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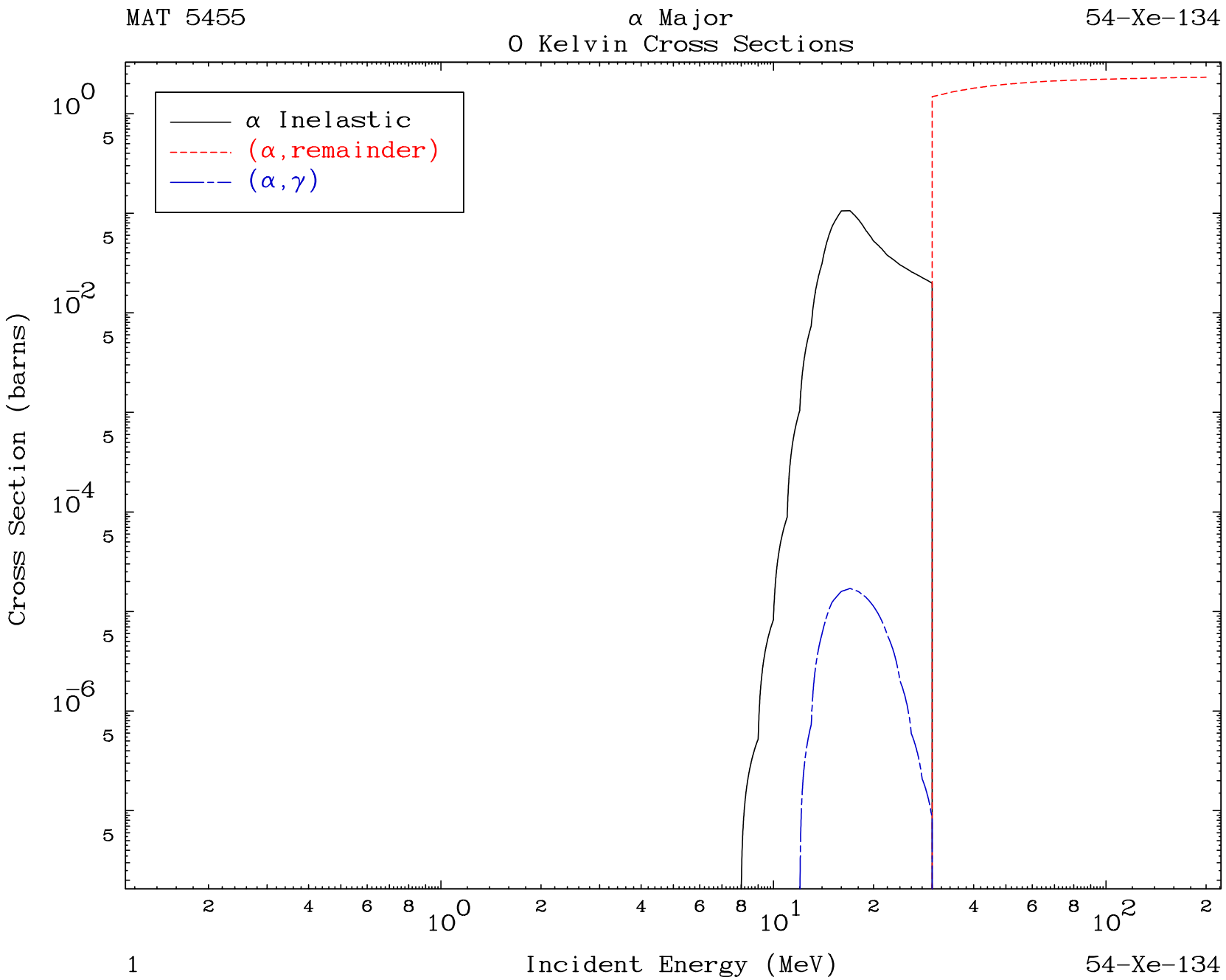
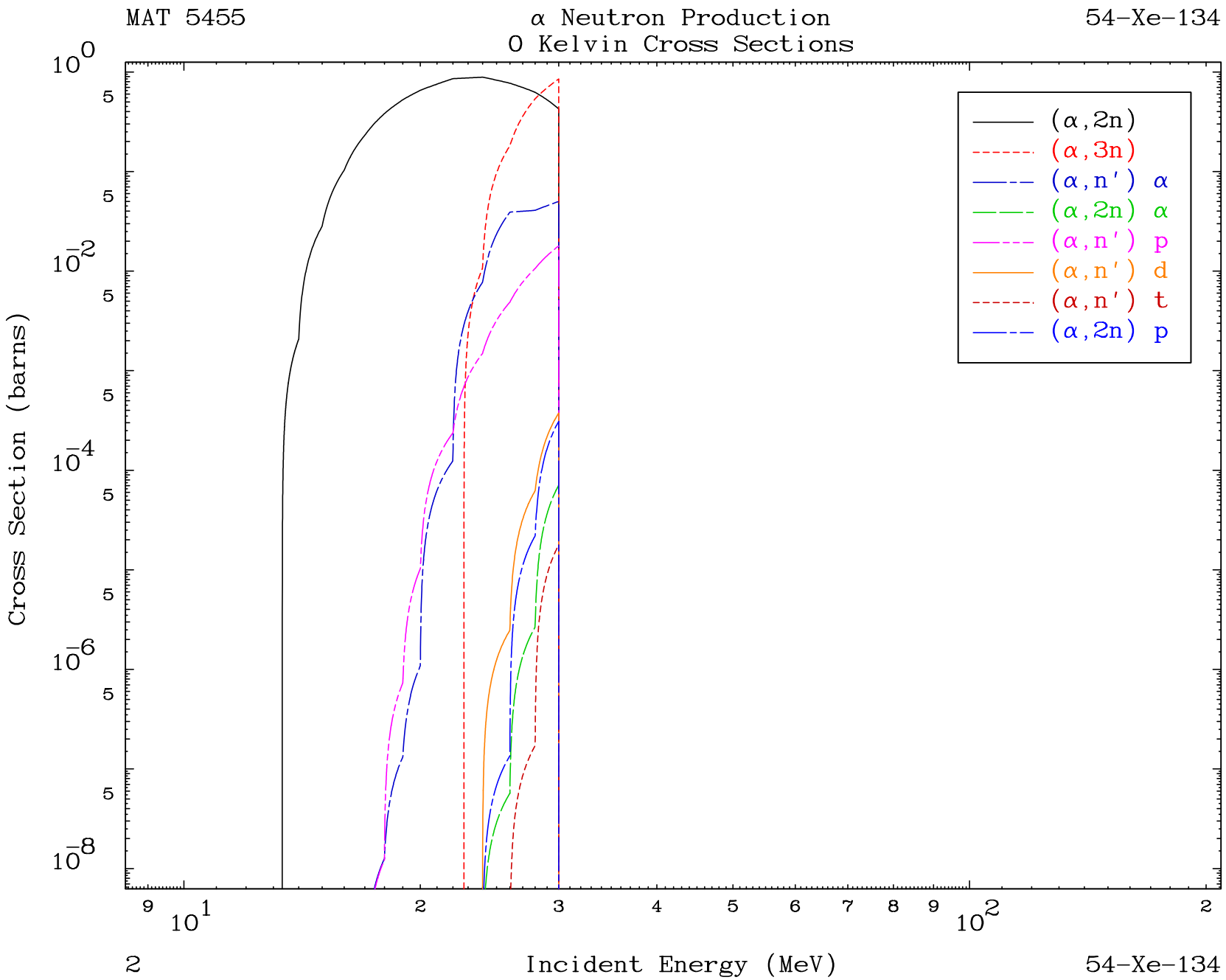
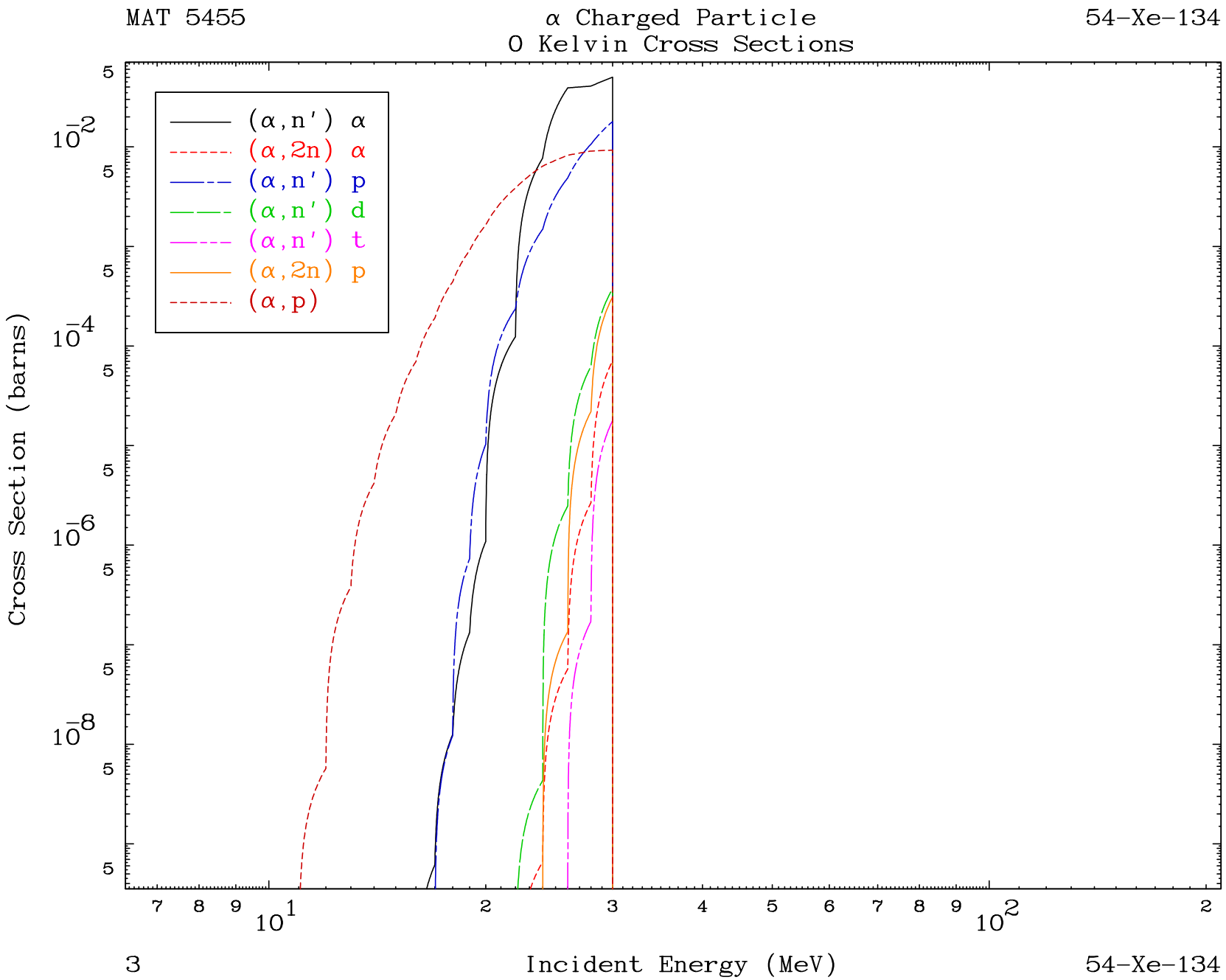
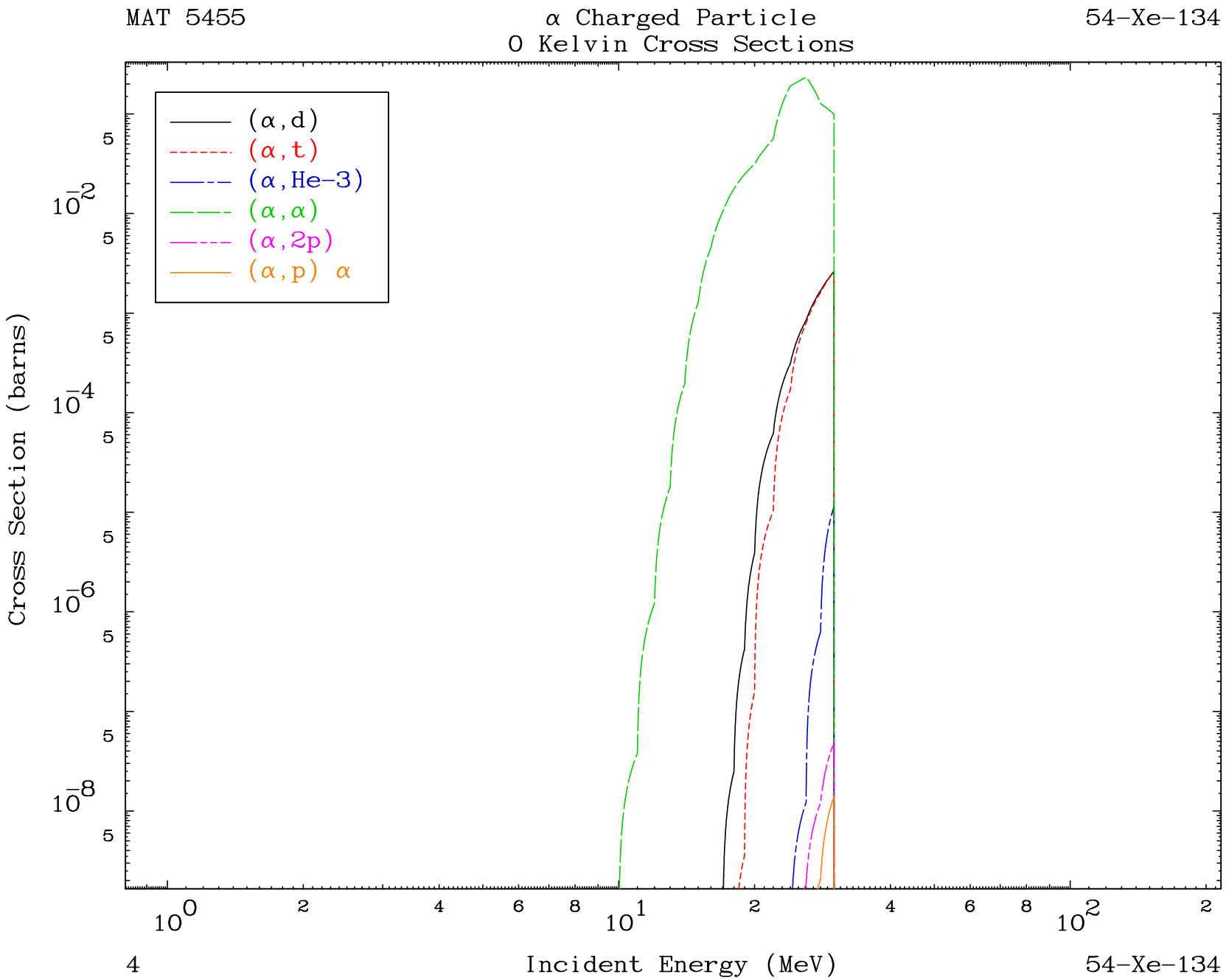
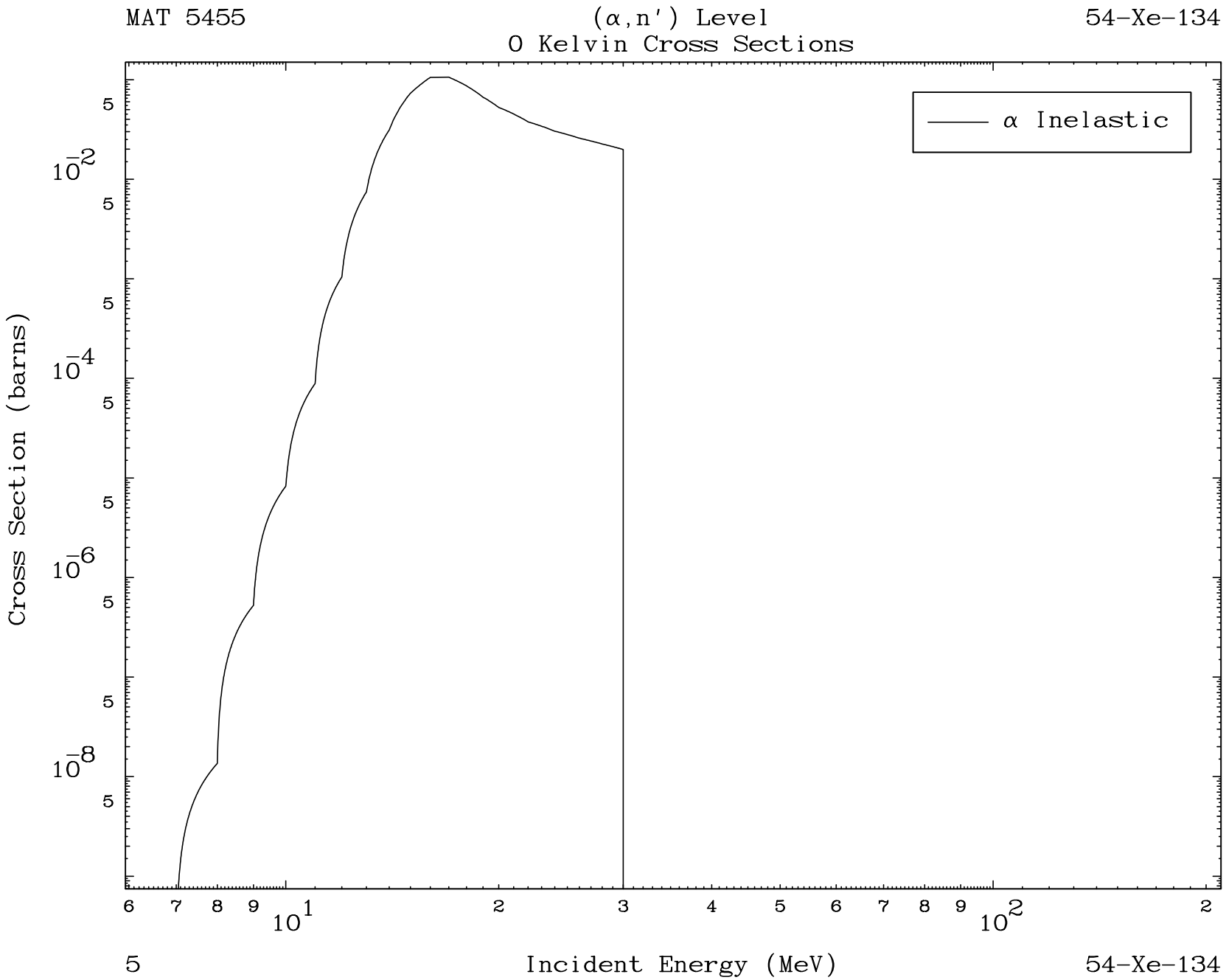
Press Mouse Button to Start

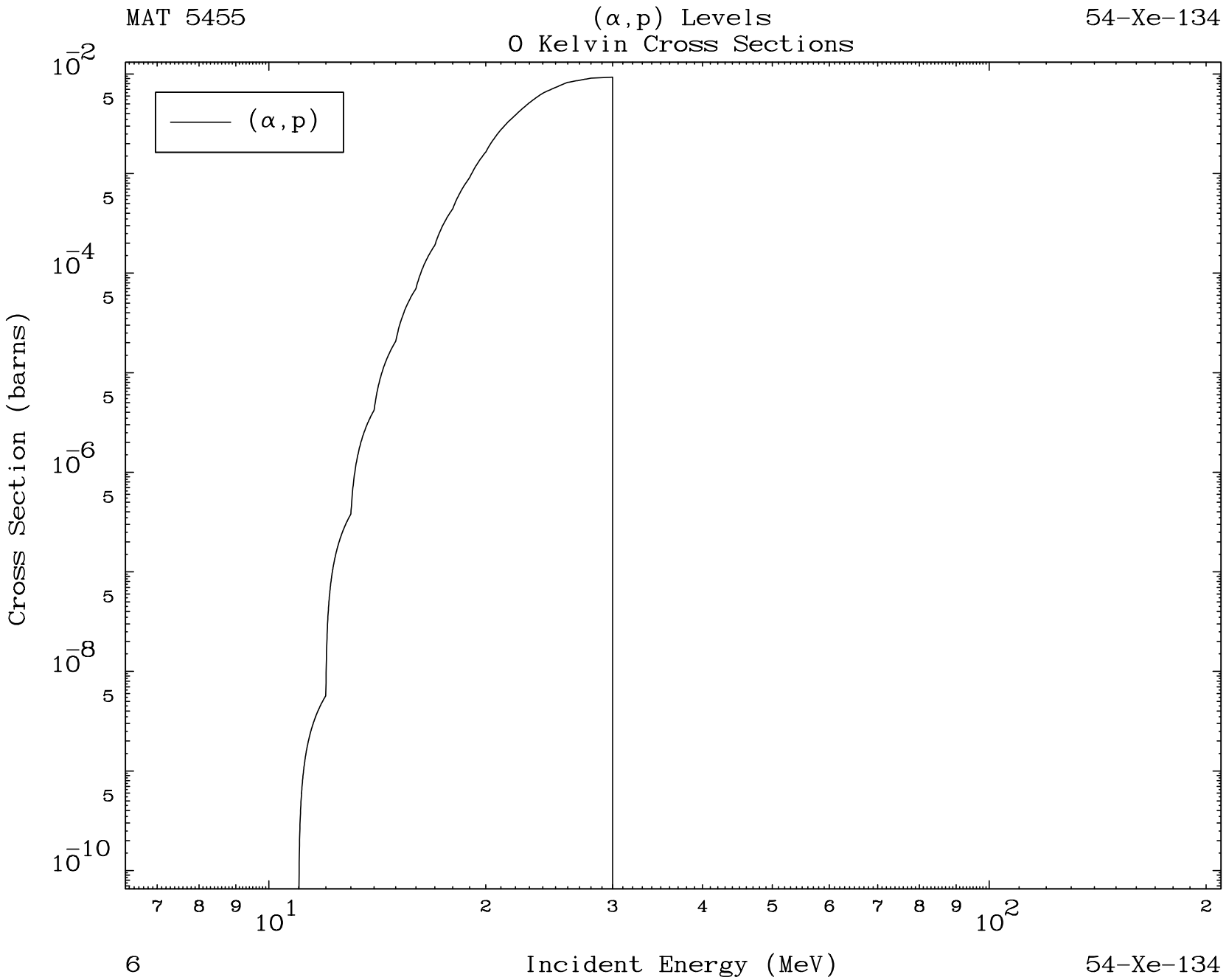

MAT 5455
α Major
54-Xe-134
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
54-Xe-134
1

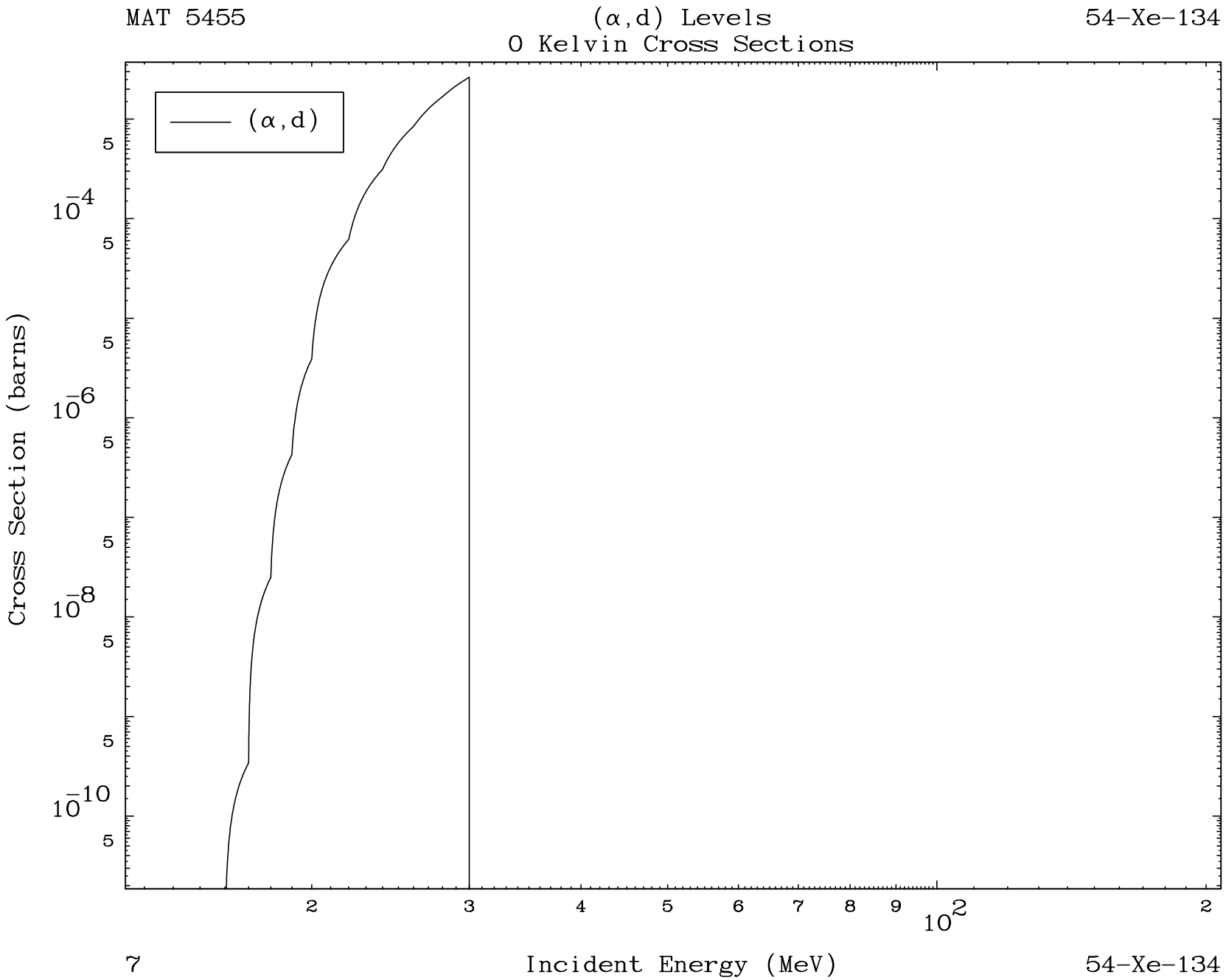

MAT 5455
α Neutron Production
0 Kelvin Cross Sections
54-Xe-134
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p

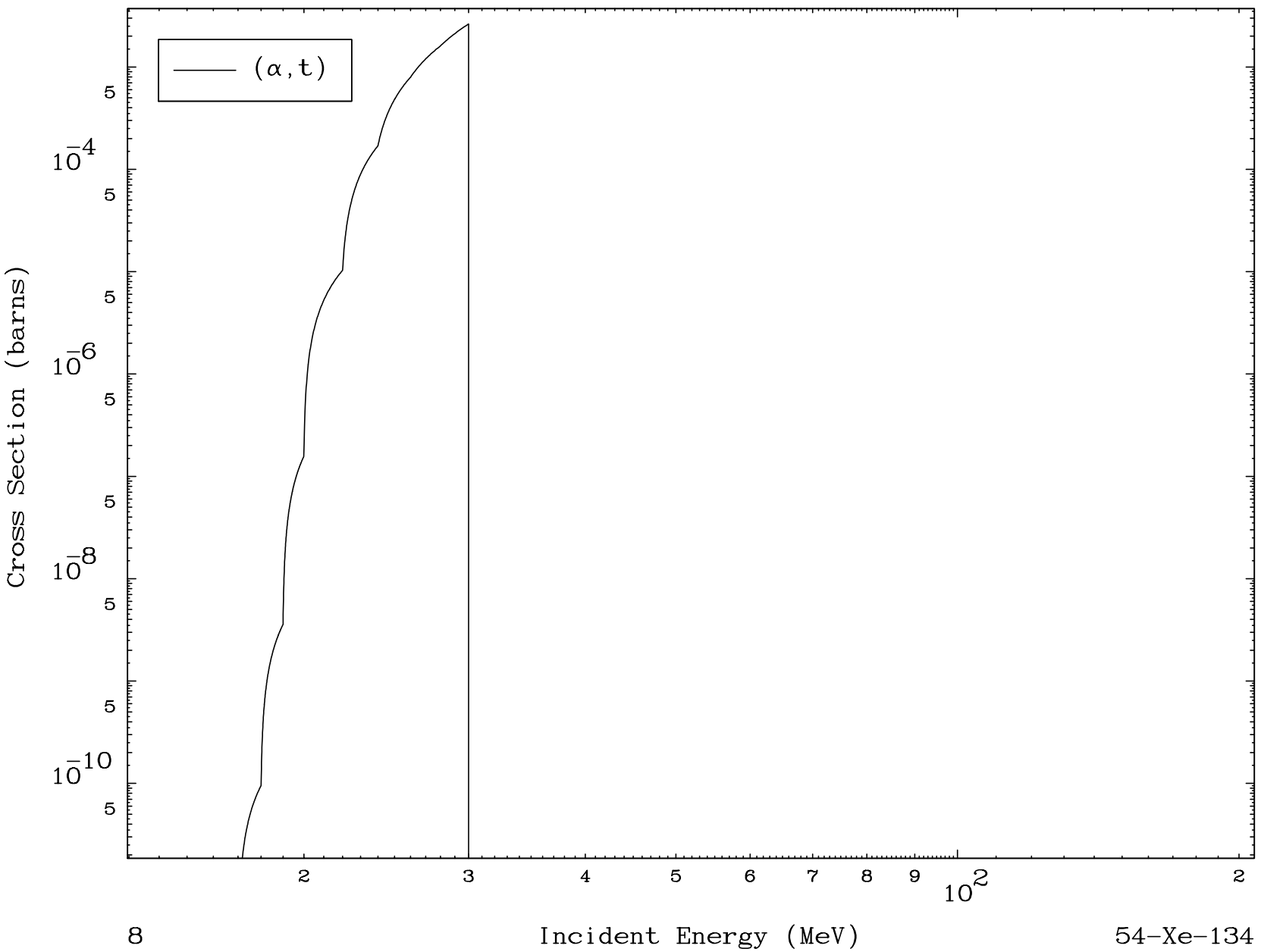

MAT 5455
α Charged Particle
0 Kelvin Cross Sections
54-Xe-134
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
54-Xe-134


MAT 5455
α Charged Particle
0 Kelvin Cross Sections
54-Xe-134
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
54-Xe-134
4

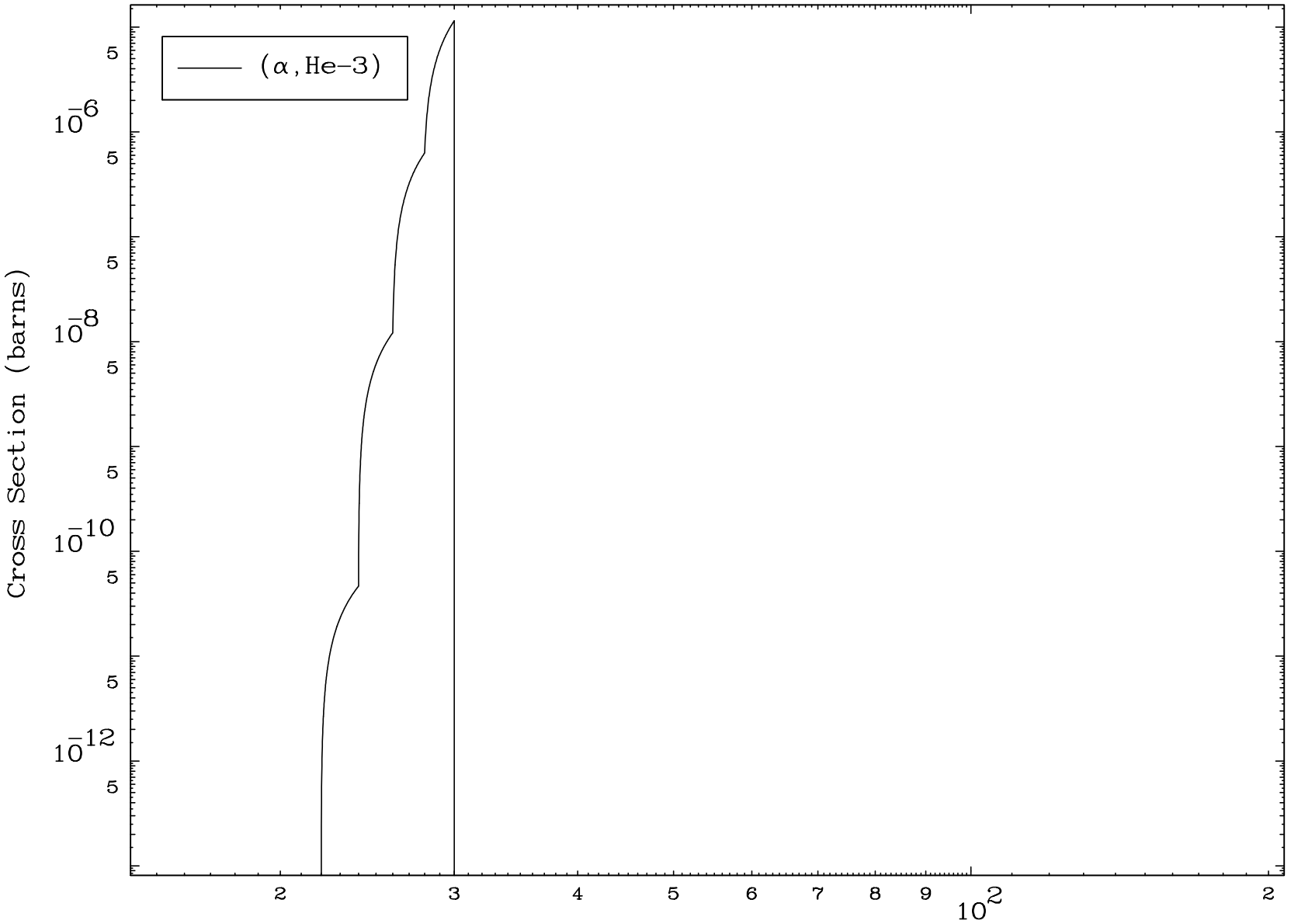

MAT 5455
(α,n') Level
54-Xe-134
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
5
54-Xe-134

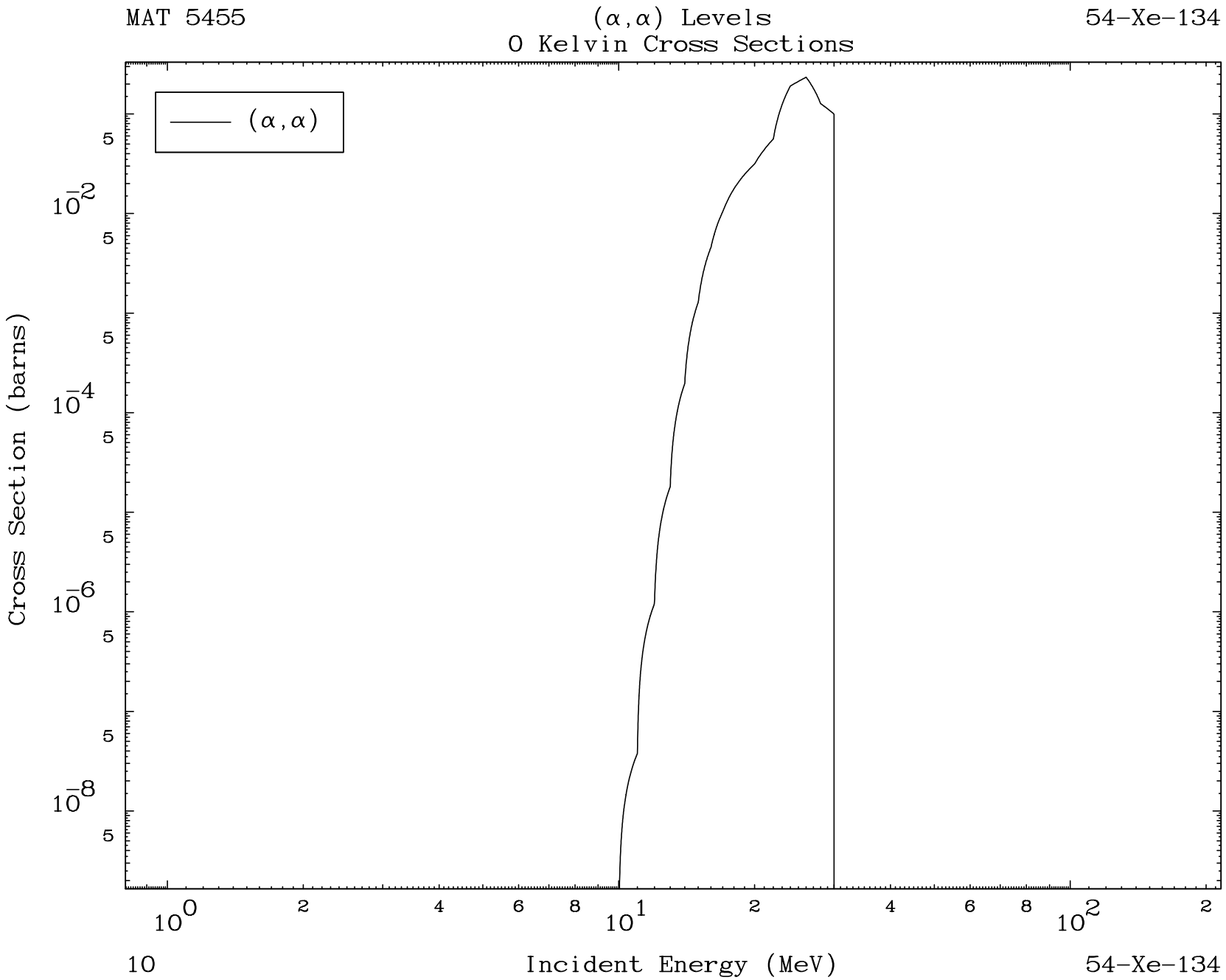

MAT 5455
(α,p) Levels
54-Xe-134
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
54-Xe-134

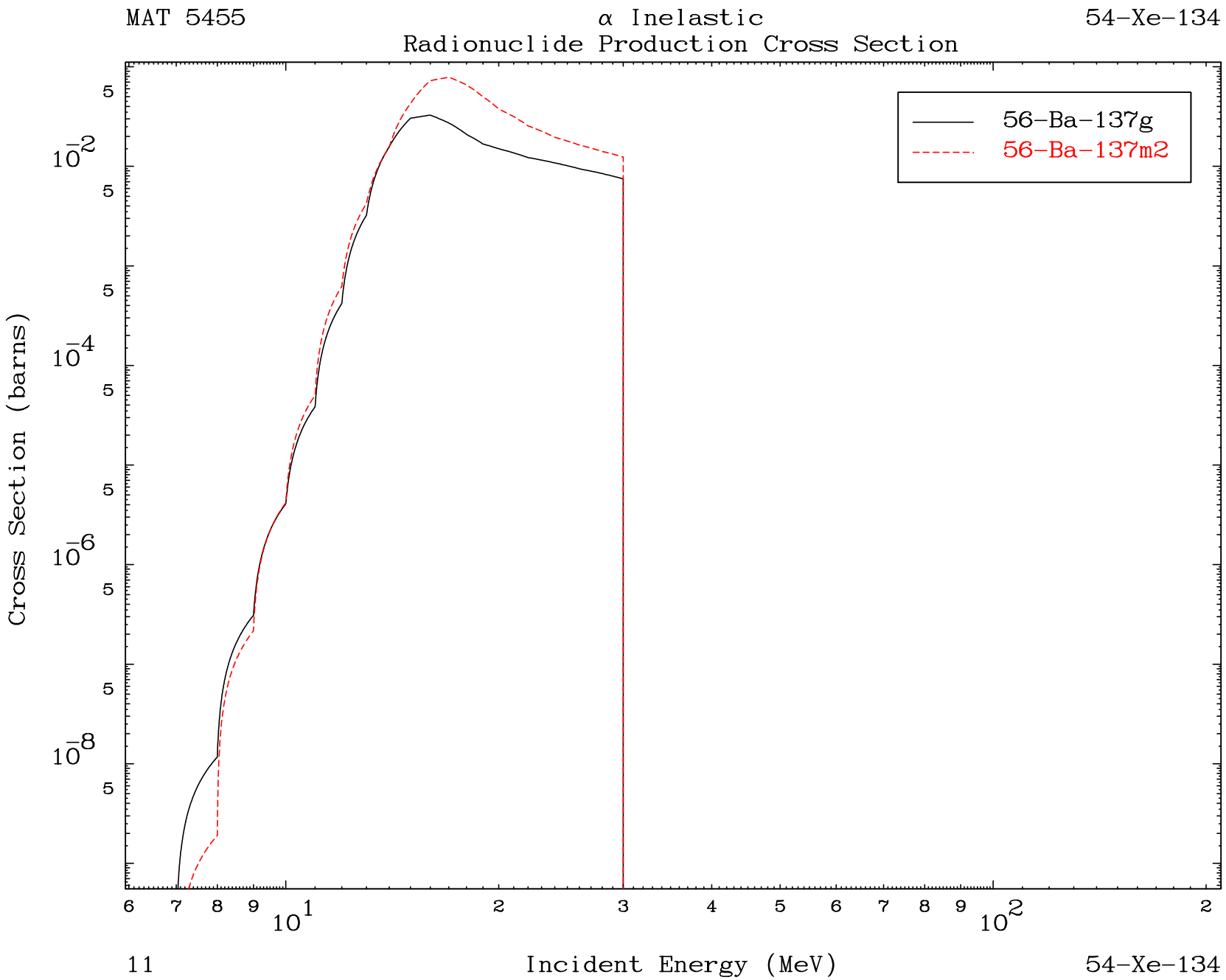

MAT 5455
(α,d) Levels
54-Xe-134
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
54-Xe-134

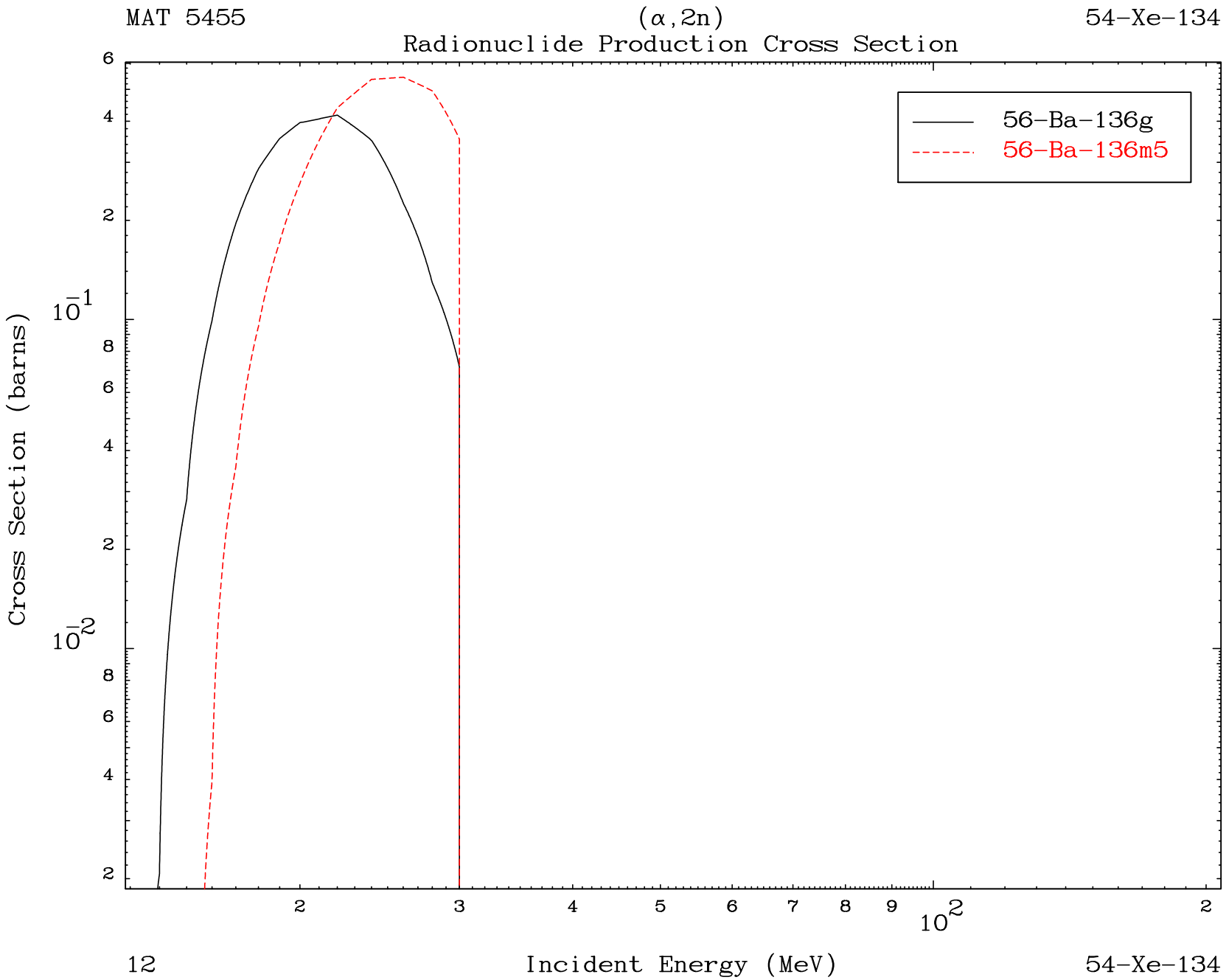

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

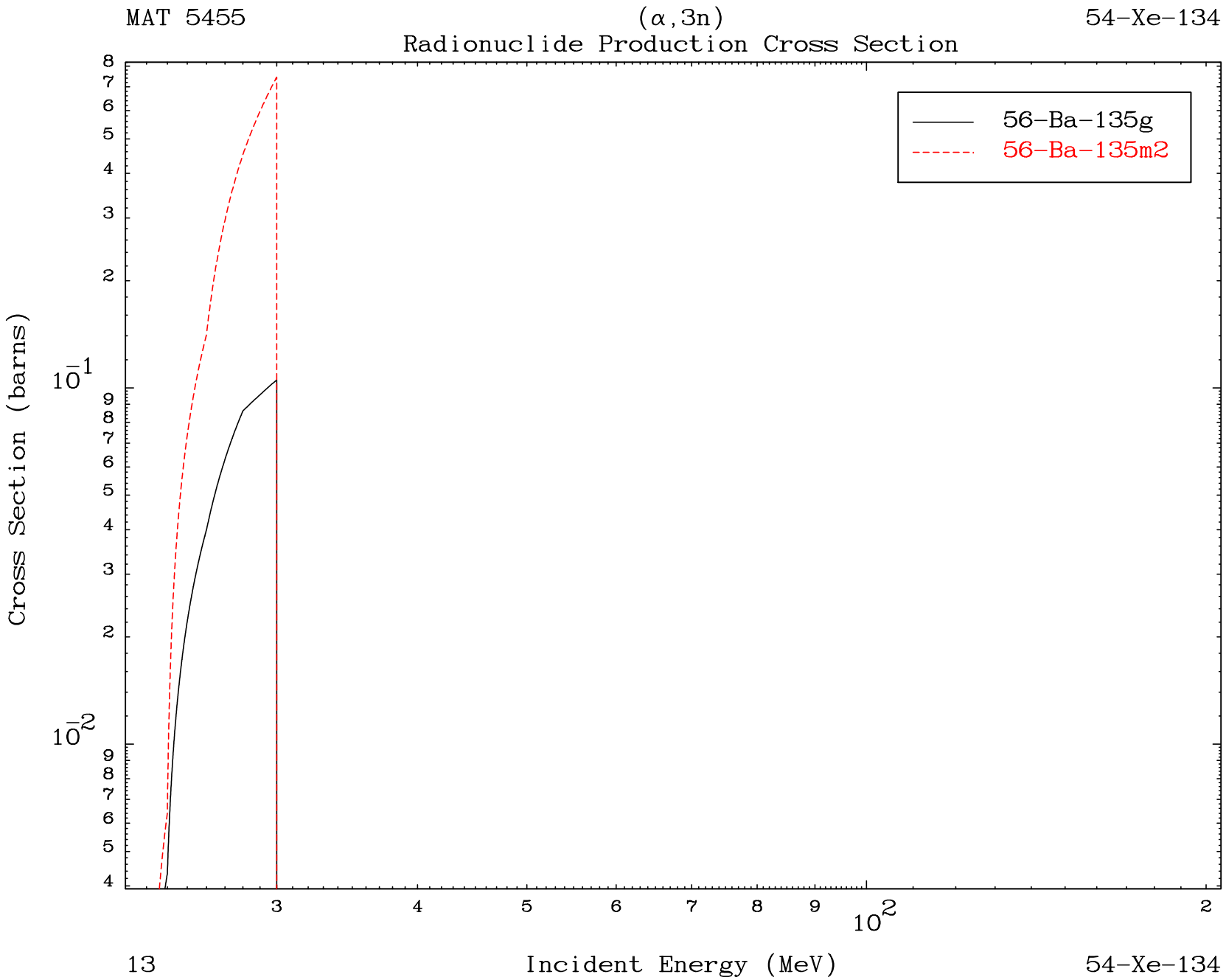
0 Kelvin Cross Sections

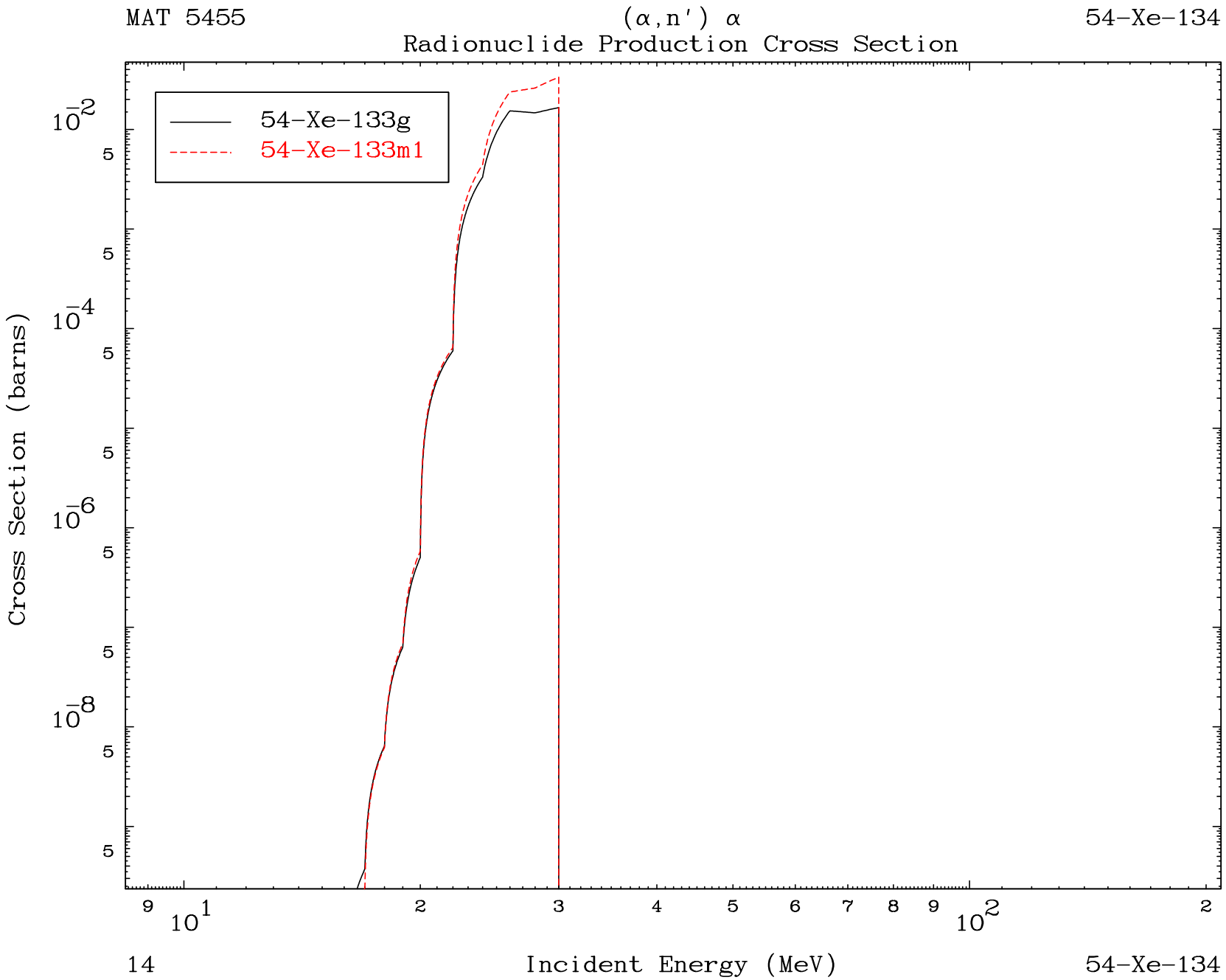


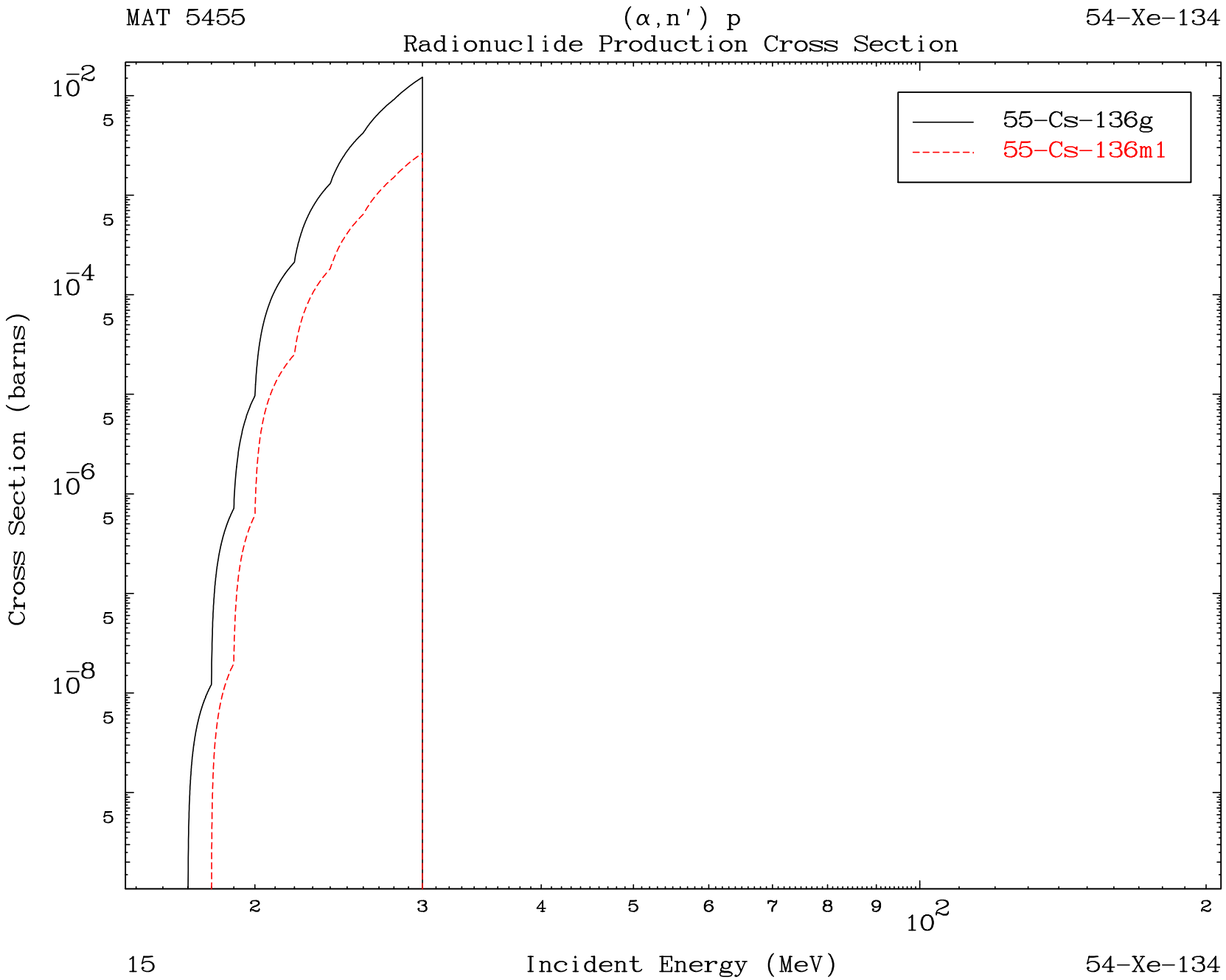

MAT 5455
(α,α) Levels
54-Xe-134
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
54-Xe-134

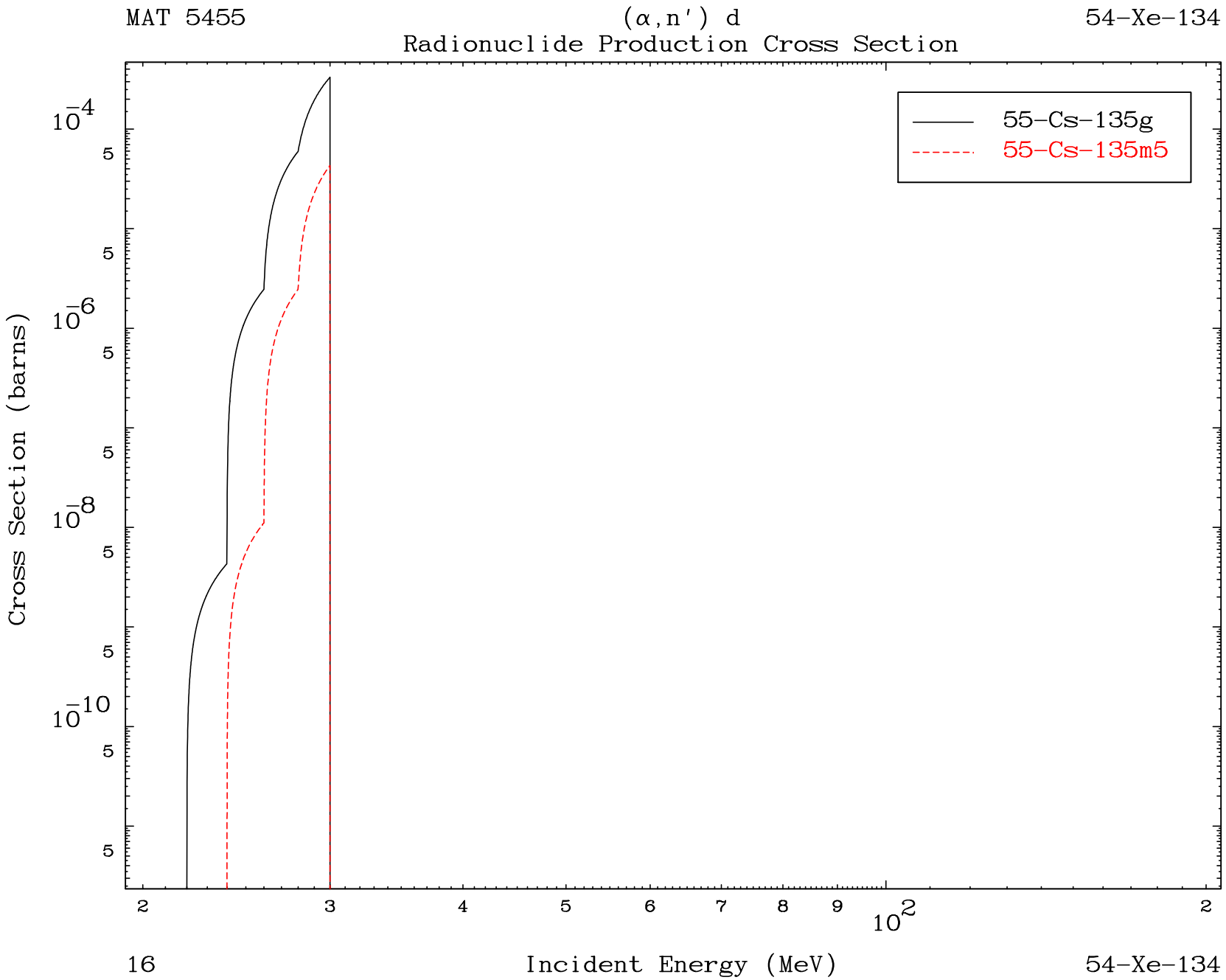

MAT 5455
α Inelastic
54-Xe-134
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
Incident Energy (MeV)
11
54-Xe-134

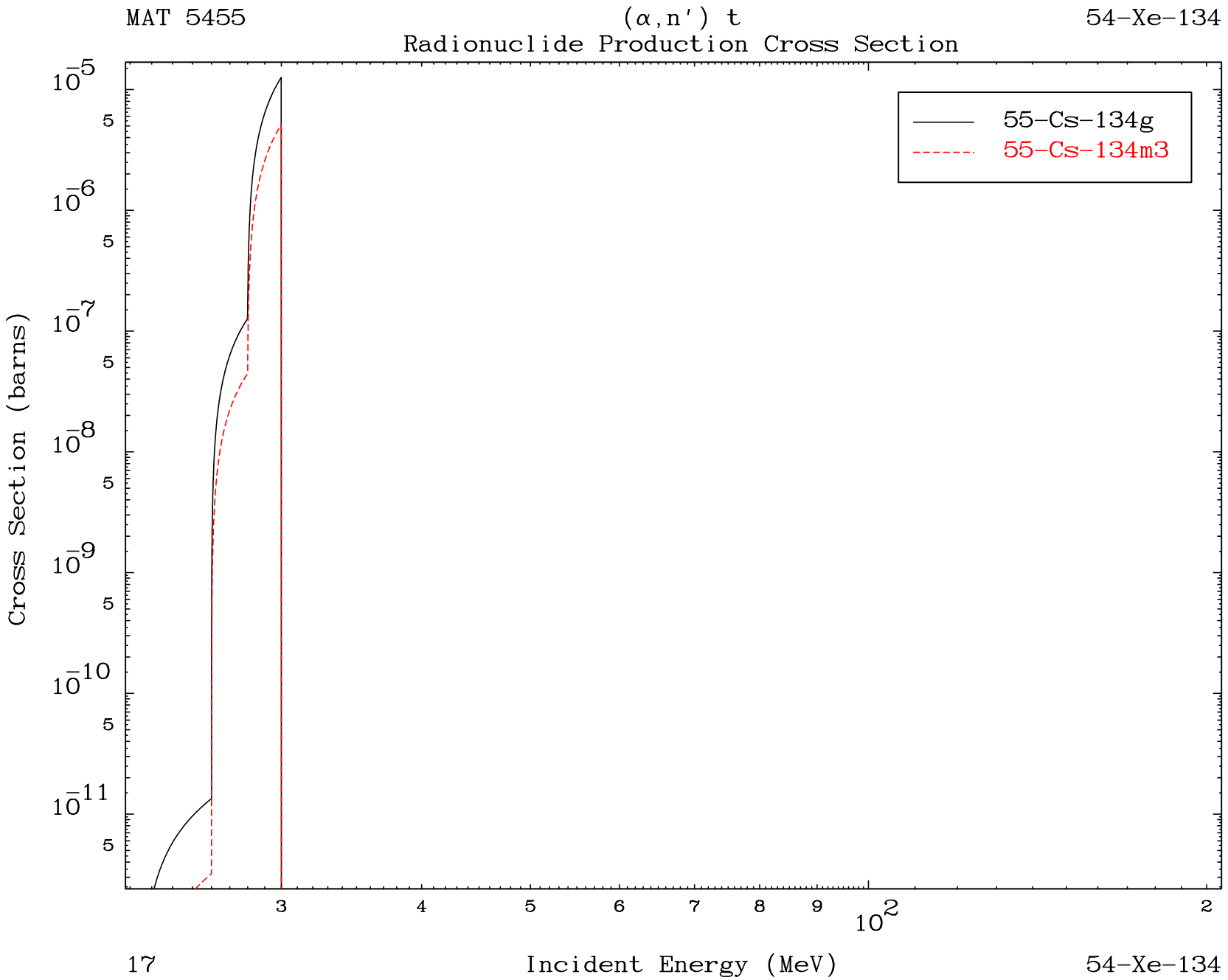

MAT 5455
(α,2n)
54-Xe-134
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
Incident Energy (MeV)
12
54-Xe-134

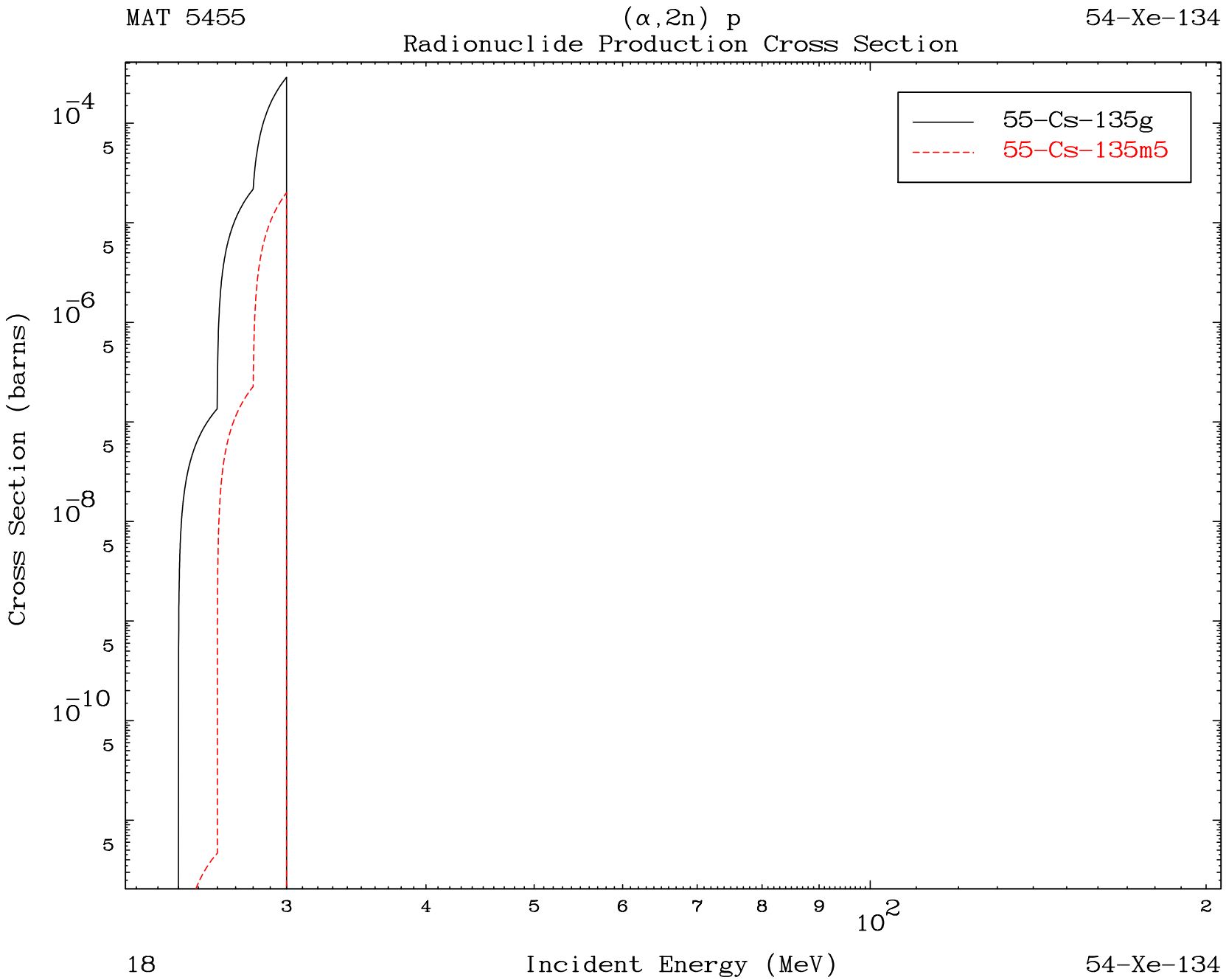

MAT 5455
(α,3n)
54-Xe-134
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
Incident Energy (MeV)
13
54-Xe-134

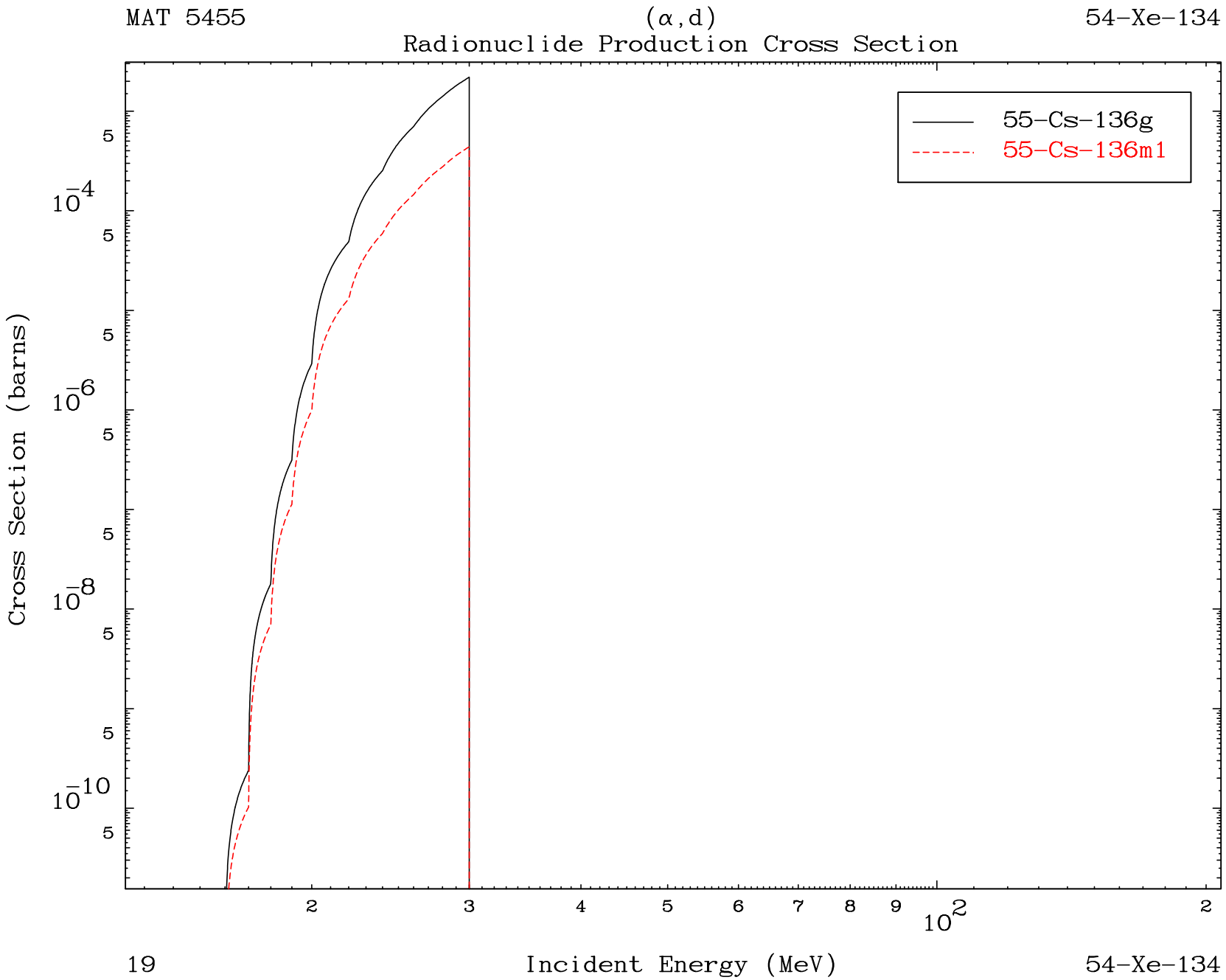

MAT 5455
(α,n') α
54-Xe-134
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
54-Xe-134

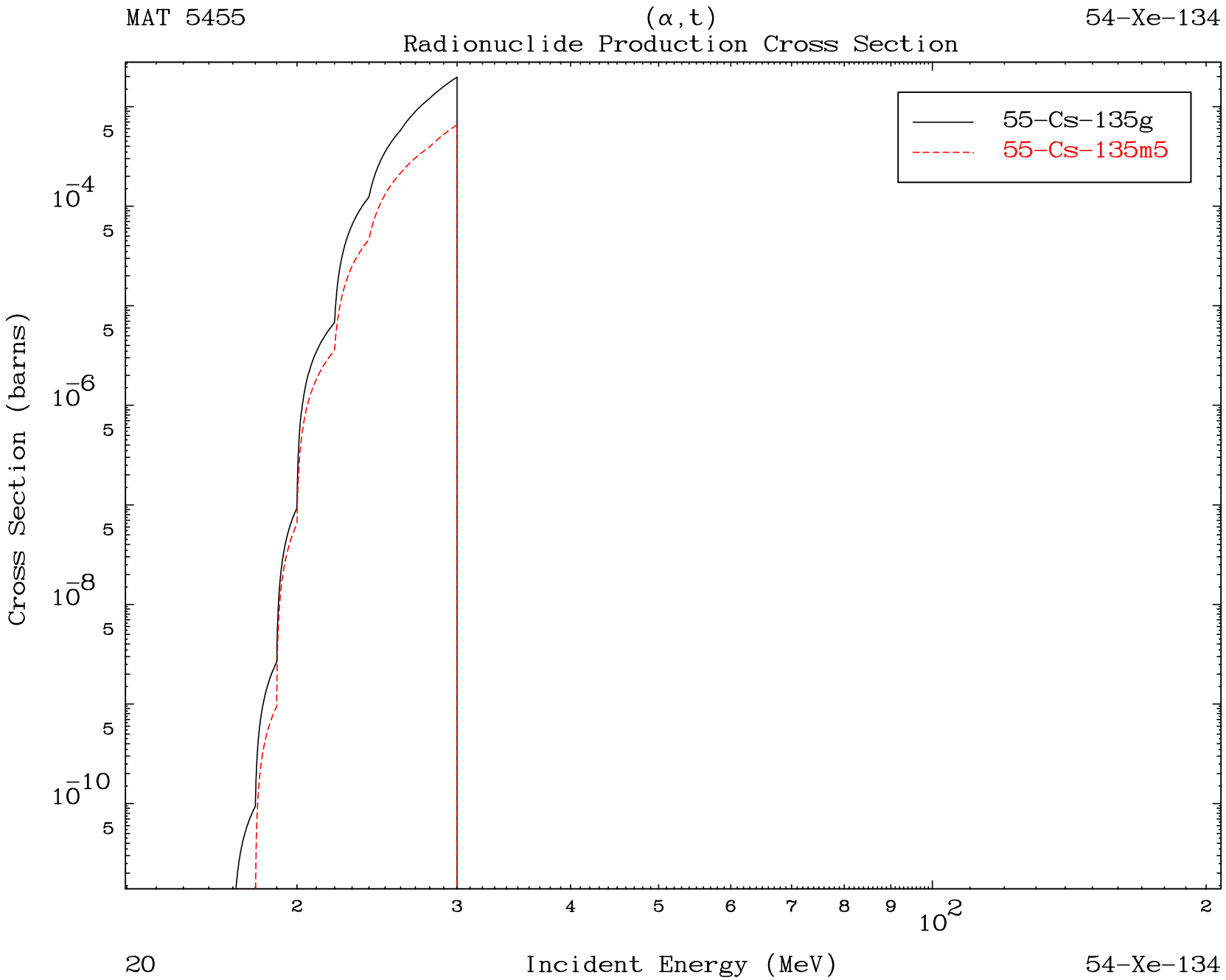

MAT 5455
(α,n') p
54-Xe-134
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
54-Xe-134

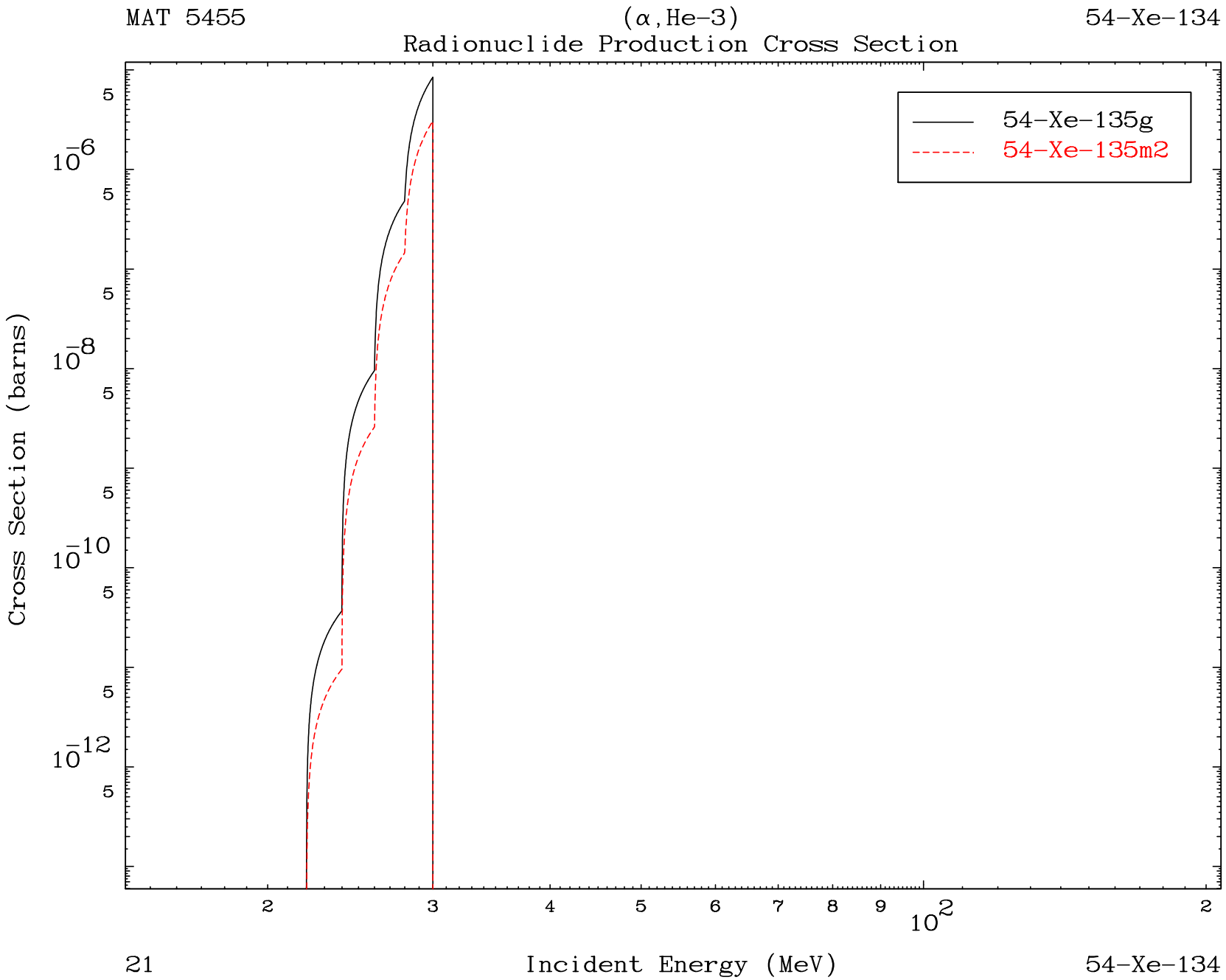

MAT 5455
(α,n') d
54-Xe-134
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m5
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
54-Xe-134

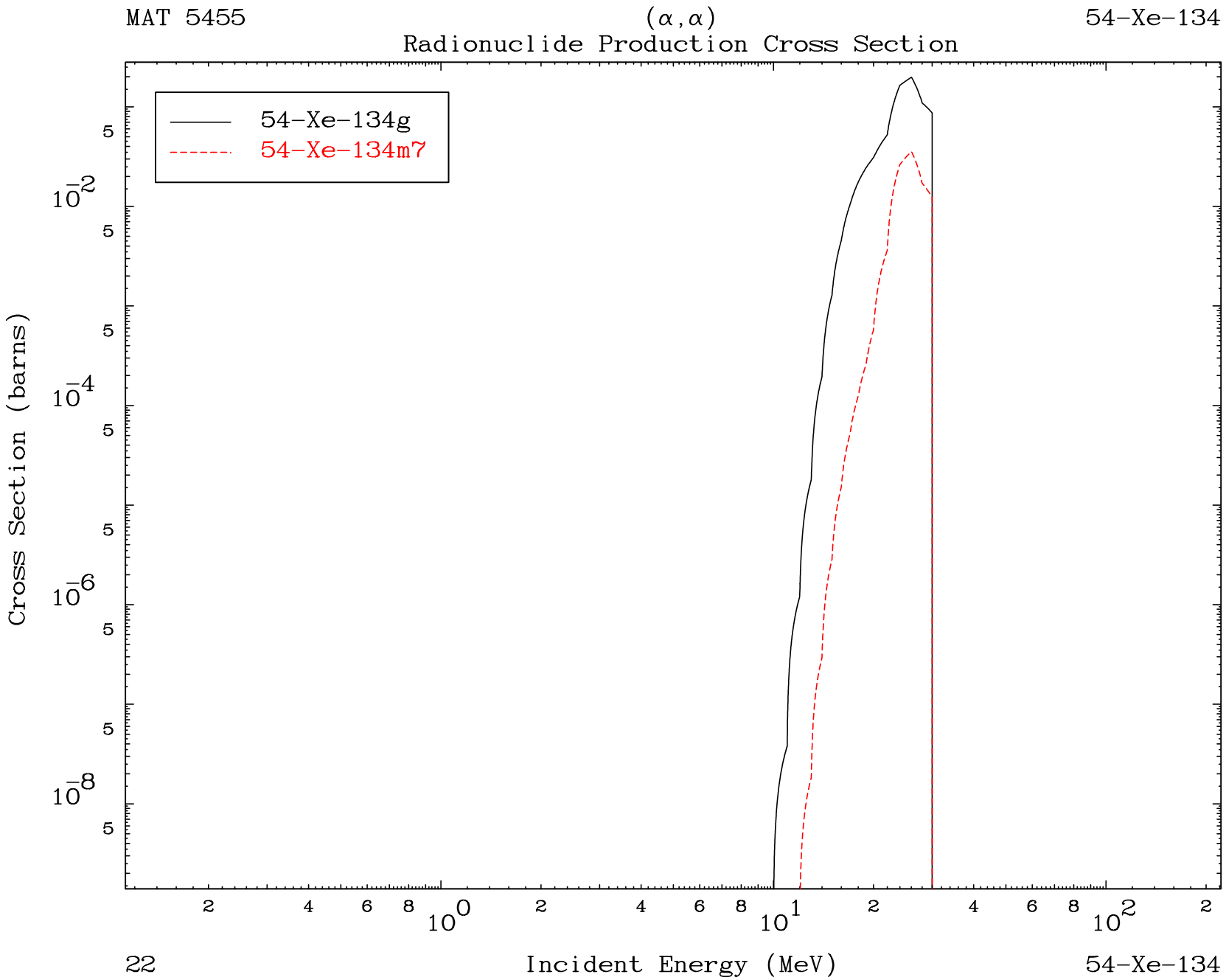

MAT 5455
(α,n') t
54-Xe-134
Radionuclide Production Cross Section
55-Cs-134g
55-Cs-134m3
Cross Section (barns)
10-5
10-6
10-7
10-8
10-9
10-10
10-11
3
4
5
6
7
8
9
10+2
2
17
Incident Energy (MeV)
54-Xe-134

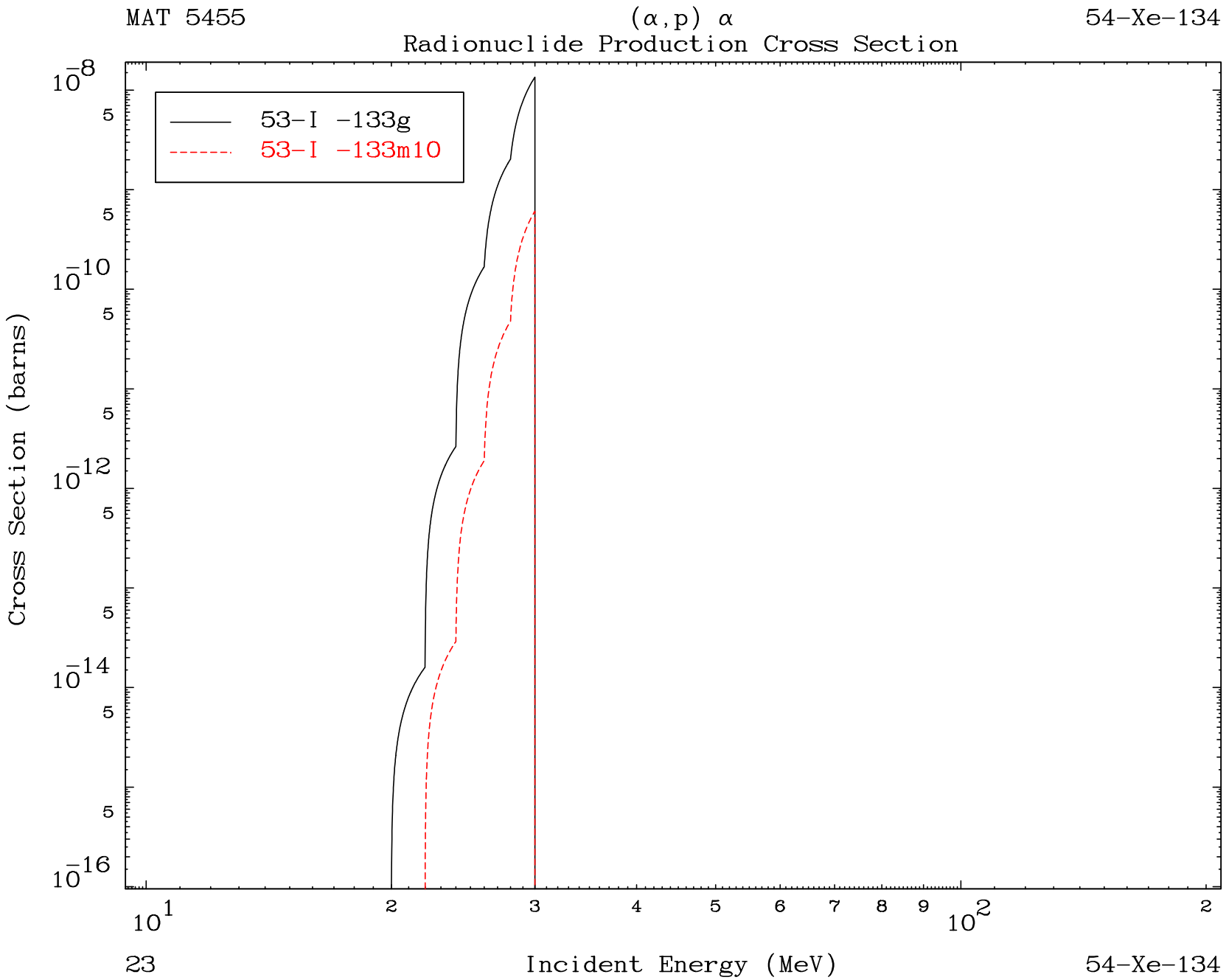

MAT 5455
(α,2n) p
54-Xe-134
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m5
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
54-Xe-134


MAT 5455
(α,d)
54-Xe-134
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
54-Xe-134


MAT 5455
(α,t)
54-Xe-134
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m5
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
54-Xe-134


MAT 5455
(α,He-3)
54-Xe-134
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
54-Xe-134


MAT 5455
(α,α)
54-Xe-134
Radionuclide Production Cross Section
54-Xe-134g
54-Xe-134m7
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
22
54-Xe-134


MAT 5455
(α,p) α
54-Xe-134
Radionuclide Production Cross Section
53-I -133g
53-I -133m10
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^-16
5
10^1
2
3
4
5
6
7
8
9
10^2
2
23
Incident Energy (MeV)
54-Xe-134