Program EVALPLOT
(Version 2021-1)
by
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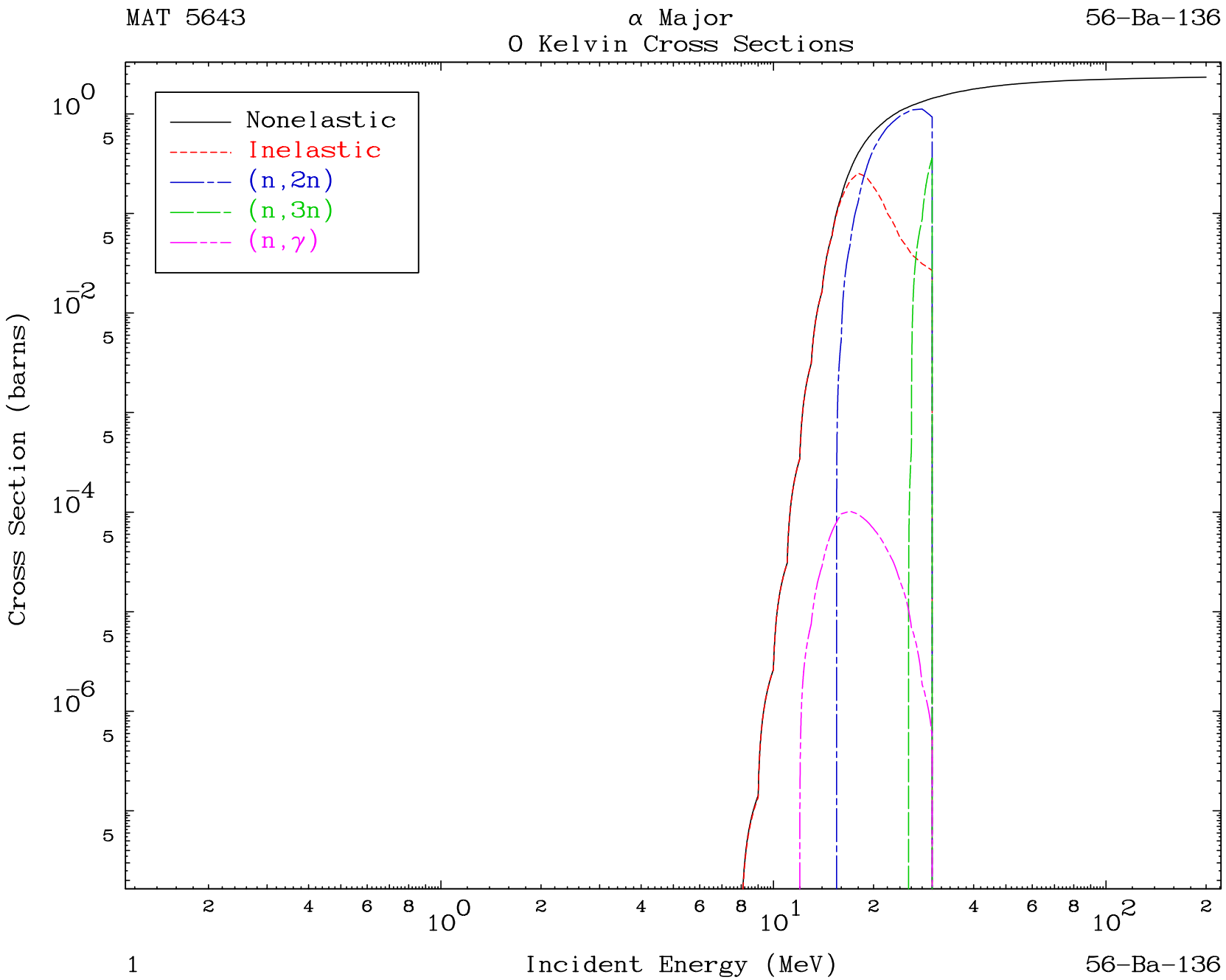
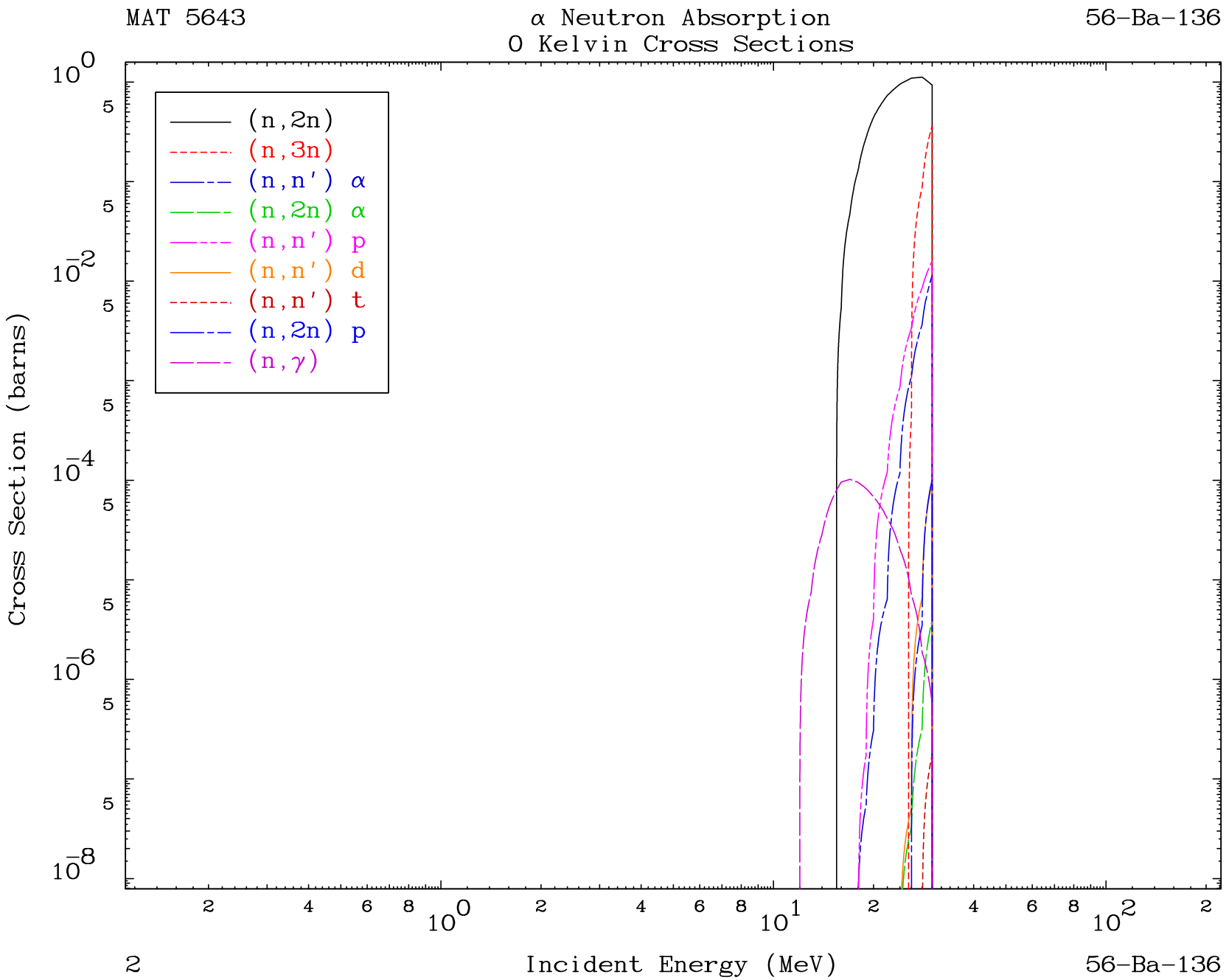
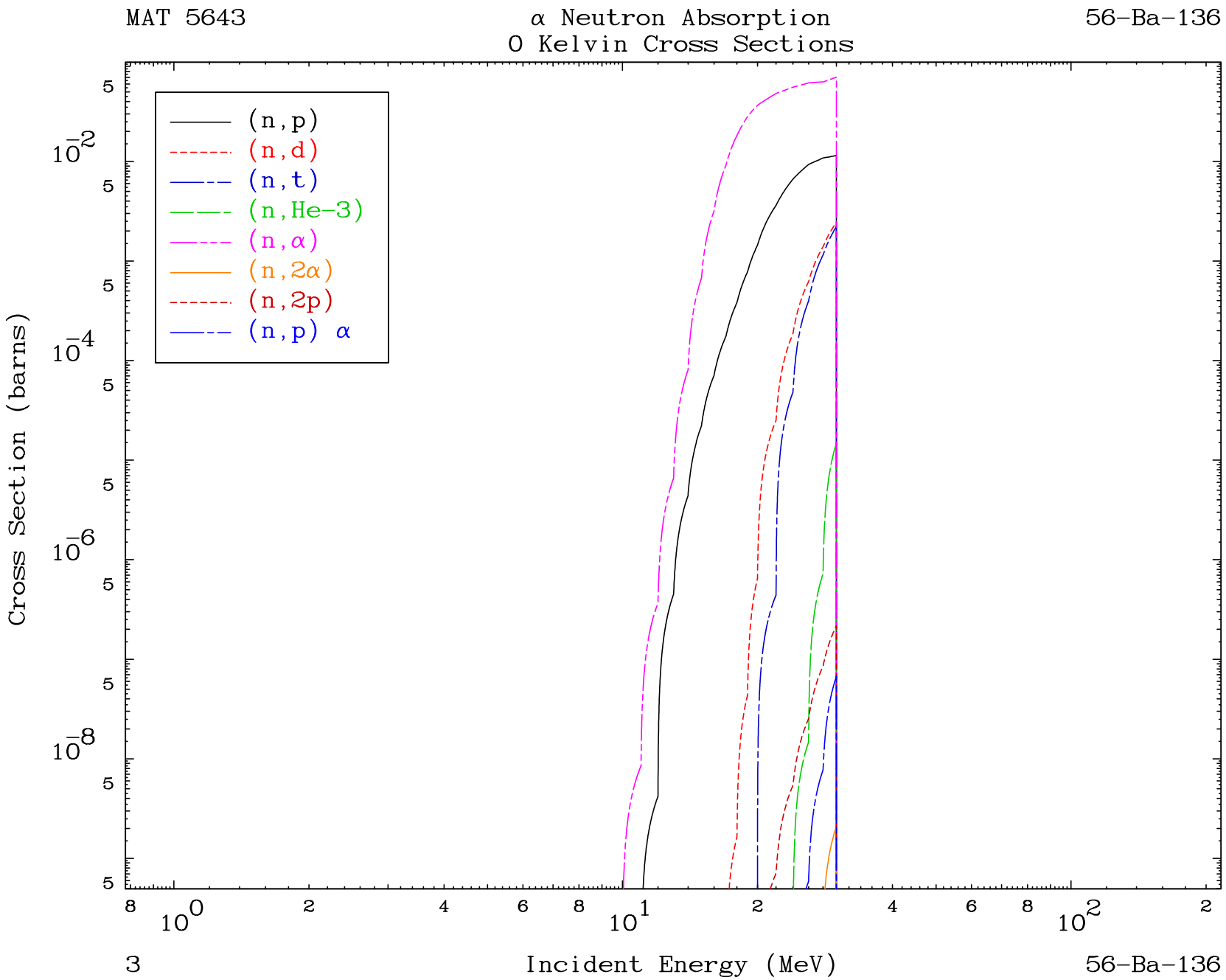
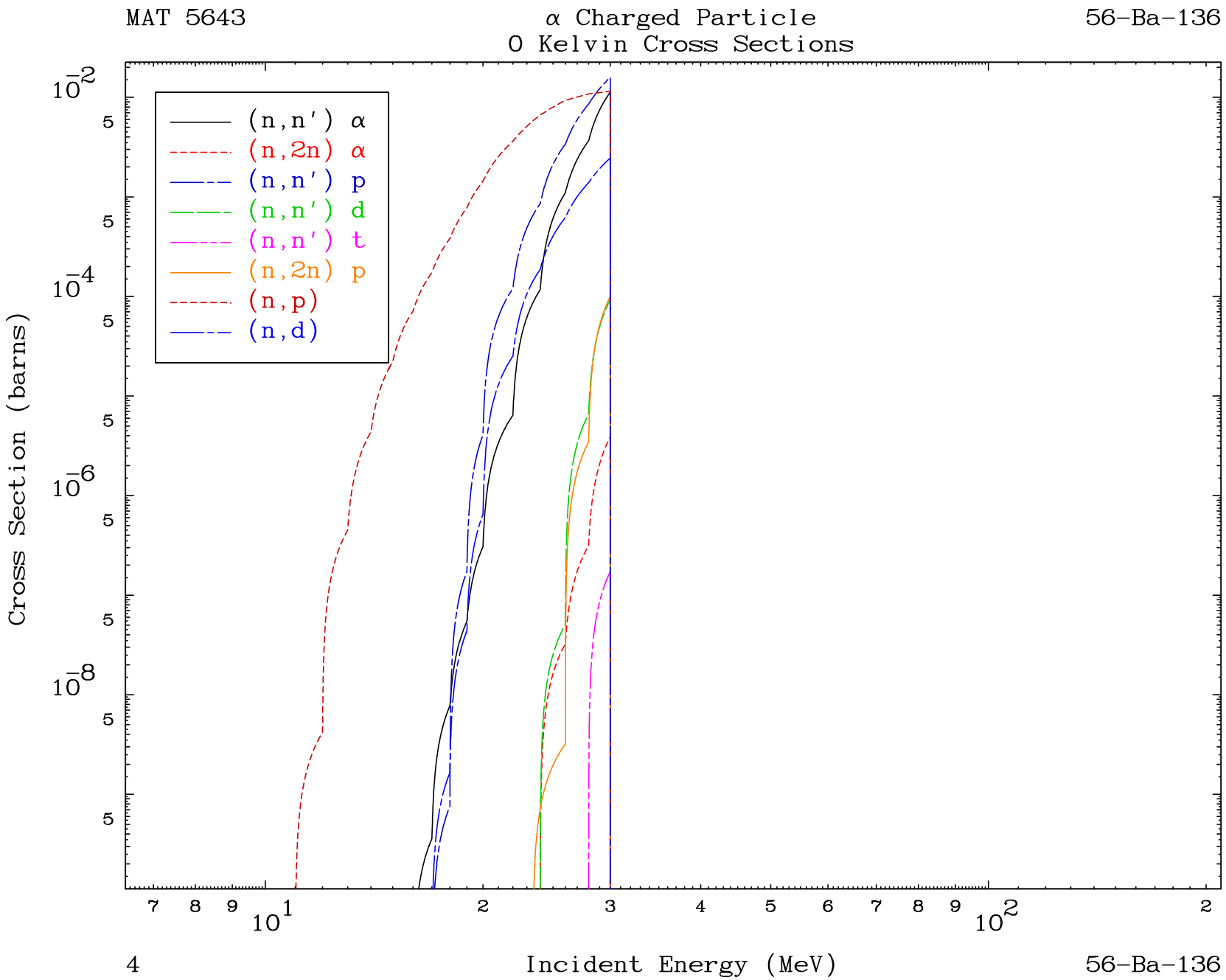
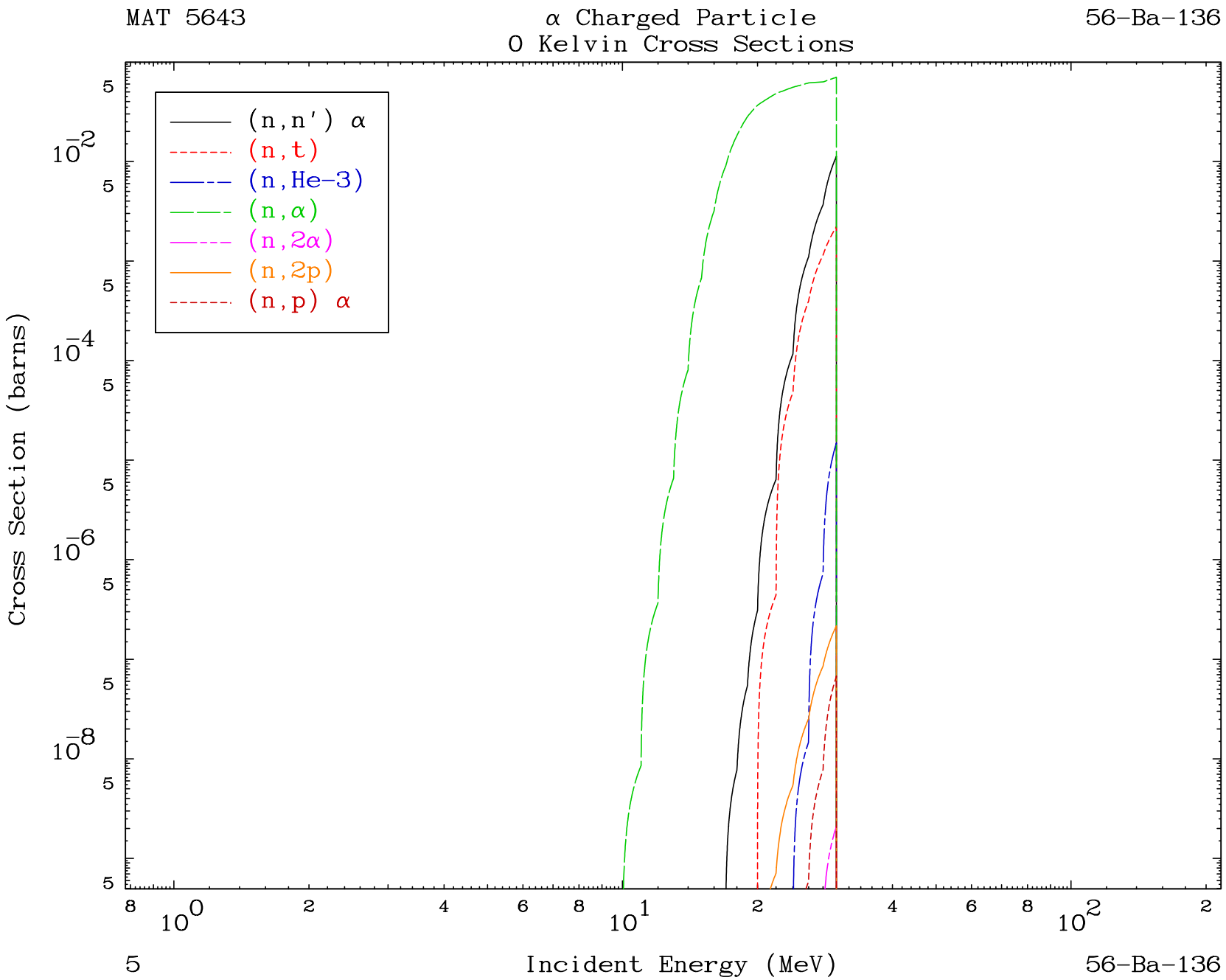
Press Mouse Button to Start

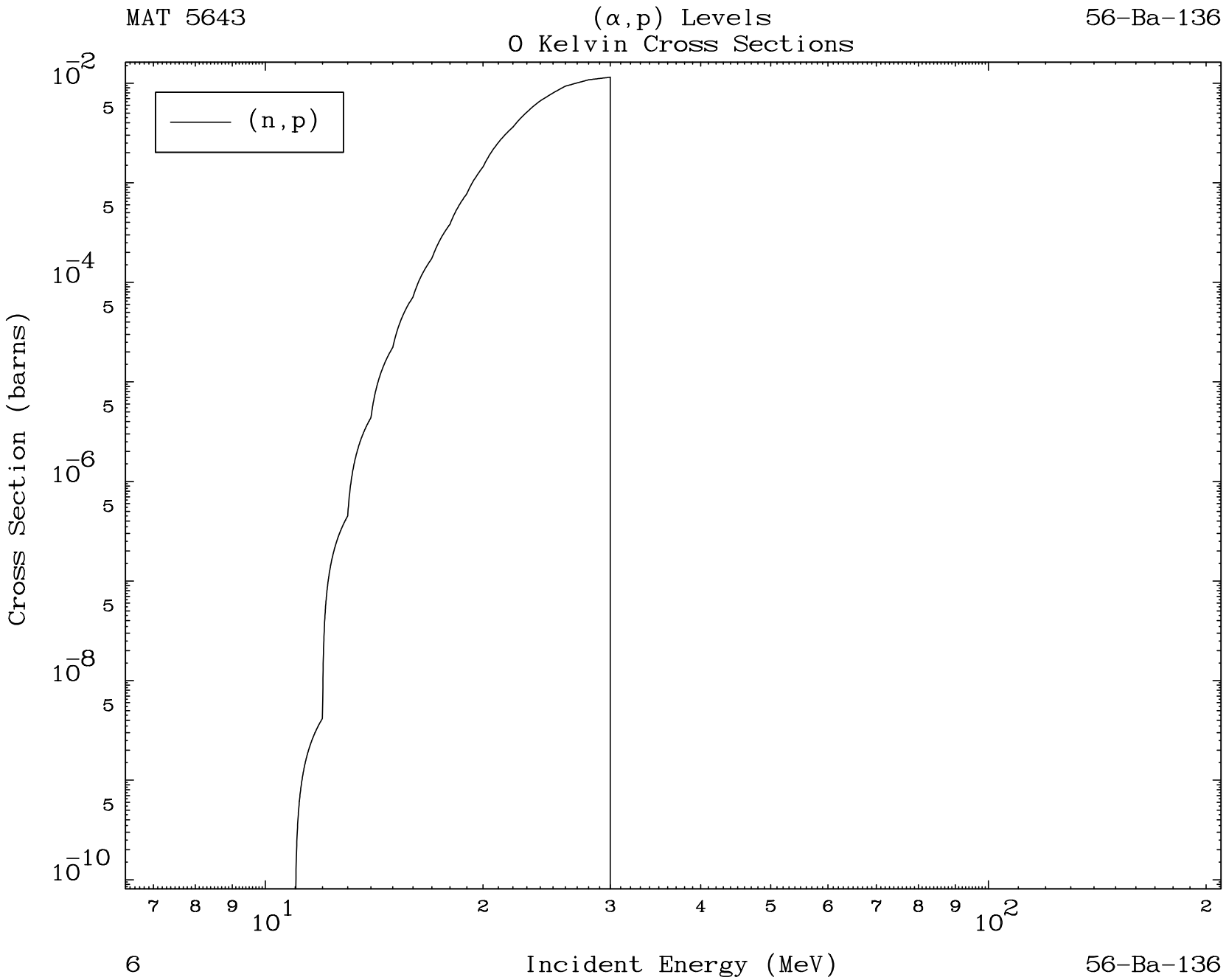

MAT 5643
α Major
56-Ba-136
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-136

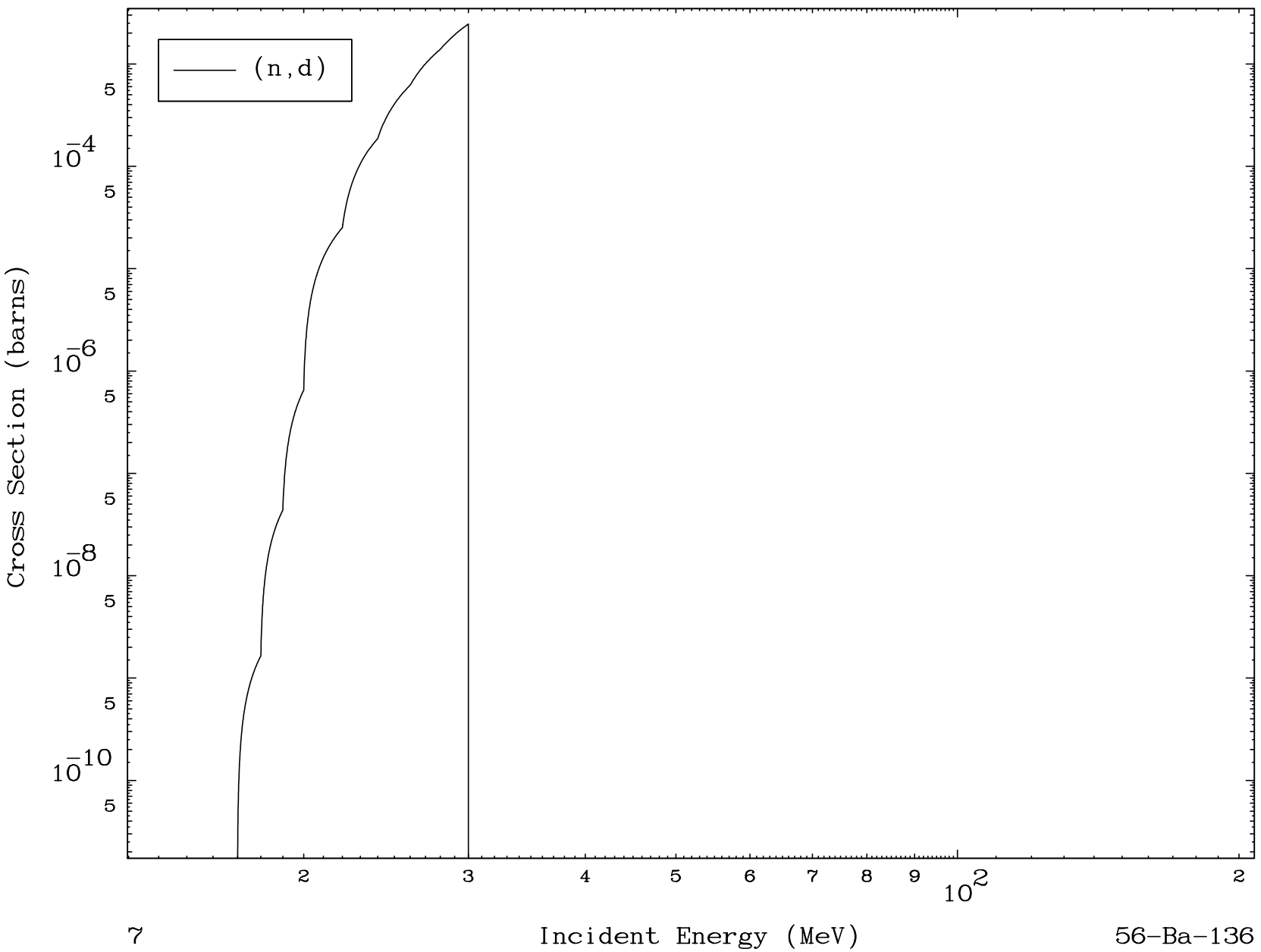

MAT 5643
α Neutron Absorption
0 Kelvin Cross Sections
56-Ba-136
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-136
2


MAT 5643
α Neutron Absorption
0 Kelvin Cross Sections
56-Ba-136
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
56-Ba-136
3

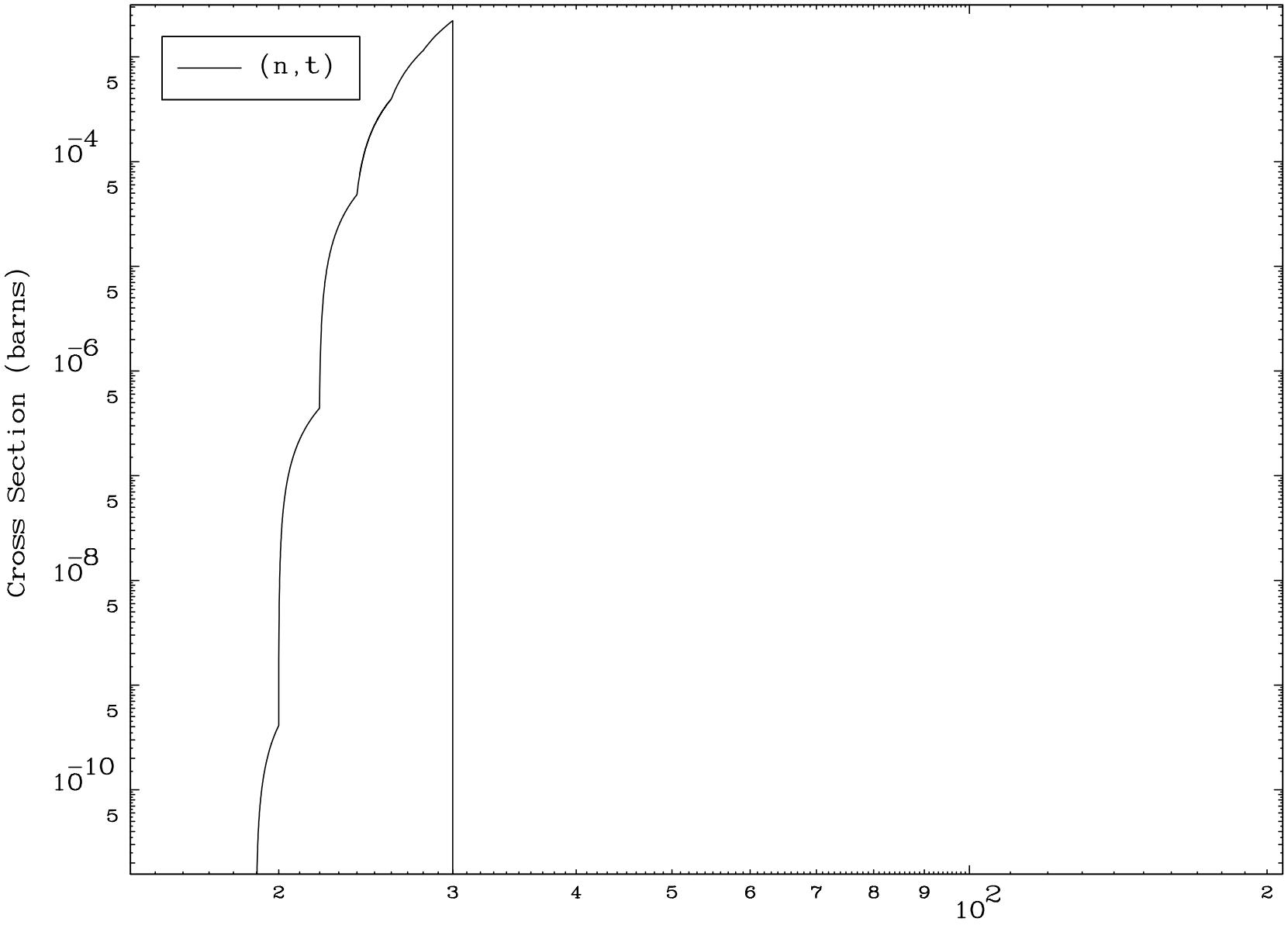

MAT 5643
α Charged Particle
0 Kelvin Cross Sections
56-Ba-136
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
4
56-Ba-136


MAT 5643
α Charged Particle
0 Kelvin Cross Sections
56-Ba-136
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
56-Ba-136

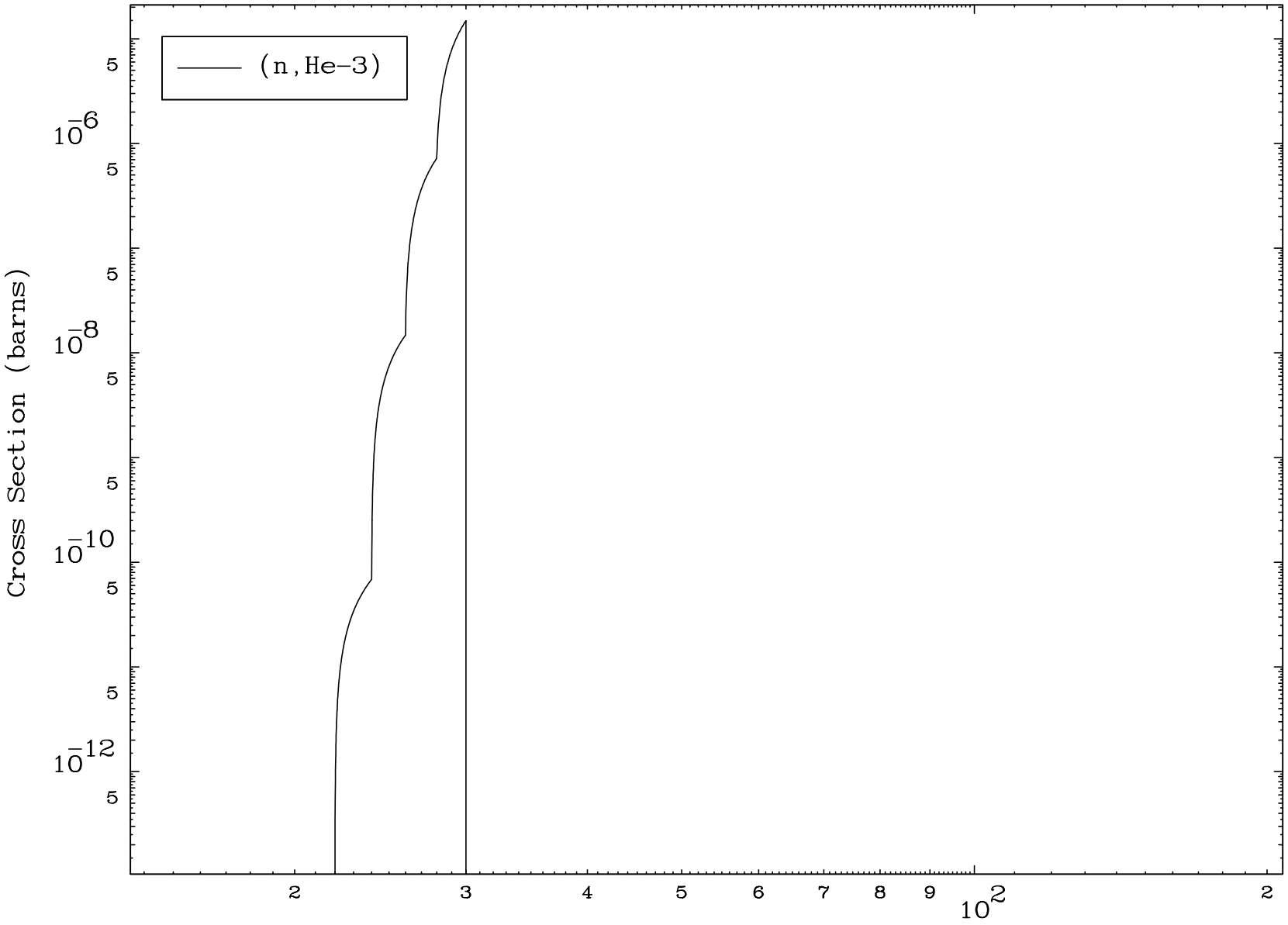

MAT 5643
(α,p) Levels
56-Ba-136
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
56-Ba-136

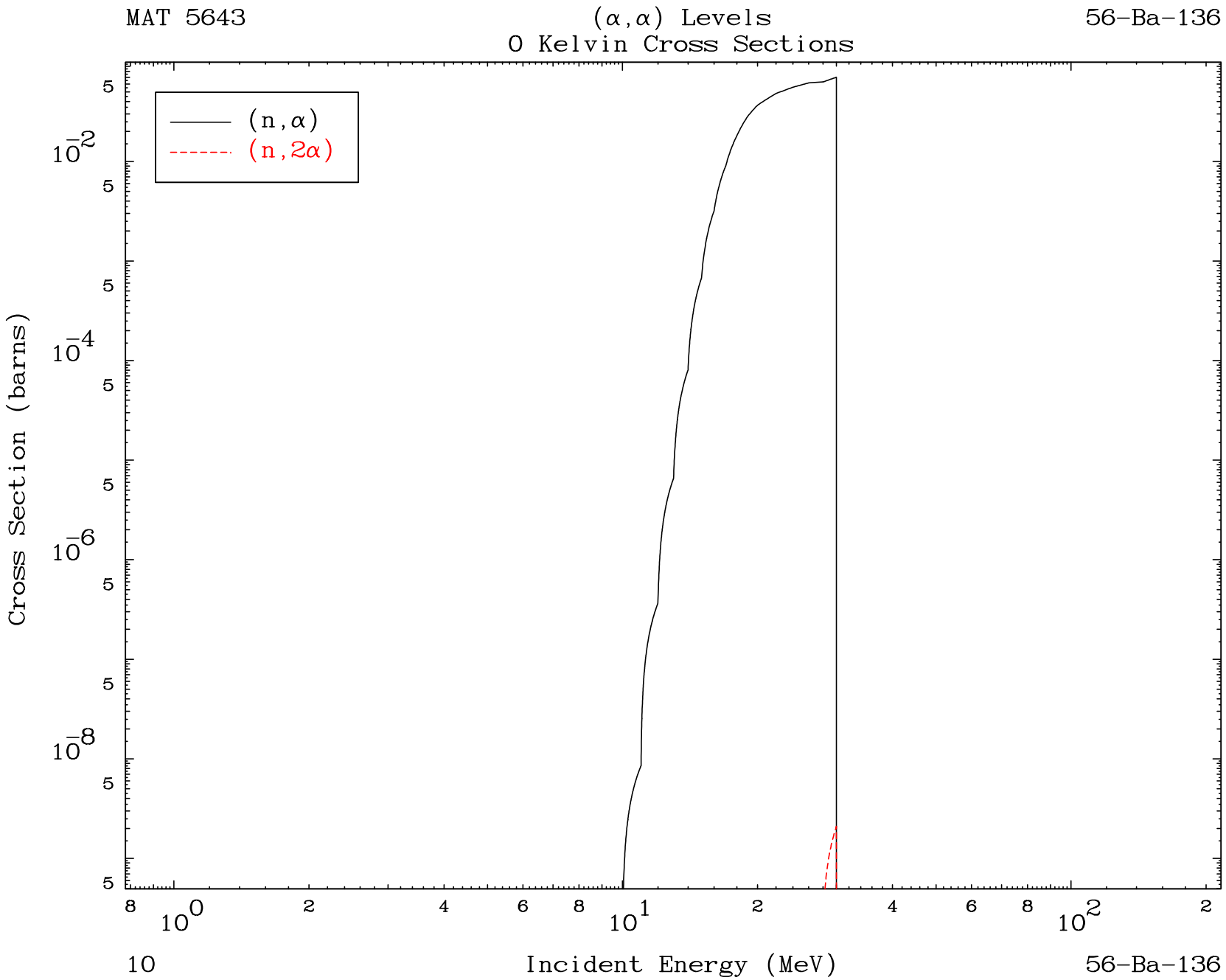

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

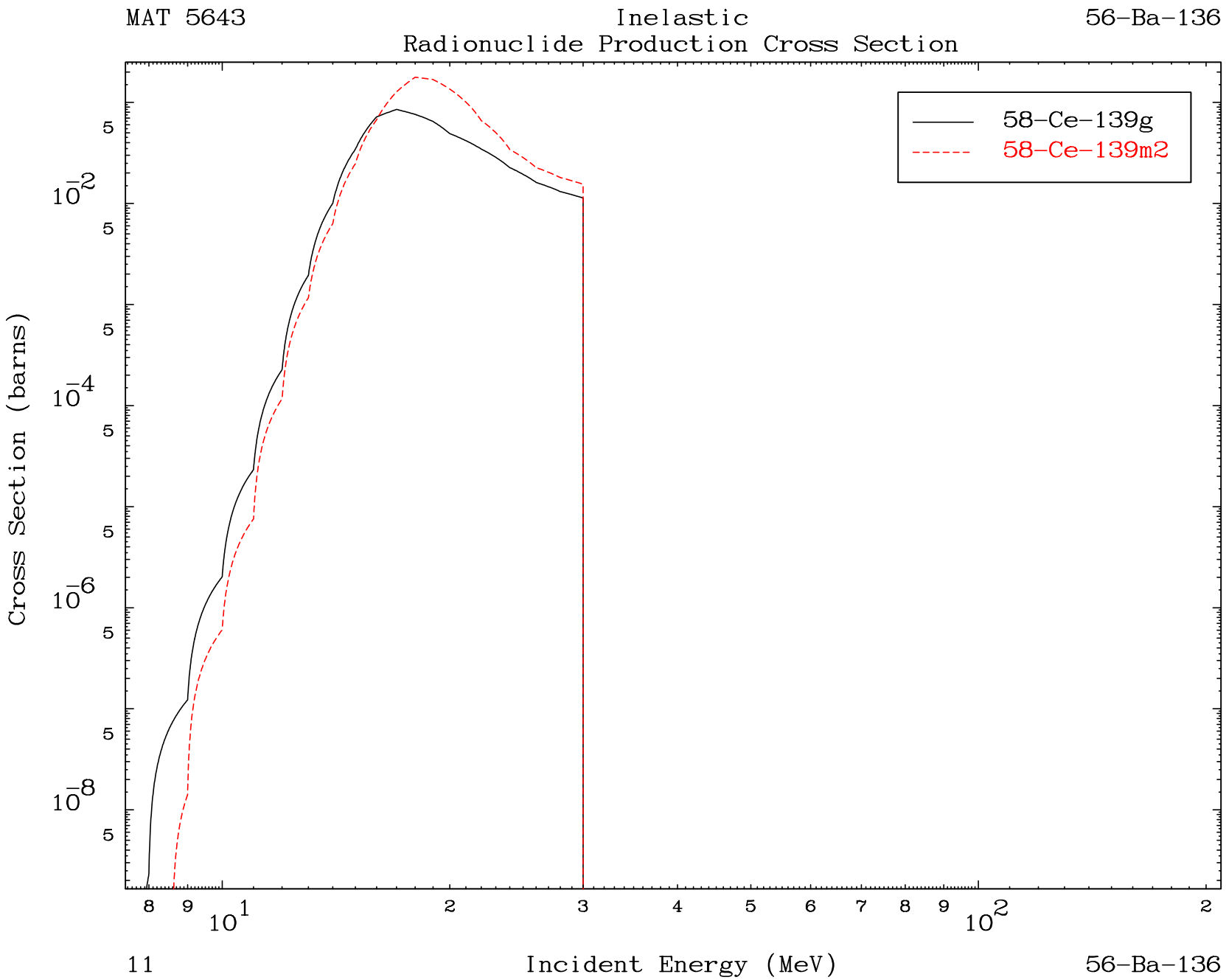
0 Kelvin Cross Sections

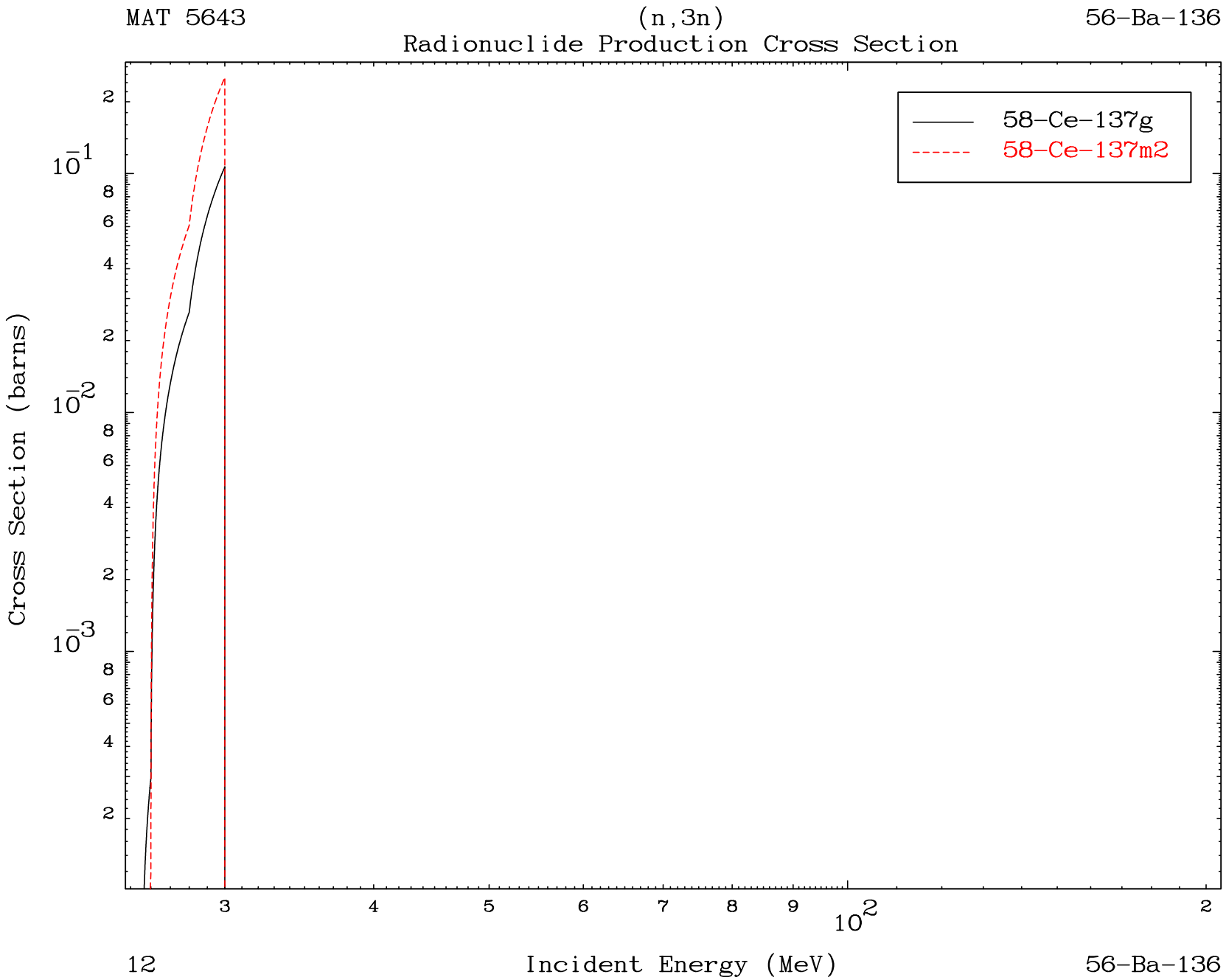


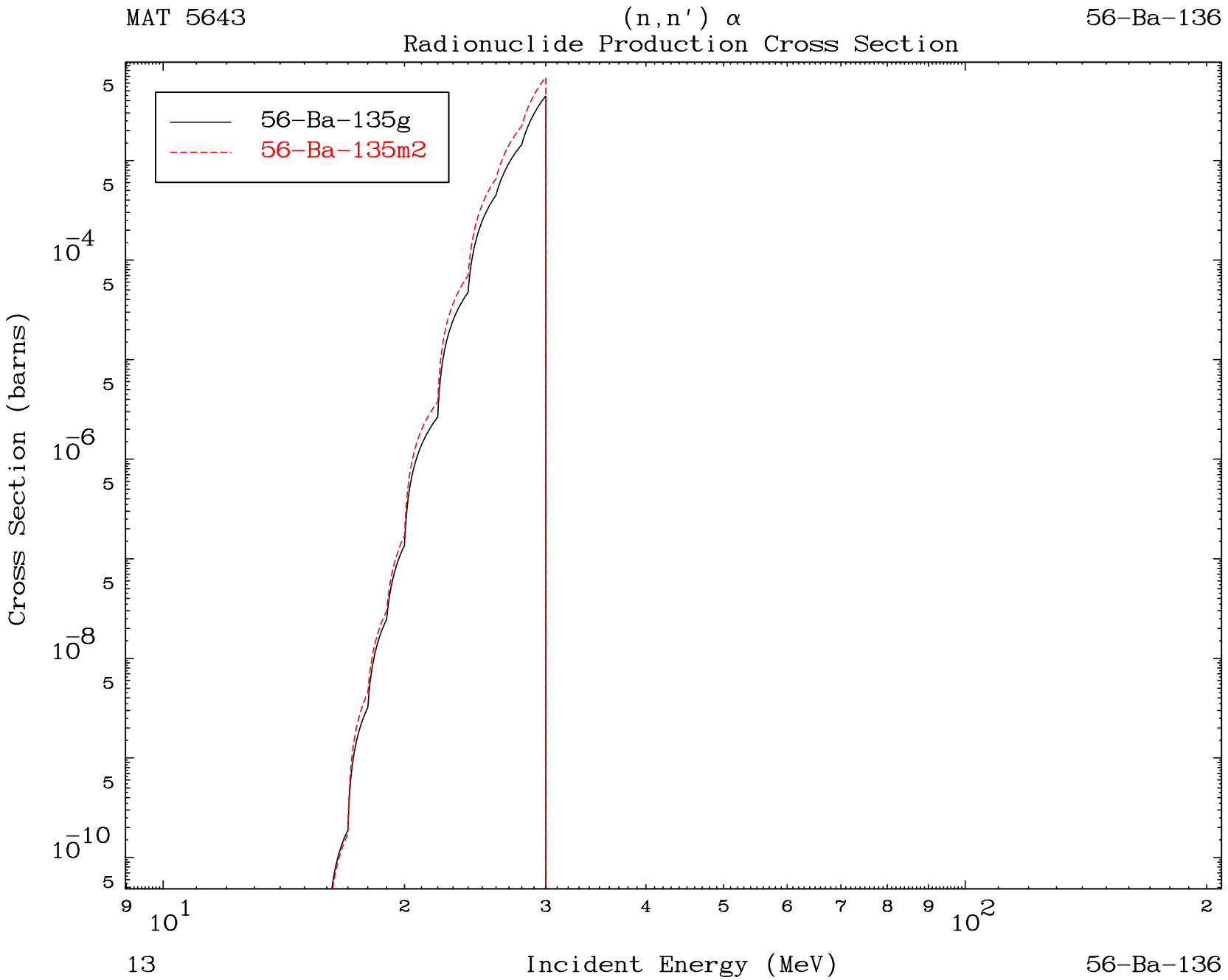
0 Kelvin Cross Sections

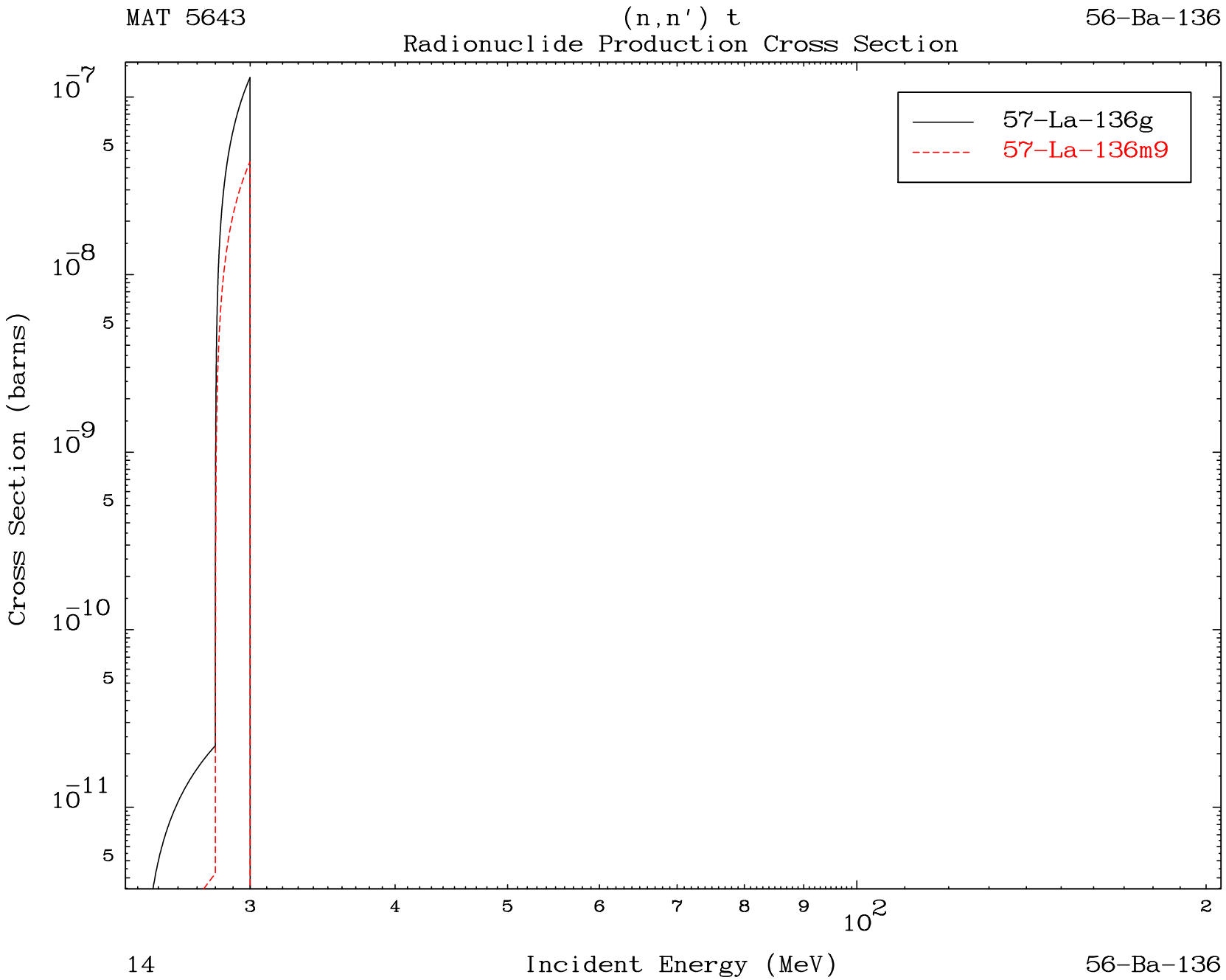


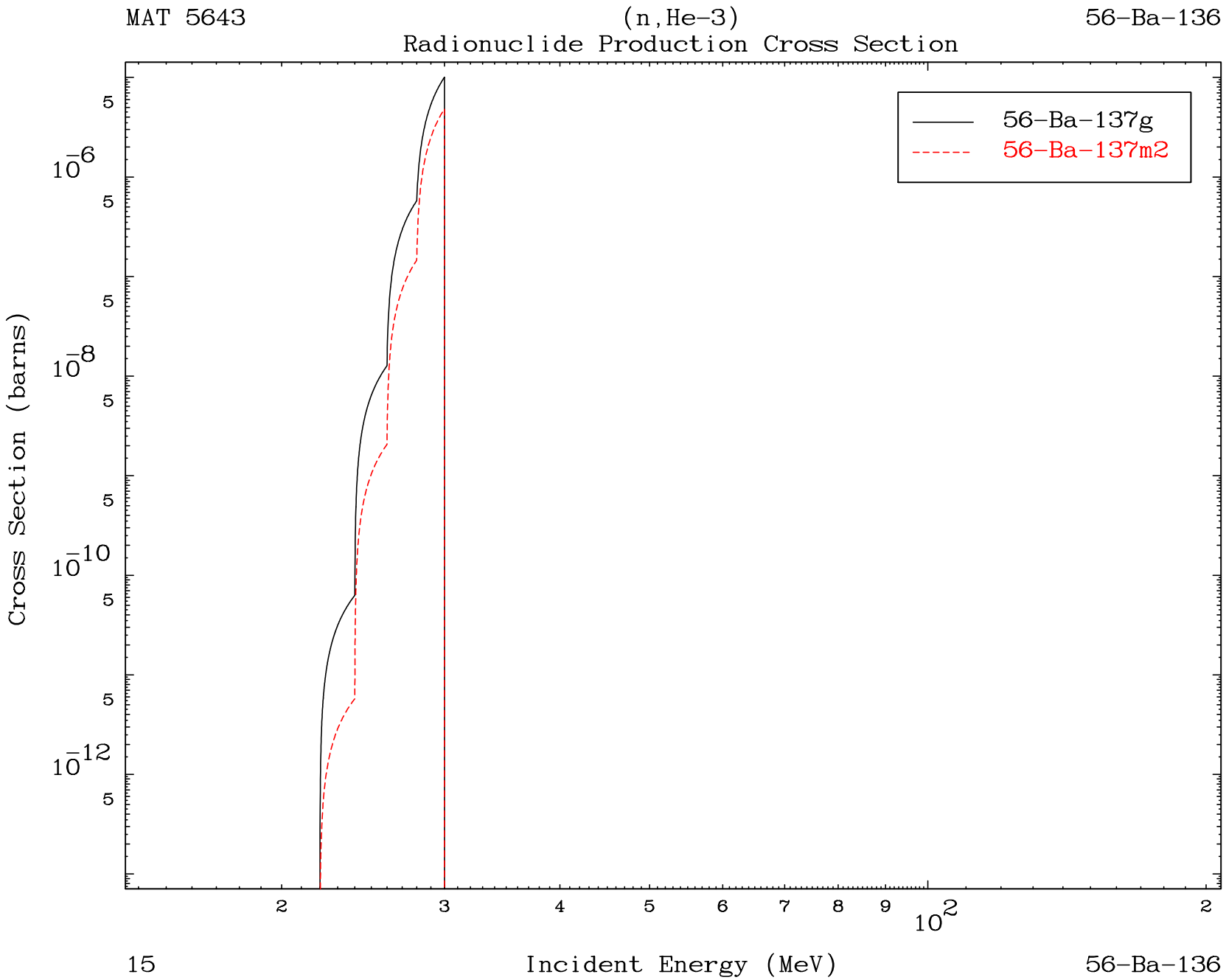

MAT 5643
(α,α) Levels
56-Ba-136
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-136

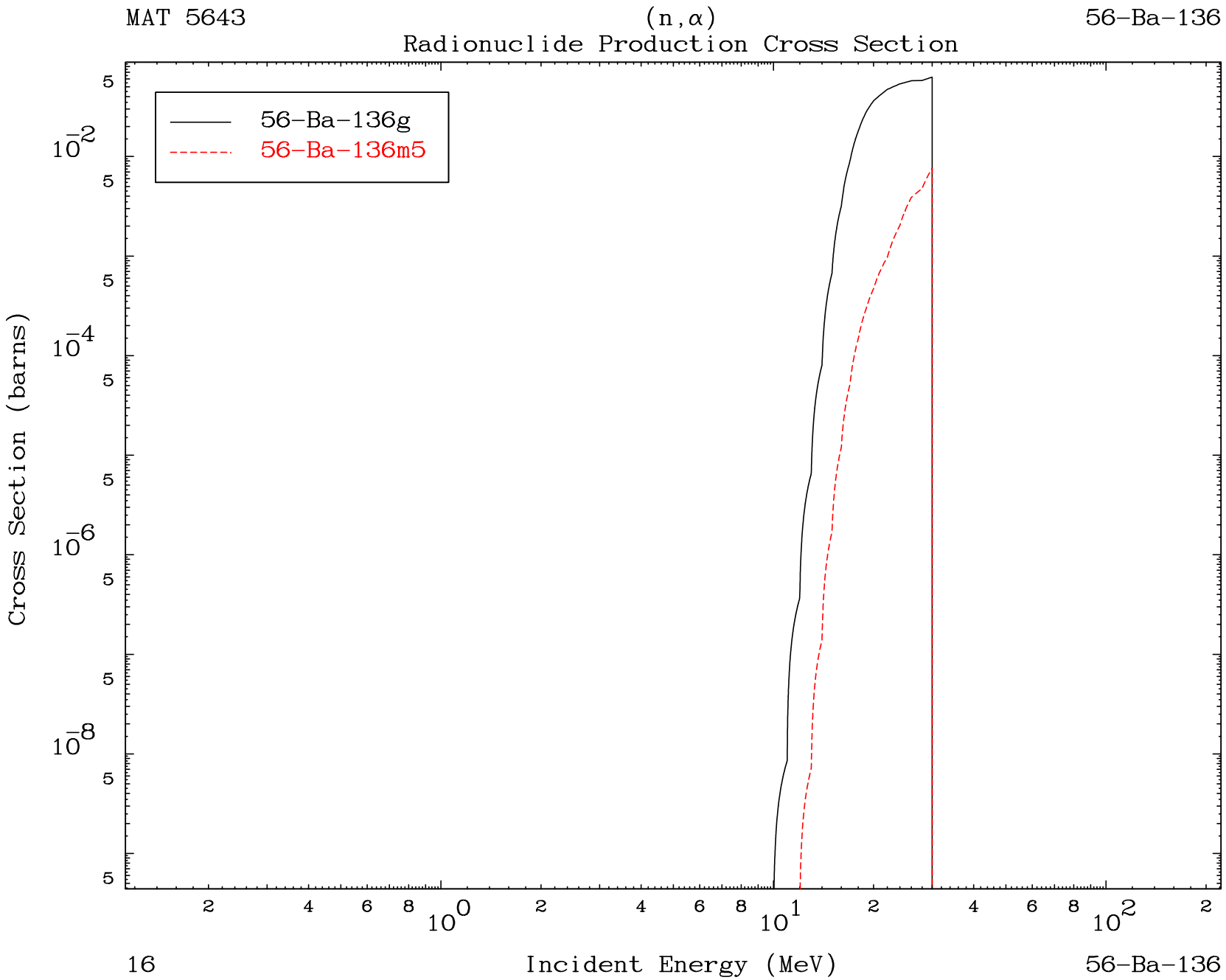

MAT 5643
Inelastic
56-Ba-136
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
10-2
10-4
10-6
10-8
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
11
Incident Energy (MeV)
56-Ba-136

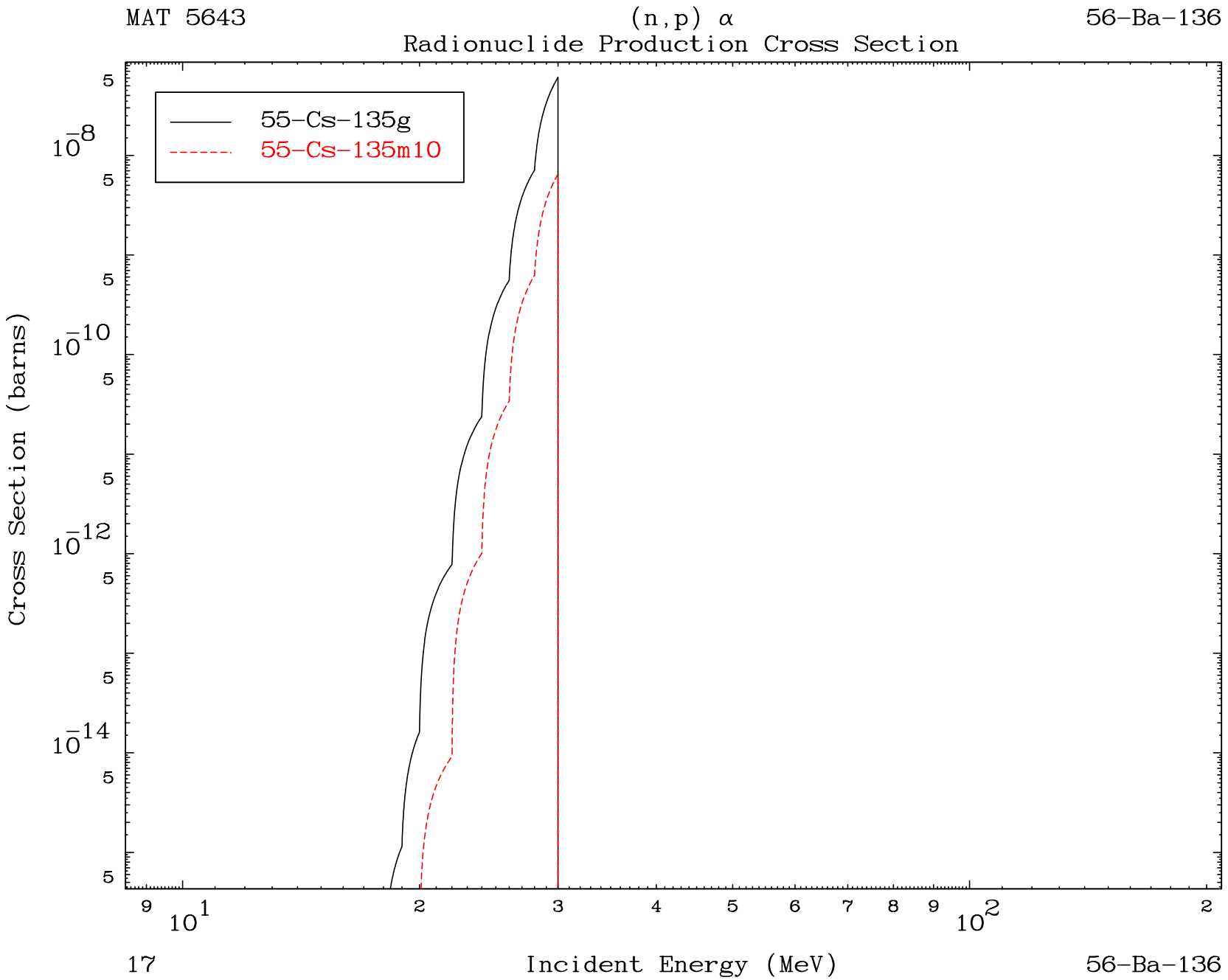

MAT 5643
(n,3n)
56-Ba-136
Radionuclide Production Cross Section
58-Ce-137g
58-Ce-137m2
Cross Section (barns)
Incident Energy (MeV)
12
56-Ba-136


MAT 5643
(n,n') α
56-Ba-136
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
13
56-Ba-136


MAT 5643
(n,n') t
56-Ba-136
Radionuclide Production Cross Section
57-La-136g
57-La-136m9
Cross Section (barns)
10-7
10-8
10-9
10-10
10-11
5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
56-Ba-136


MAT 5643
(n,He-3)
56-Ba-136
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
Incident Energy (MeV)
15
56-Ba-136


MAT 5643
(n,α)
56-Ba-136
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
Incident Energy (MeV)
16
56-Ba-136


MAT 5643
(n,p) α
56-Ba-136
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m10
Cross Section (barns)
Incident Energy (MeV)
17
56-Ba-136