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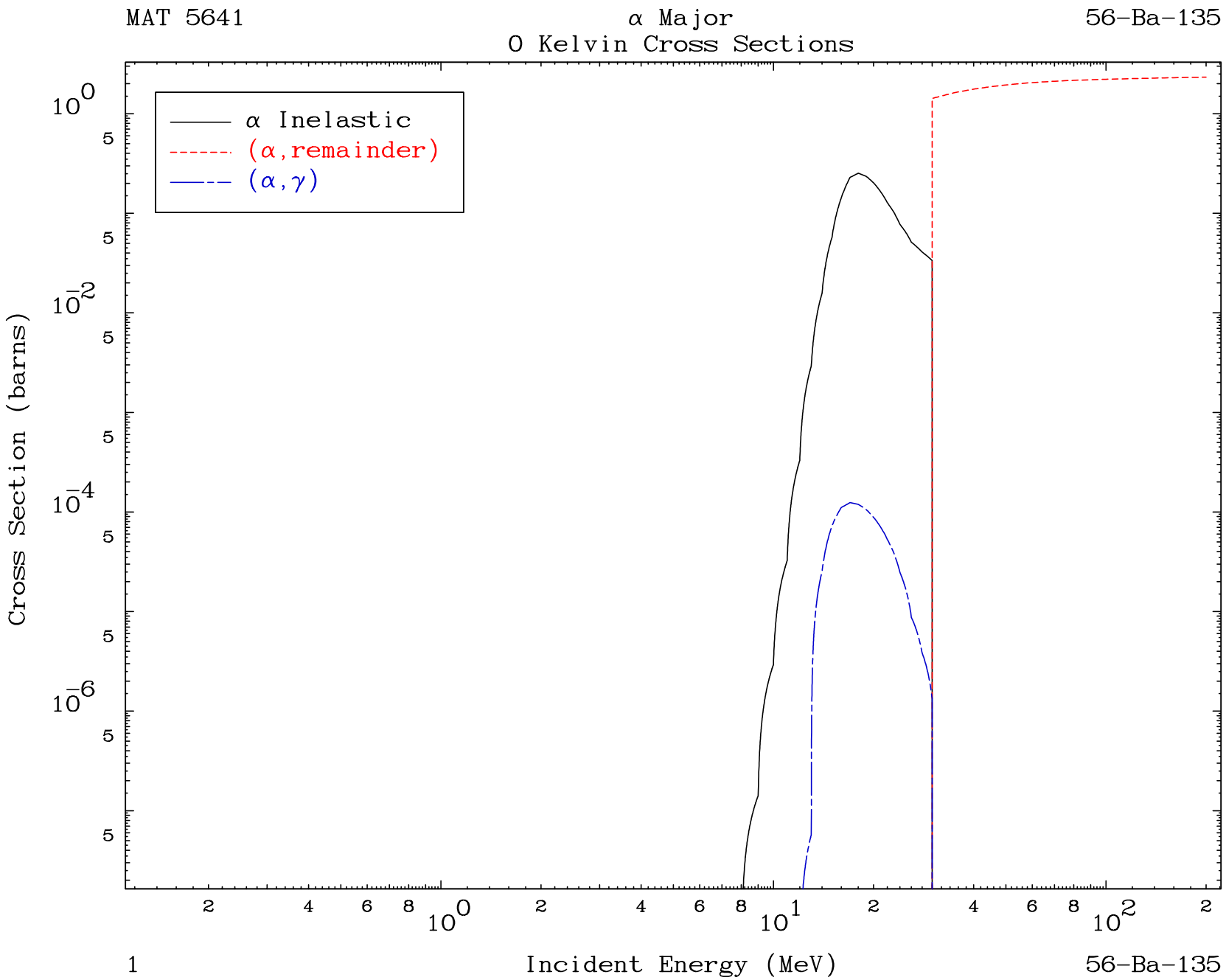
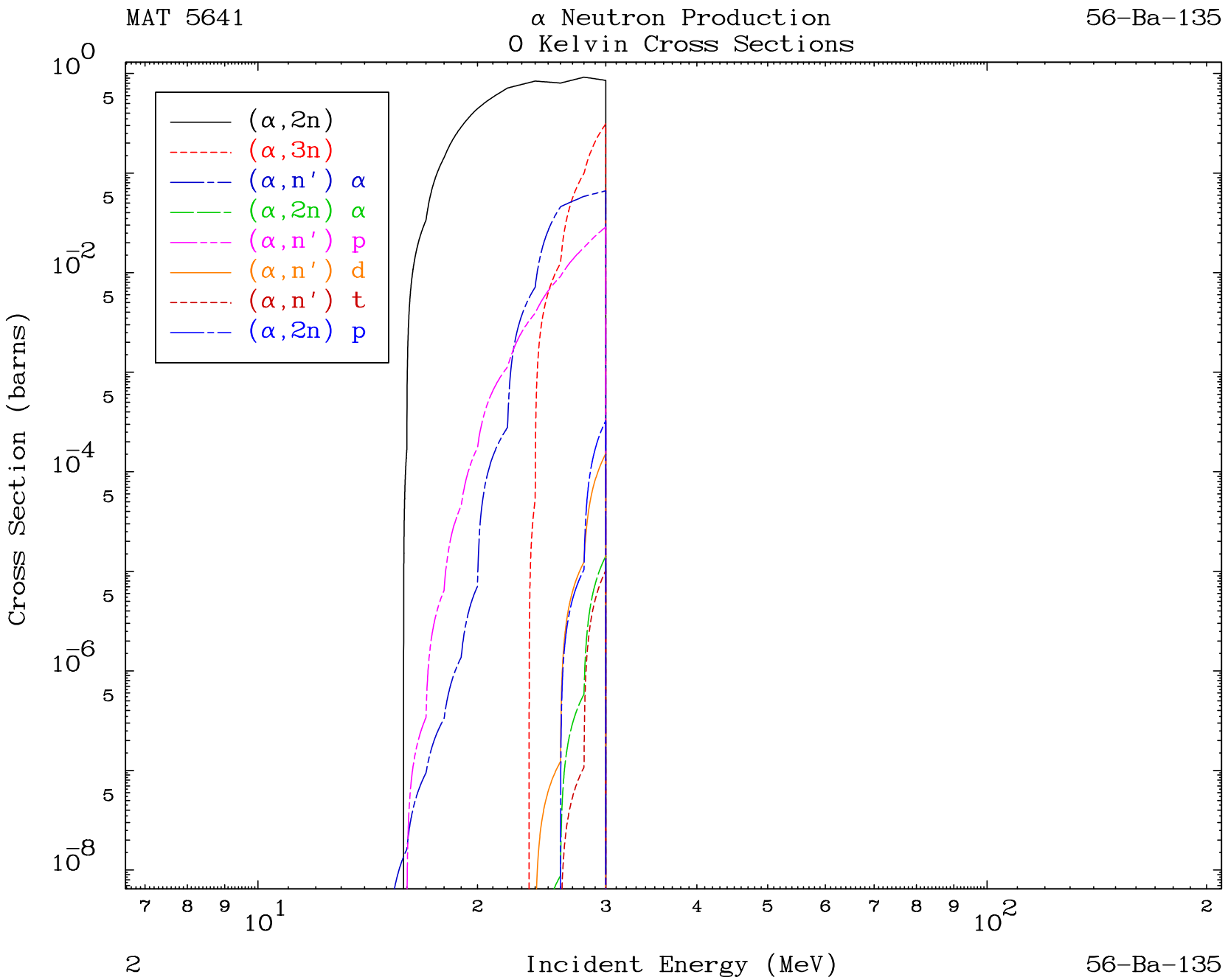
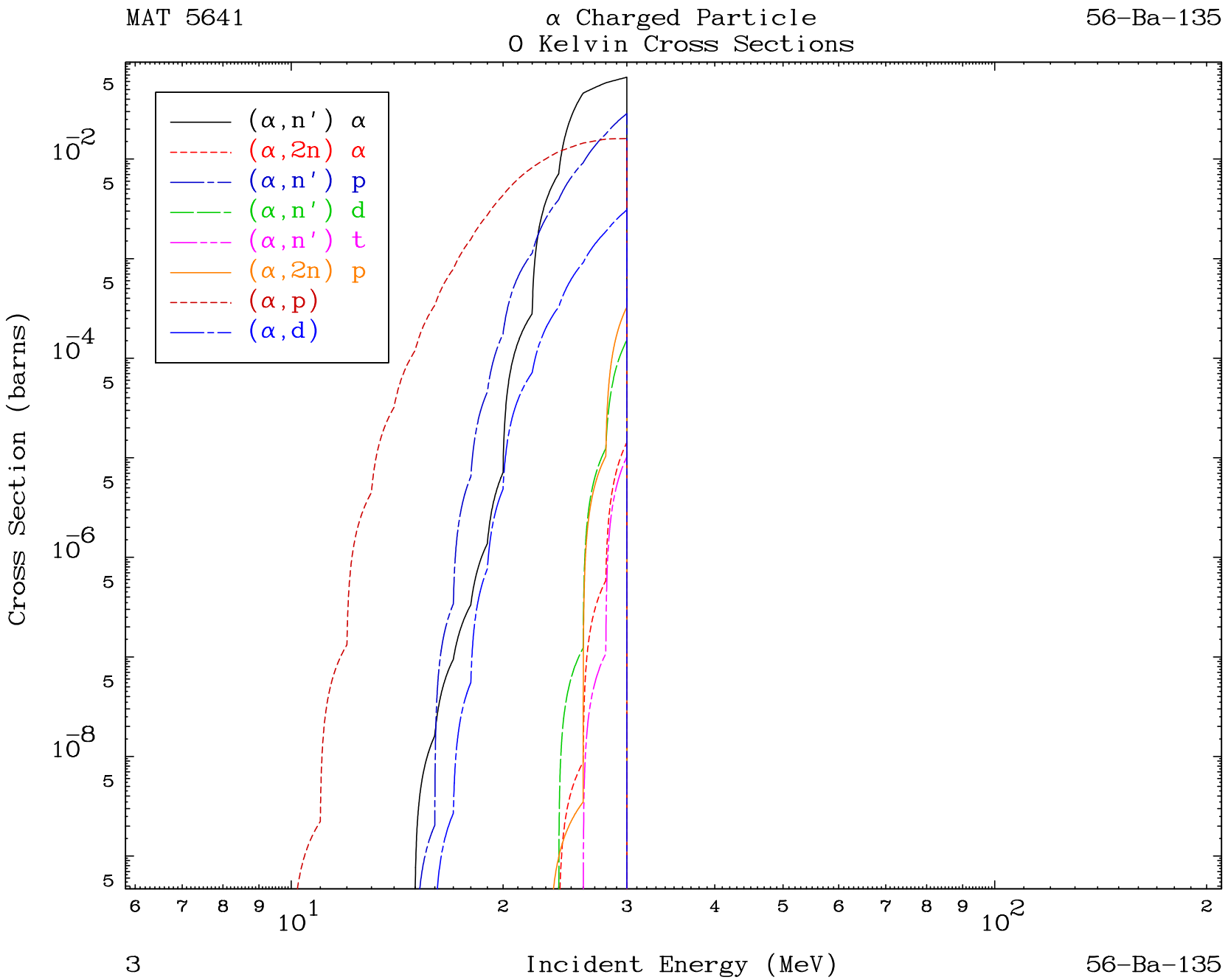
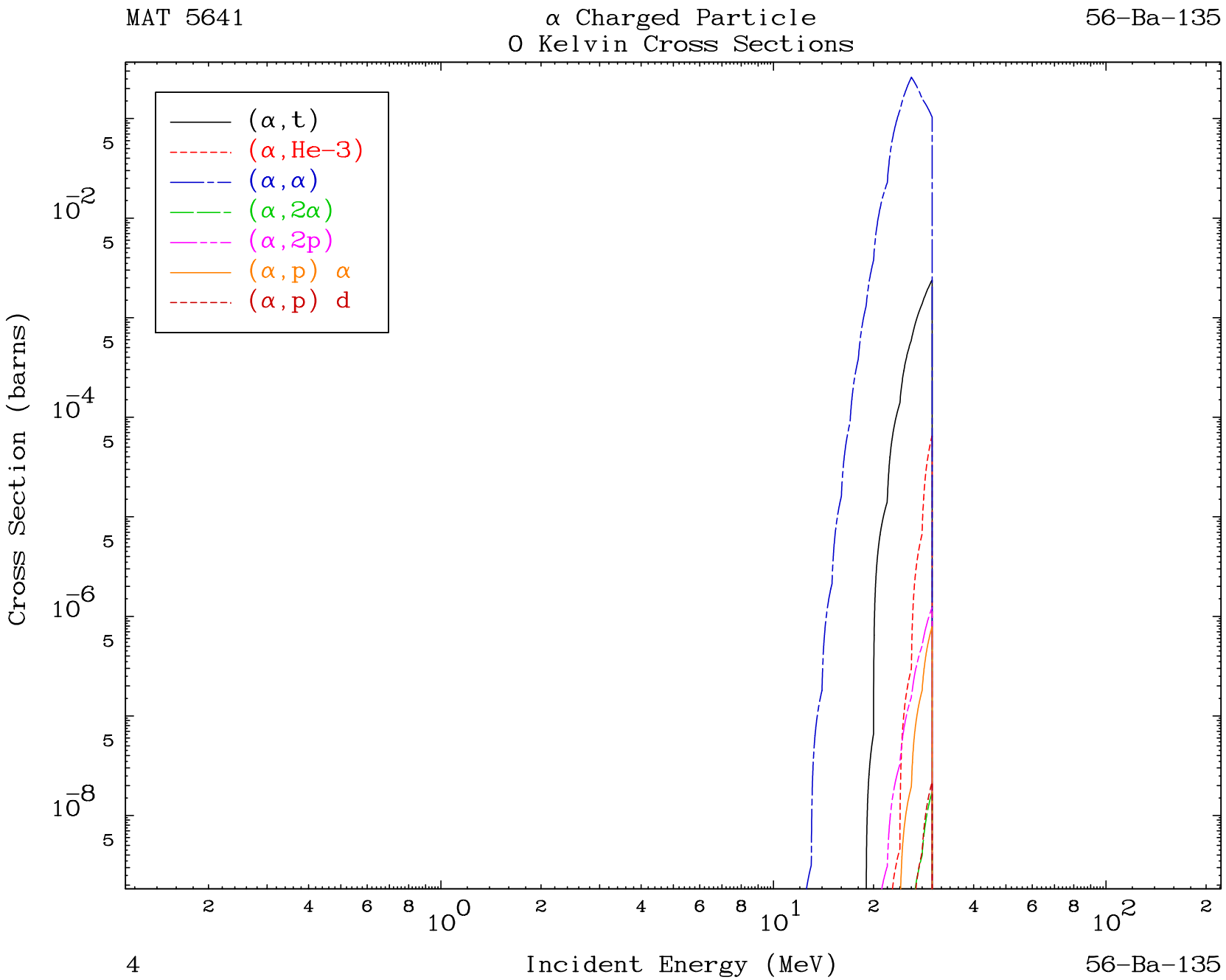
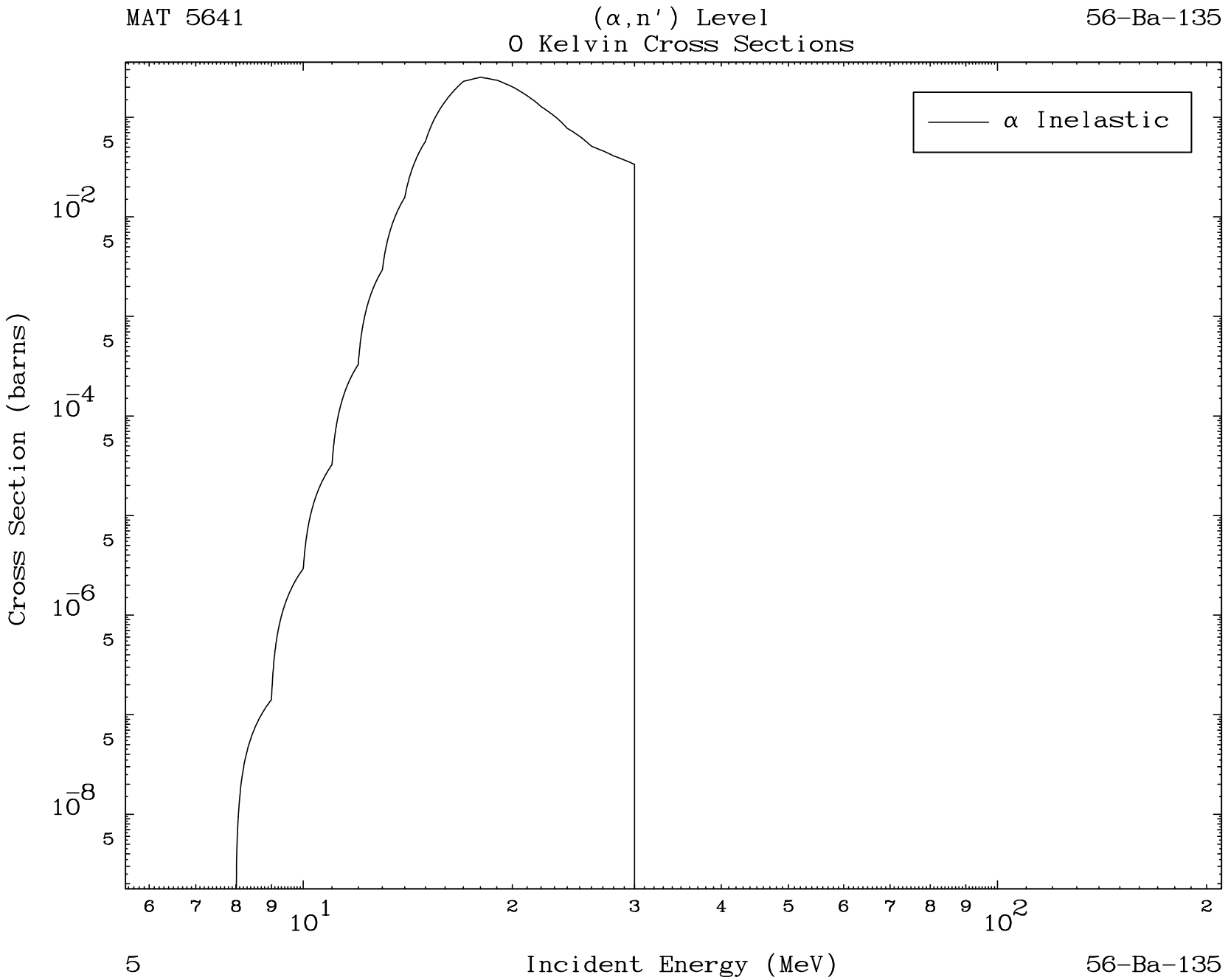
Press Mouse Button to Start

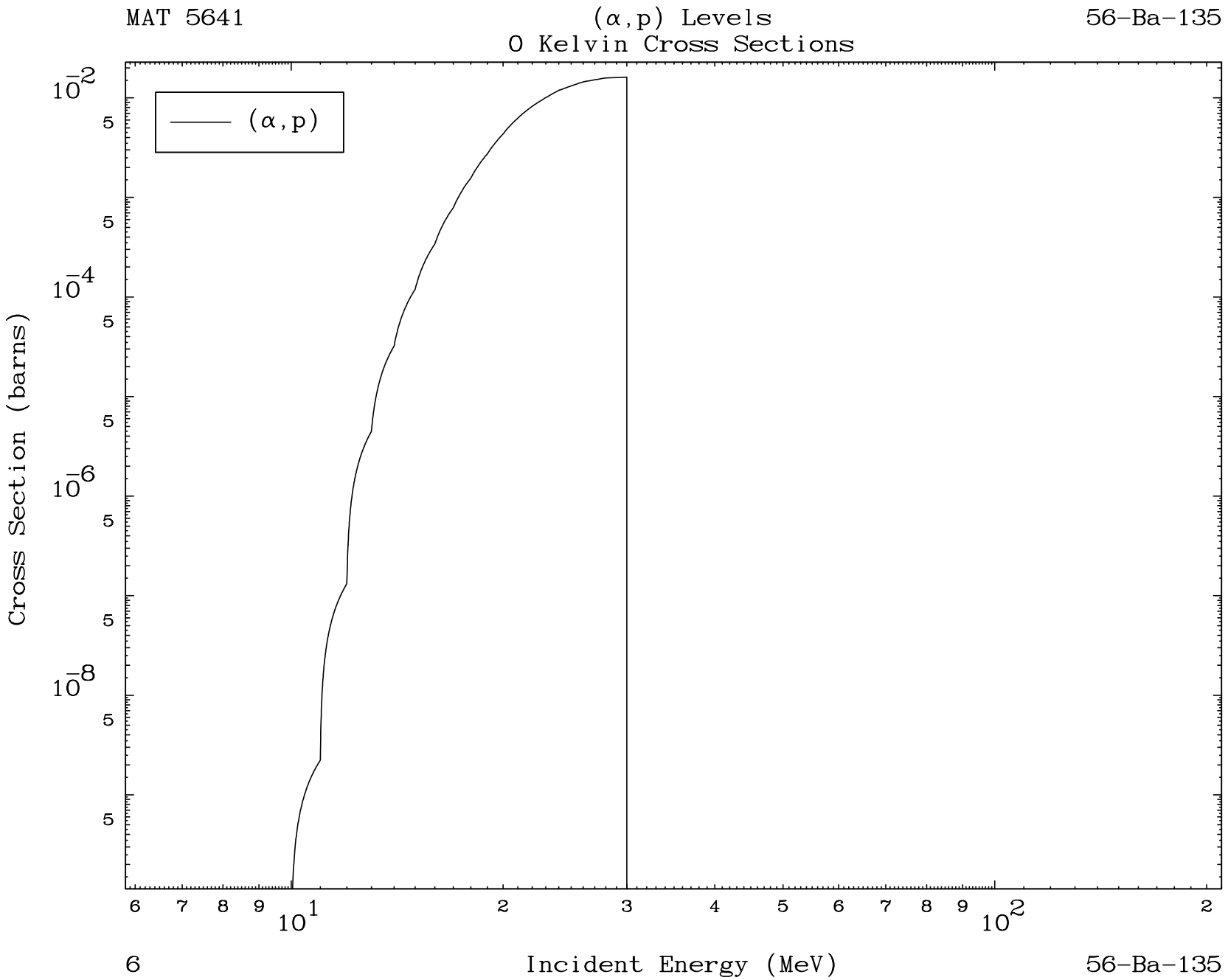

MAT 5641
α Major
56-Ba-135
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-135
1

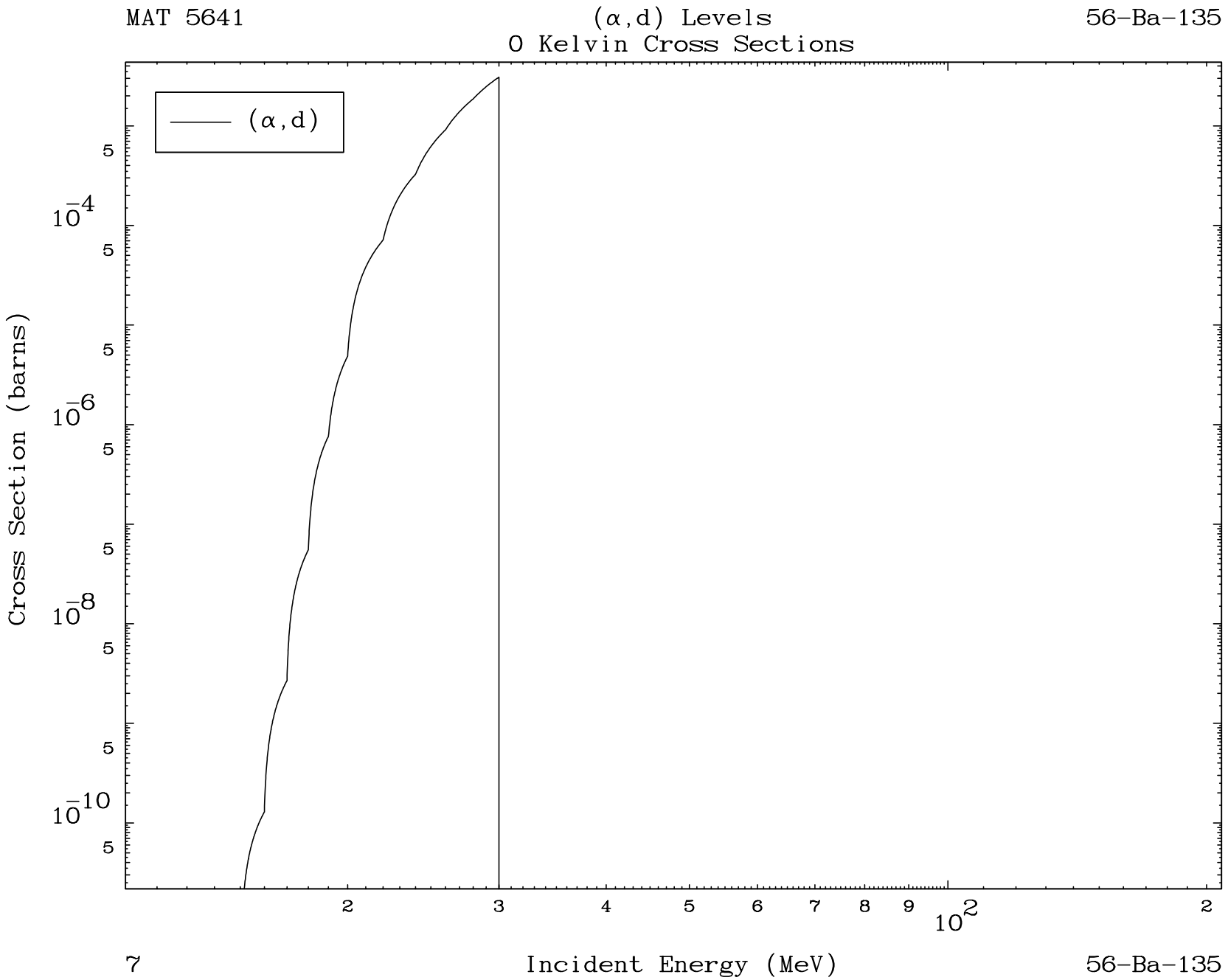

MAT 5641
α Neutron Production
0 Kelvin Cross Sections
56-Ba-135
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
56-Ba-135

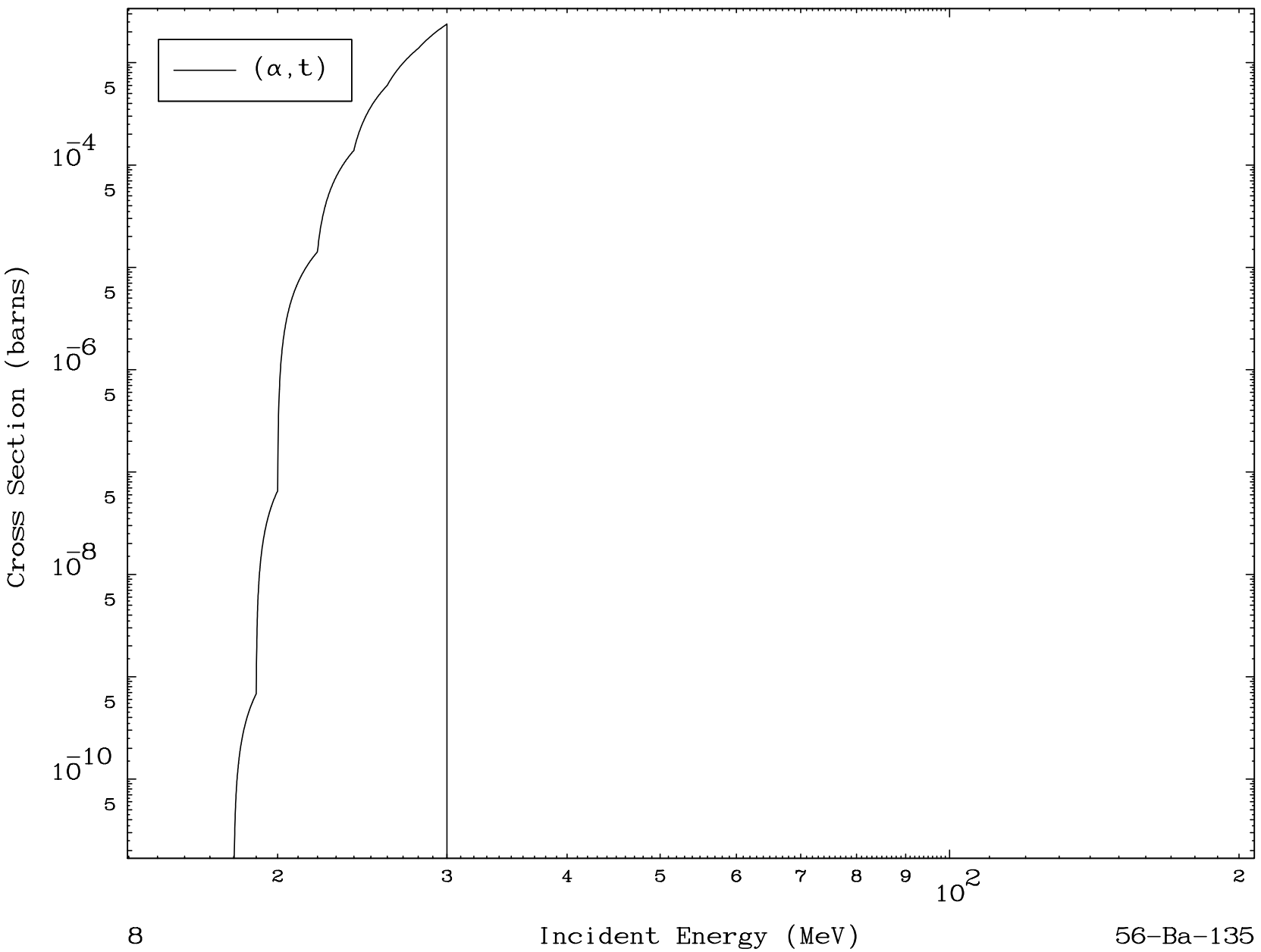

MAT 5641
α Charged Particle
0 Kelvin Cross Sections
56-Ba-135
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
56-Ba-135

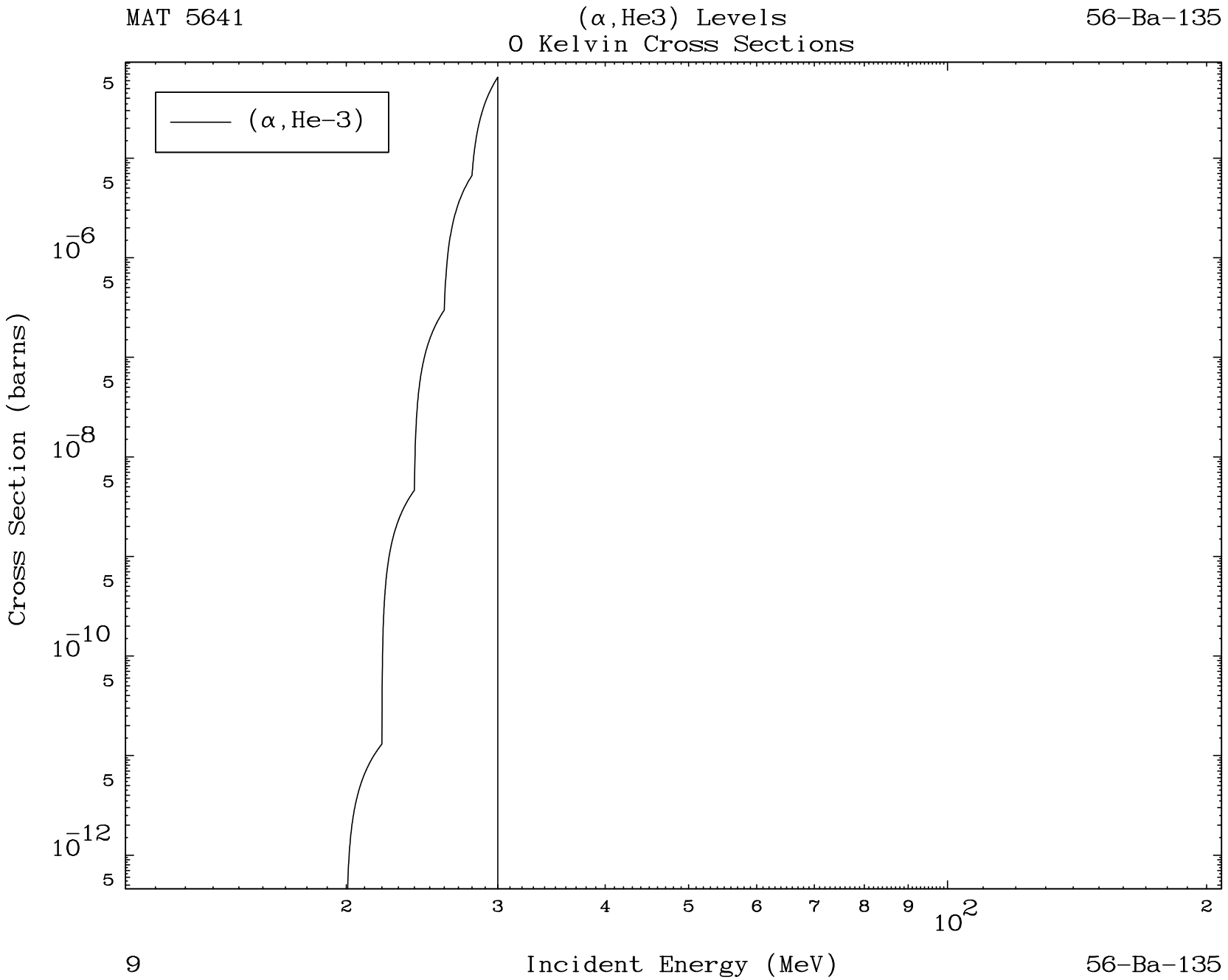

MAT 5641
α Charged Particle
0 Kelvin Cross Sections
56-Ba-135
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
56-Ba-135

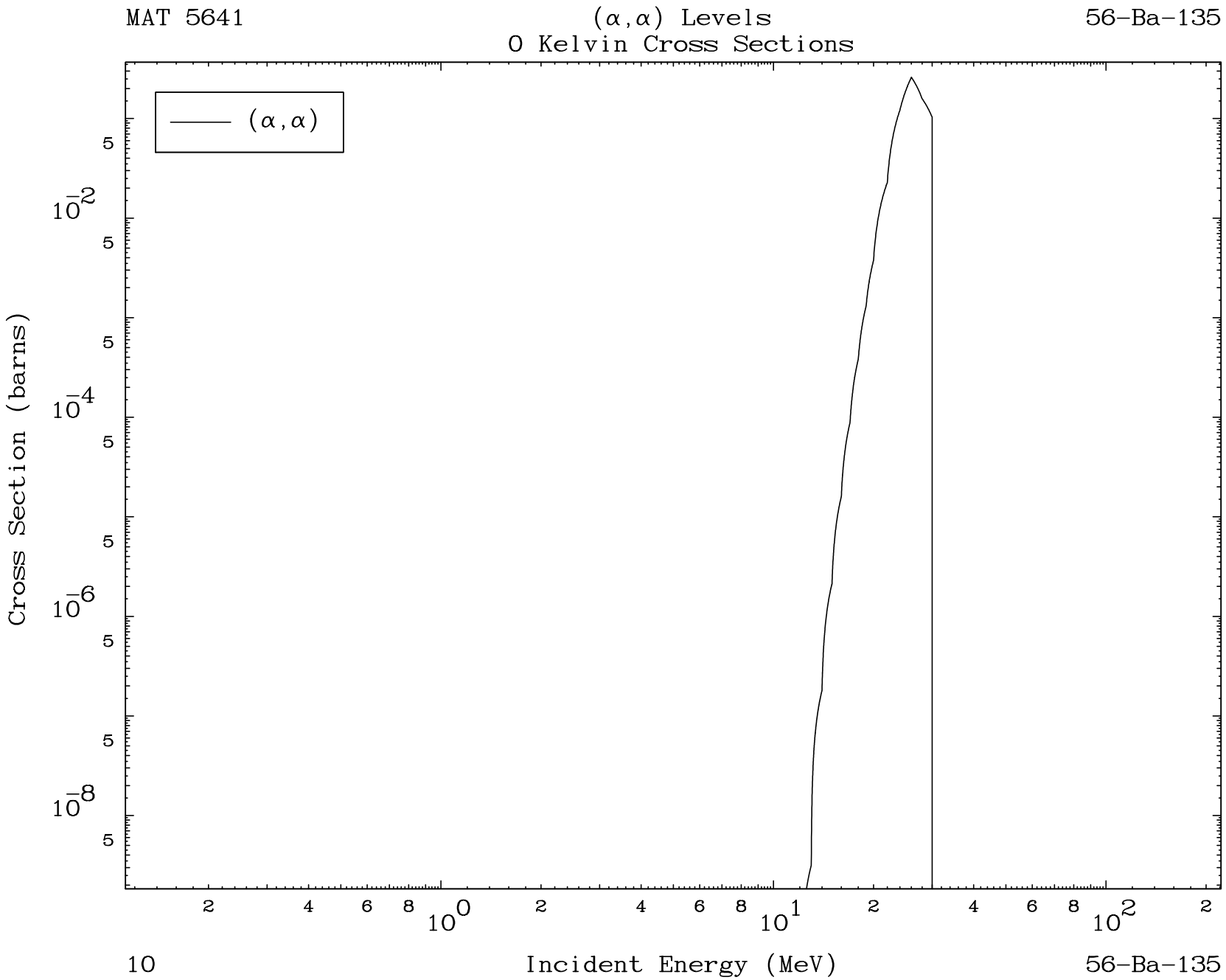

MAT 5641
(α,n') Level
56-Ba-135
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
5
56-Ba-135

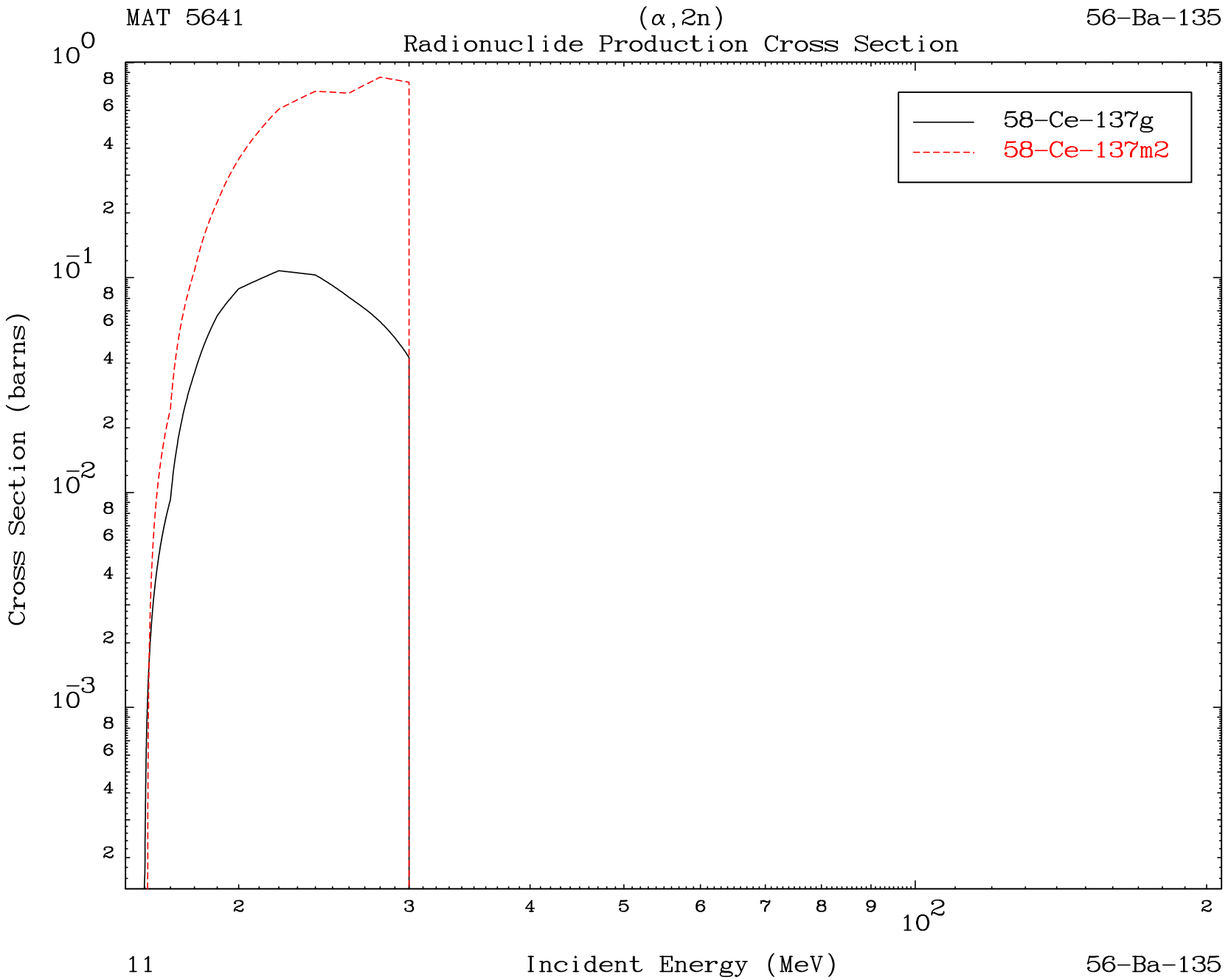

MAT 5641
(α,p) Levels
56-Ba-135
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
6
56-Ba-135

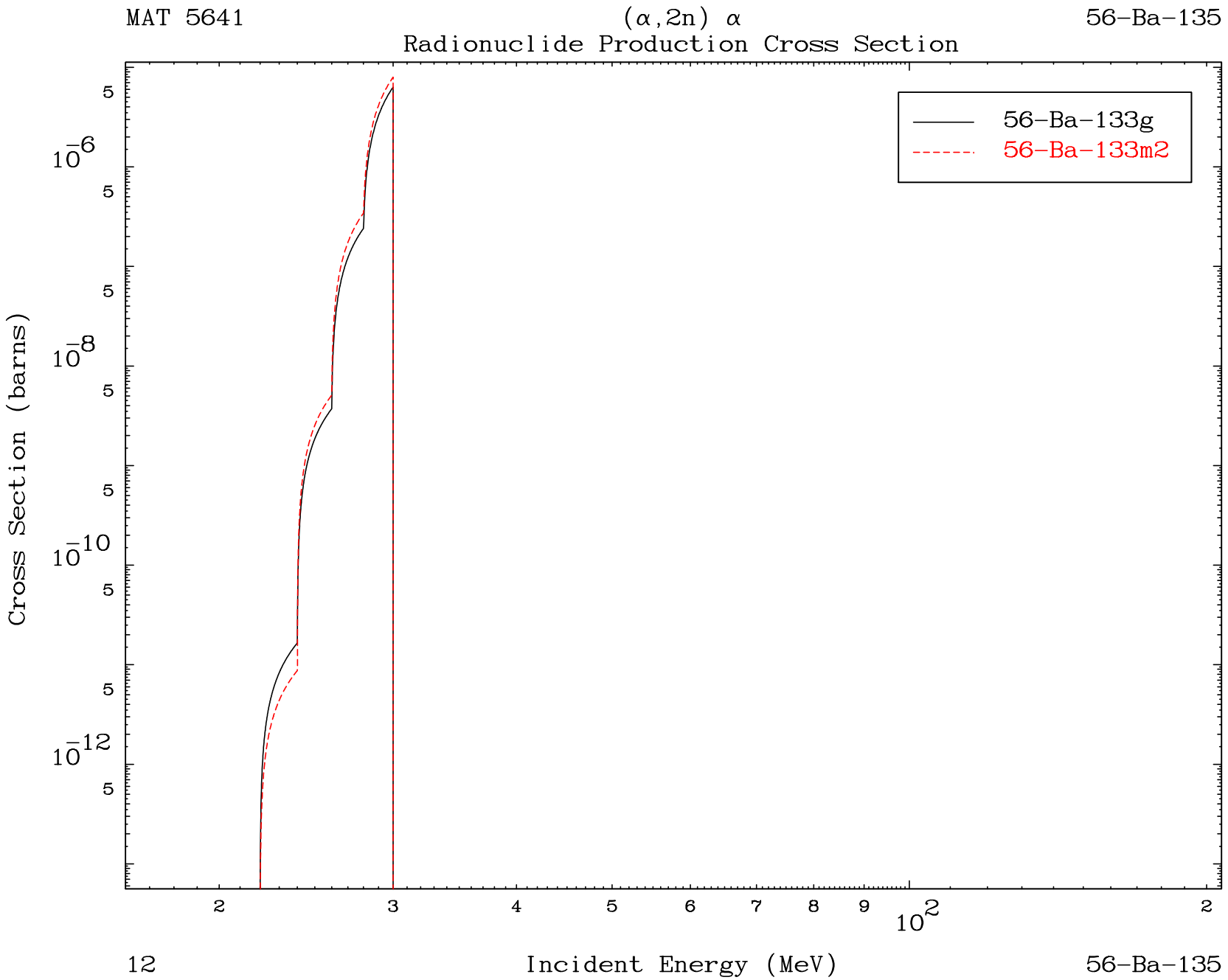

MAT 5641
(α,d) Levels
56-Ba-135
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
56-Ba-135

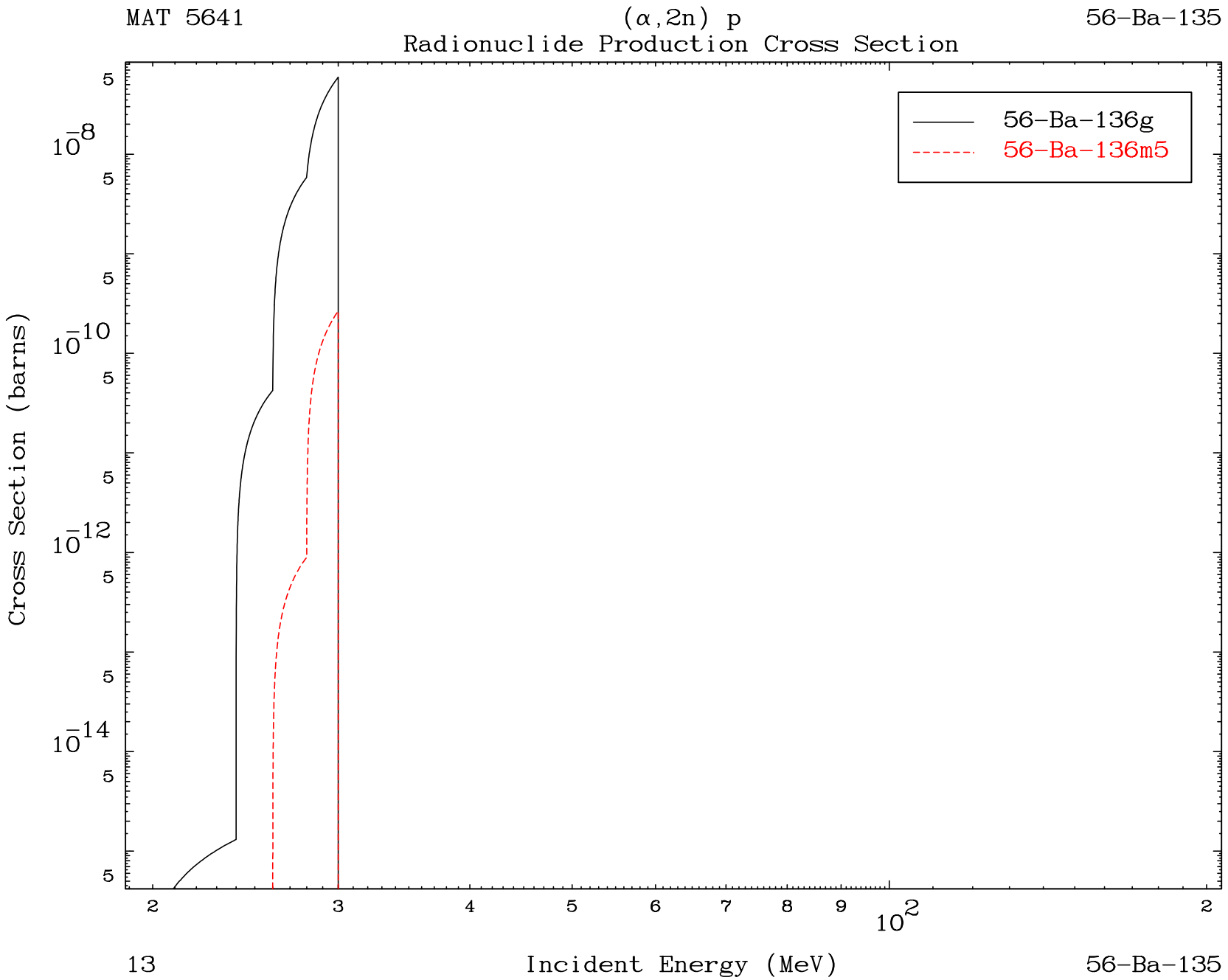

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)

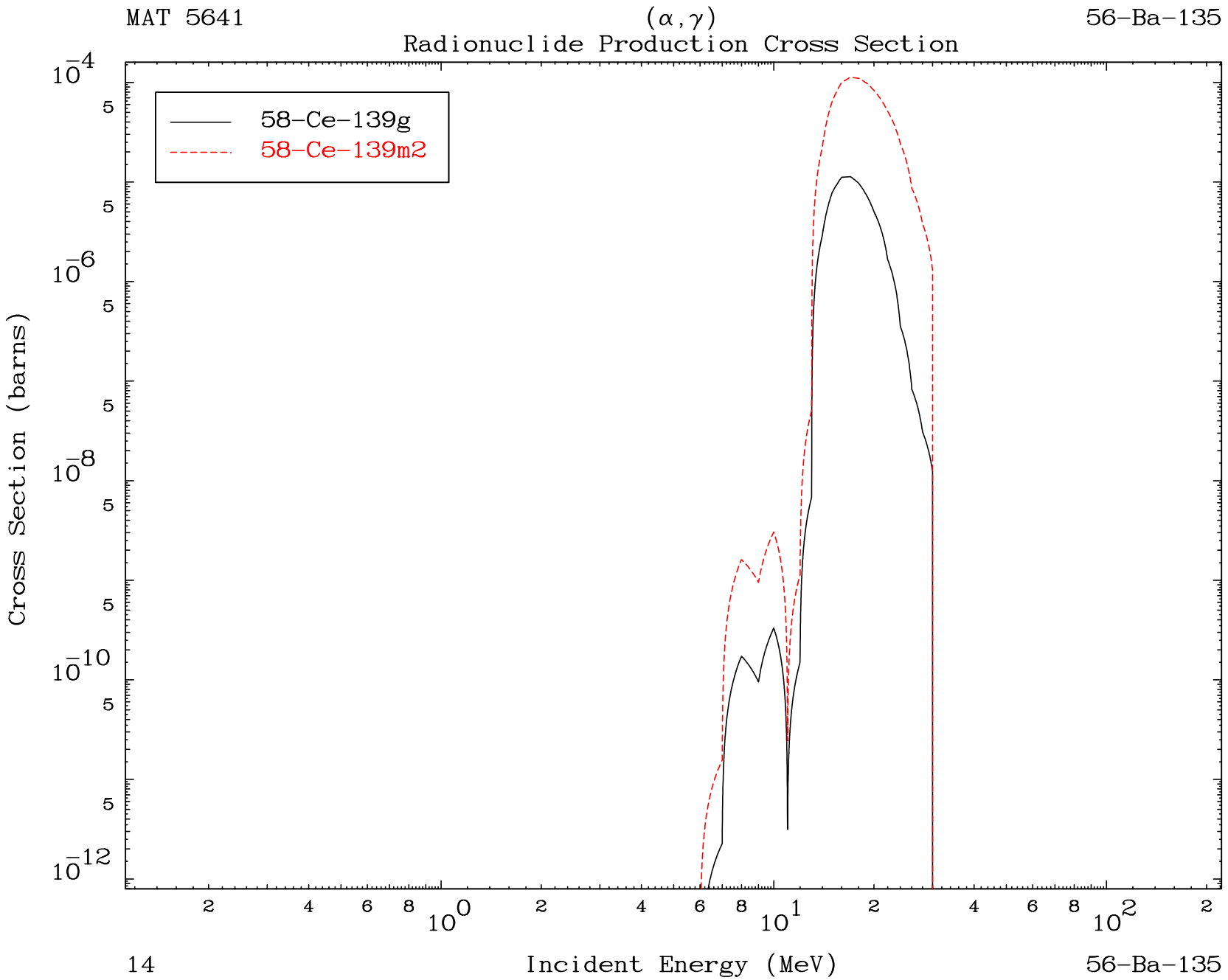

MAT 5641
(α,He3) Levels
56-Ba-135
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
56-Ba-135

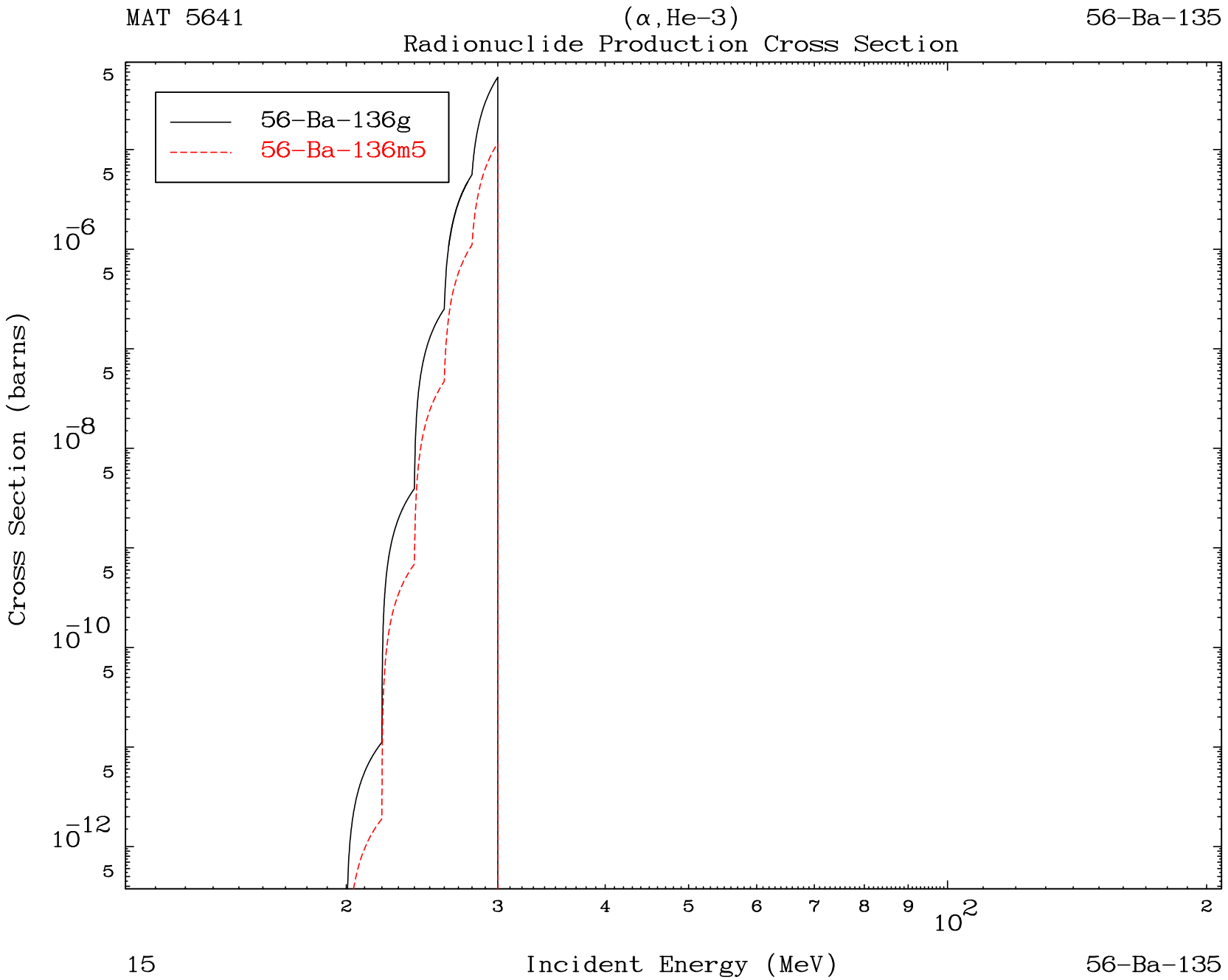

MAT 5641
(α,α) Levels
56-Ba-135
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-135

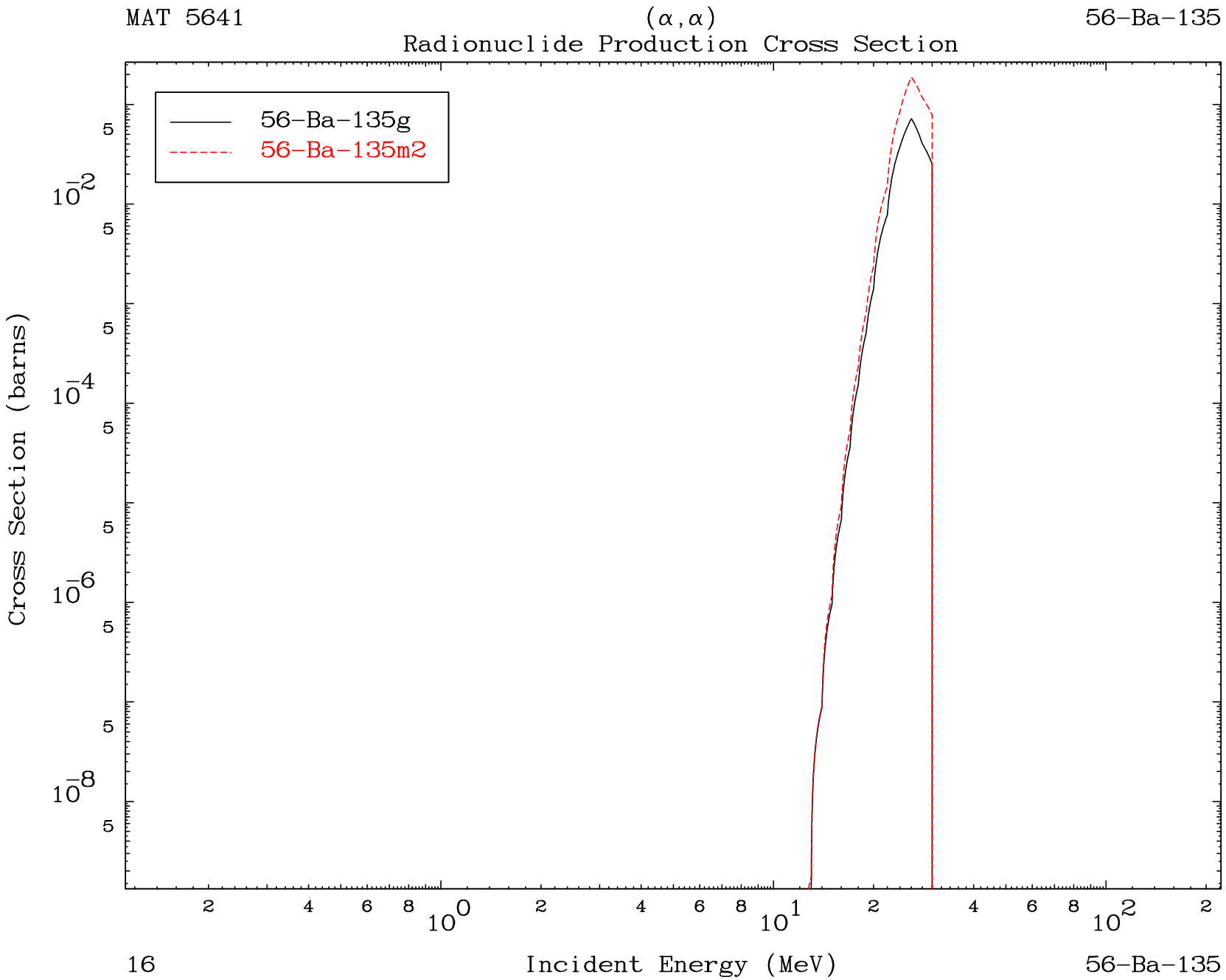

MAT 5641
(α,2n)
56-Ba-135
Radionuclide Production Cross Section
58-Ce-137g
58-Ce-137m2
Cross Section (barns)
Incident Energy (MeV)
11
56-Ba-135

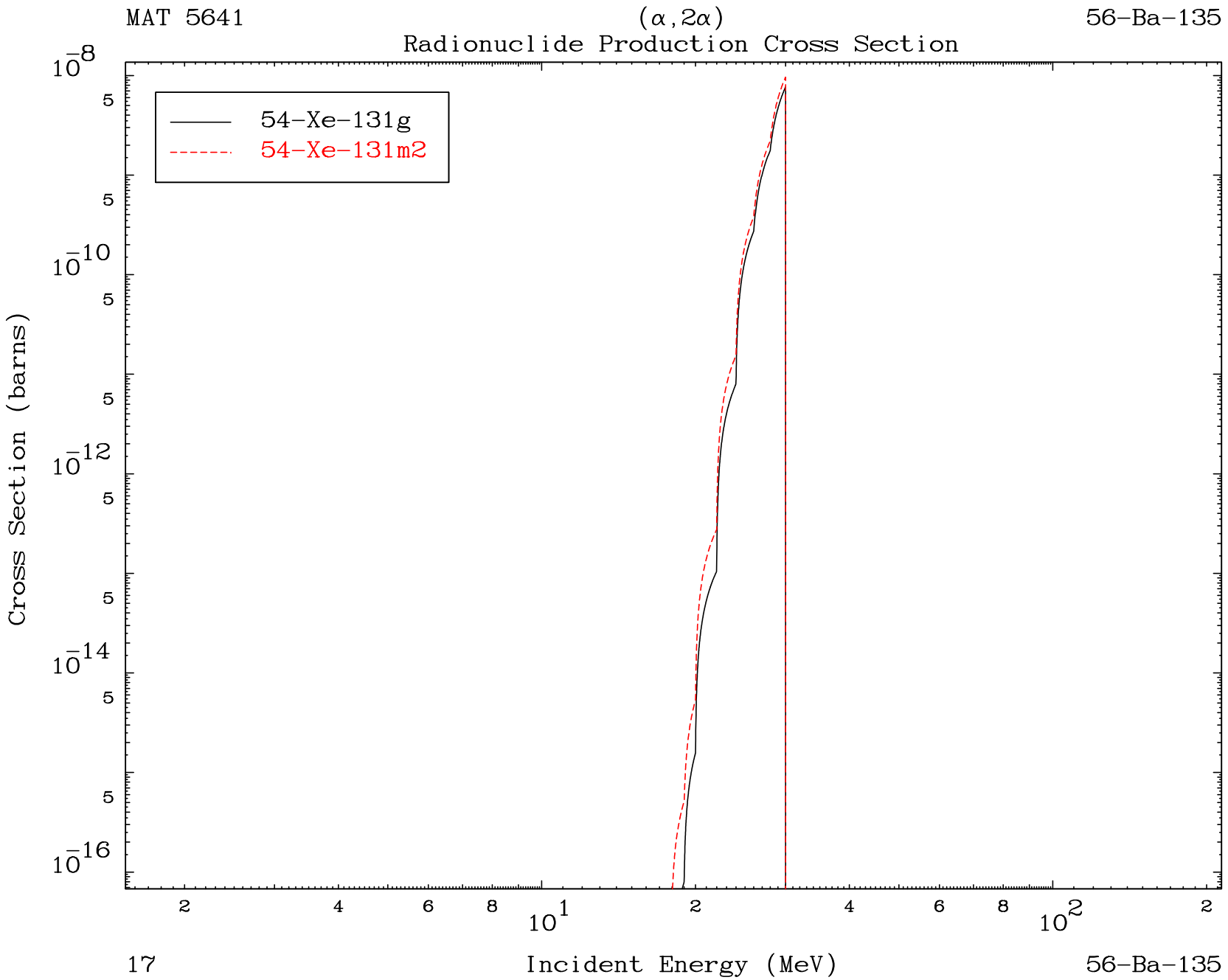

MAT 5641
(α,2n) α
56-Ba-135
Radionuclide Production Cross Section
56-Ba-133g
56-Ba-133m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
12
56-Ba-135

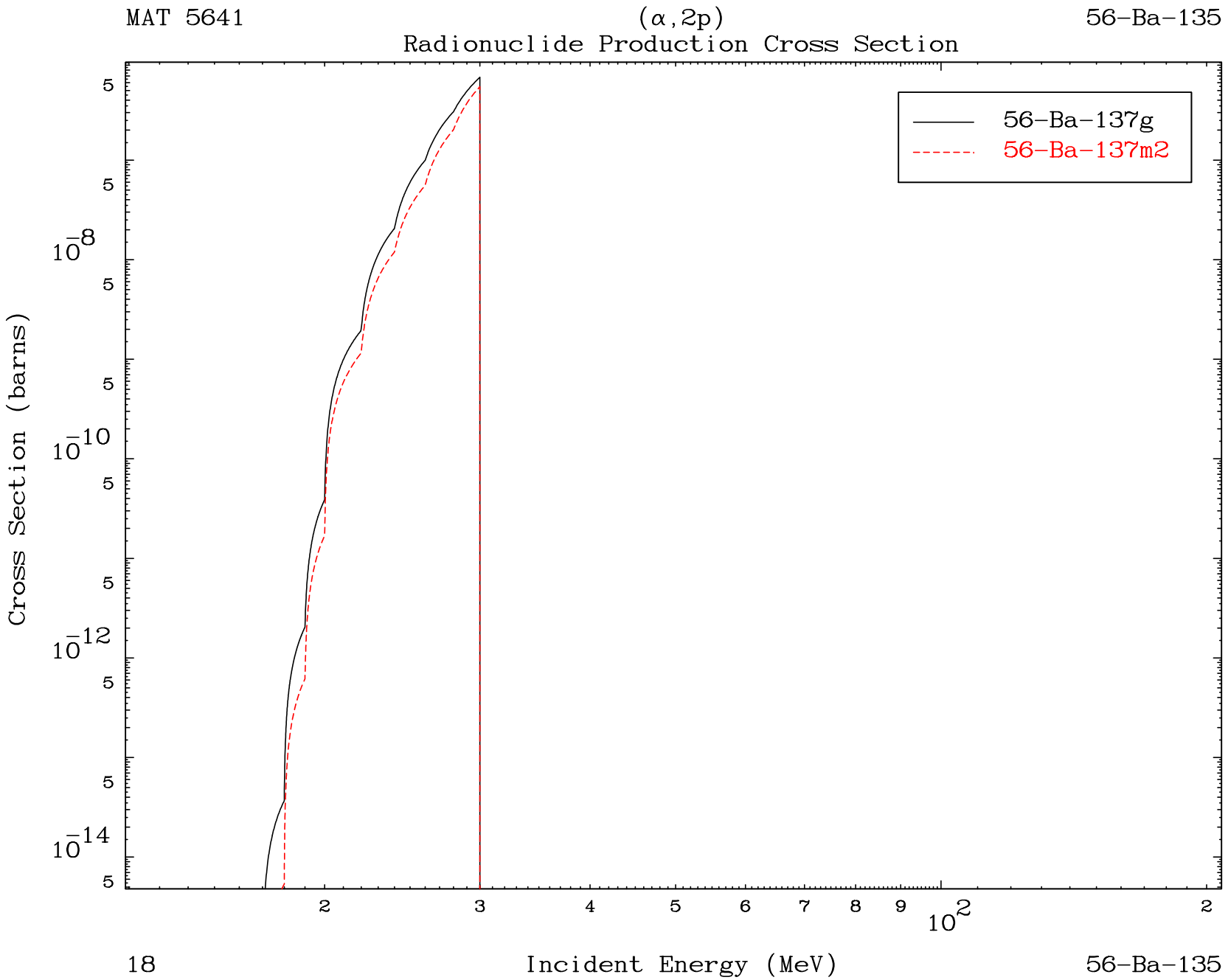

MAT 5641
(α,2n) p
56-Ba-135
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
56-Ba-135

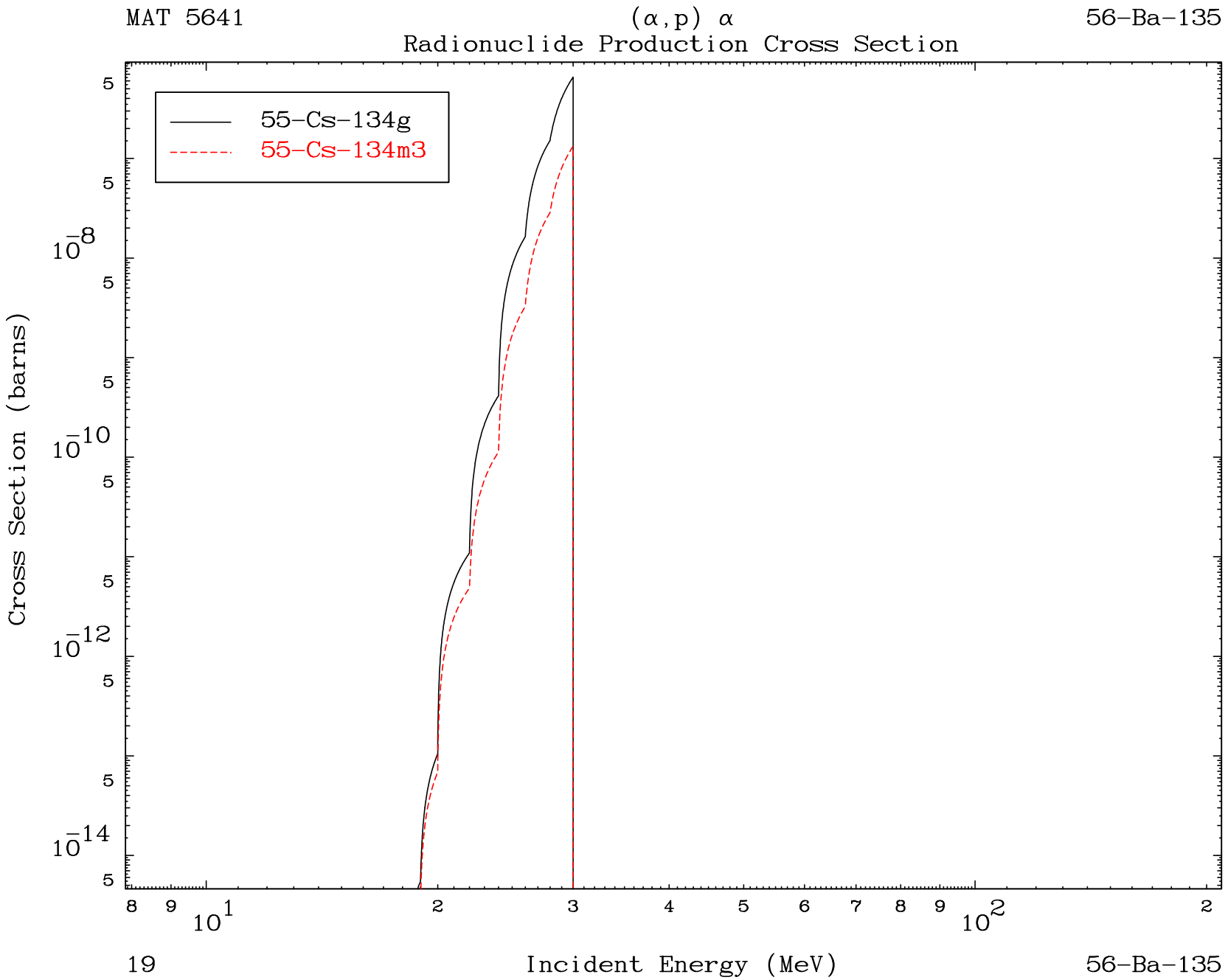

MAT 5641
(α,γ)
56-Ba-135
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
Incident Energy (MeV)
14
56-Ba-135

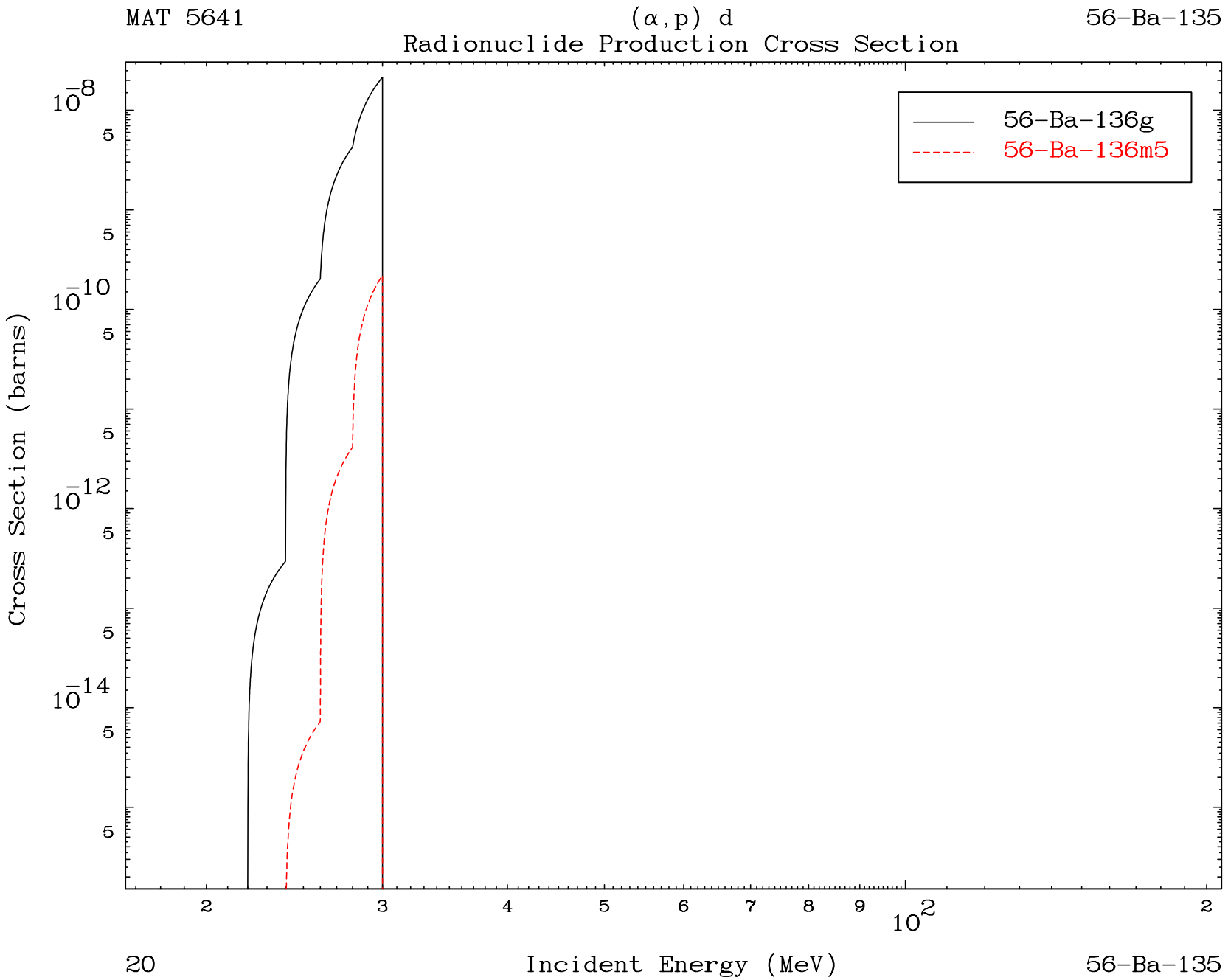

MAT 5641
(α,He-3)
56-Ba-135
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
Incident Energy (MeV)
15
56-Ba-135


MAT 5641
(α,α)
56-Ba-135
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
Incident Energy (MeV)
16
56-Ba-135


MAT 5641
(α,2α)
56-Ba-135
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
Incident Energy (MeV)
17
56-Ba-135


MAT 5641
(α,2p)
56-Ba-135
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
18
56-Ba-135


MAT 5641
(α,p) α
56-Ba-135
Radionuclide Production Cross Section
55-Cs-134g
55-Cs-134m3
Cross Section (barns)
Incident Energy (MeV)
19
56-Ba-135


MAT 5641
(α,p) d
56-Ba-135
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
56-Ba-135