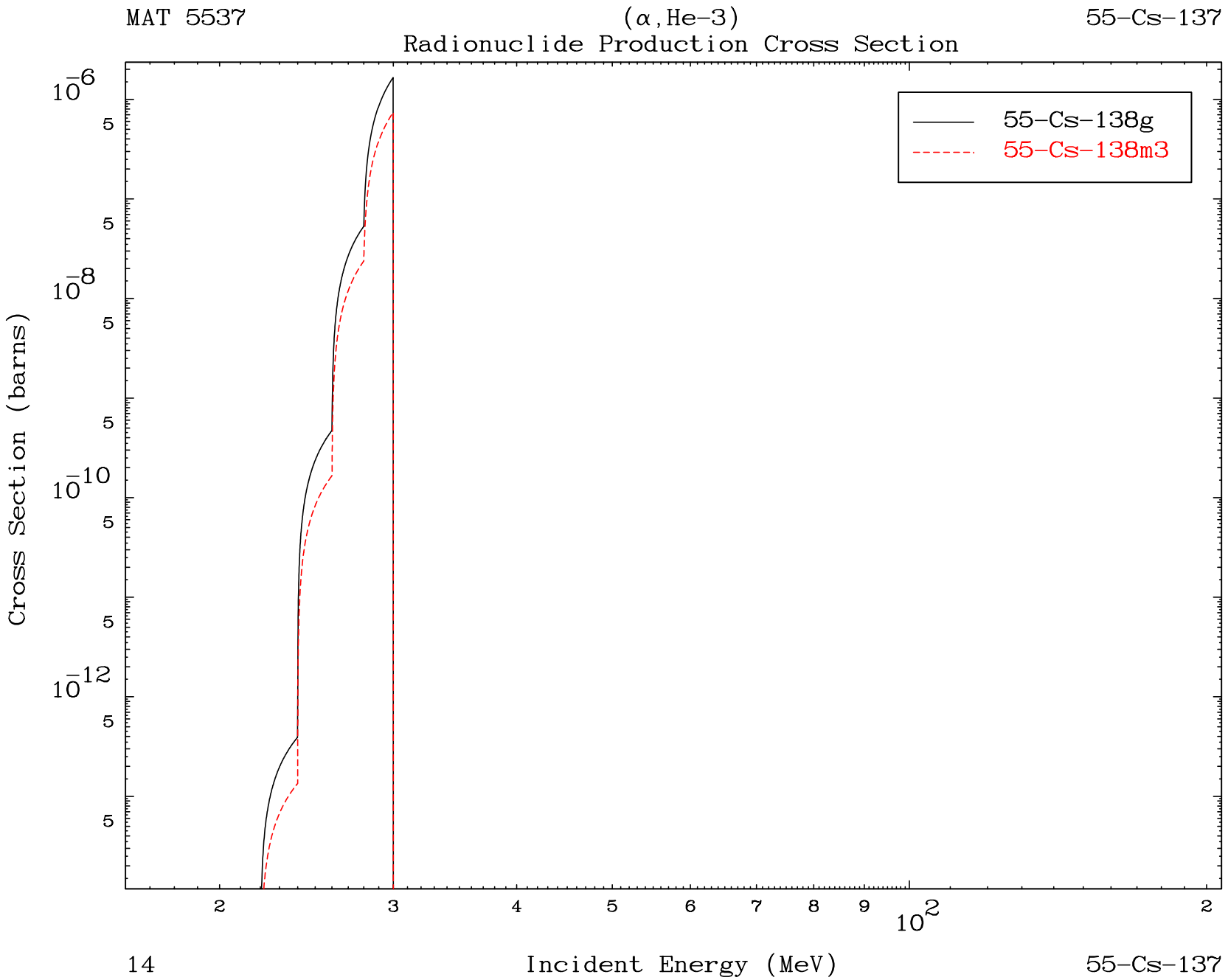

MAT 5537
(α,He3) Levels
55-Cs-137
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
Incident Energy (MeV)
10^2
9
55-Cs-137


MAT 5537
(α,α) Levels
55-Cs-137
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-137


MAT 5537
(α,n') α
55-Cs-137
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m1
Cross Section (barns)
Incident Energy (MeV)
11
55-Cs-137


MAT 5537
(α,2n) α
55-Cs-137
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m10
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
55-Cs-137


MAT 5537
(α,n') t
55-Cs-137
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
Incident Energy (MeV)
13
55-Cs-137


MAT 5537
(α,He-3)
55-Cs-137
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
55-Cs-137