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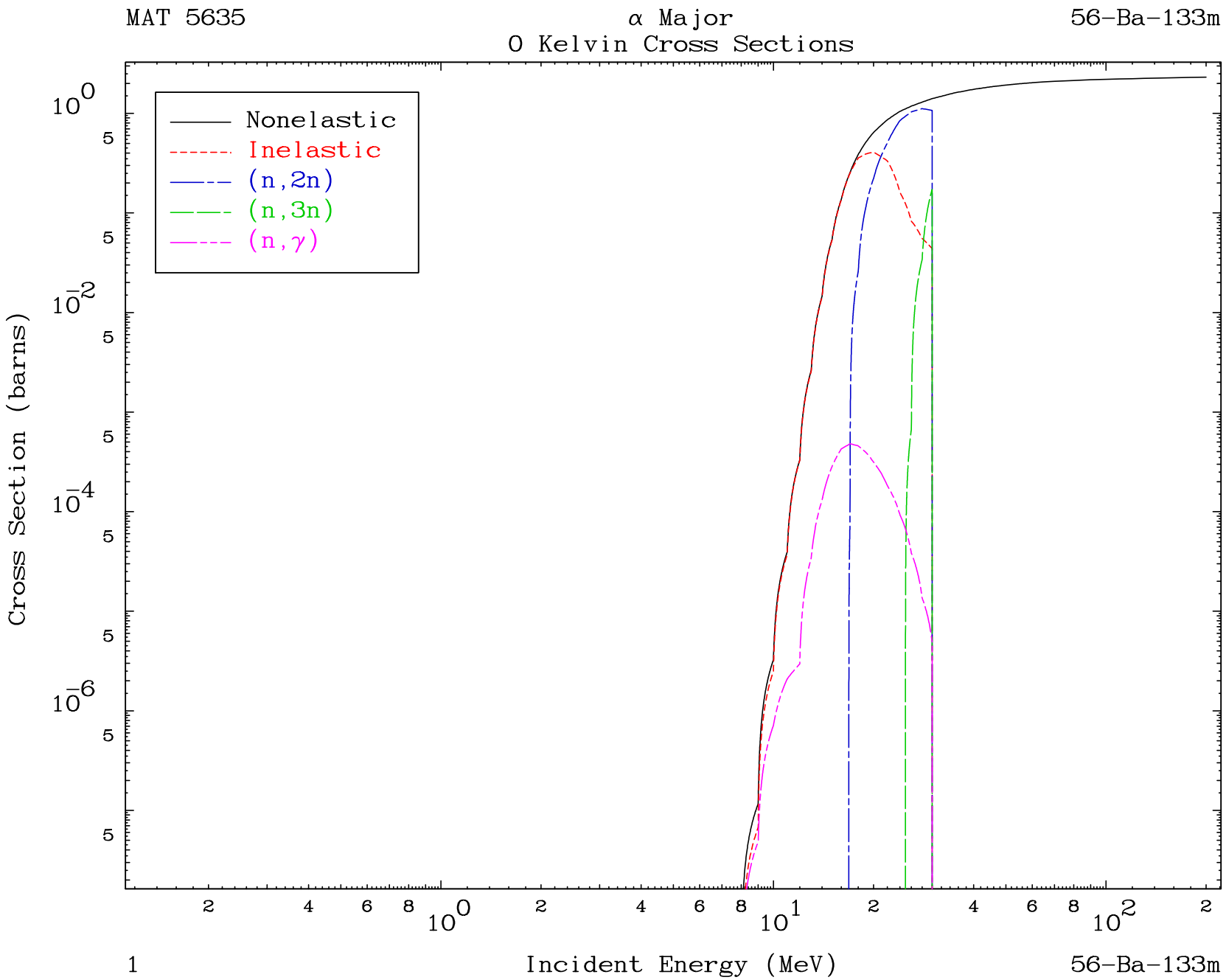
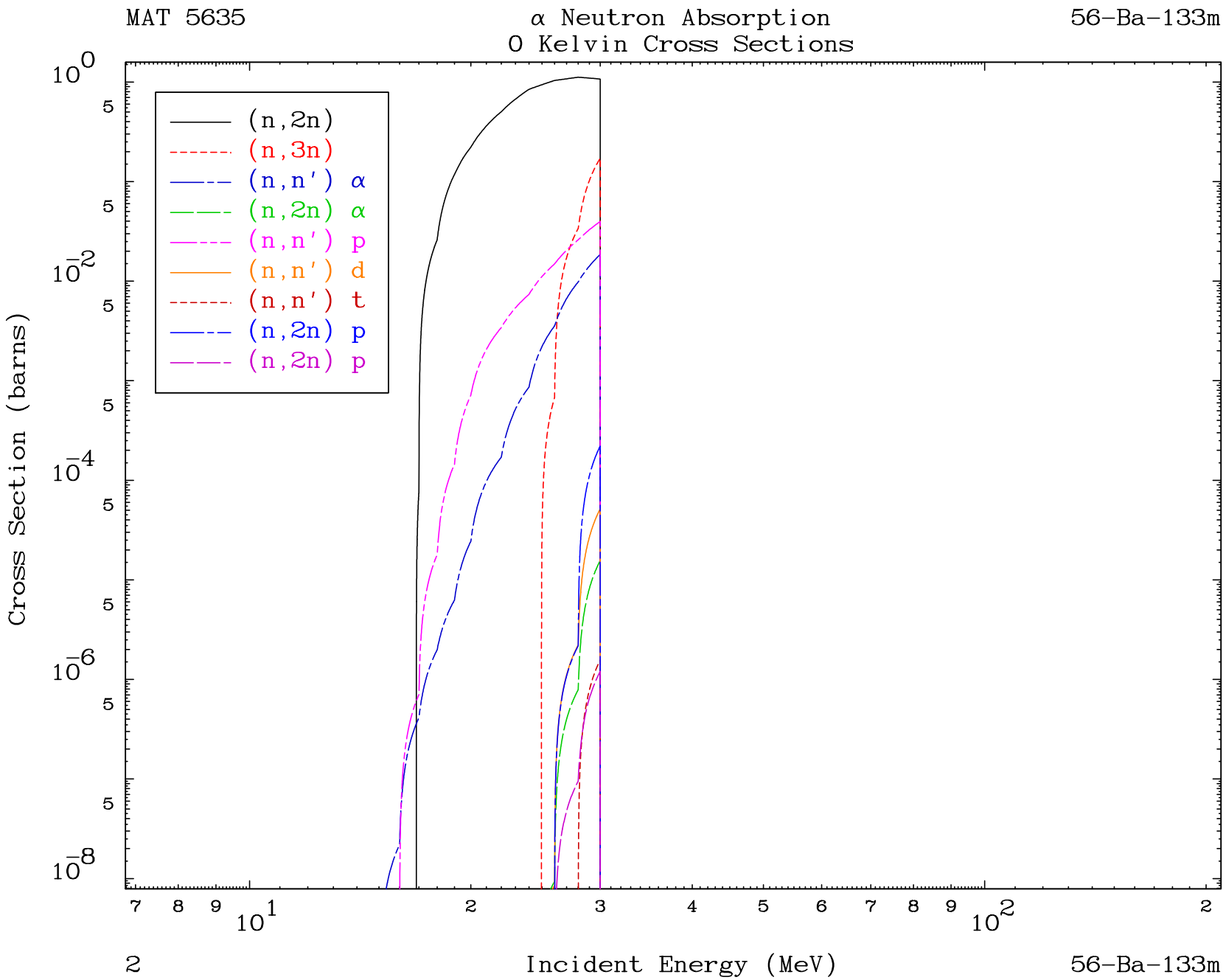
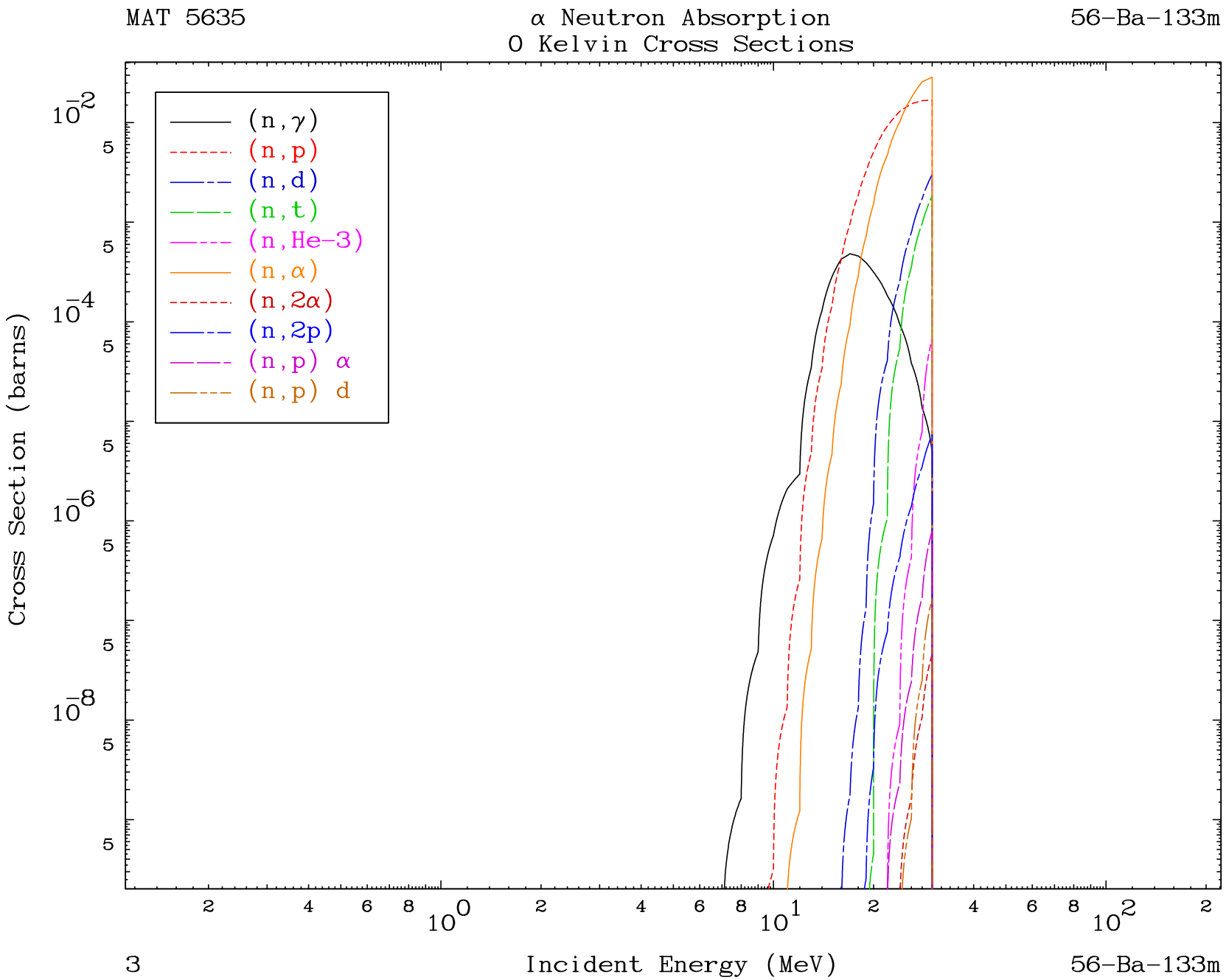
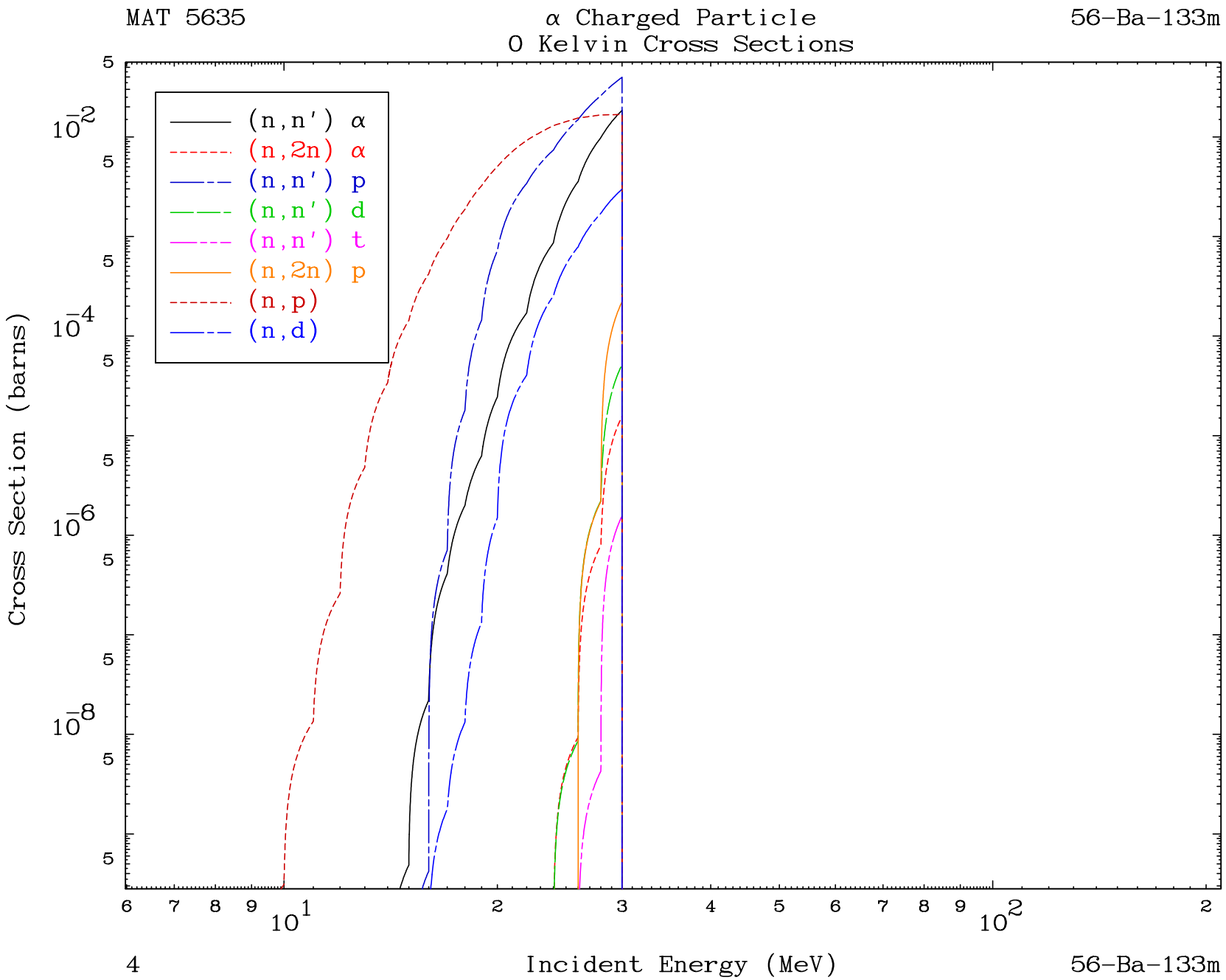
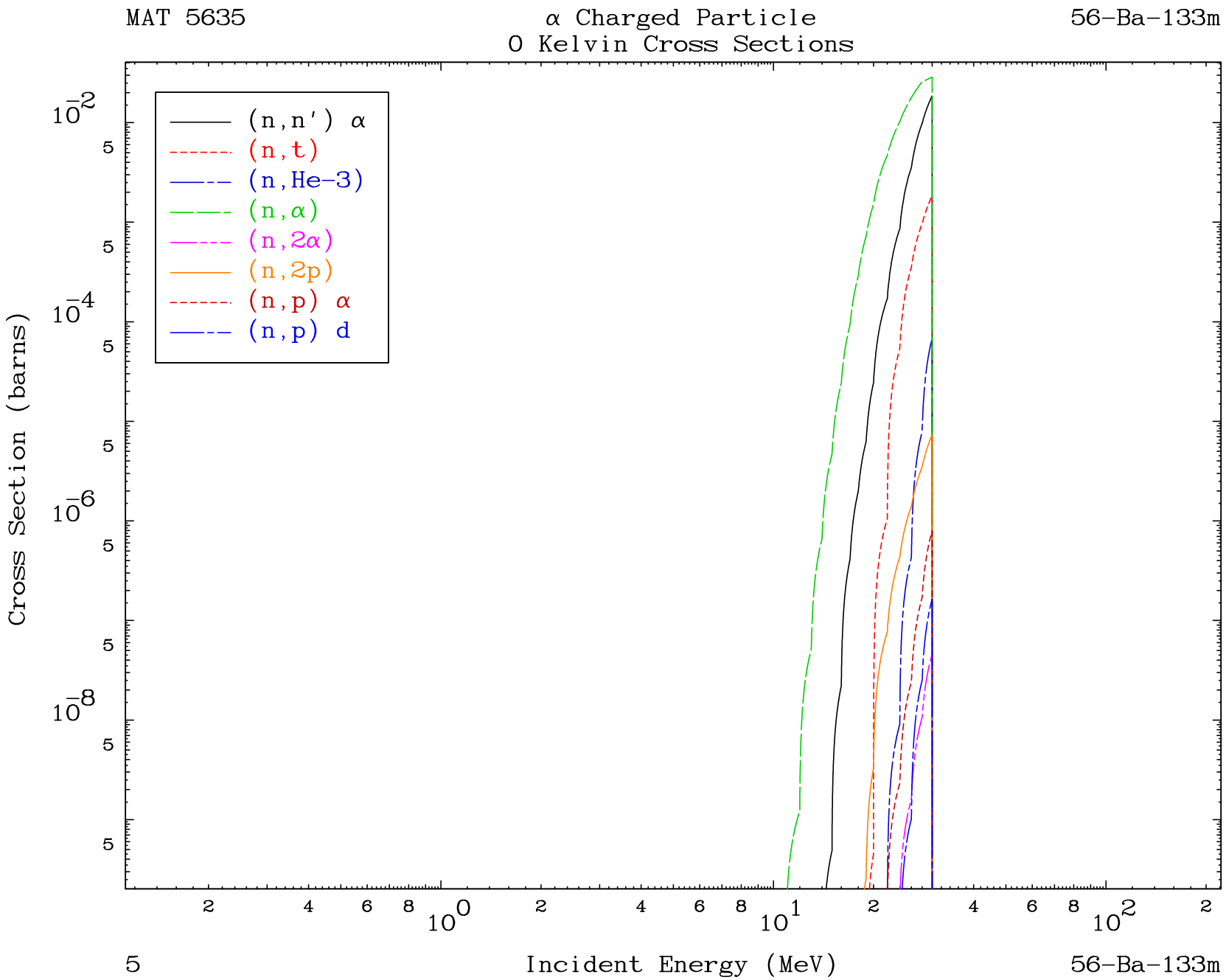
Press Mouse Button to Start

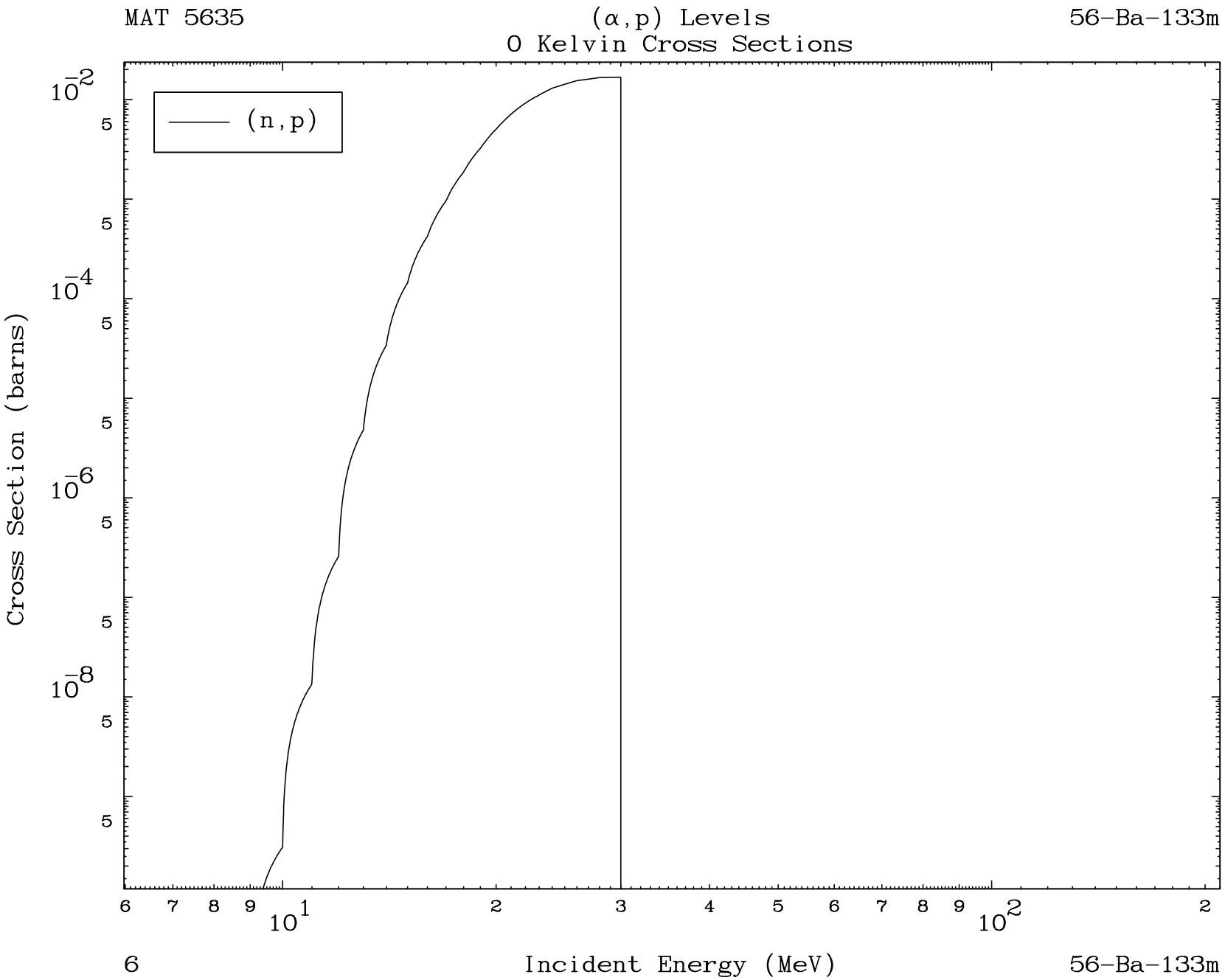

MAT 5635
α Major
56-Ba-133m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-133m
1

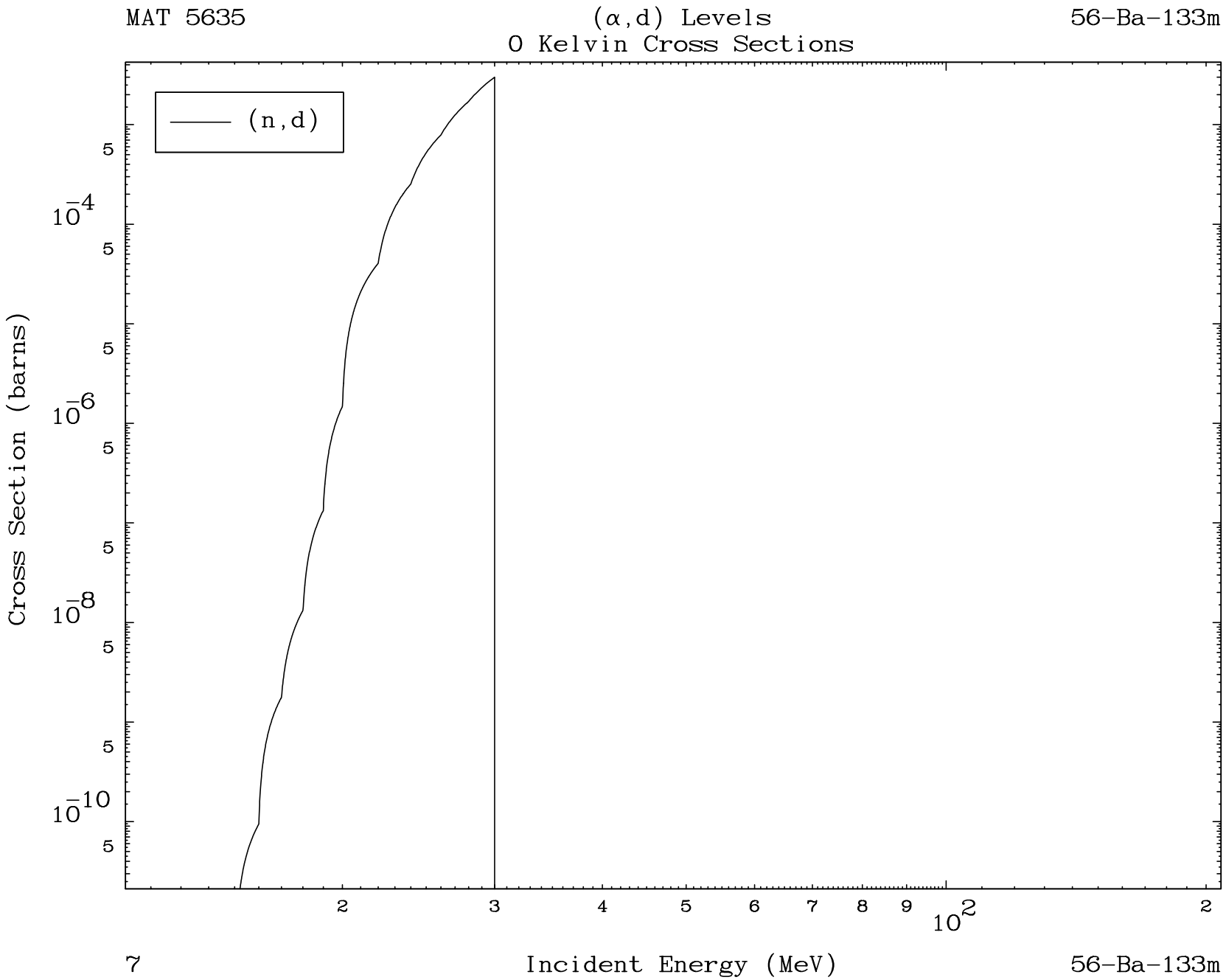

MAT 5635
α Neutron Absorption
0 Kelvin Cross Sections
56-Ba-133m
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
56-Ba-133m


MAT 5635
α Neutron Absorption
0 Kelvin Cross Sections
56-Ba-133m
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
3
56-Ba-133m

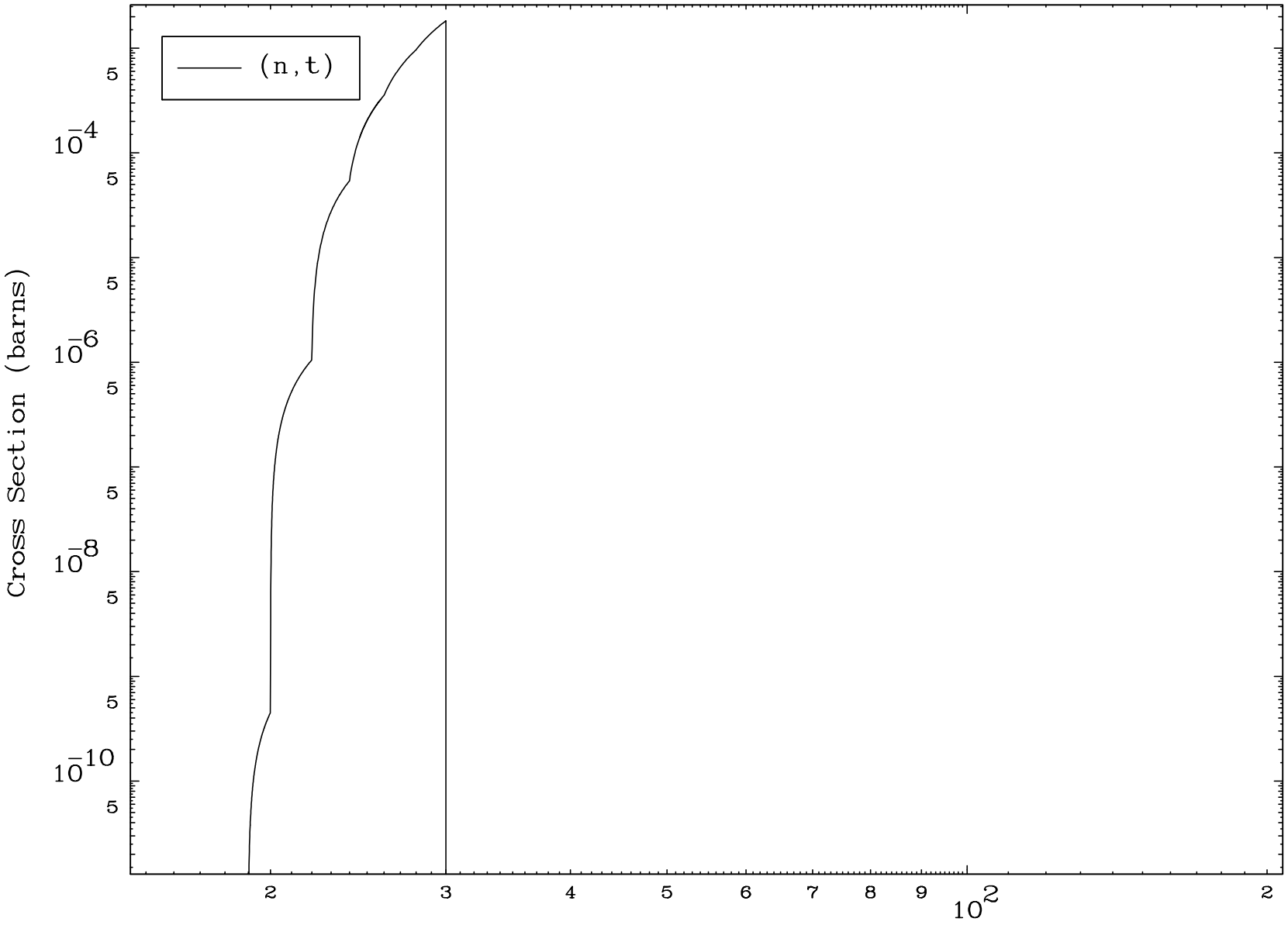

MAT 5635
α Charged Particle
0 Kelvin Cross Sections
56-Ba-133m
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-133m
4

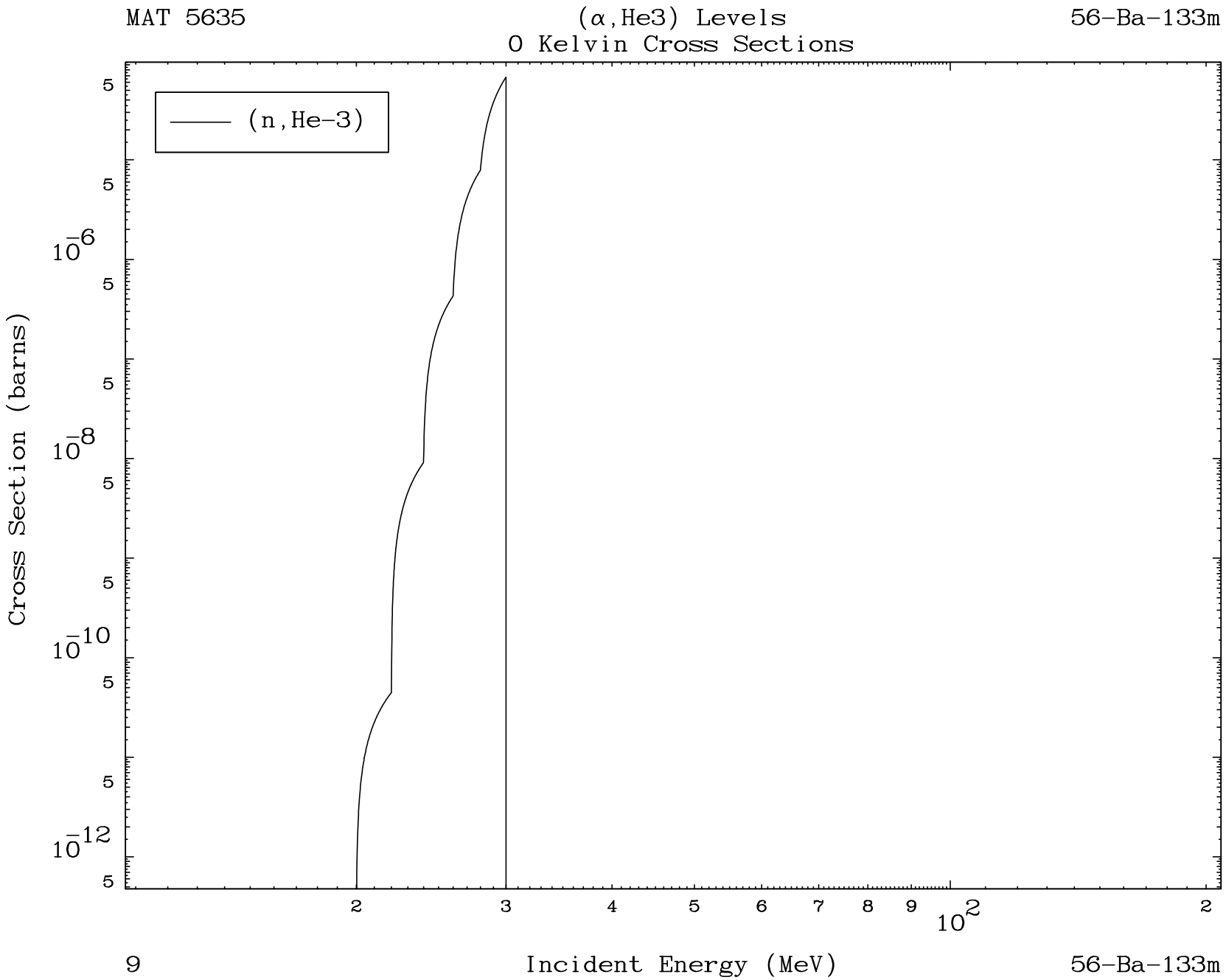

MAT 5635
α Charged Particle
0 Kelvin Cross Sections
56-Ba-133m
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
56-Ba-133m
5

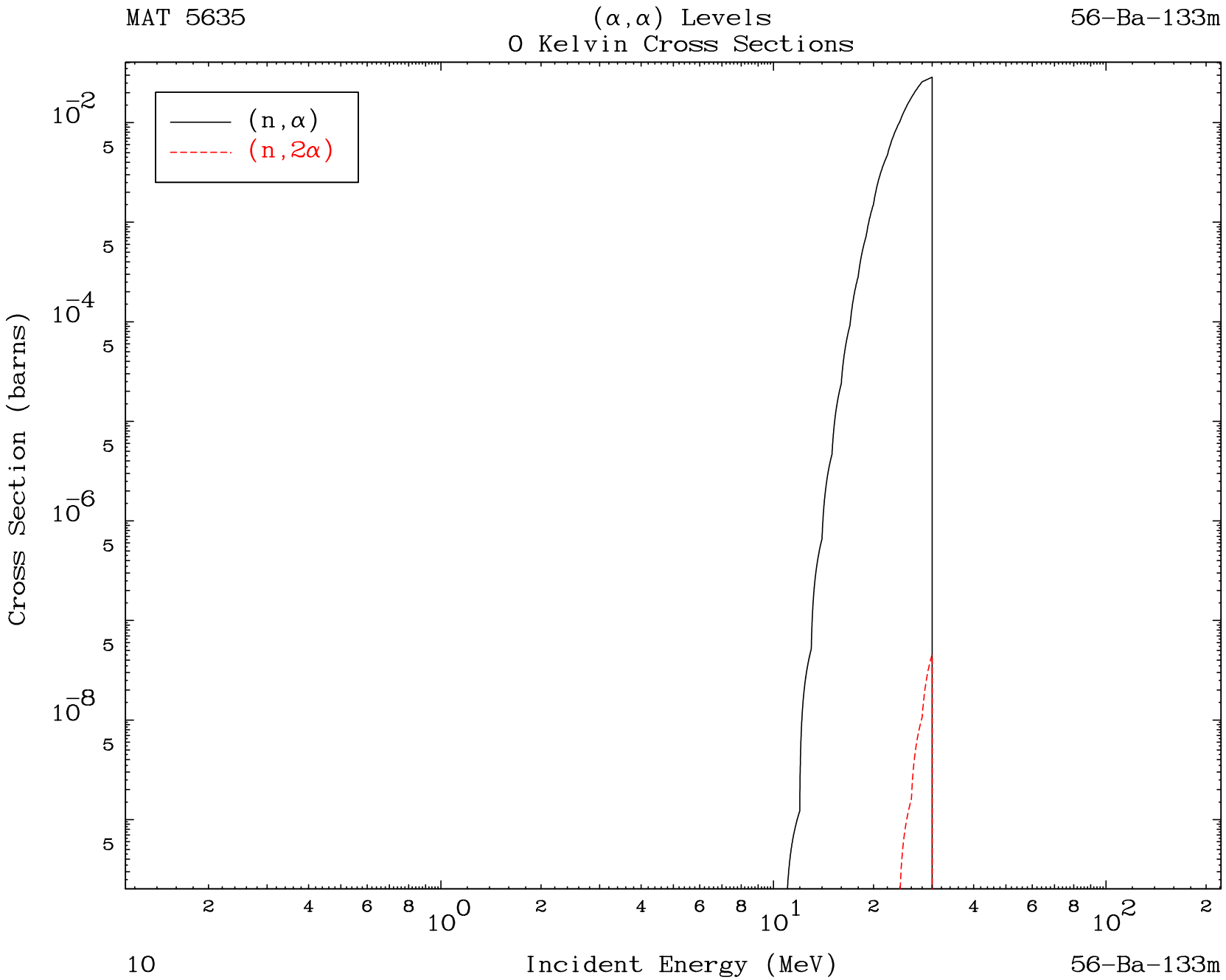

MAT 5635
(α,p) Levels
56-Ba-133m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
56-Ba-133m
6

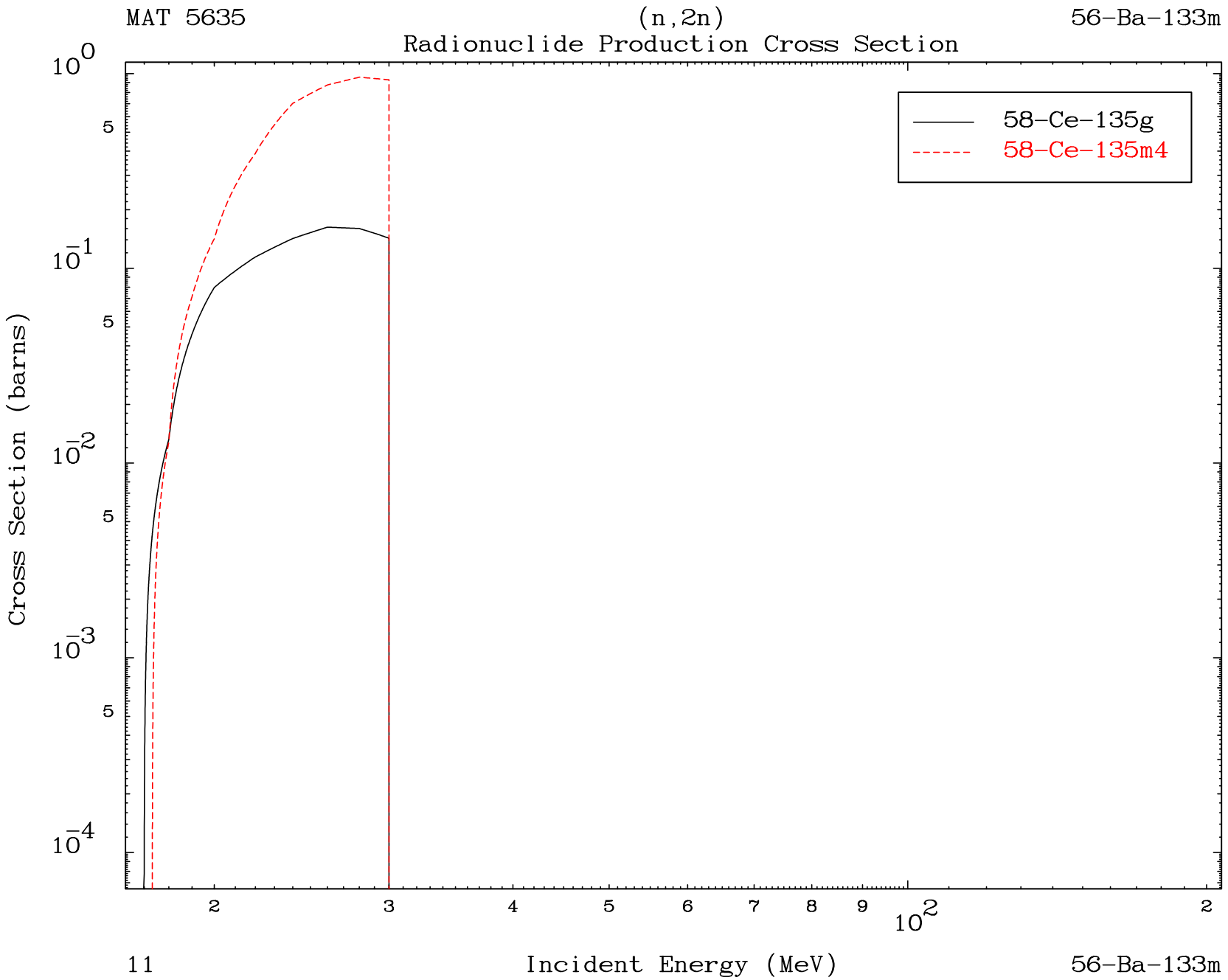

MAT 5635
(α,d) Levels
56-Ba-133m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
56-Ba-133m

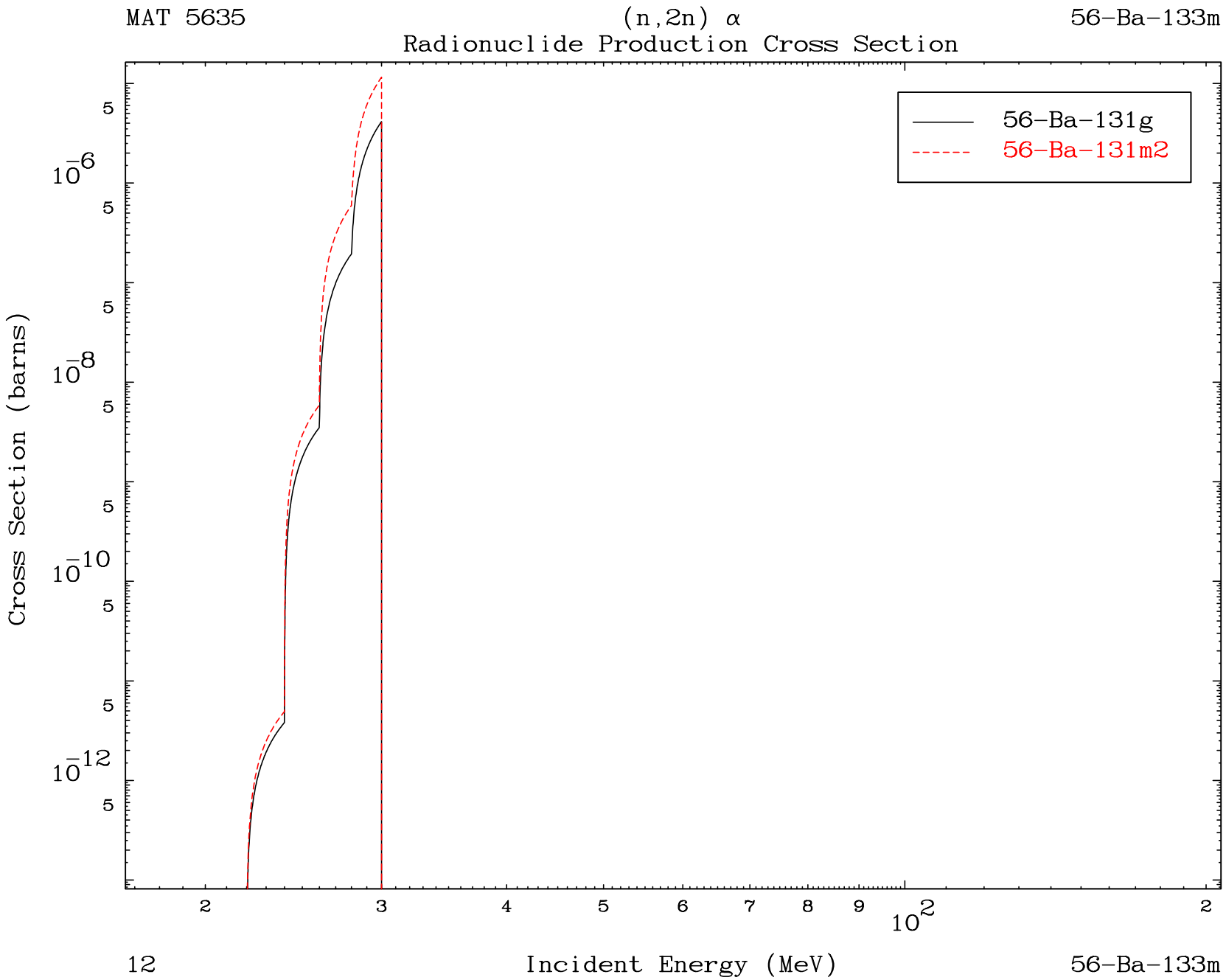
0 Kelvin Cross Sections

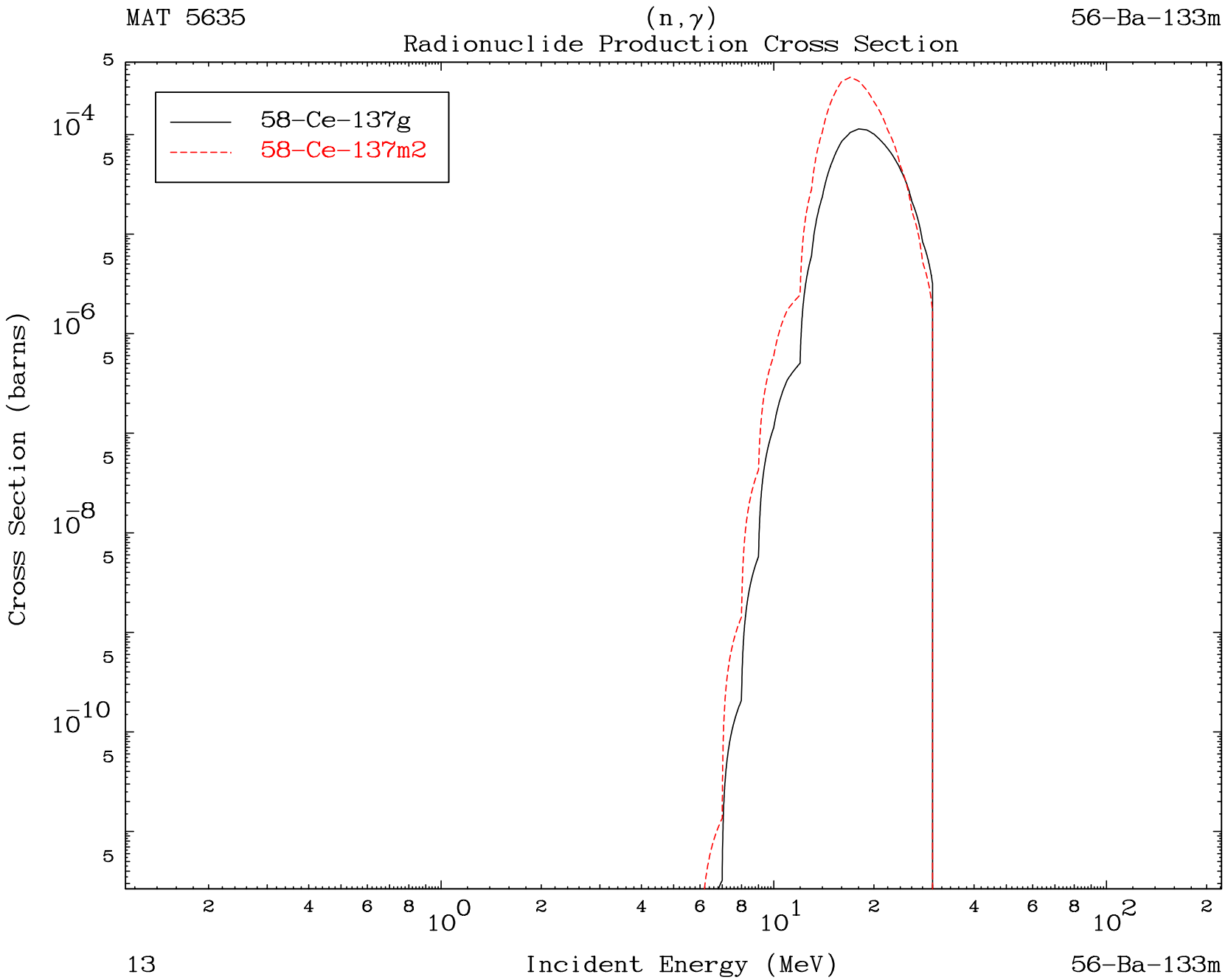


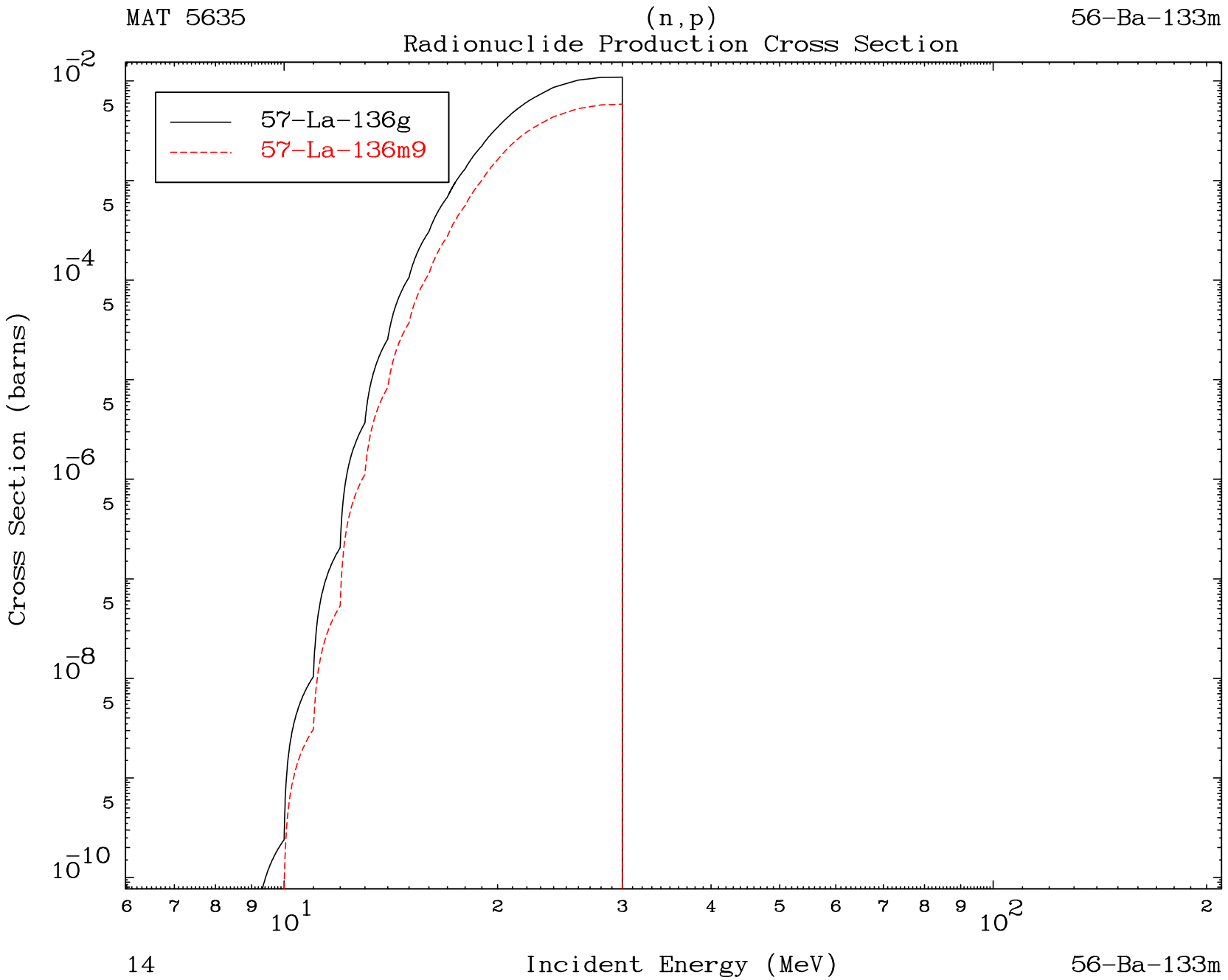

MAT 5635
(α,He3) Levels
56-Ba-133m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
56-Ba-133m

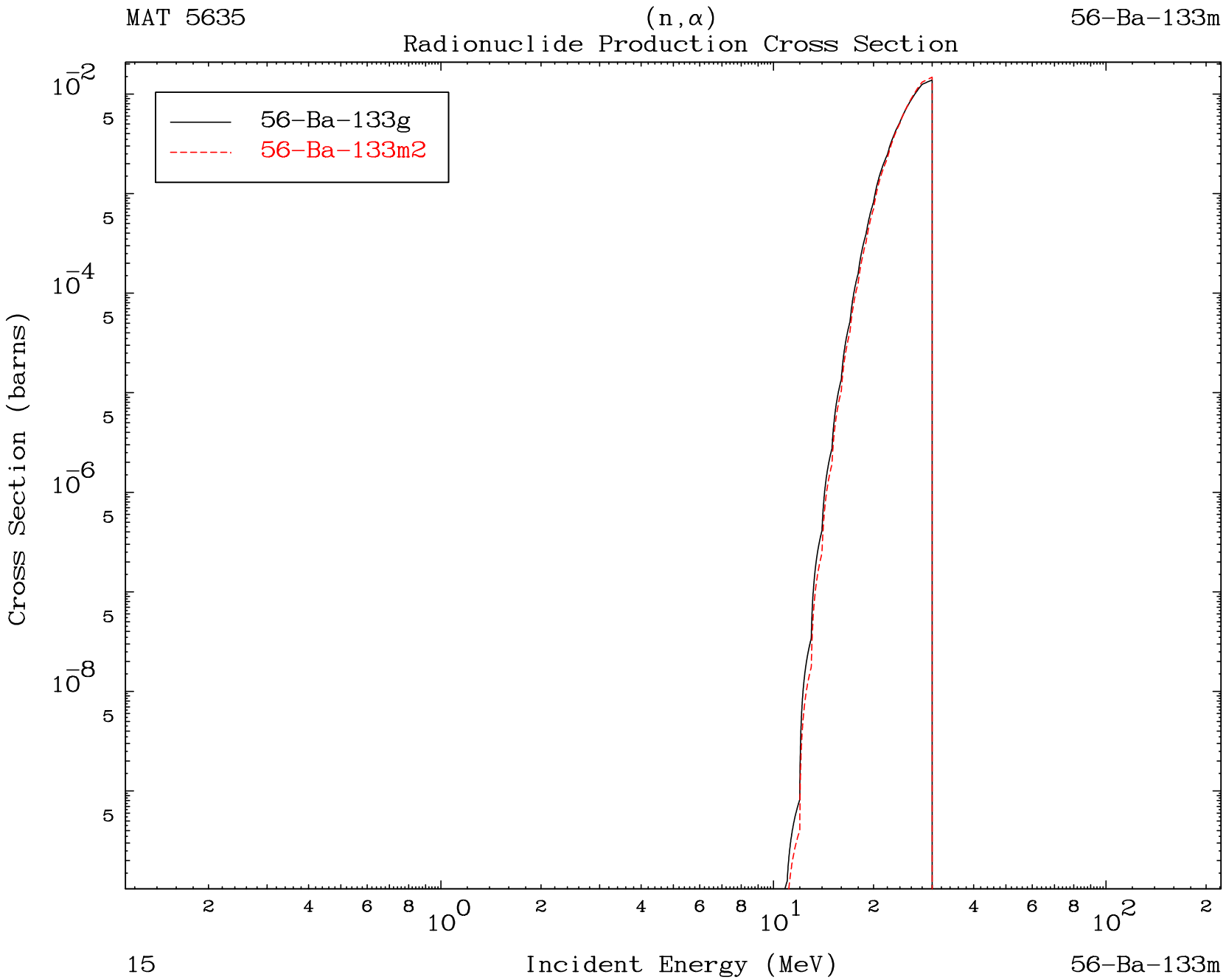

MAT 5635
(α,α) Levels
56-Ba-133m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
56-Ba-133m

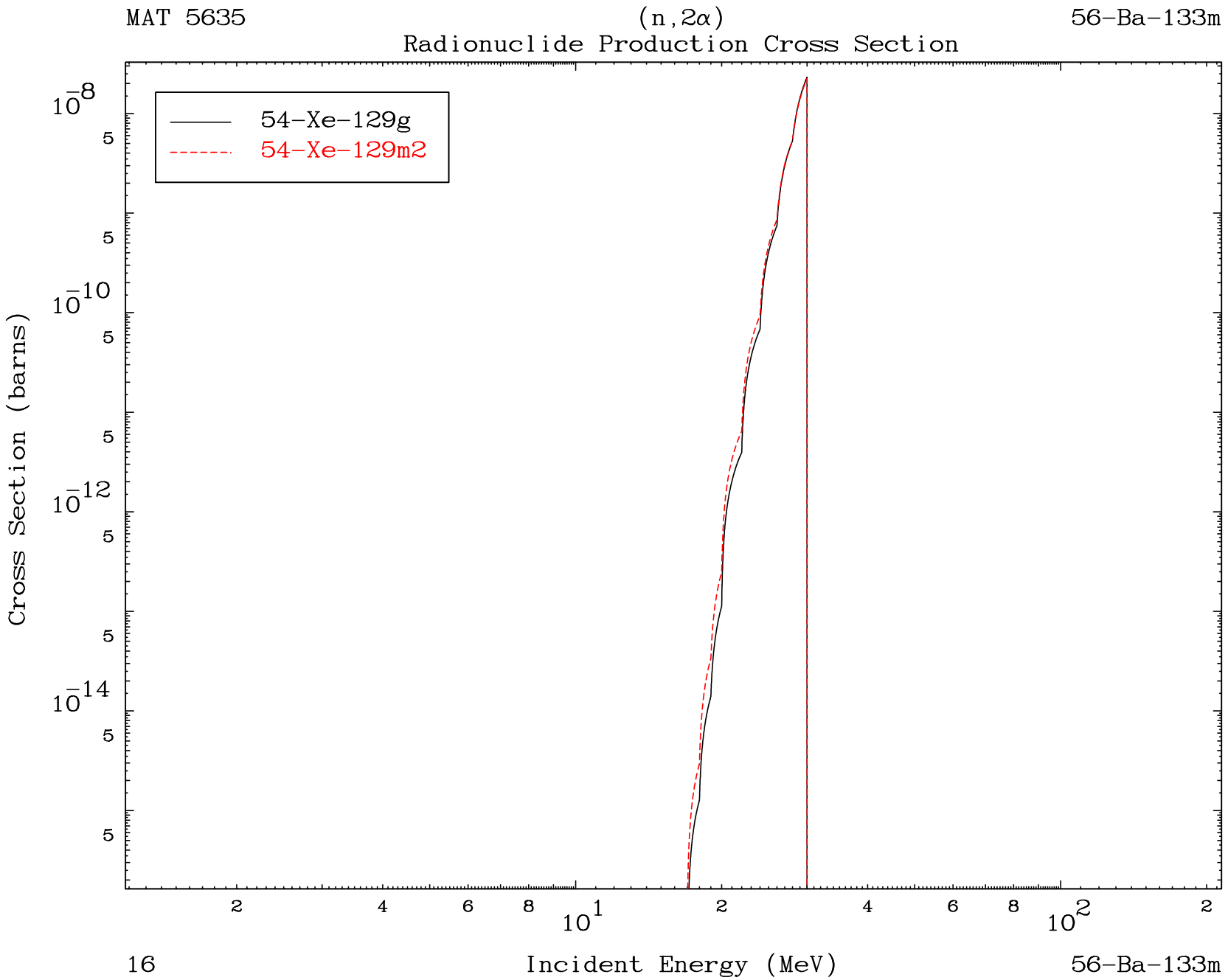

MAT 5635
(n,2n)
56-Ba-133m
Radionuclide Production Cross Section
58-Ce-135g
58-Ce-135m4
Cross Section (barns)
Incident Energy (MeV)
11
56-Ba-133m

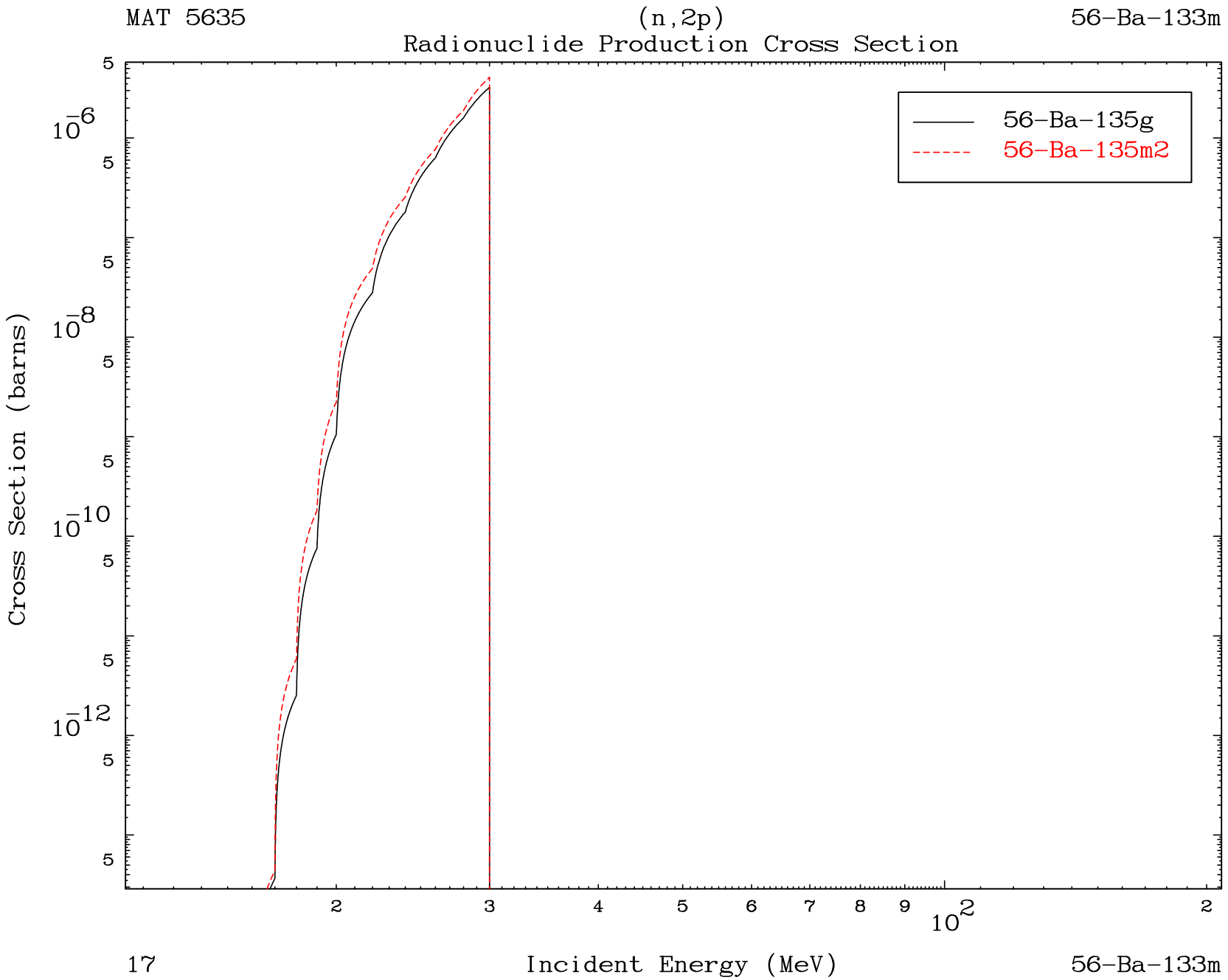

MAT 5635
(n,2n) α
56-Ba-133m
Radionuclide Production Cross Section
56-Ba-131g
56-Ba-131m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
12
Incident Energy (MeV)
56-Ba-133m


MAT 5635
(n,γ)
56-Ba-133m
Radionuclide Production Cross Section
58-Ce-137g
58-Ce-137m2
Cross Section (barns)
Incident Energy (MeV)
13
56-Ba-133m


MAT 5635
(n,p)
56-Ba-133m
Radionuclide Production Cross Section
57-La-136g
57-La-136m9
Cross Section (barns)
Incident Energy (MeV)
14
56-Ba-133m


MAT 5635
(n,α)
56-Ba-133m
Radionuclide Production Cross Section
56-Ba-133g
56-Ba-133m2
Cross Section (barns)
Incident Energy (MeV)
15
56-Ba-133m


MAT 5635
(n,2α)
56-Ba-133m
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
4
6
8
101
102
16
Incident Energy (MeV)
56-Ba-133m


MAT 5635
(n,2p)
56-Ba-133m
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
Incident Energy (MeV)
17
56-Ba-133m