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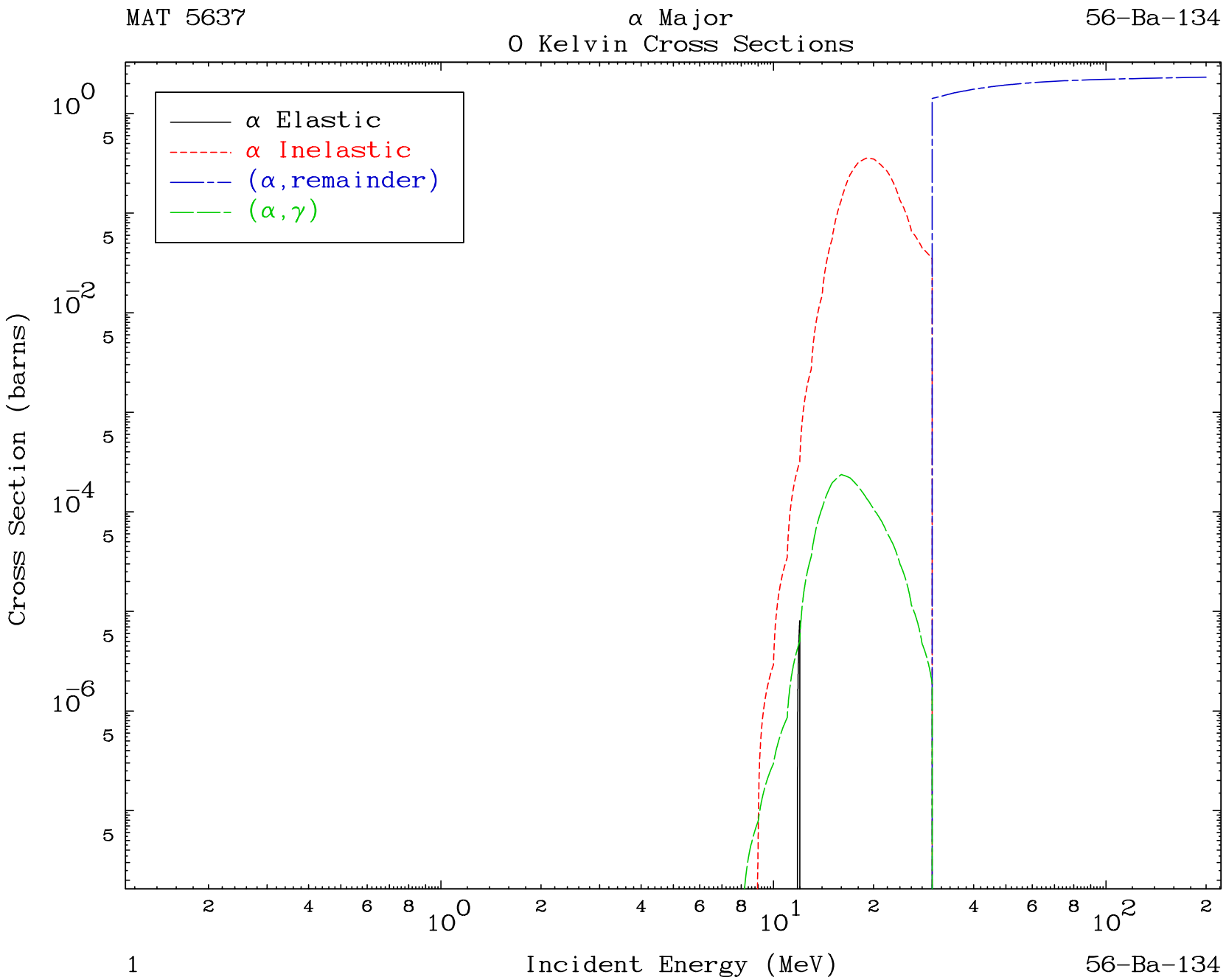
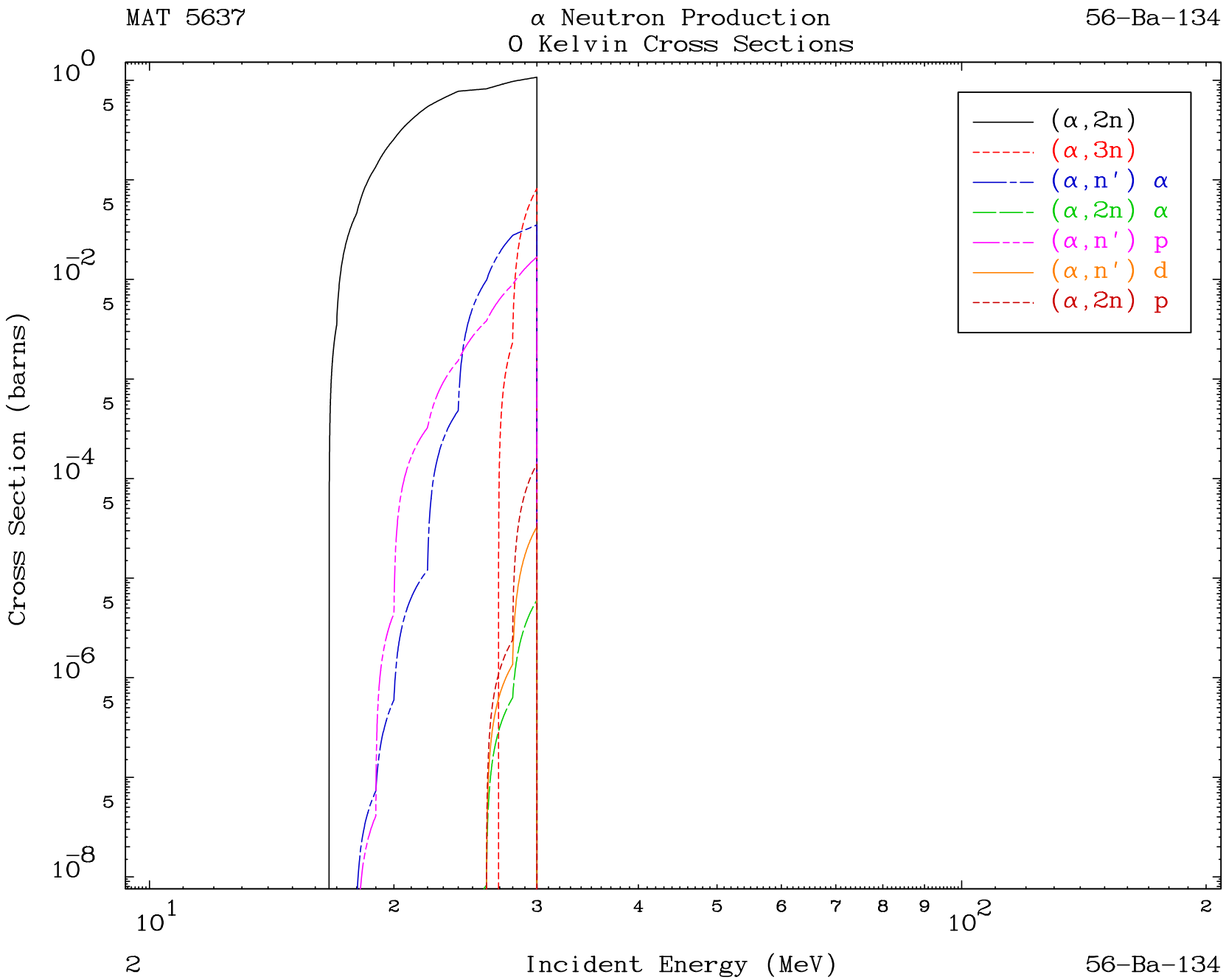
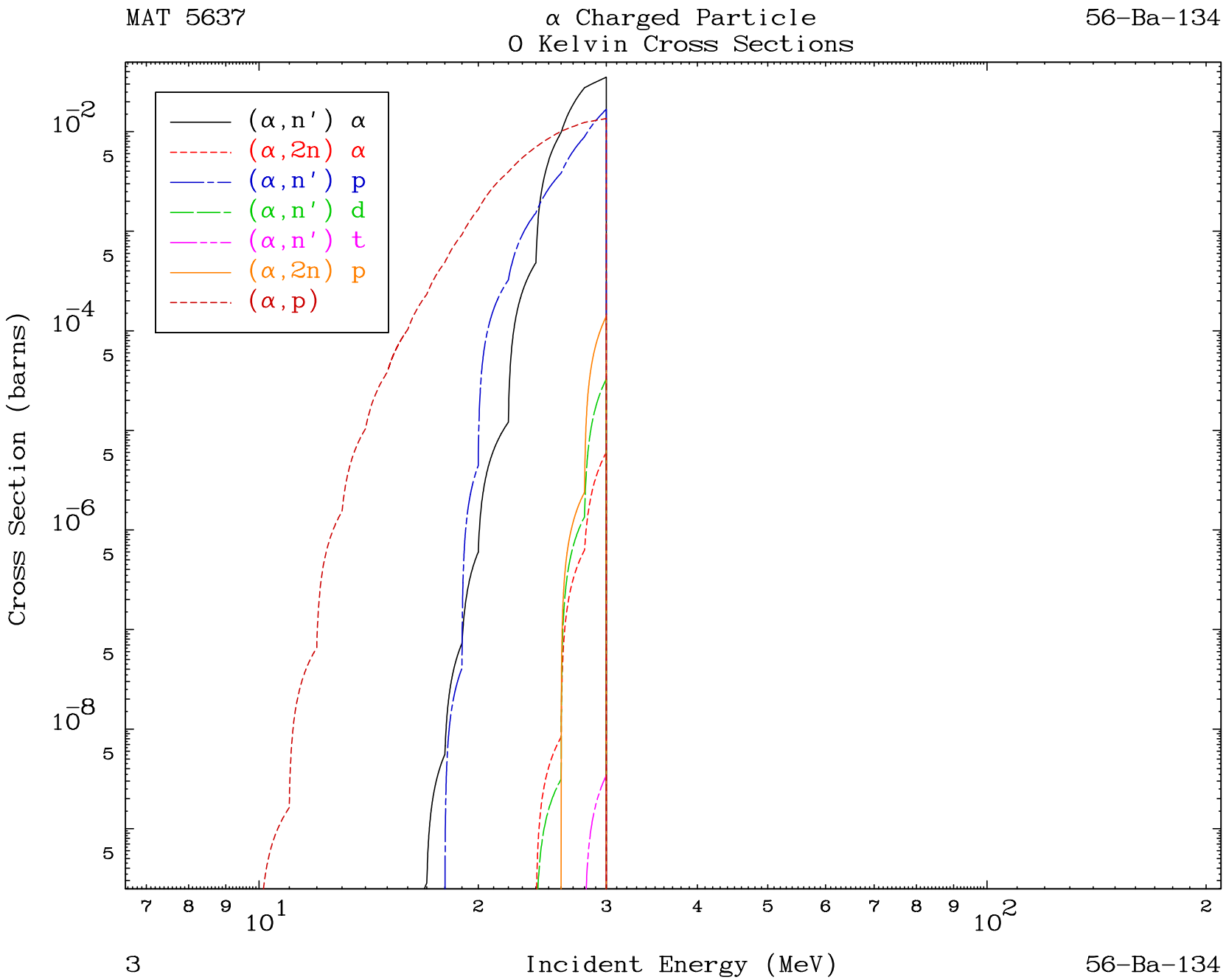
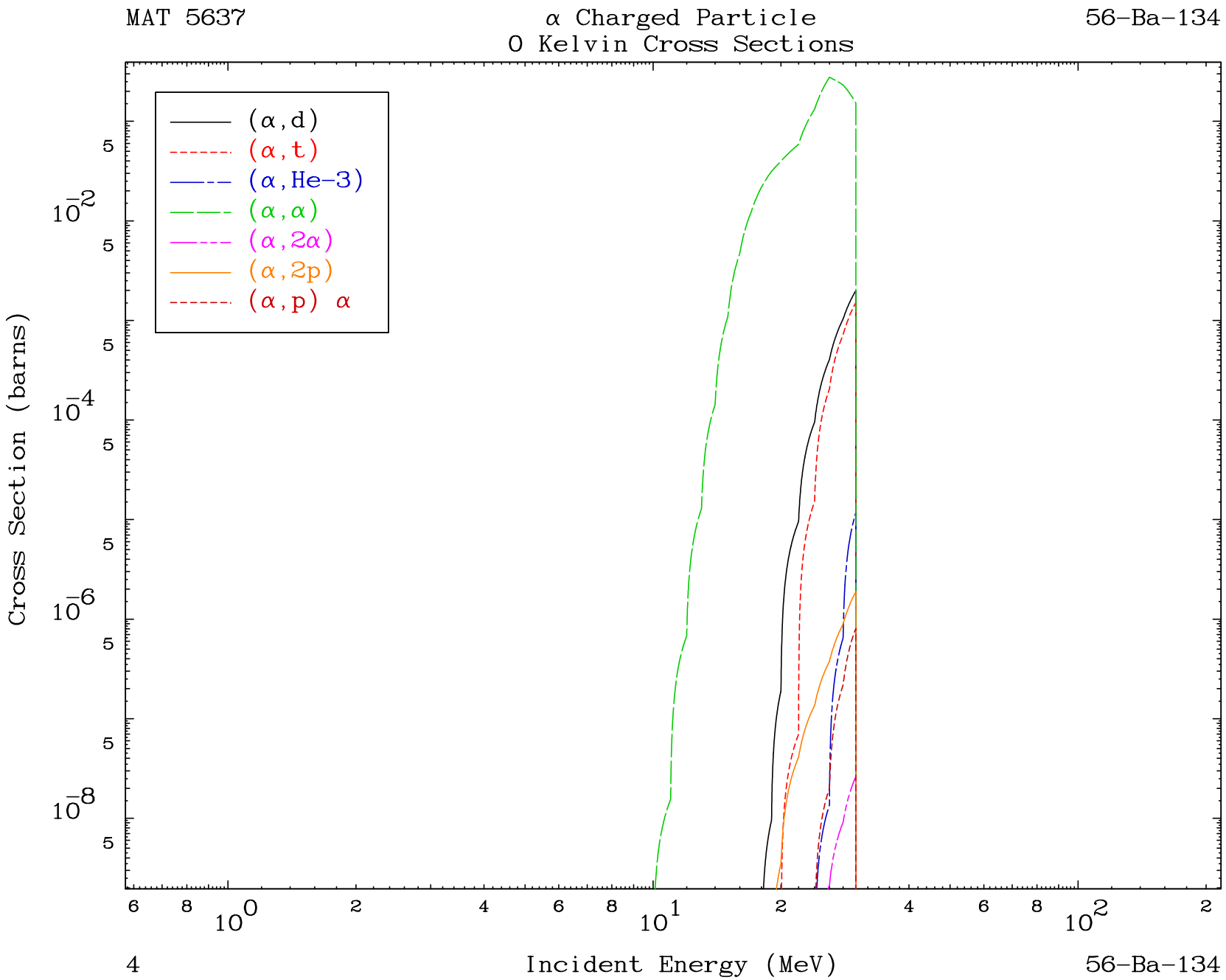
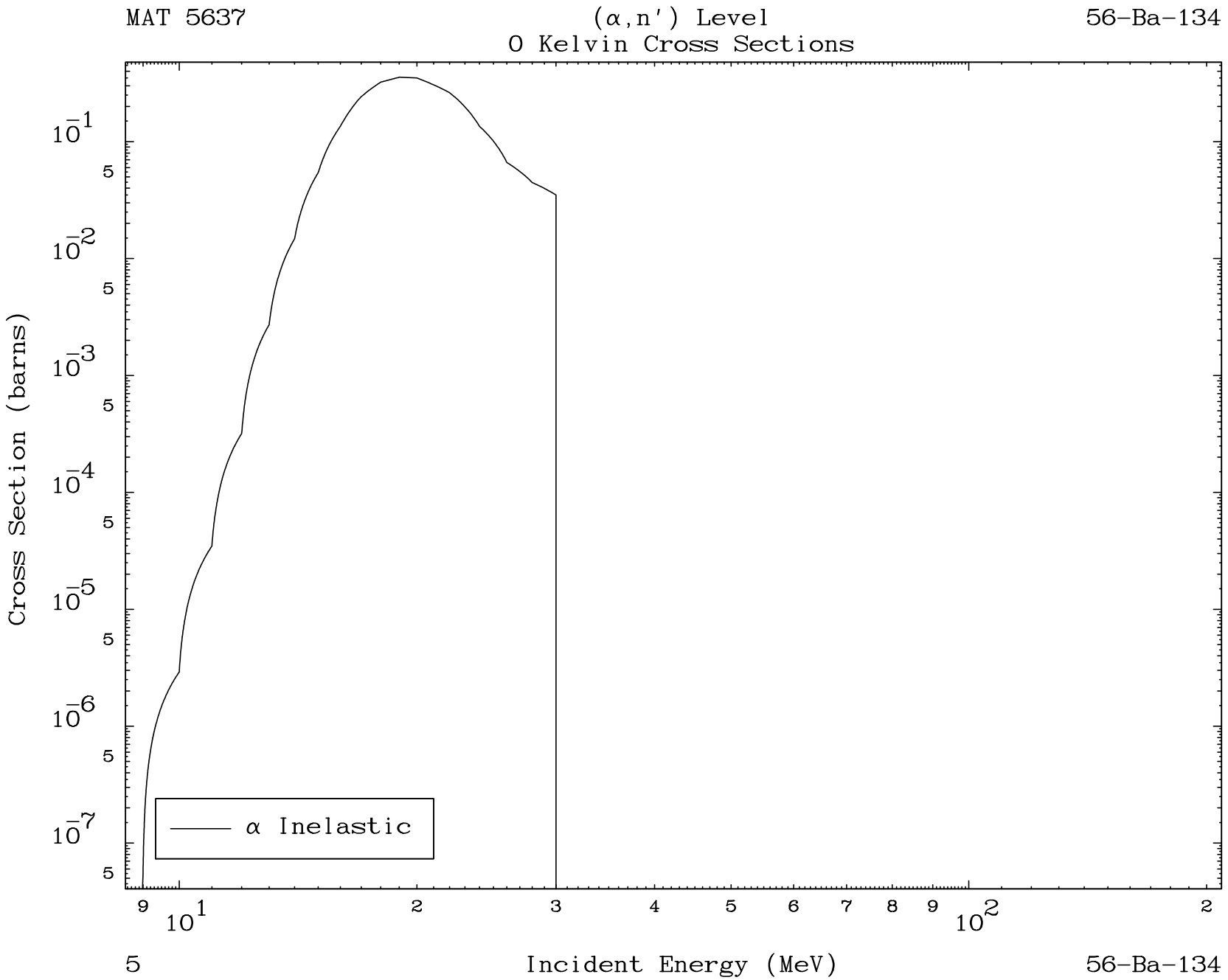
Press Mouse Button to Start

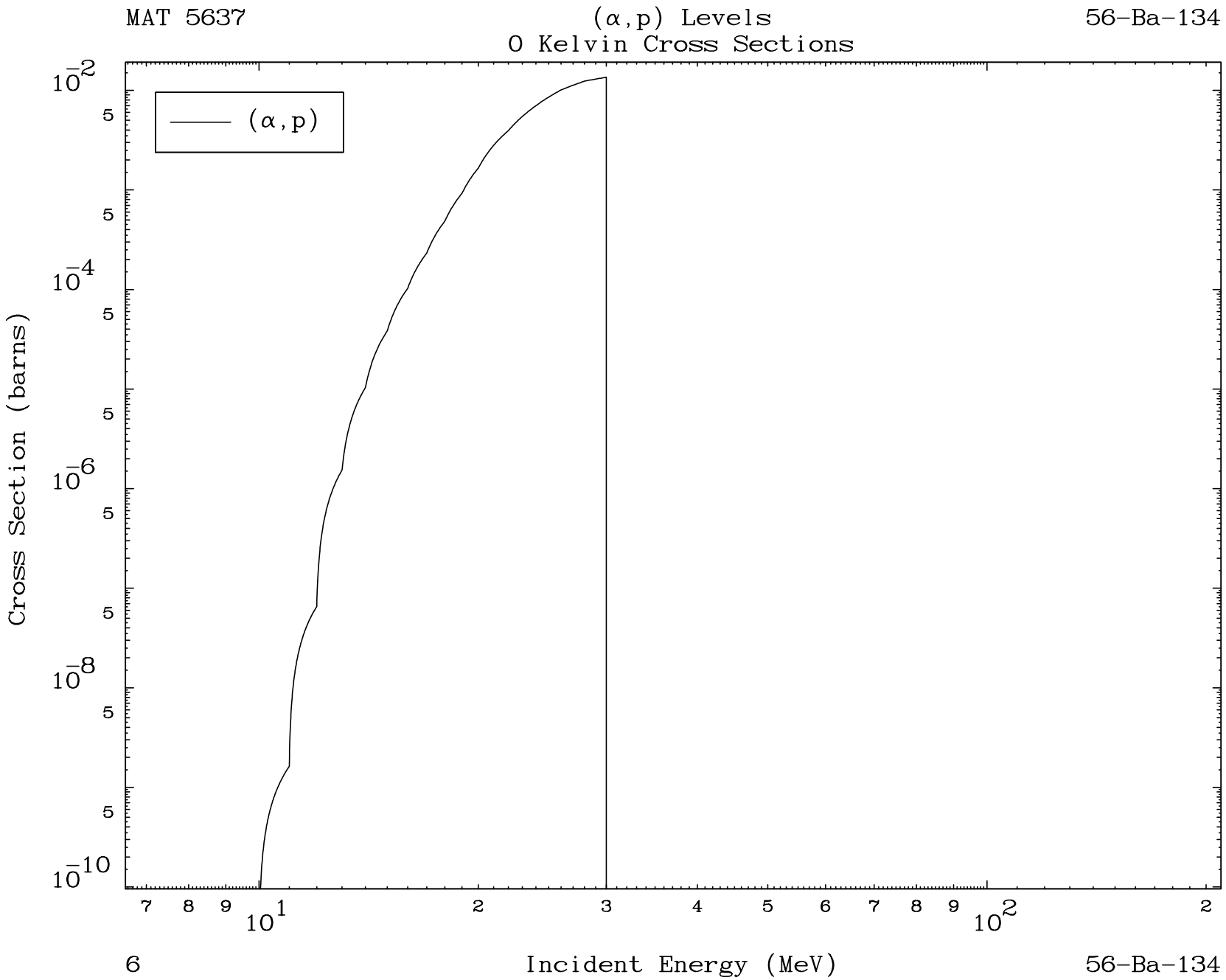

MAT 5637
α Major
56-Ba-134
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-134
1

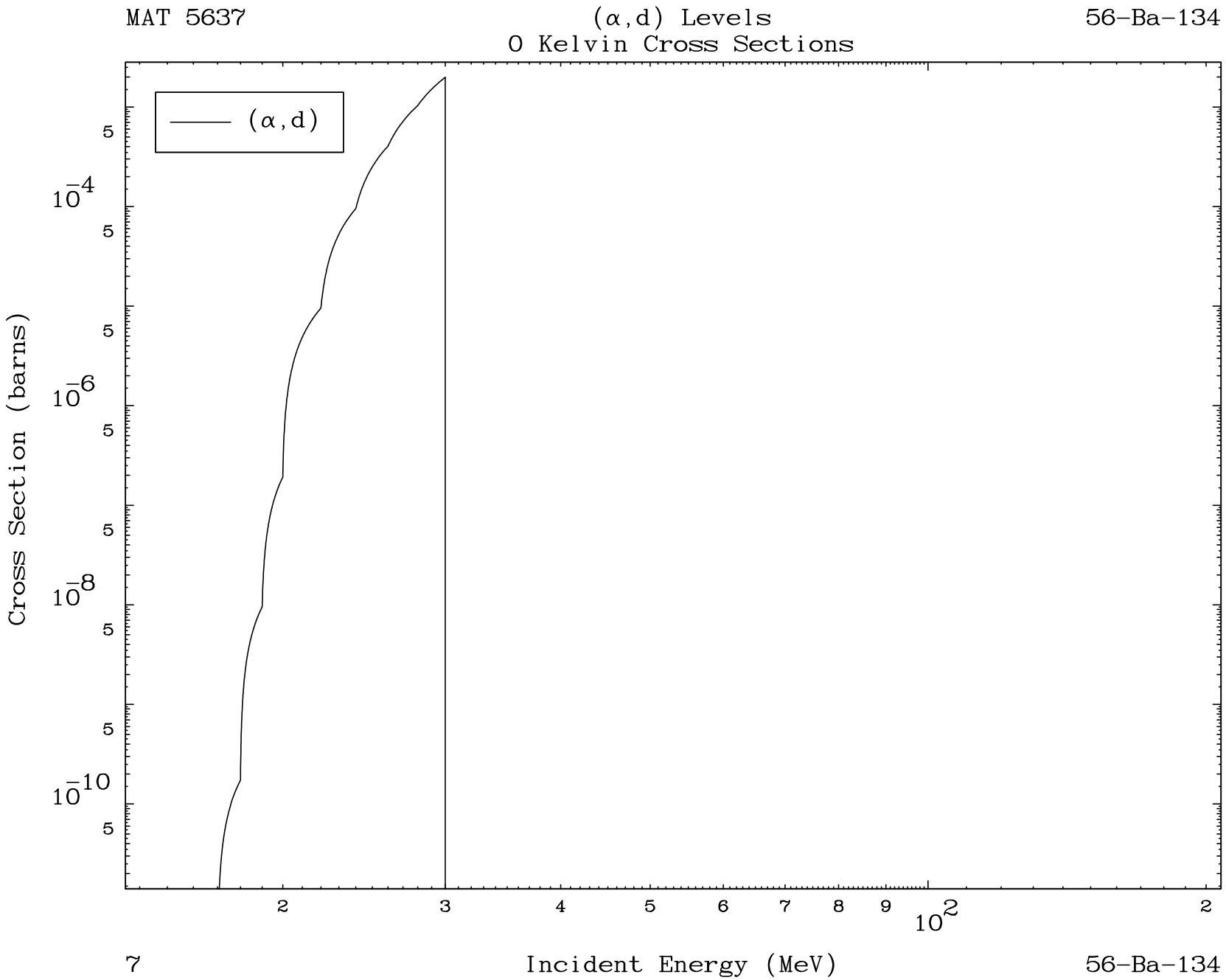

MAT 5637
α Neutron Production
0 Kelvin Cross Sections
56-Ba-134
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p

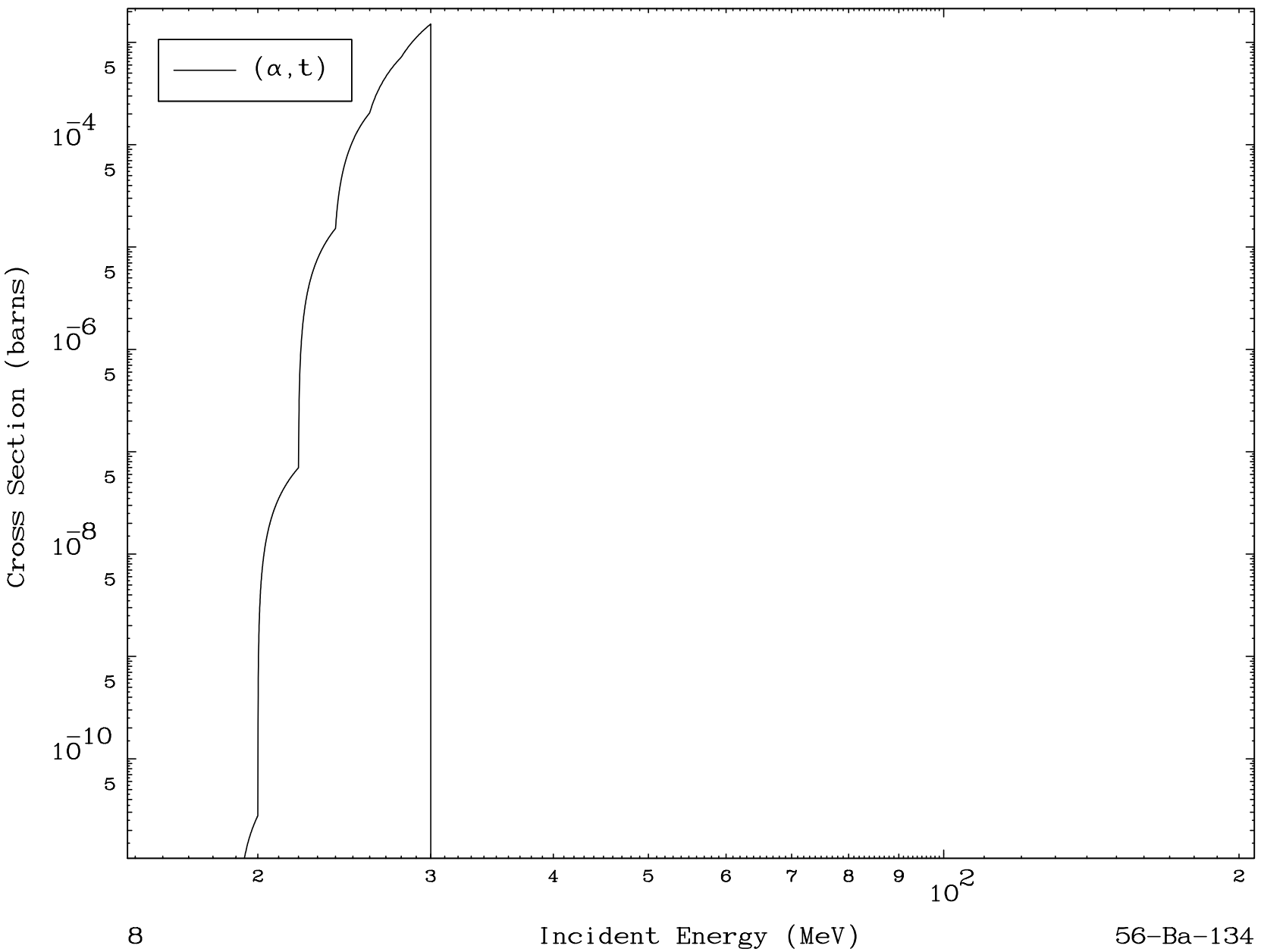

MAT 5637
α Charged Particle
0 Kelvin Cross Sections
56-Ba-134
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
56-Ba-134


MAT 5637
α Charged Particle
0 Kelvin Cross Sections
56-Ba-134
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
4
56-Ba-134

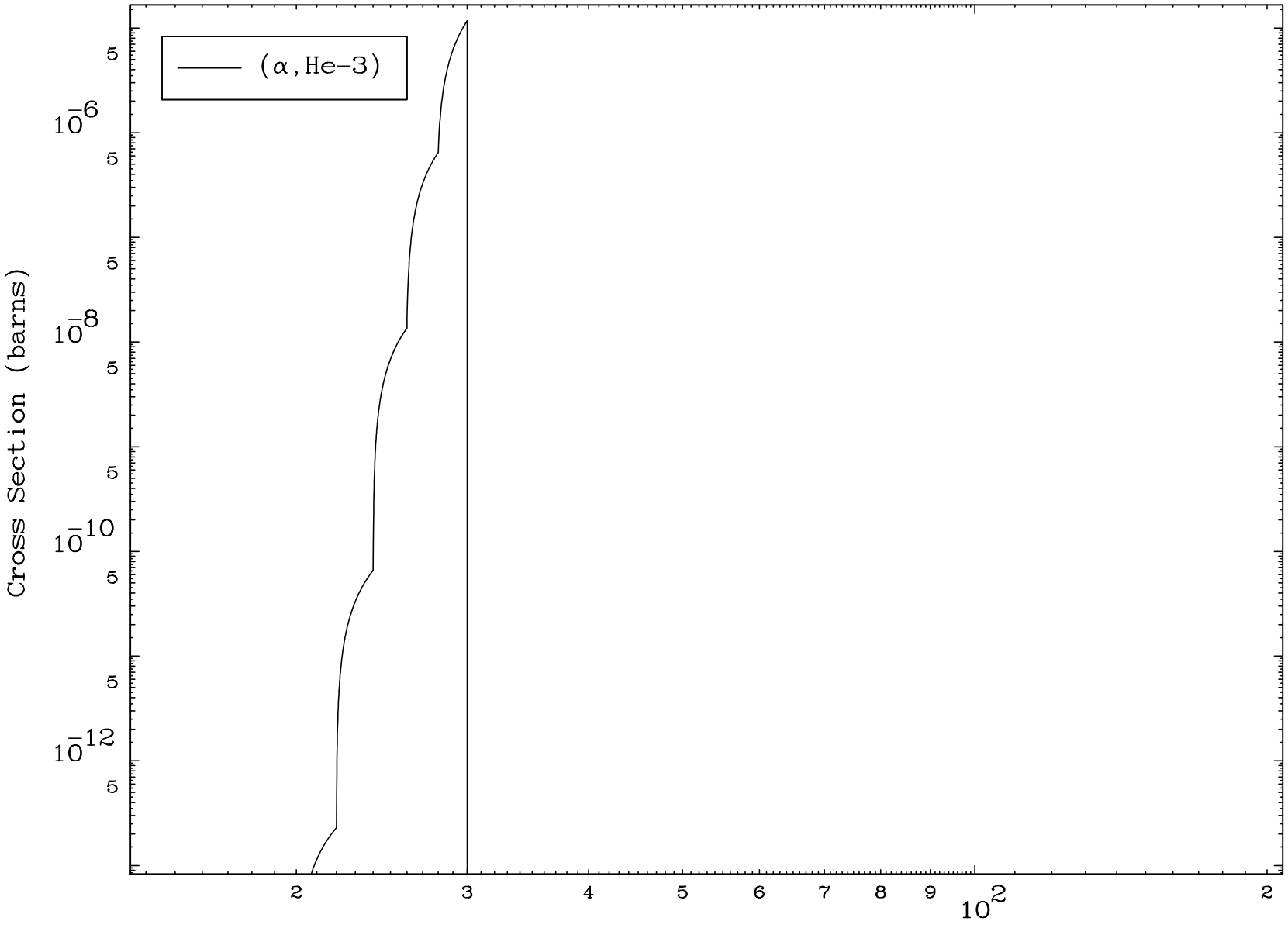

MAT 5637
(α,n') Level
56-Ba-134
0 Kelvin Cross Sections
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
10-7
α Inelastic
9
10 1
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
56-Ba-134

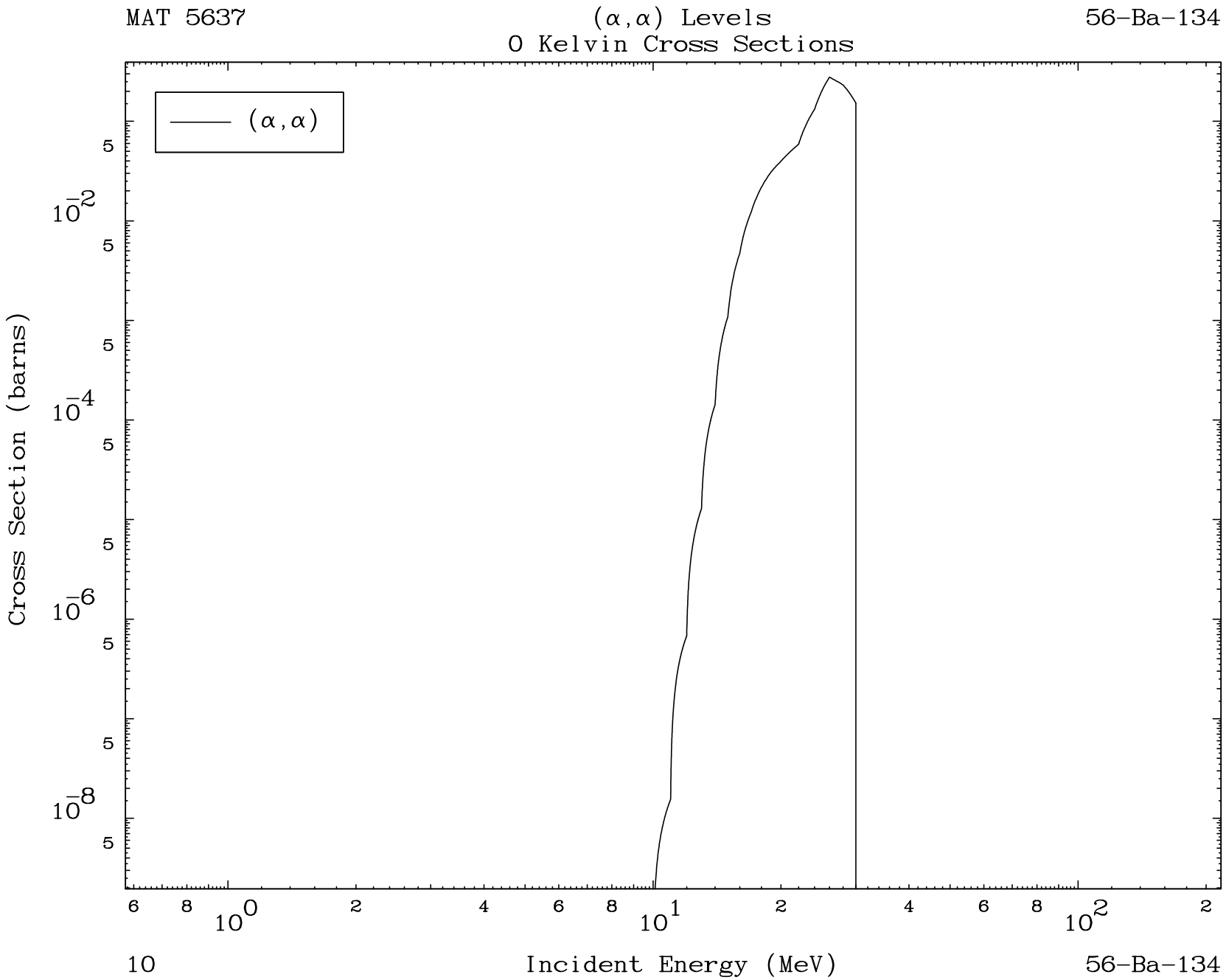

MAT 5637
(α,p) Levels
56-Ba-134
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
56-Ba-134

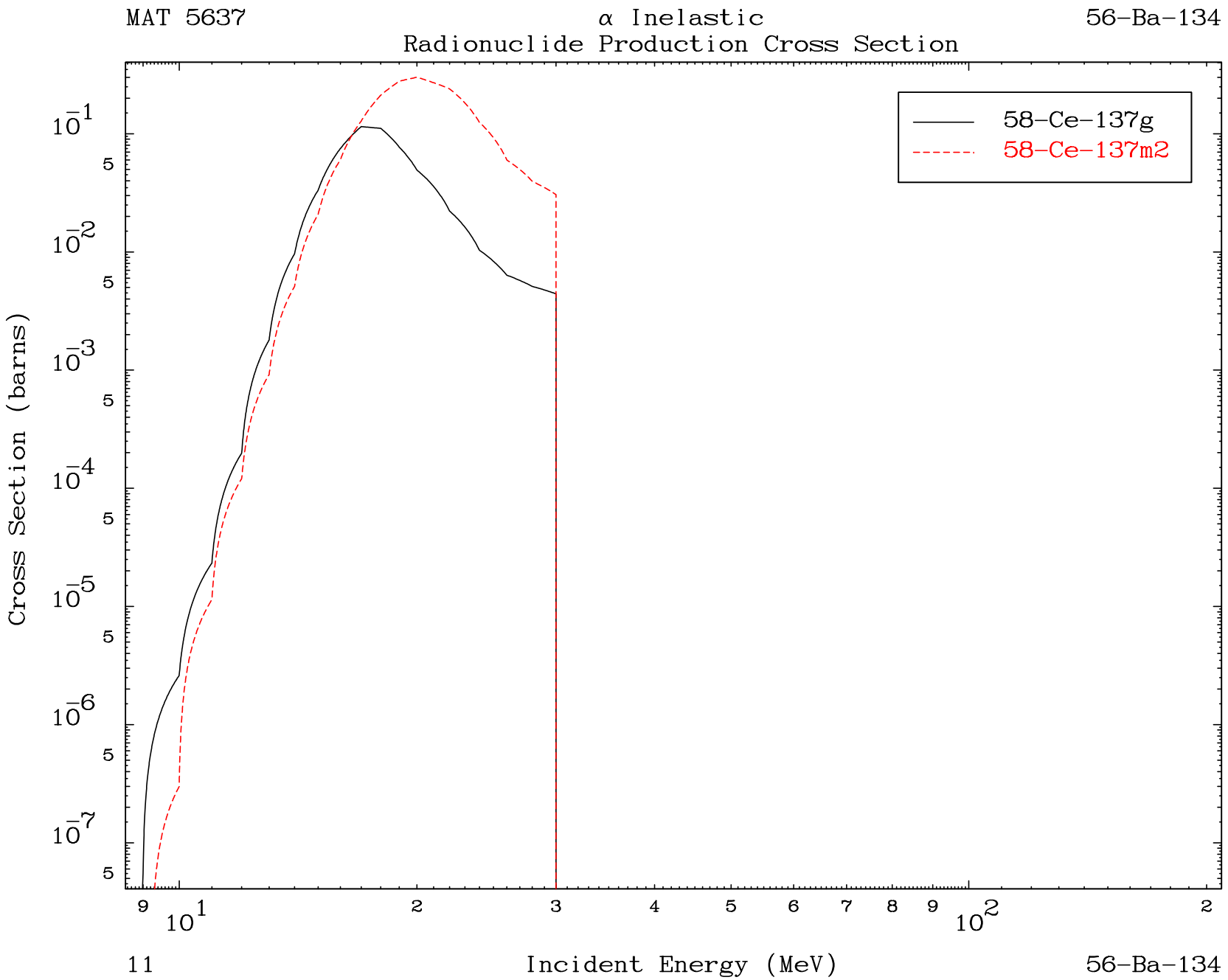

MAT 5637
(α,d) Levels
56-Ba-134
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
56-Ba-134

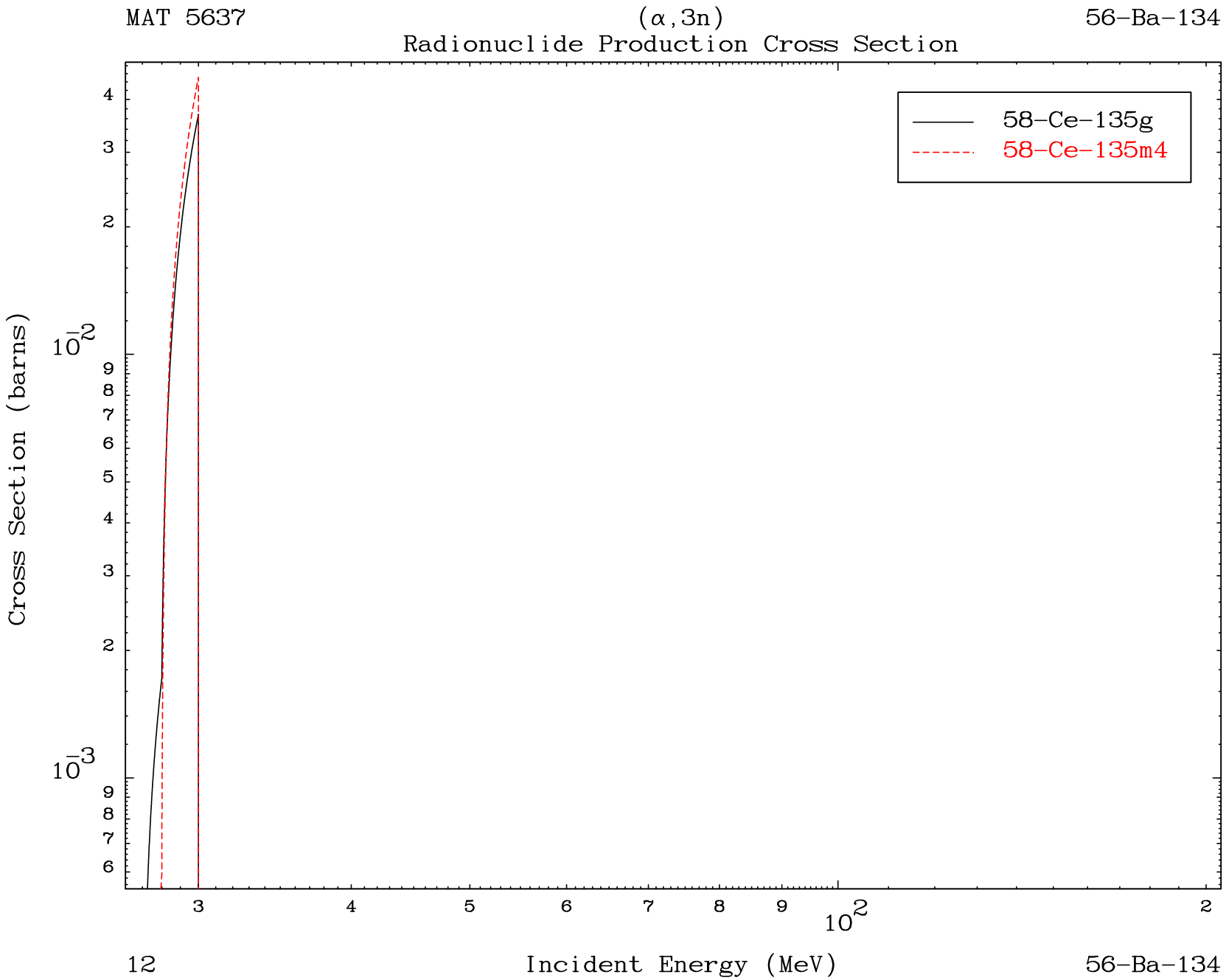

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

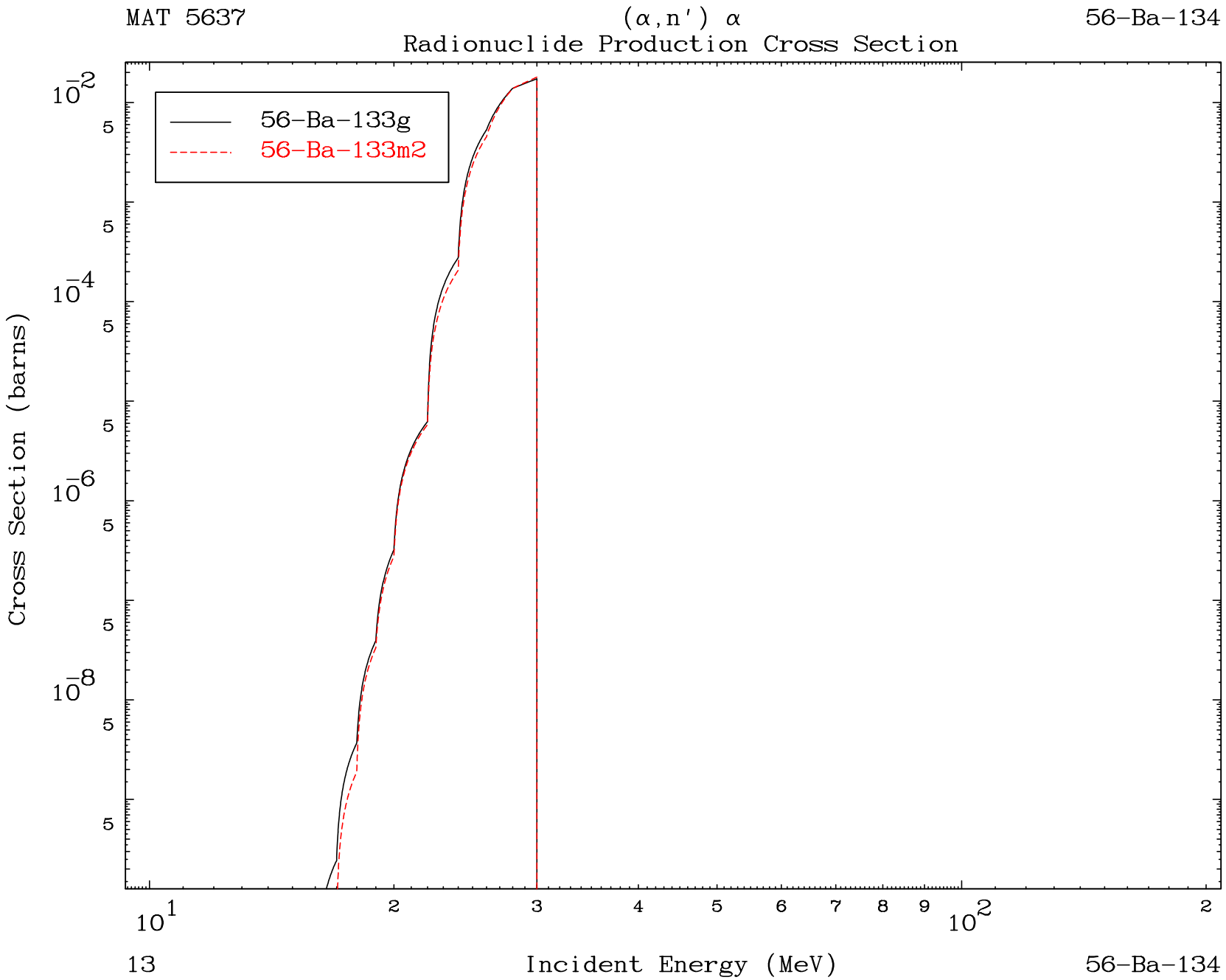
0 Kelvin Cross Sections

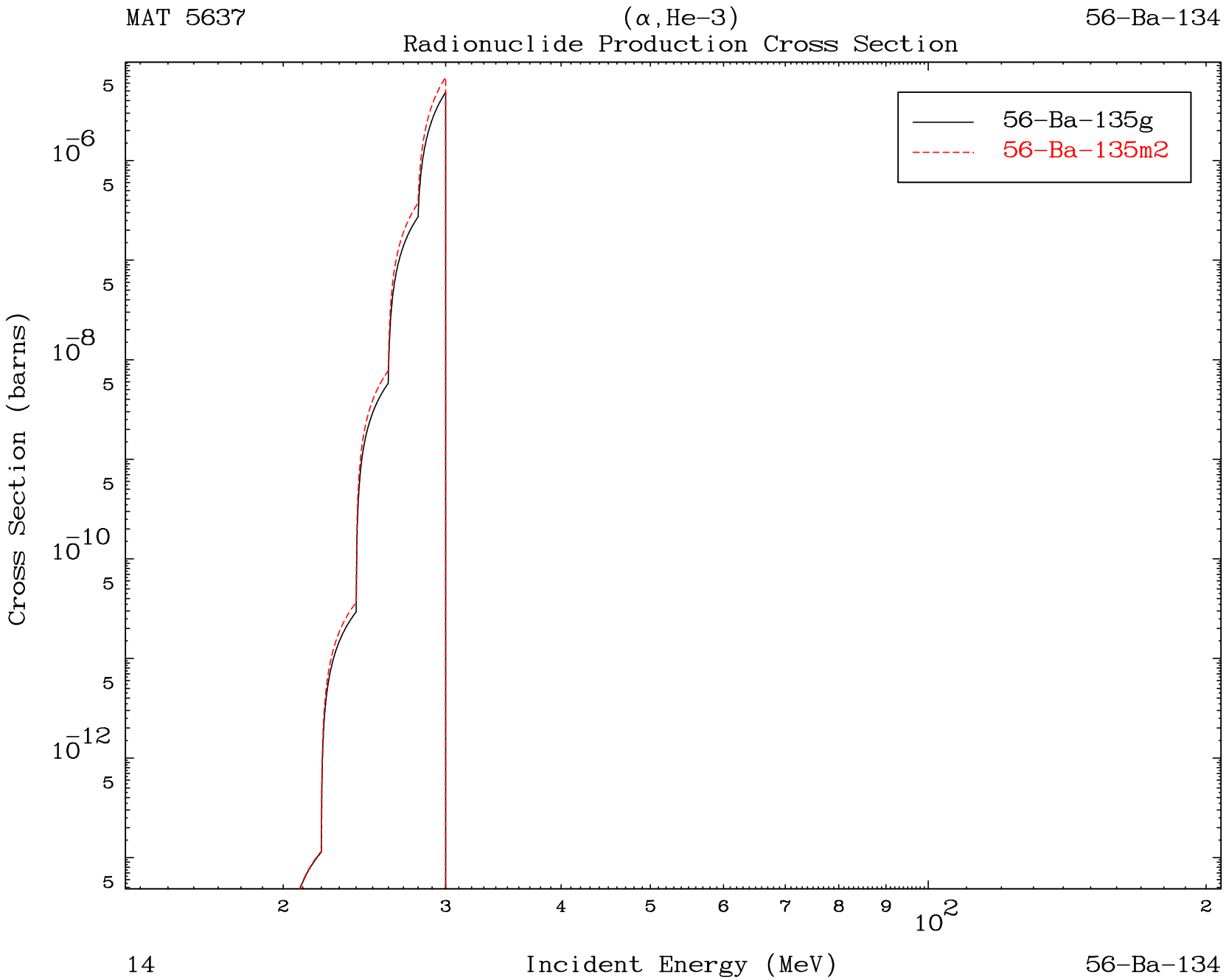


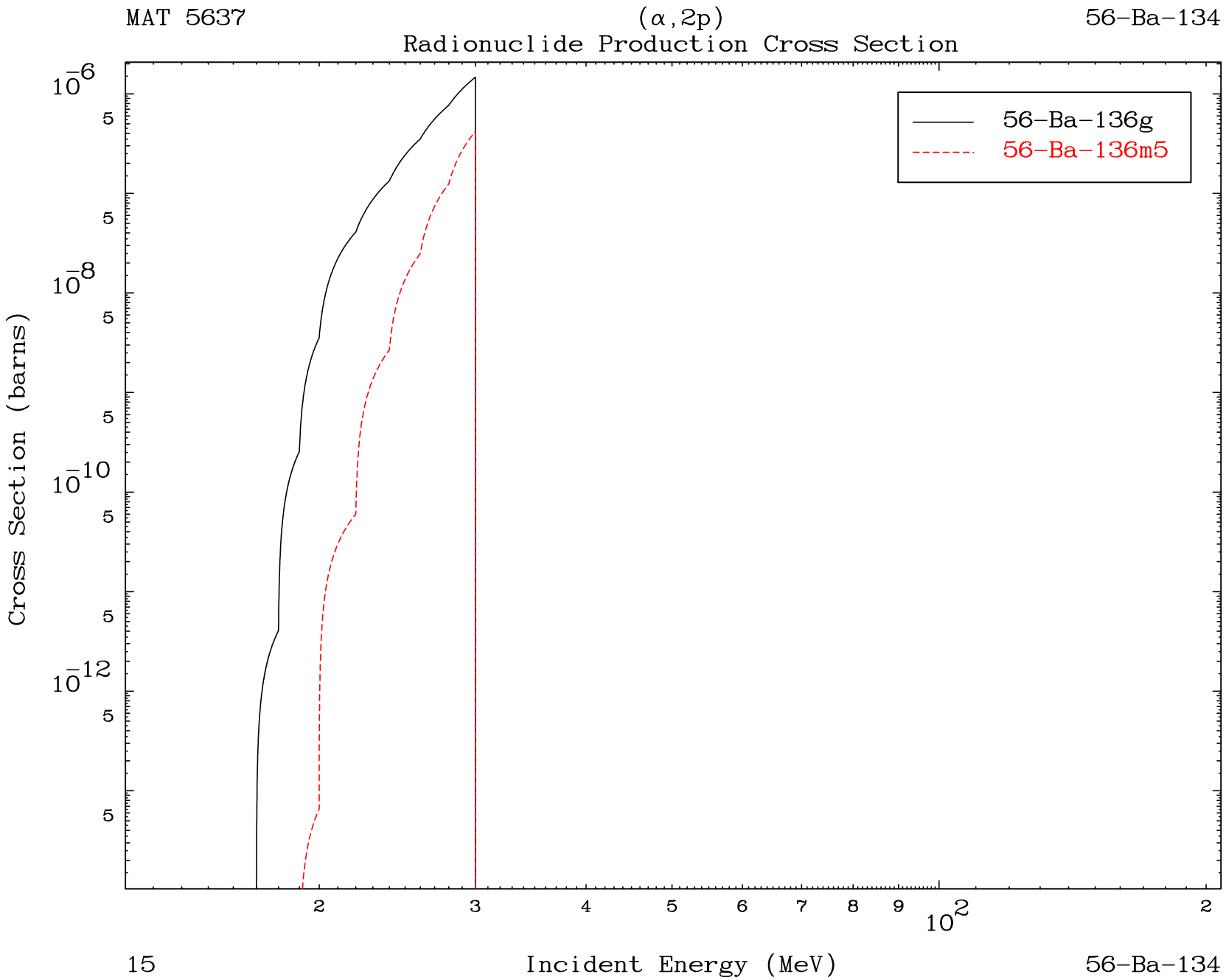

MAT 5637
(α,α) Levels
56-Ba-134
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
56-Ba-134


MAT 5637
α Inelastic
56-Ba-134
Radionuclide Production Cross Section
58-Ce-137g
58-Ce-137m2
Cross Section (barns)
Incident Energy (MeV)
11
56-Ba-134


MAT 5637
(α,3n)
56-Ba-134
Radionuclide Production Cross Section
58-Ce-135g
58-Ce-135m4
Cross Section (barns)
Incident Energy (MeV)
12
56-Ba-134


MAT 5637
(α,n') α
56-Ba-134
Radionuclide Production Cross Section
56-Ba-133g
56-Ba-133m2
Cross Section (barns)
Incident Energy (MeV)
13
56-Ba-134


MAT 5637
(α,He-3)
56-Ba-134
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
56-Ba-134


MAT 5637
(α,2p)
56-Ba-134
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
15
56-Ba-134