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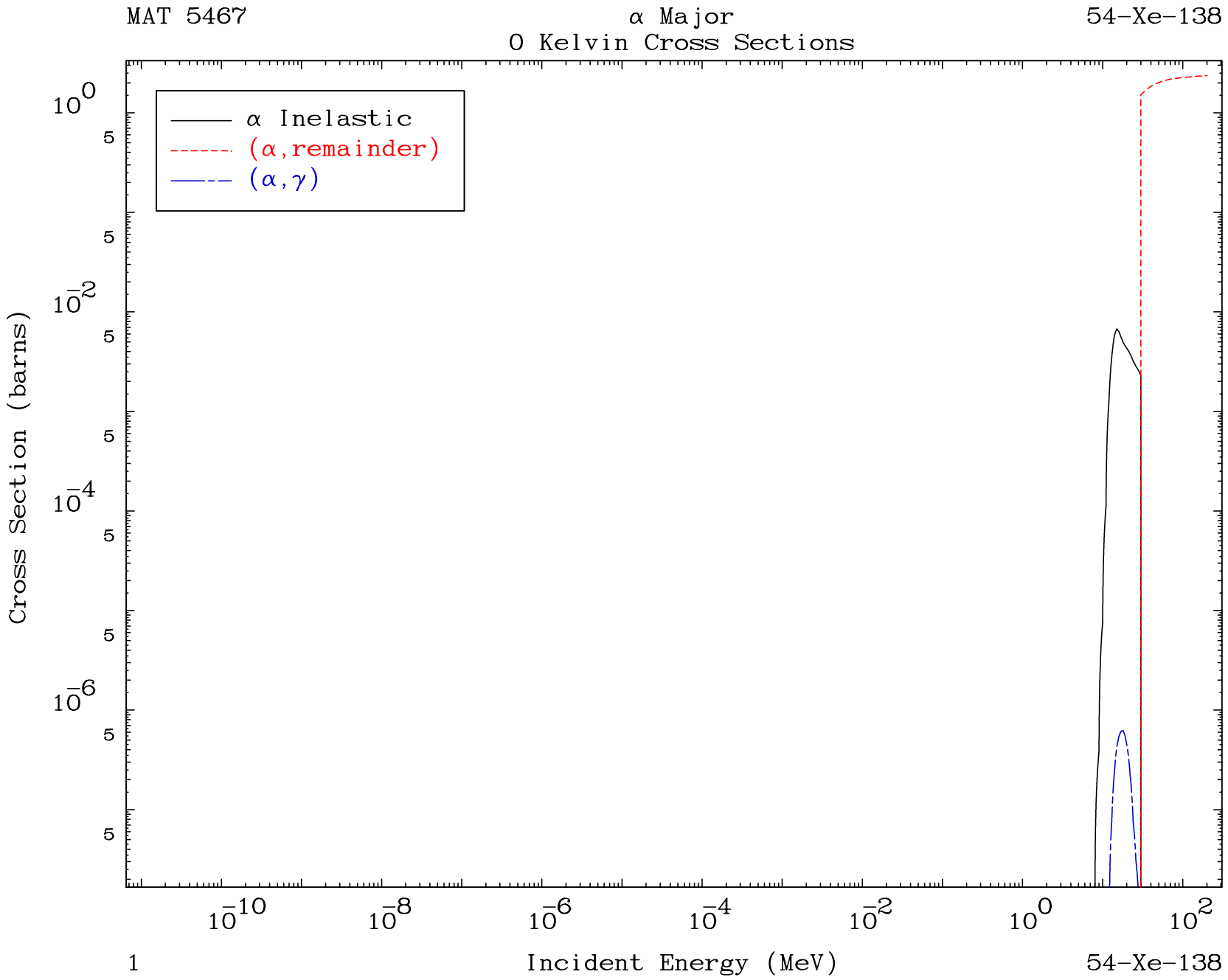
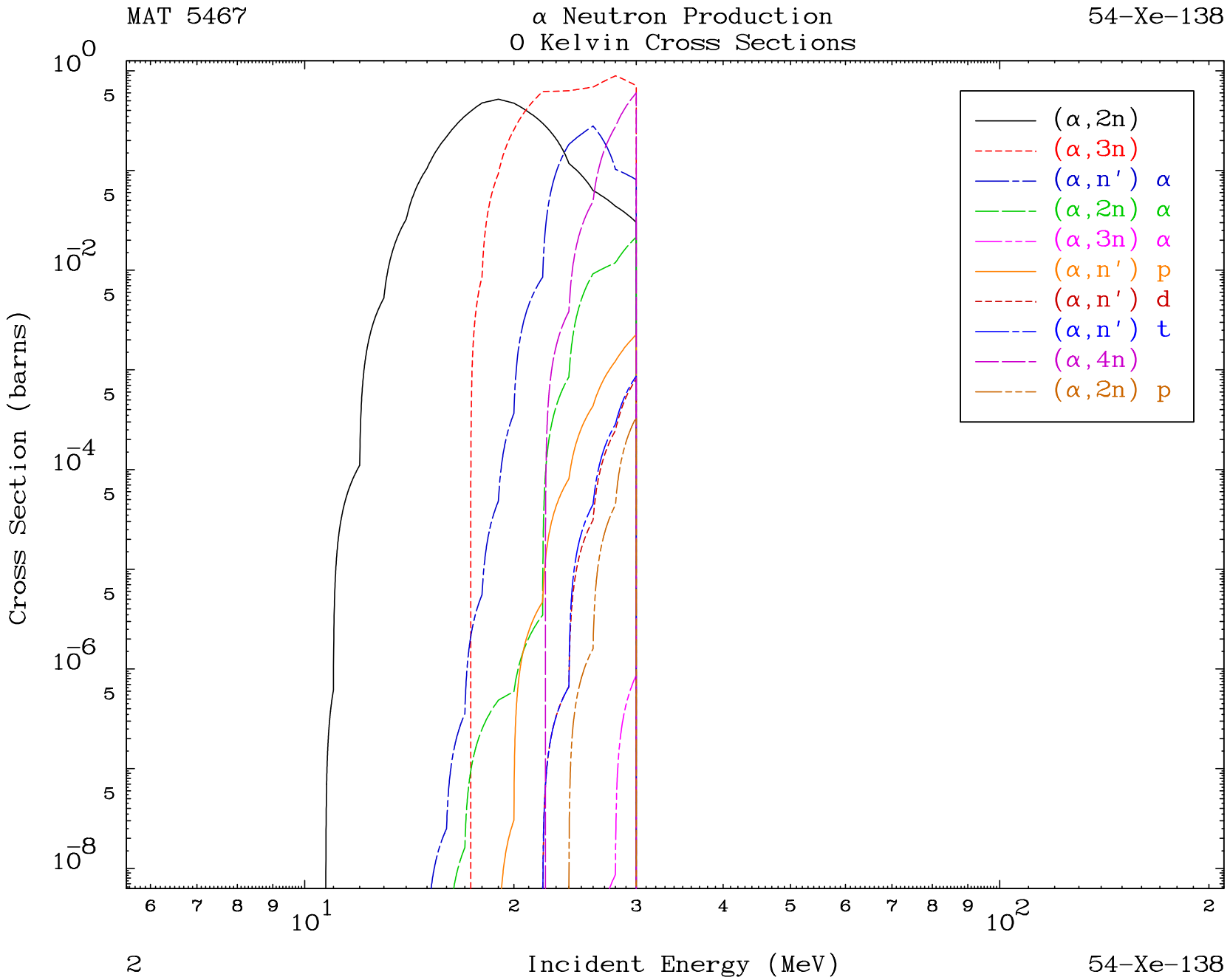
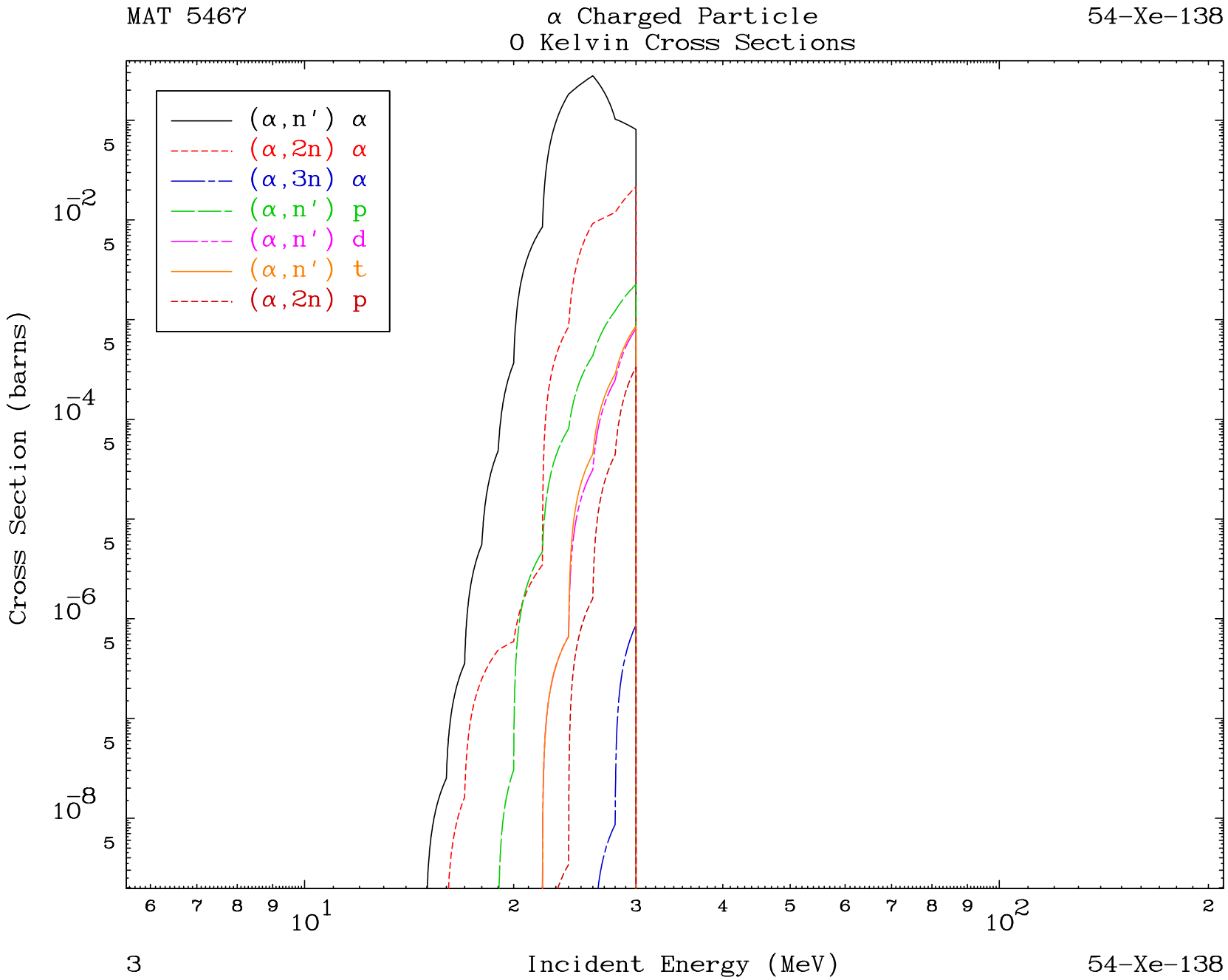
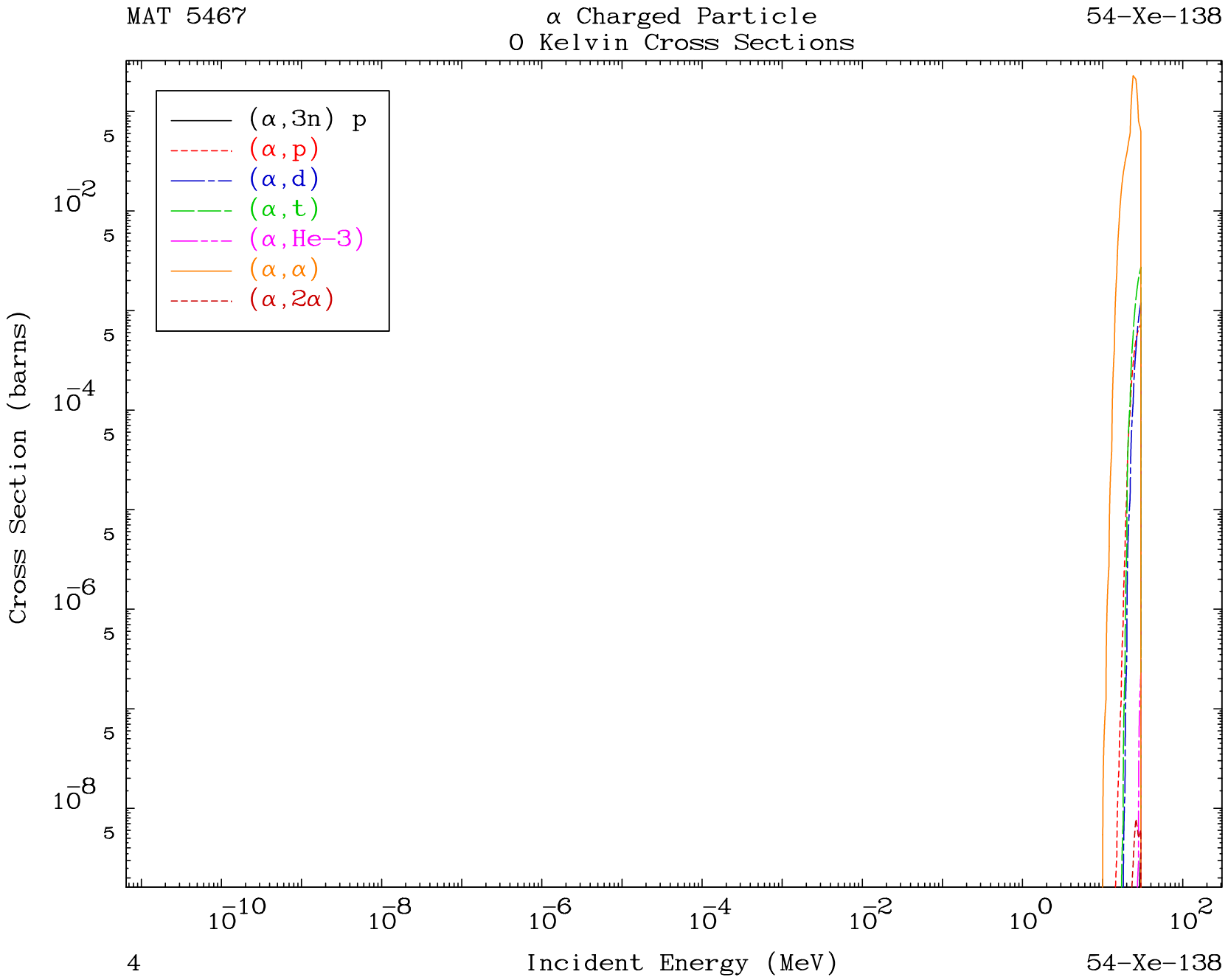
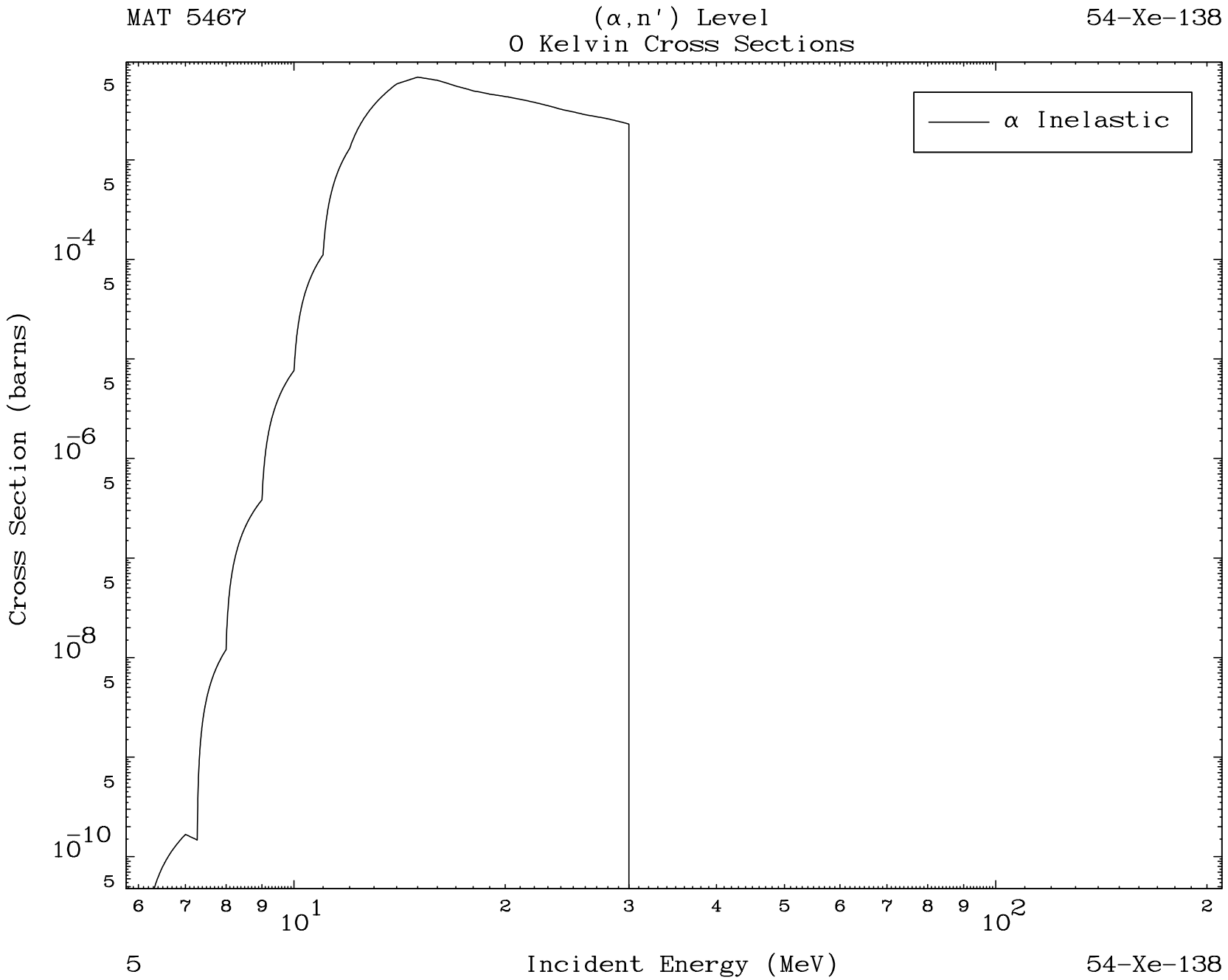
Press Mouse Button to Start

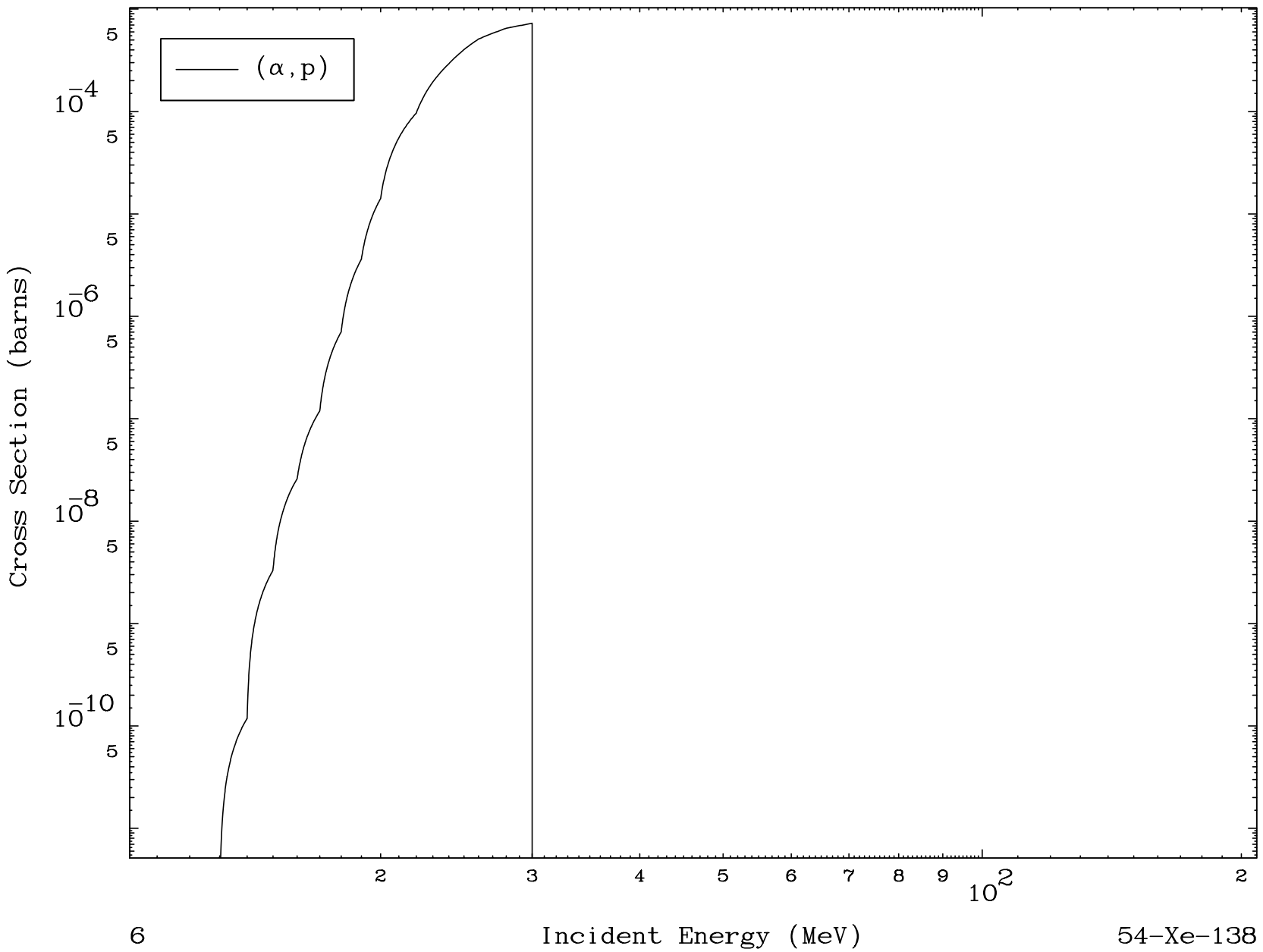

MAT 5467
α Major
54-Xe-138
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
54-Xe-138

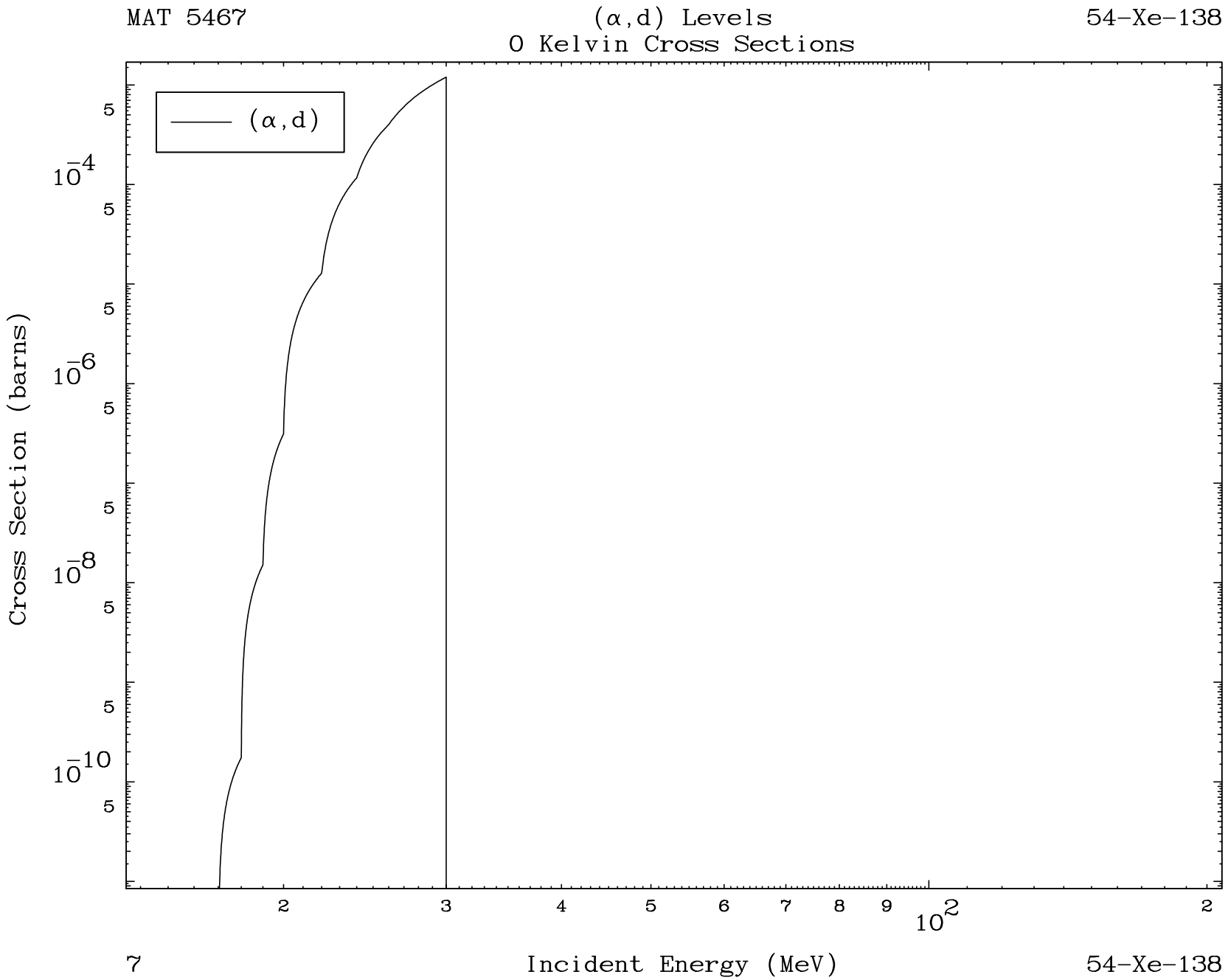

MAT 5467
α Neutron Production
0 Kelvin Cross Sections
54-Xe-138
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p

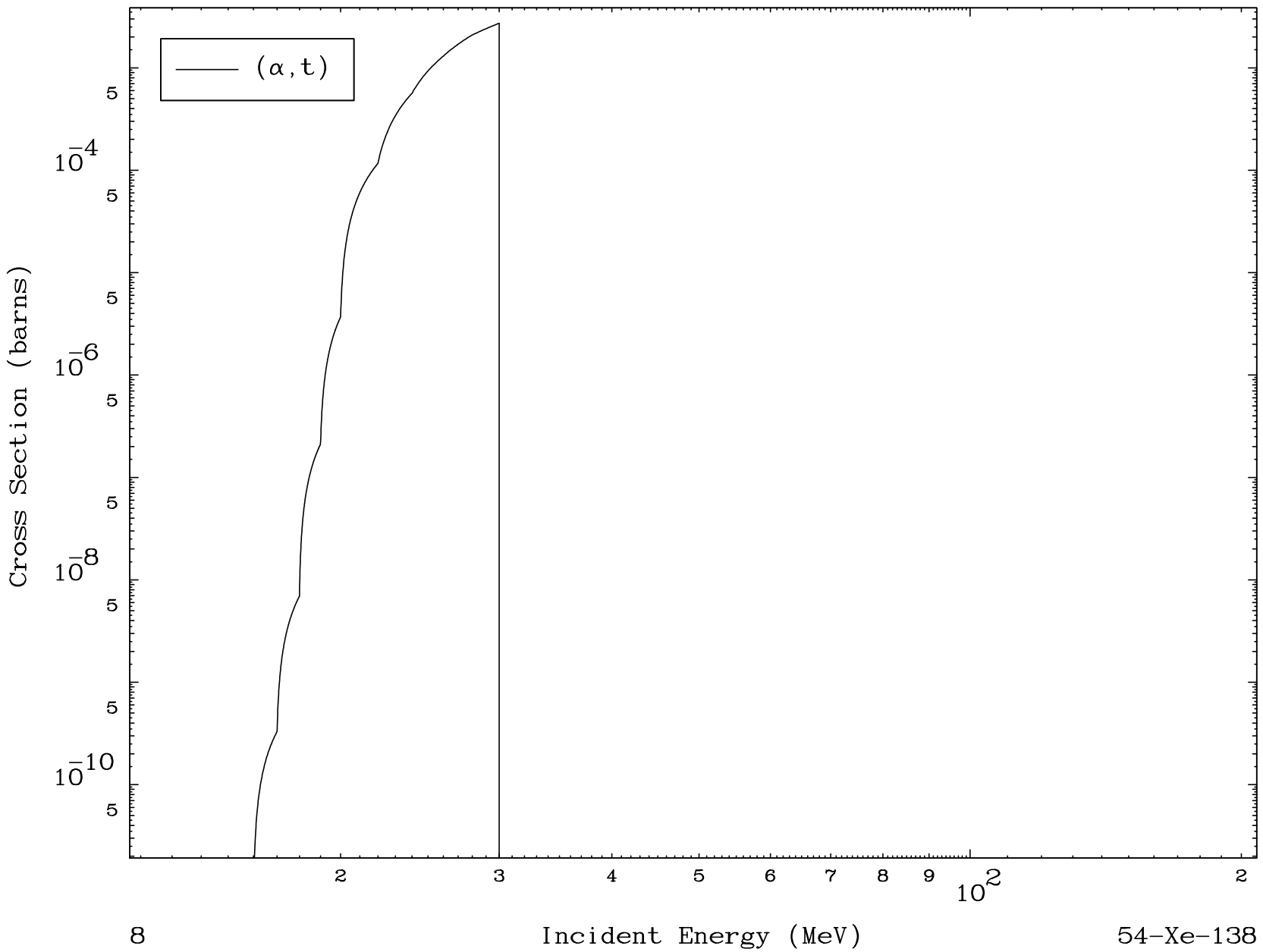

MAT 5467
α Charged Particle
0 Kelvin Cross Sections
54-Xe-138
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
3
54-Xe-138


MAT 5467
α Charged Particle
0 Kelvin Cross Sections
54-Xe-138
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
Cross Section (barns)
Incident Energy (MeV)
4
54-Xe-138

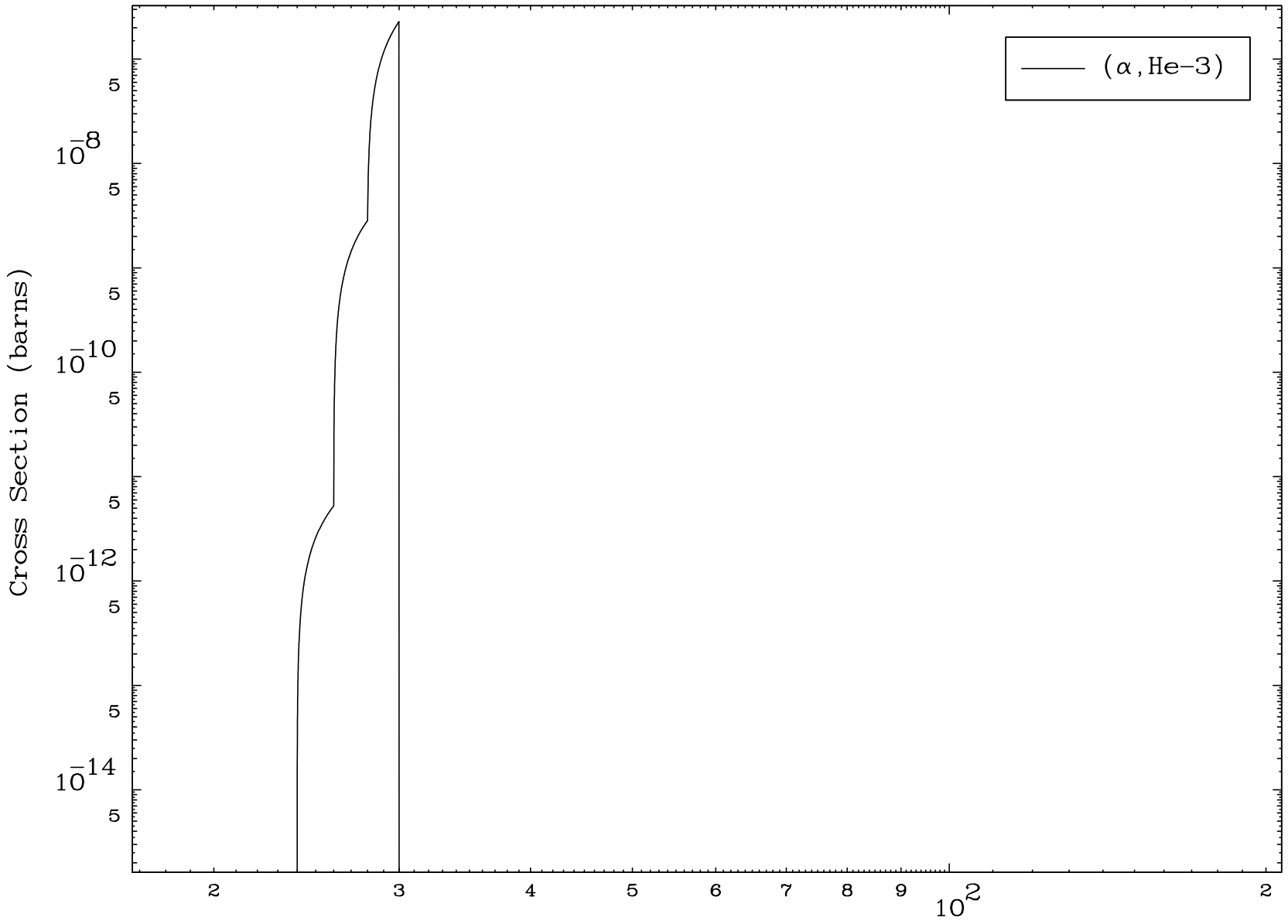

MAT 5467
(α,n') Level
54-Xe-138
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
54-Xe-138

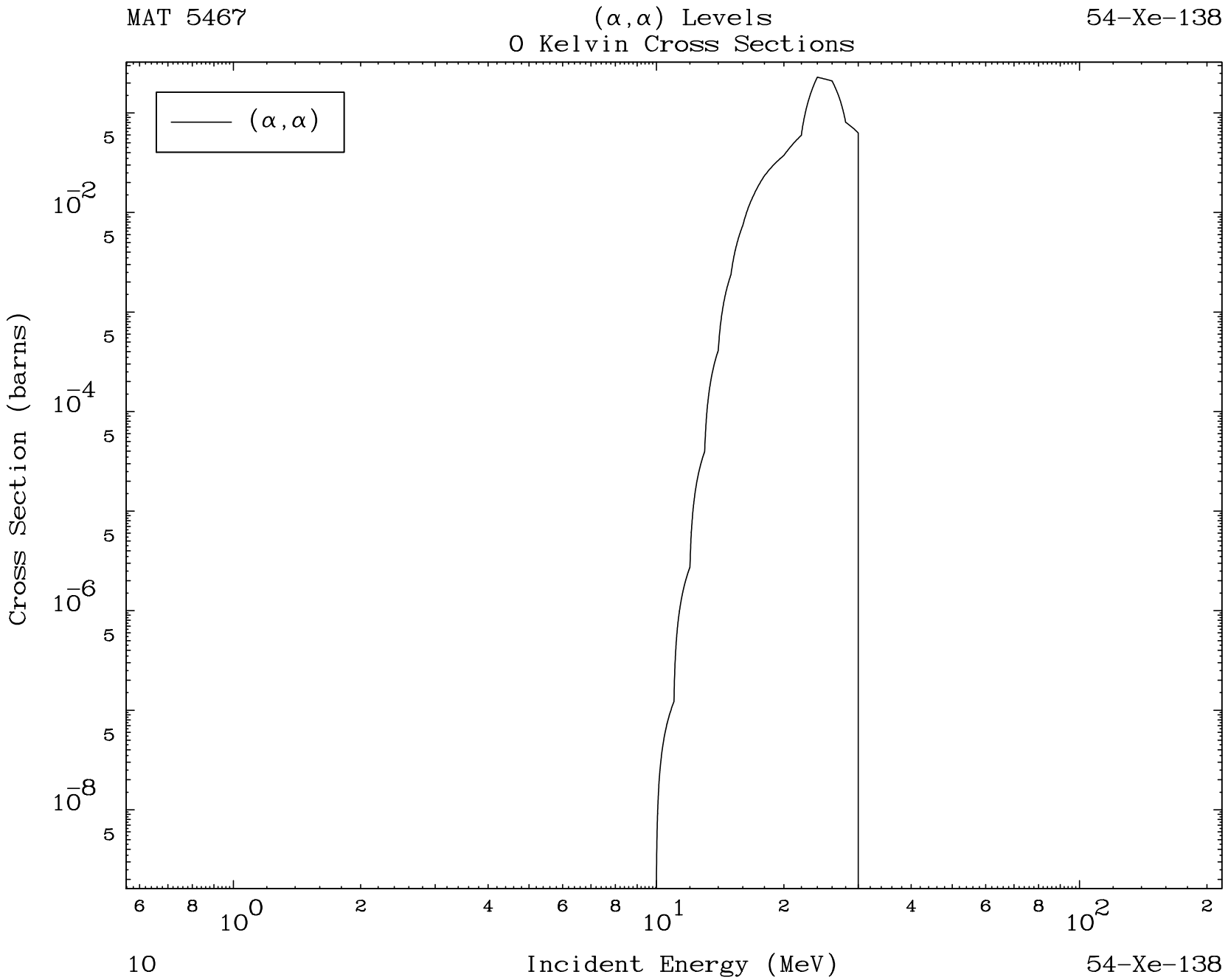

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

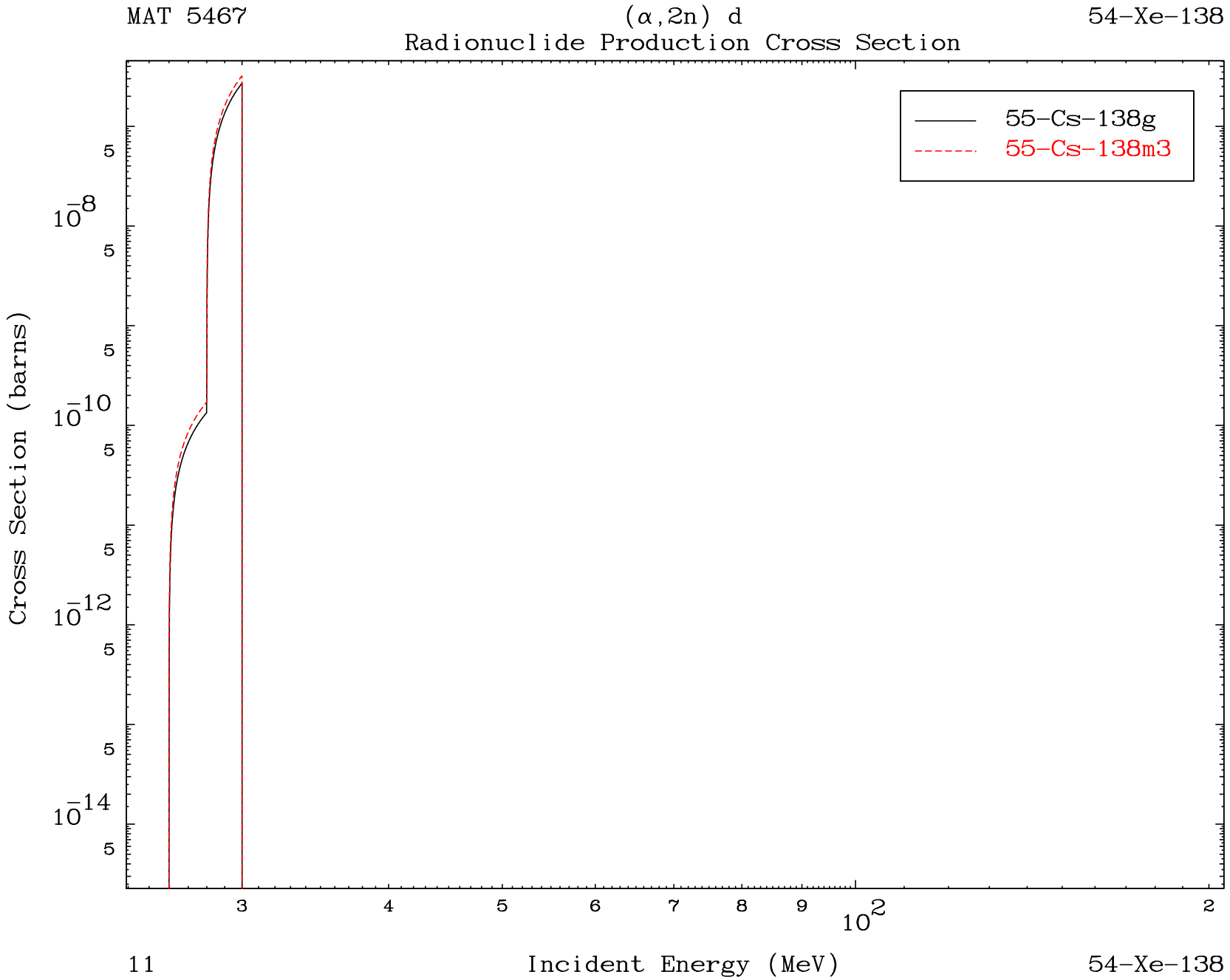

MAT 5467
(α,d) Levels
54-Xe-138
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
54-Xe-138

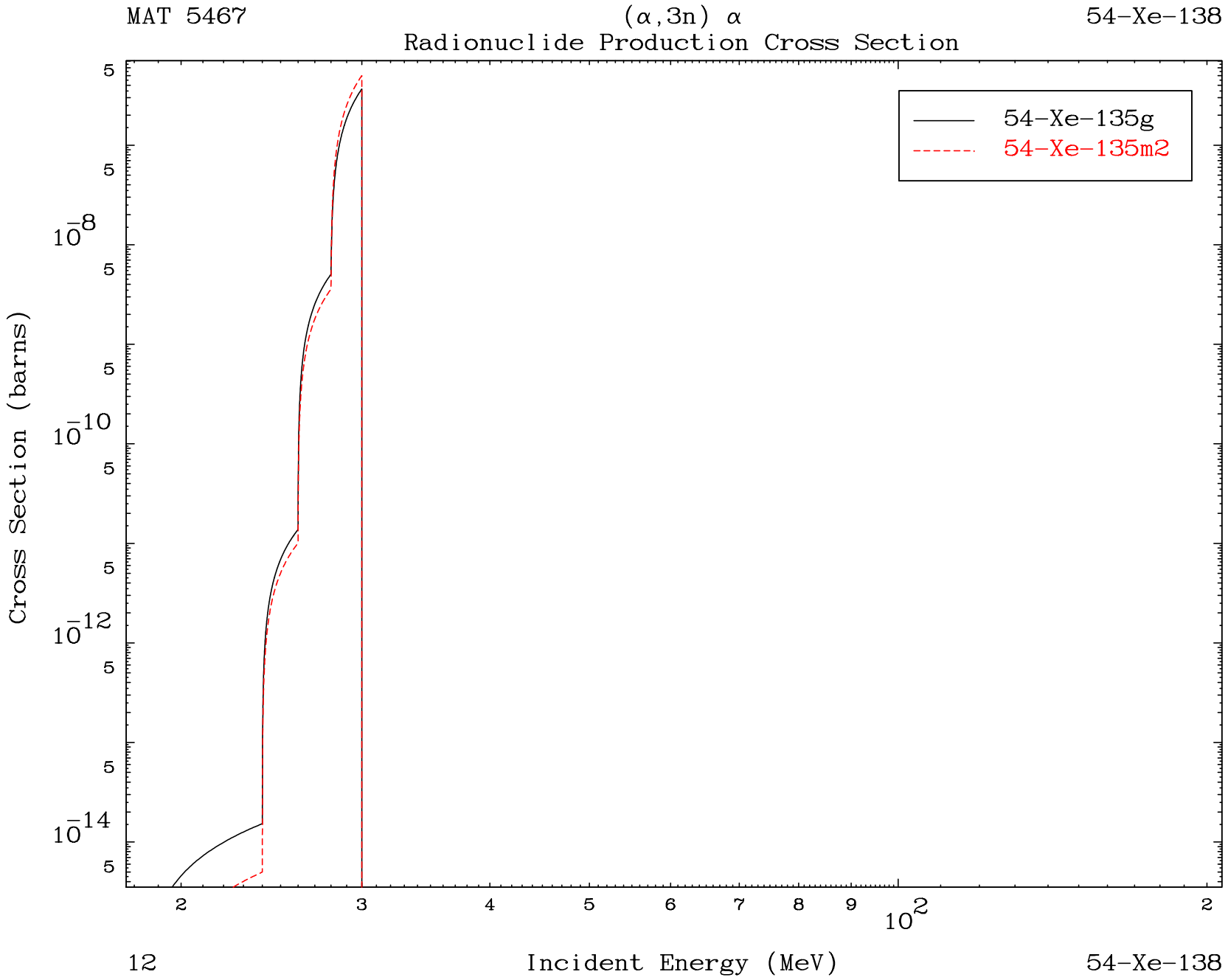

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

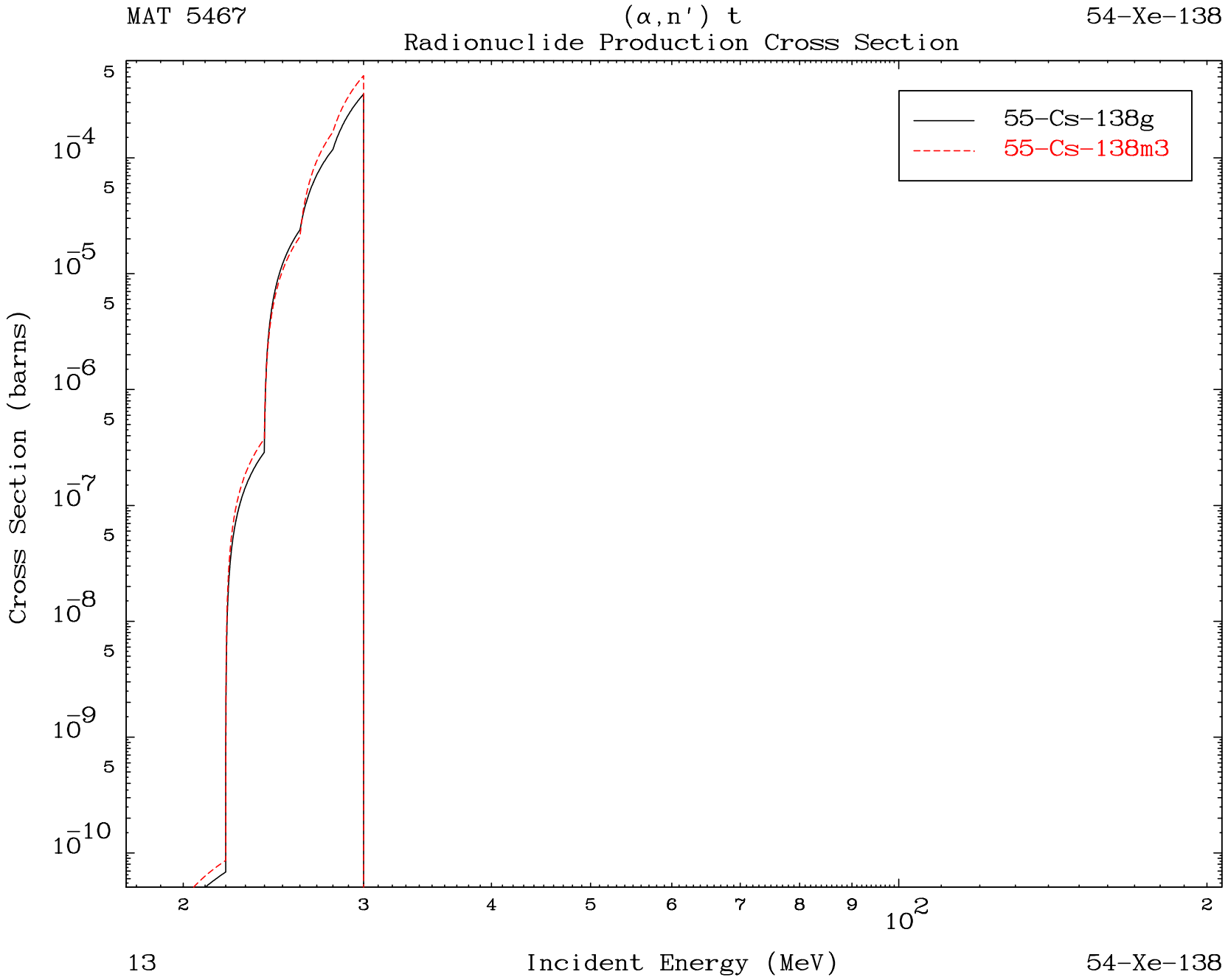
0 Kelvin Cross Sections

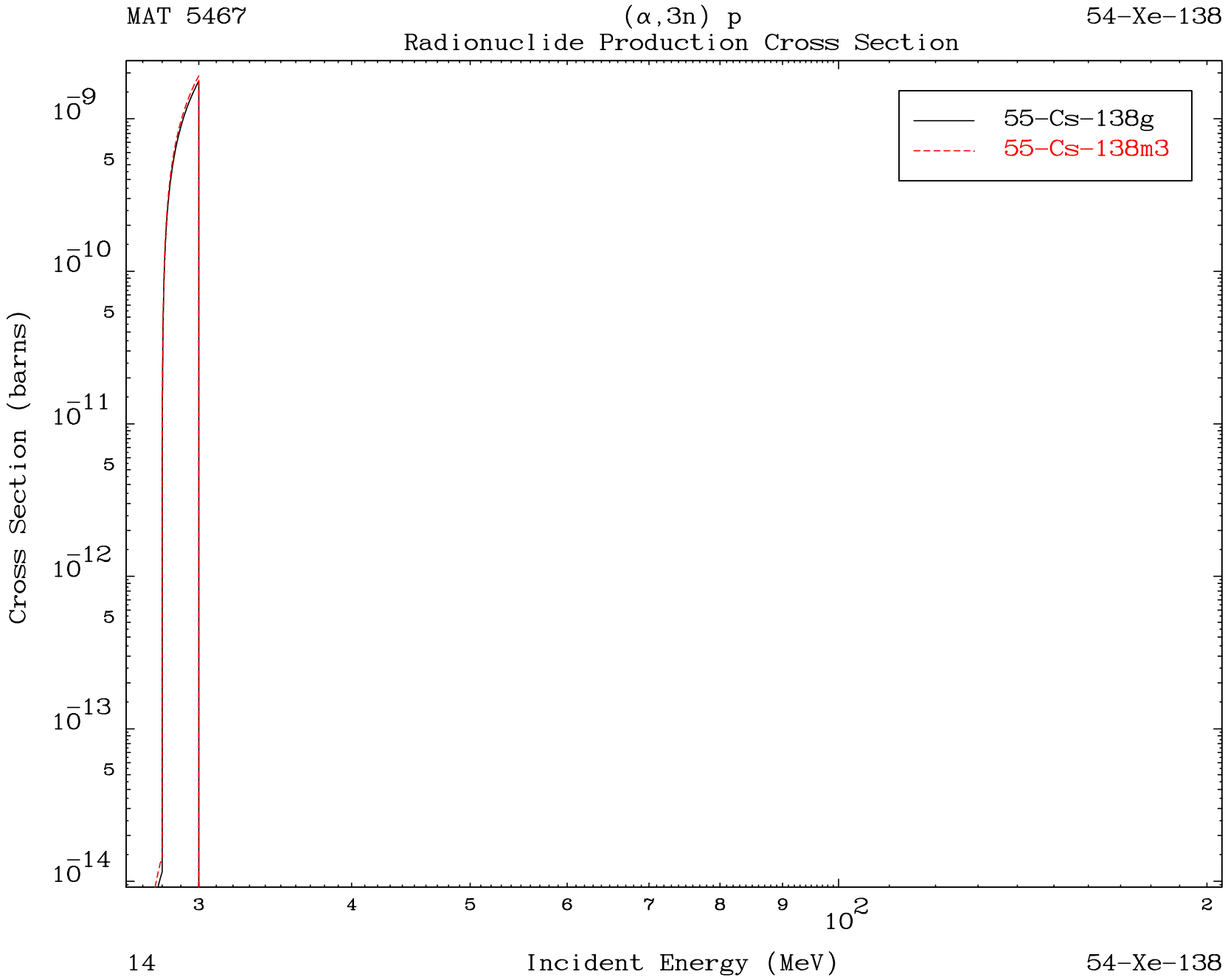



MAT 5467
(α,α) Levels
54-Xe-138
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
54-Xe-138


MAT 5467
(α,2n) d
54-Xe-138
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
54-Xe-138


MAT 5467
(α,3n) α
54-Xe-138
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
Incident Energy (MeV)
12
54-Xe-138


MAT 5467
(α,n') t
54-Xe-138
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
Incident Energy (MeV)
13
54-Xe-138


MAT 5467
(α,3n) p
54-Xe-138
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
54-Xe-138