Program EVALPLOT
(Version 2017-1)
by
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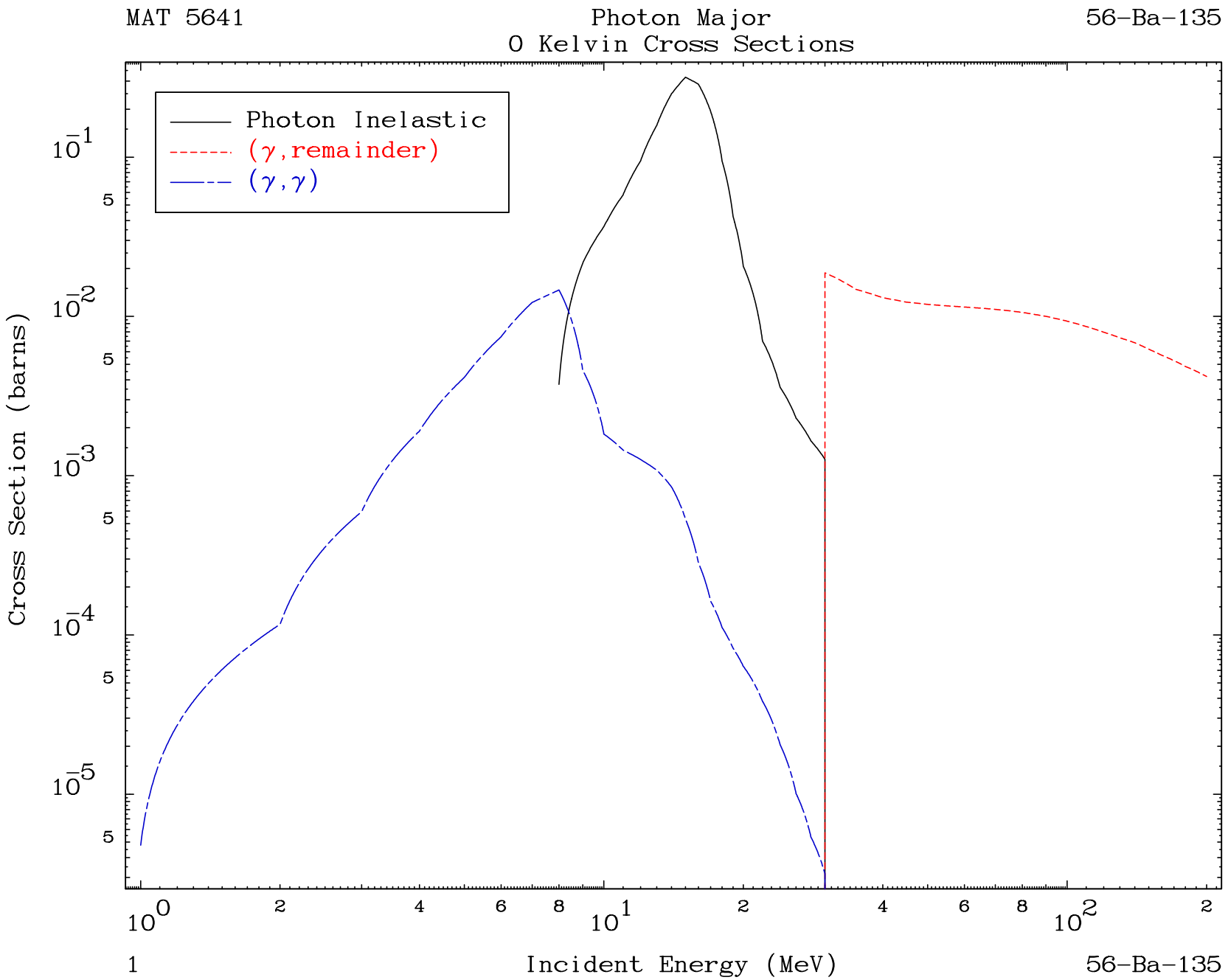
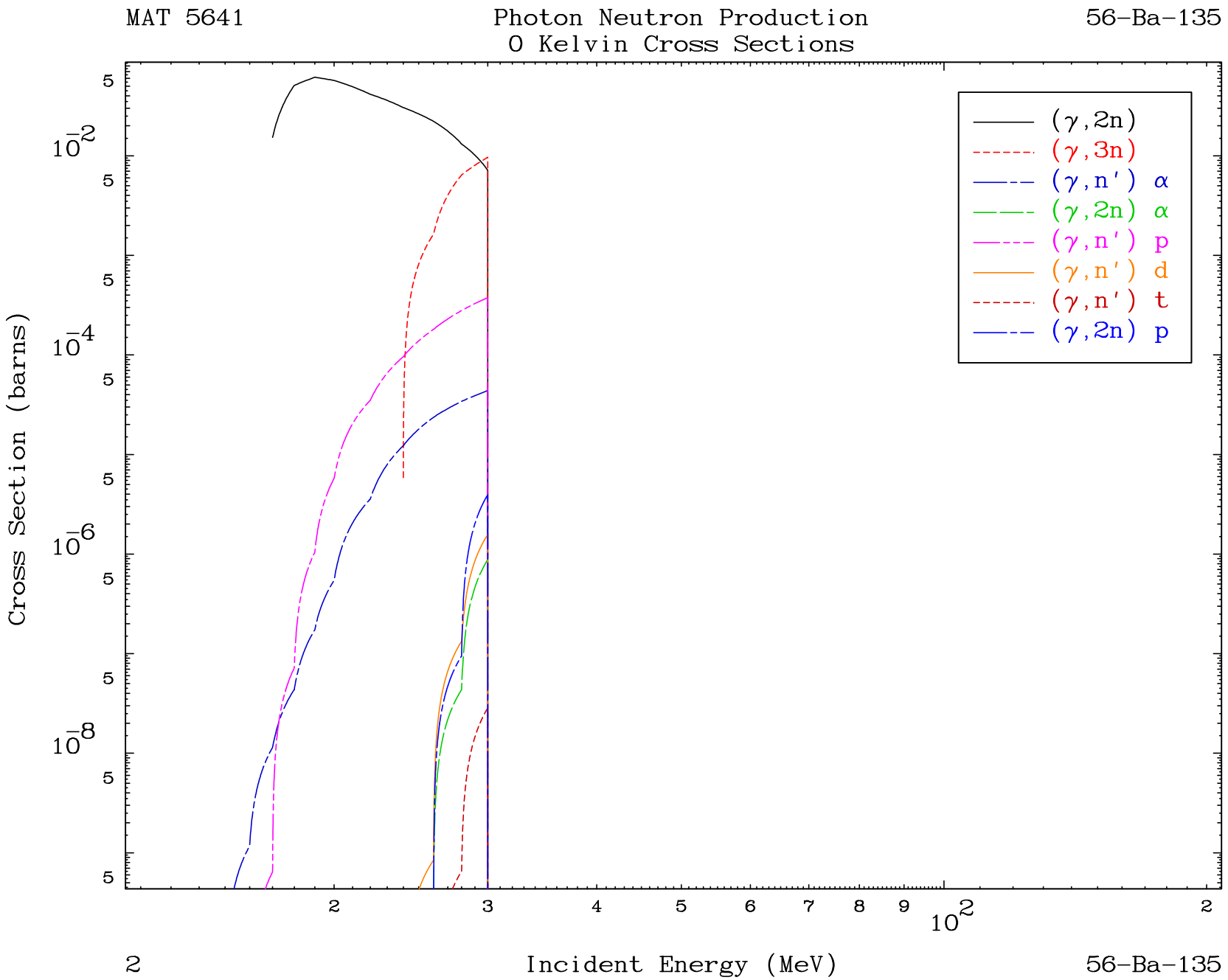
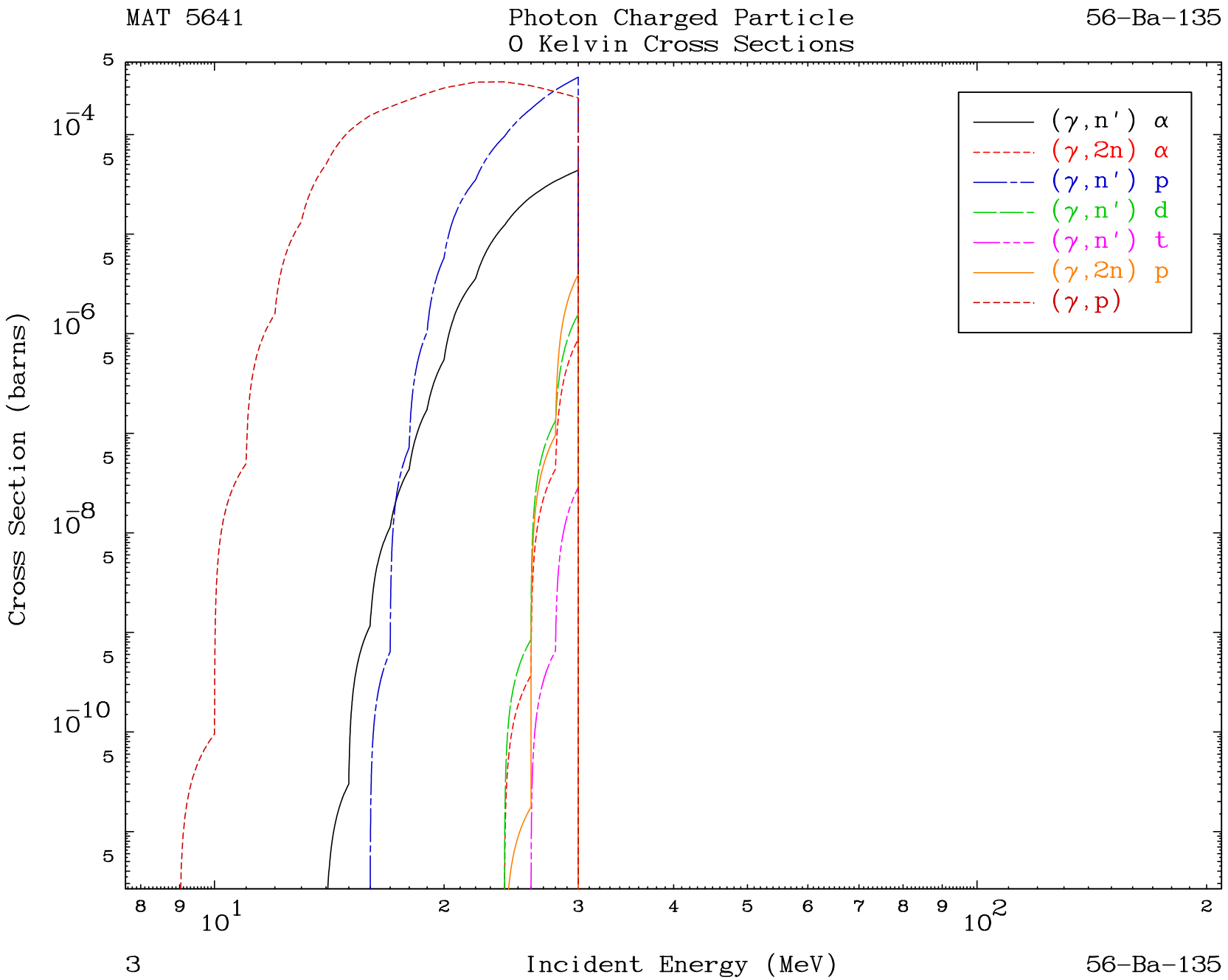
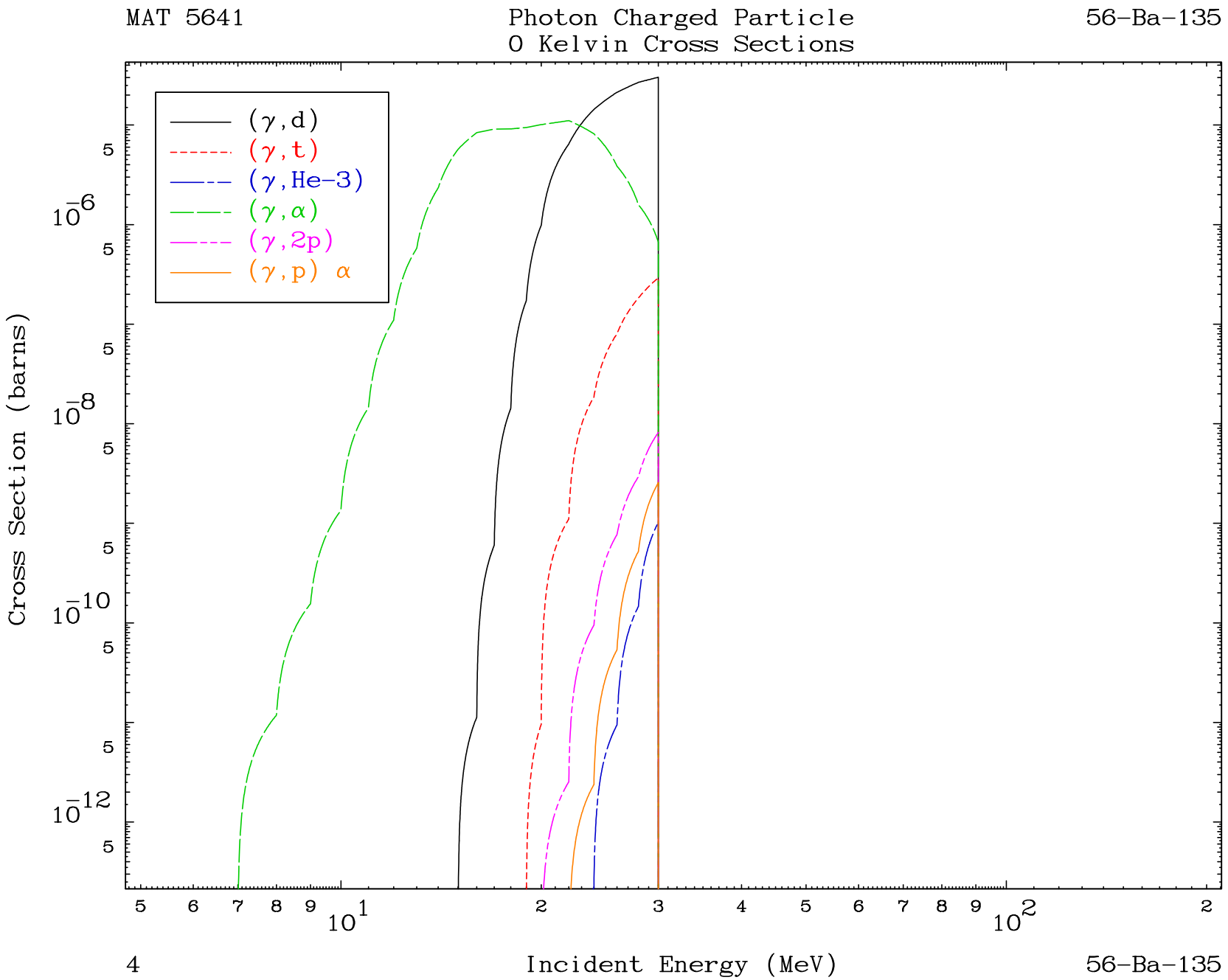
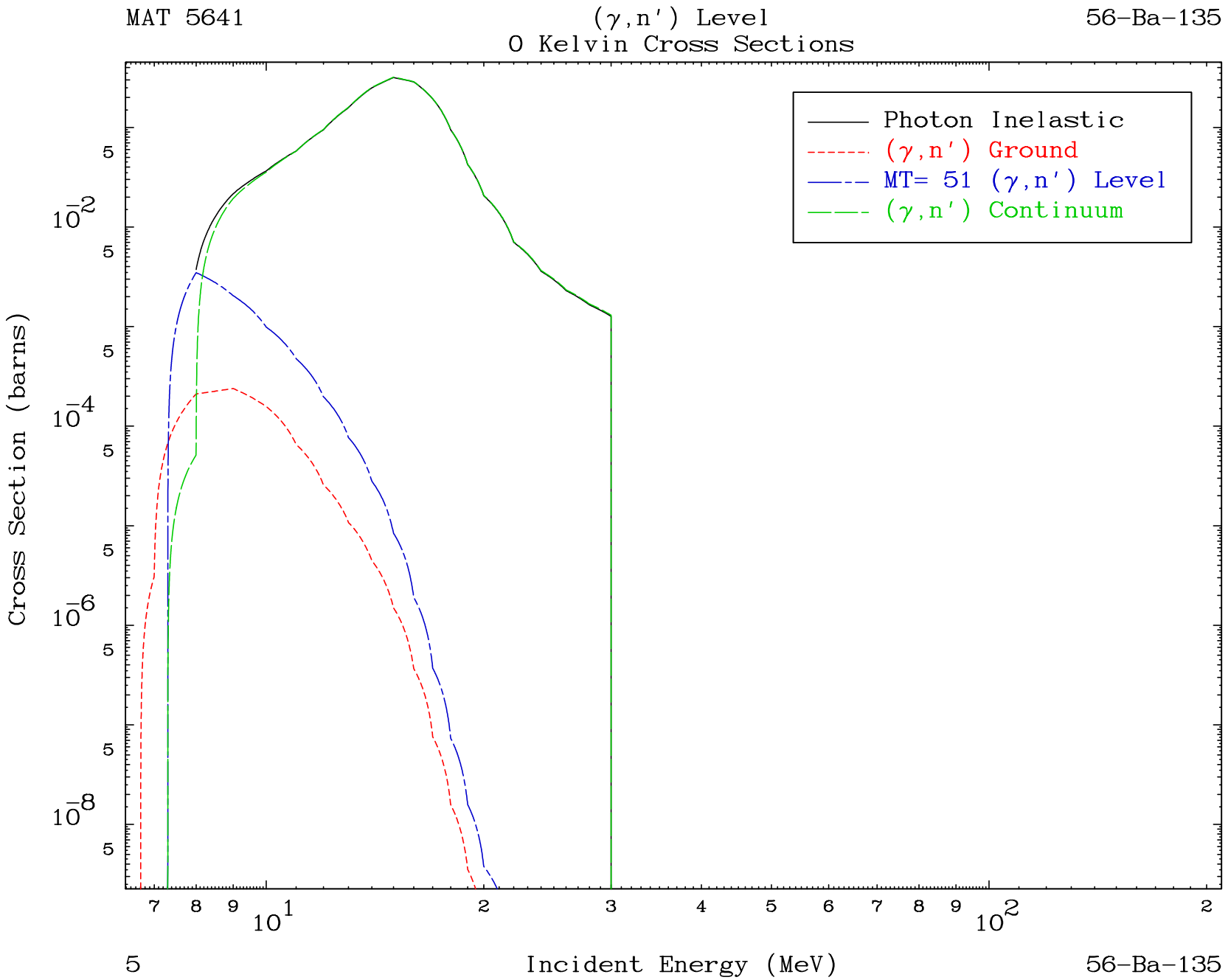
Press Mouse Button to Start

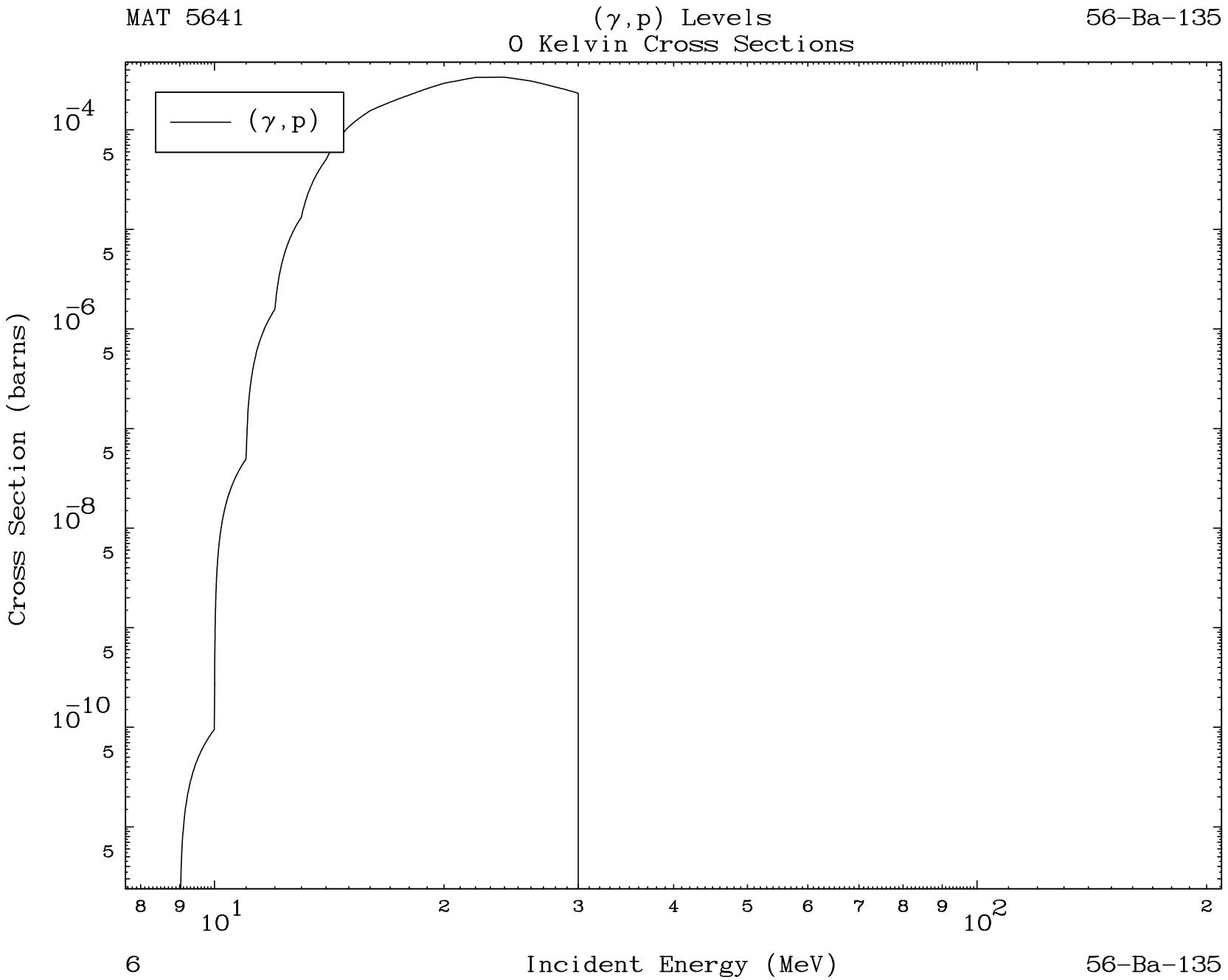

MAT 5641
Photon Major
56-Ba-135
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-135

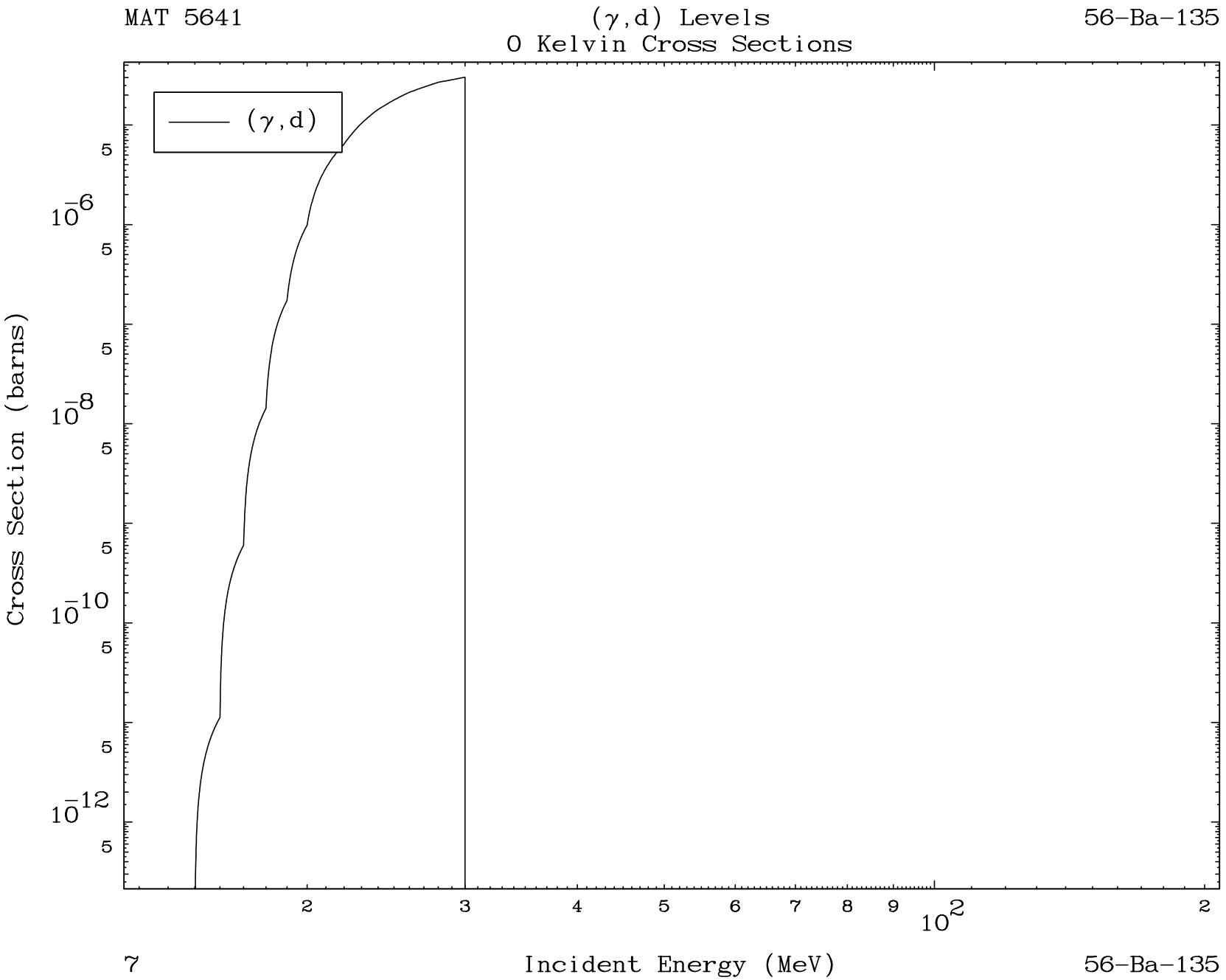

MAT 5641
Photon Neutron Production
0 Kelvin Cross Sections
56-Ba-135
Cross Section (barns)
Incident Energy (MeV)
56-Ba-135
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

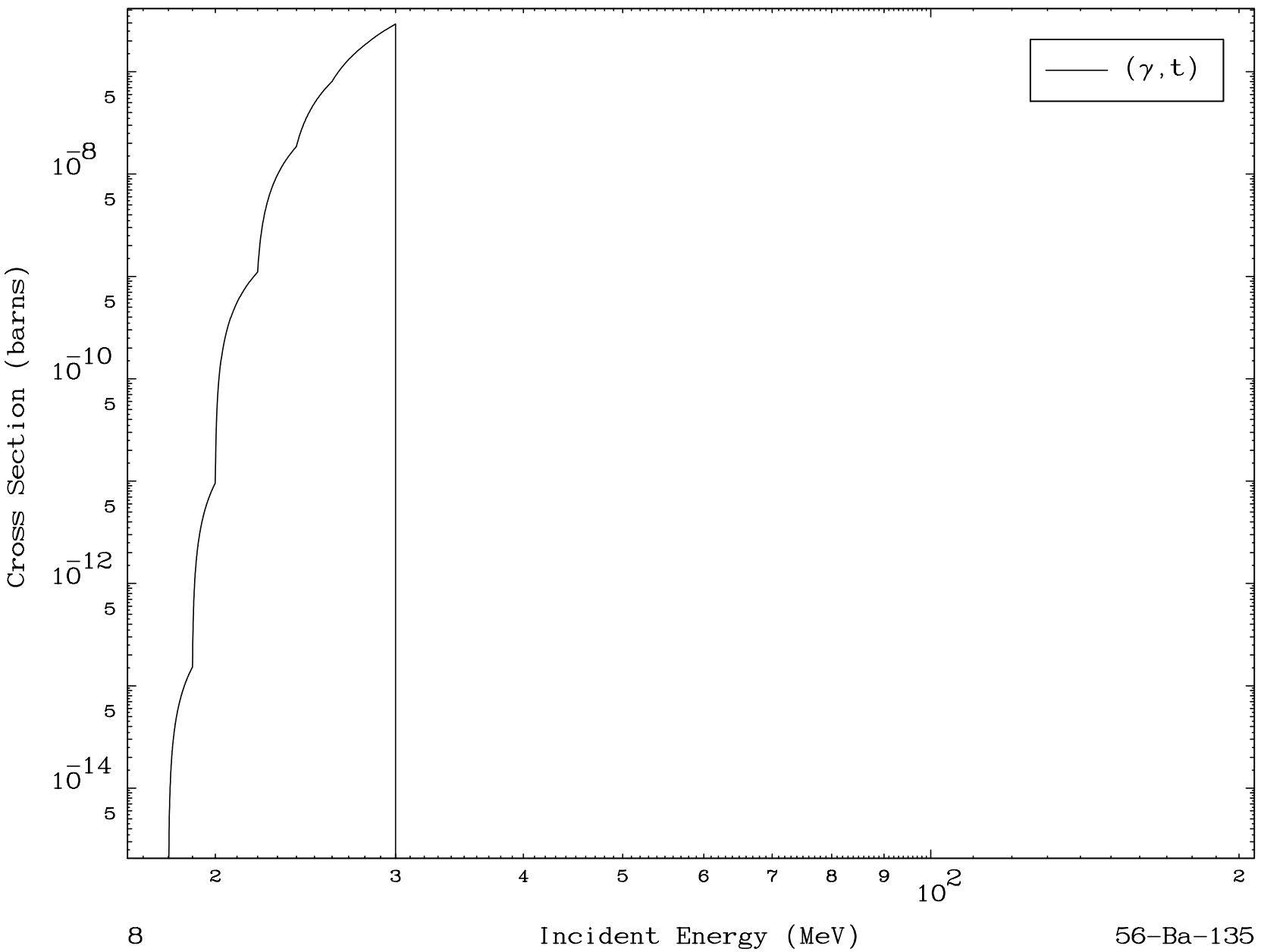

MAT 5641
Photon Charged Particle
0 Kelvin Cross Sections
56-Ba-135
Cross Section (barns)
Incident Energy (MeV)
3
56-Ba-135
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)

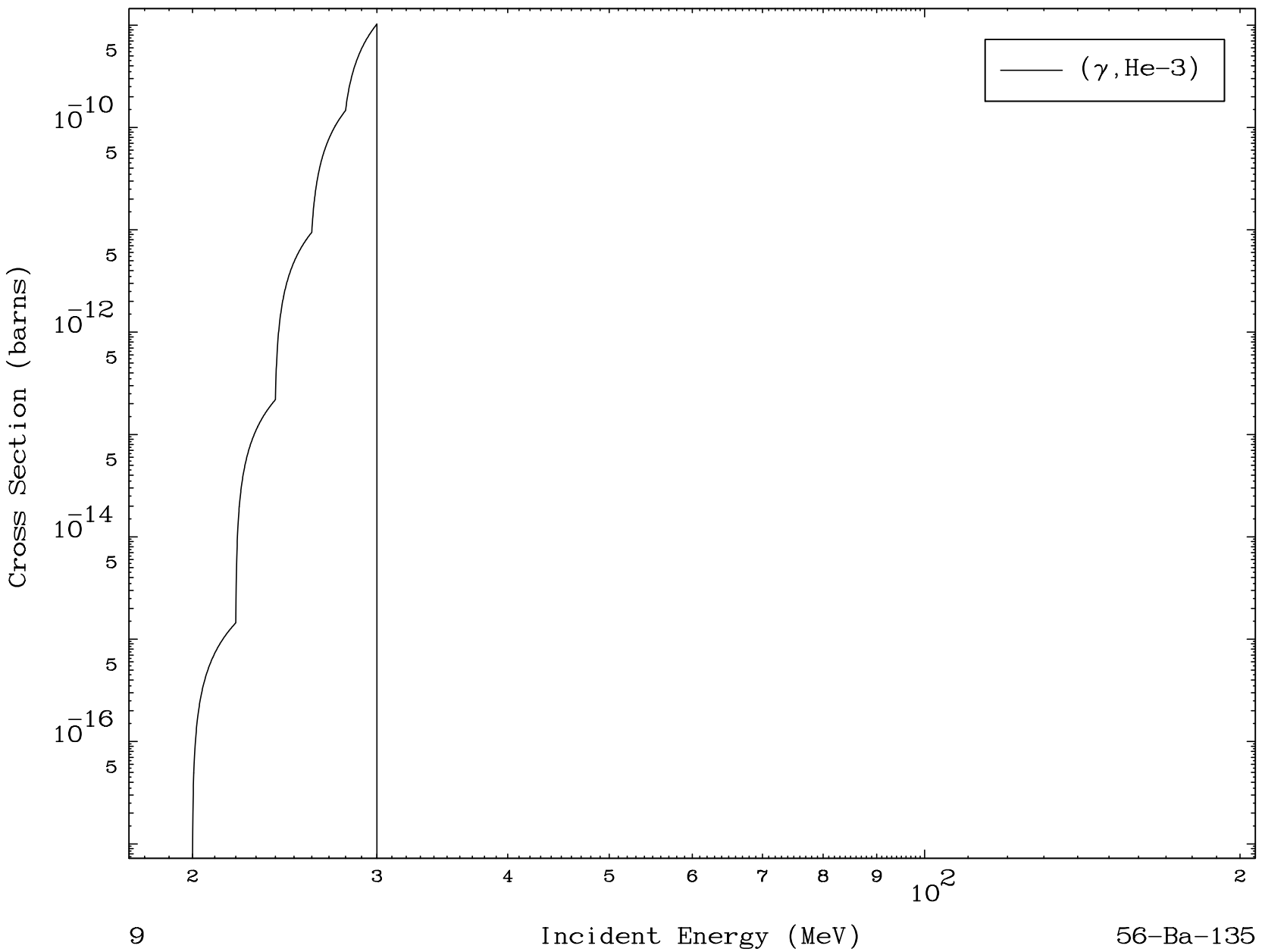

MAT 5641
Photon Charged Particle
0 Kelvin Cross Sections
56-Ba-135
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2p)
(γ,p) α
Cross Section (barns)
Incident Energy (MeV)
4
56-Ba-135

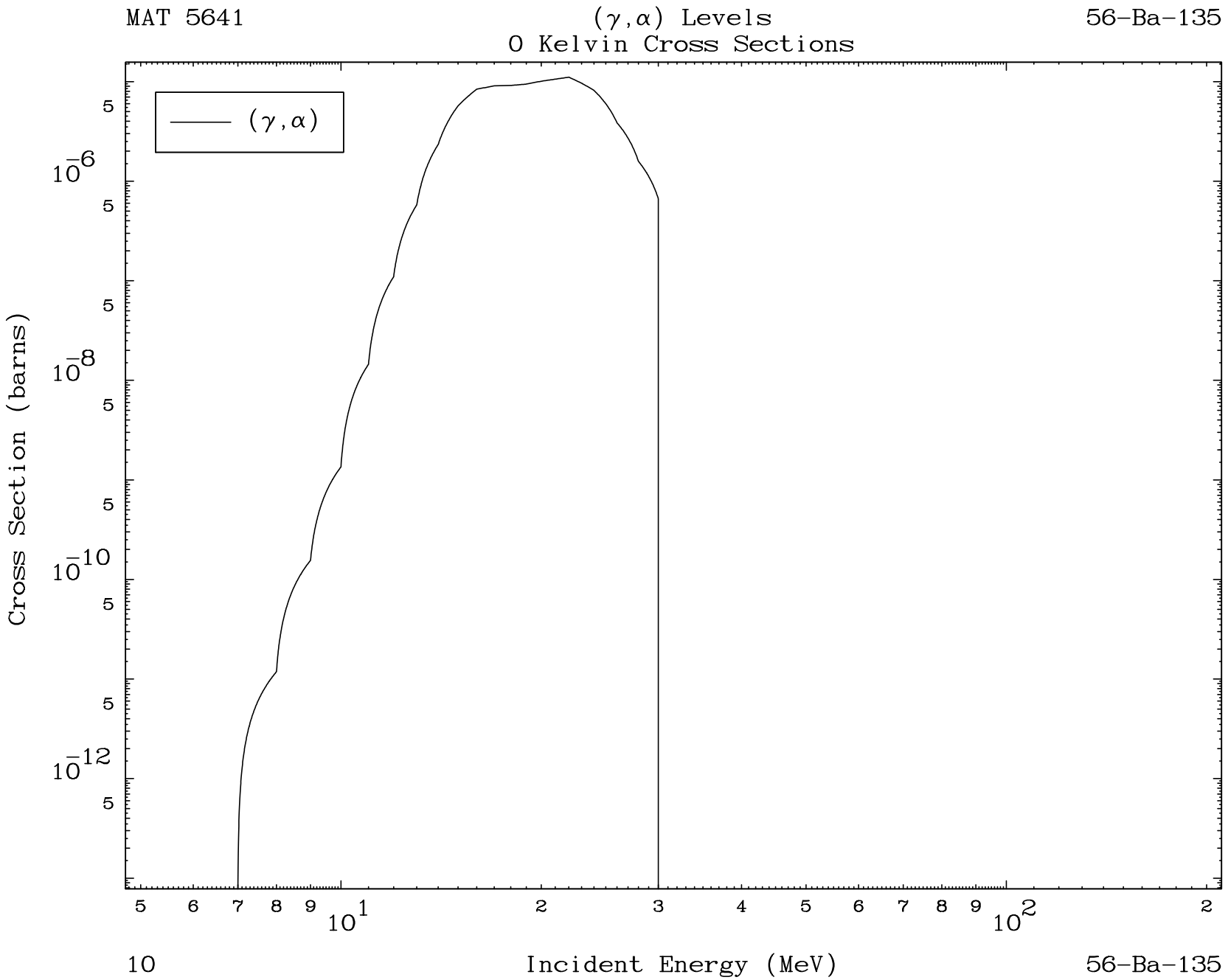

MAT 5641
(γ,n') Level
56-Ba-135
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
5
56-Ba-135

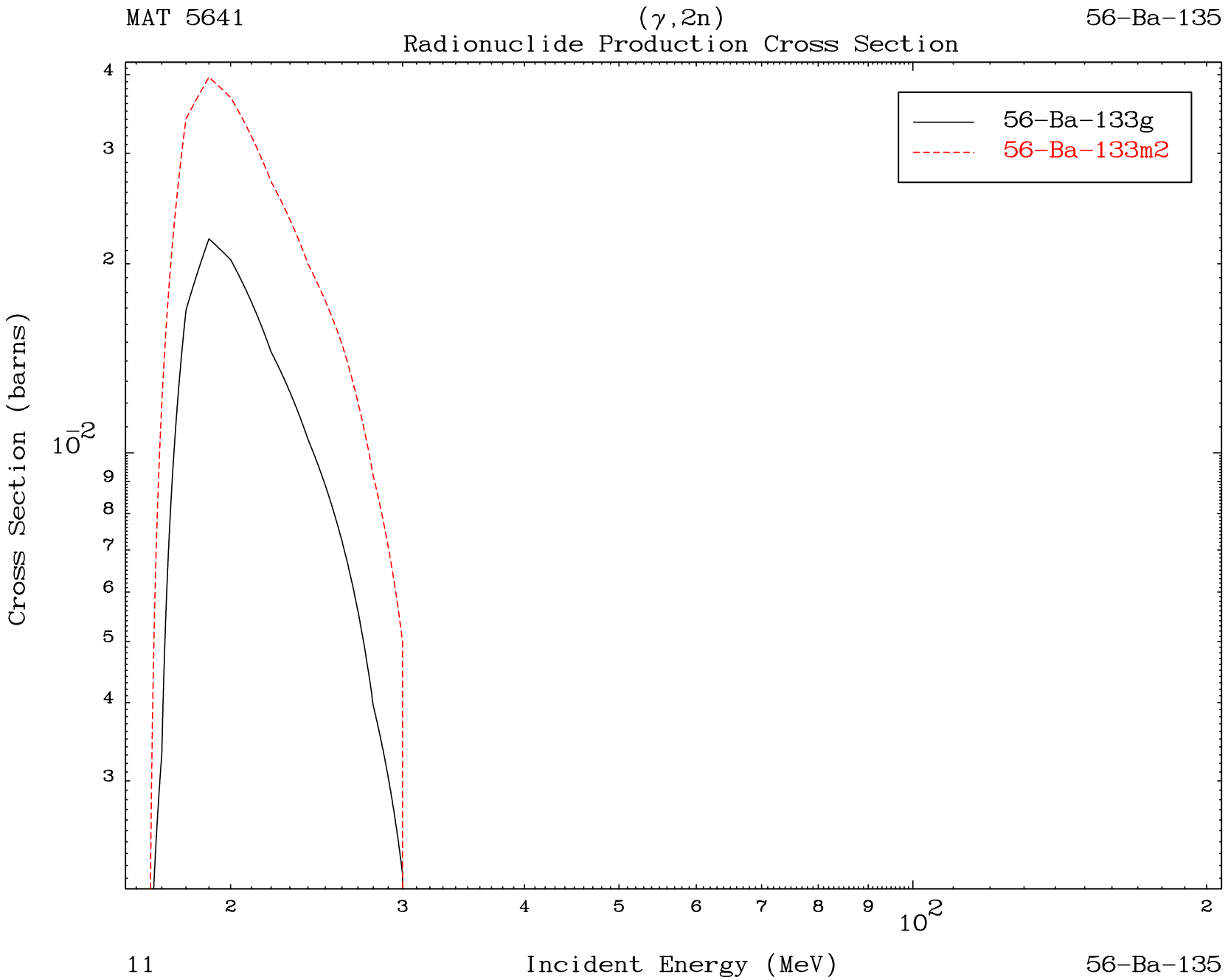

MAT 5641
(γ,p) Levels
56-Ba-135
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
56-Ba-135

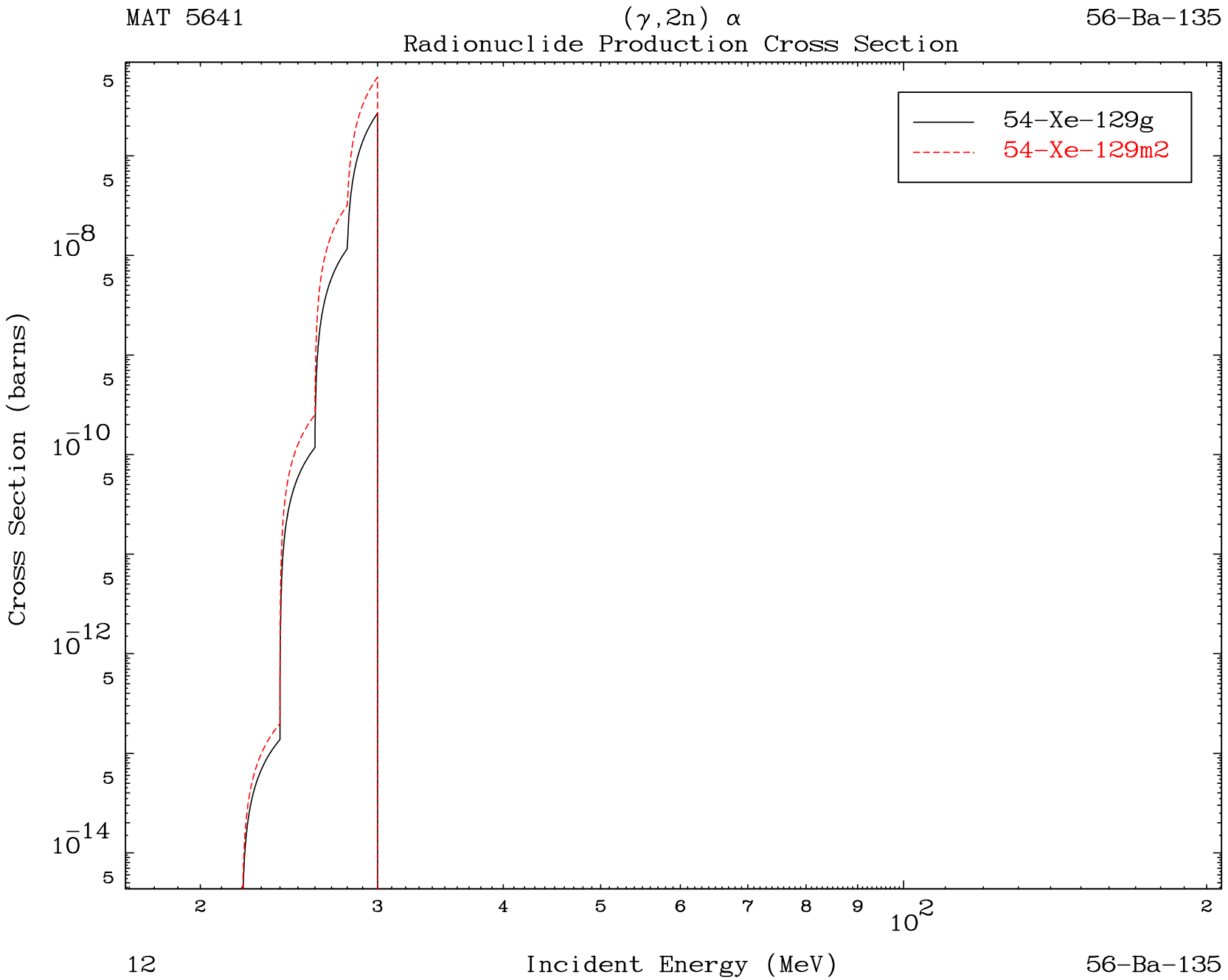

MAT 5641
(γ,d) Levels
56-Ba-135
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
56-Ba-135

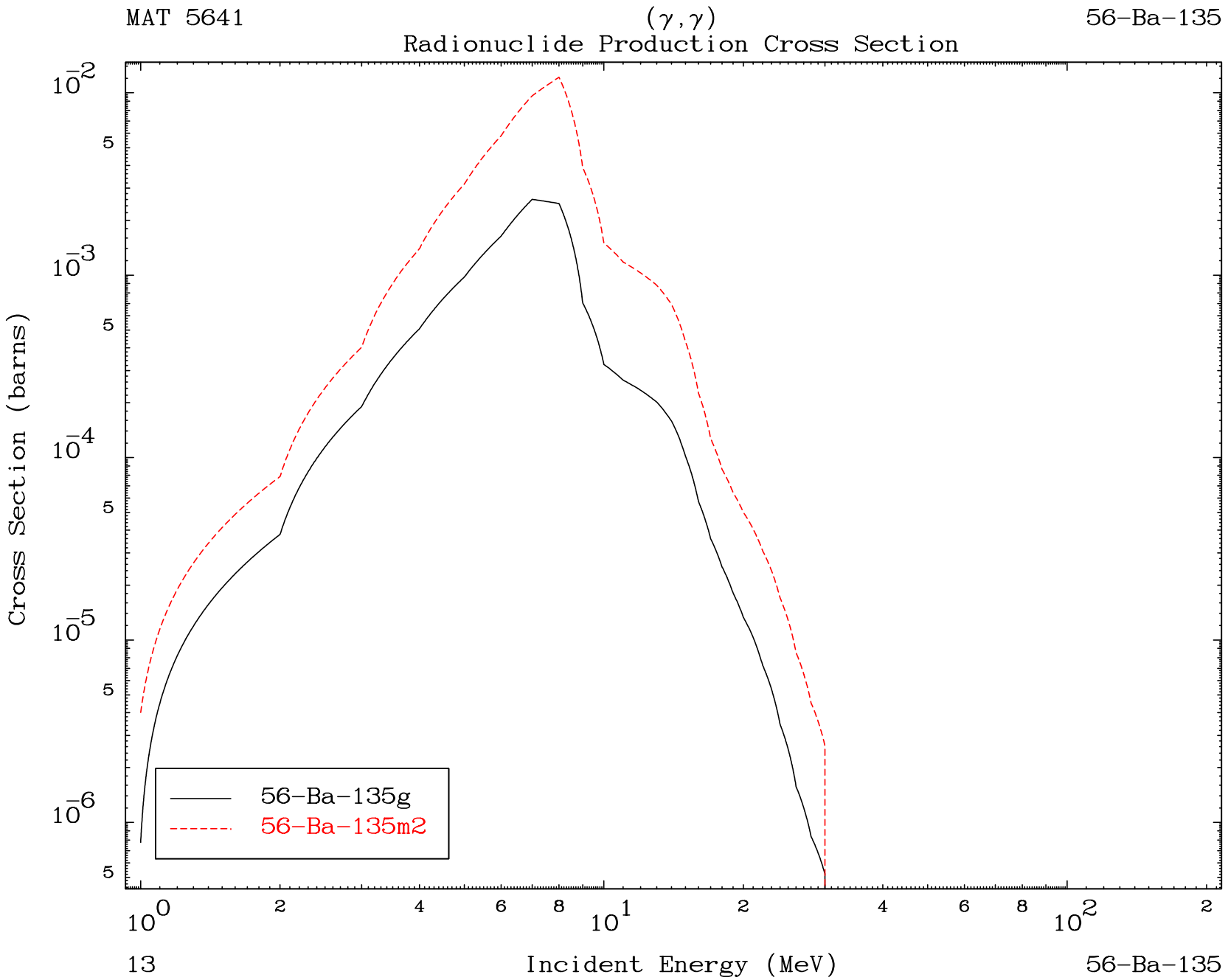

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

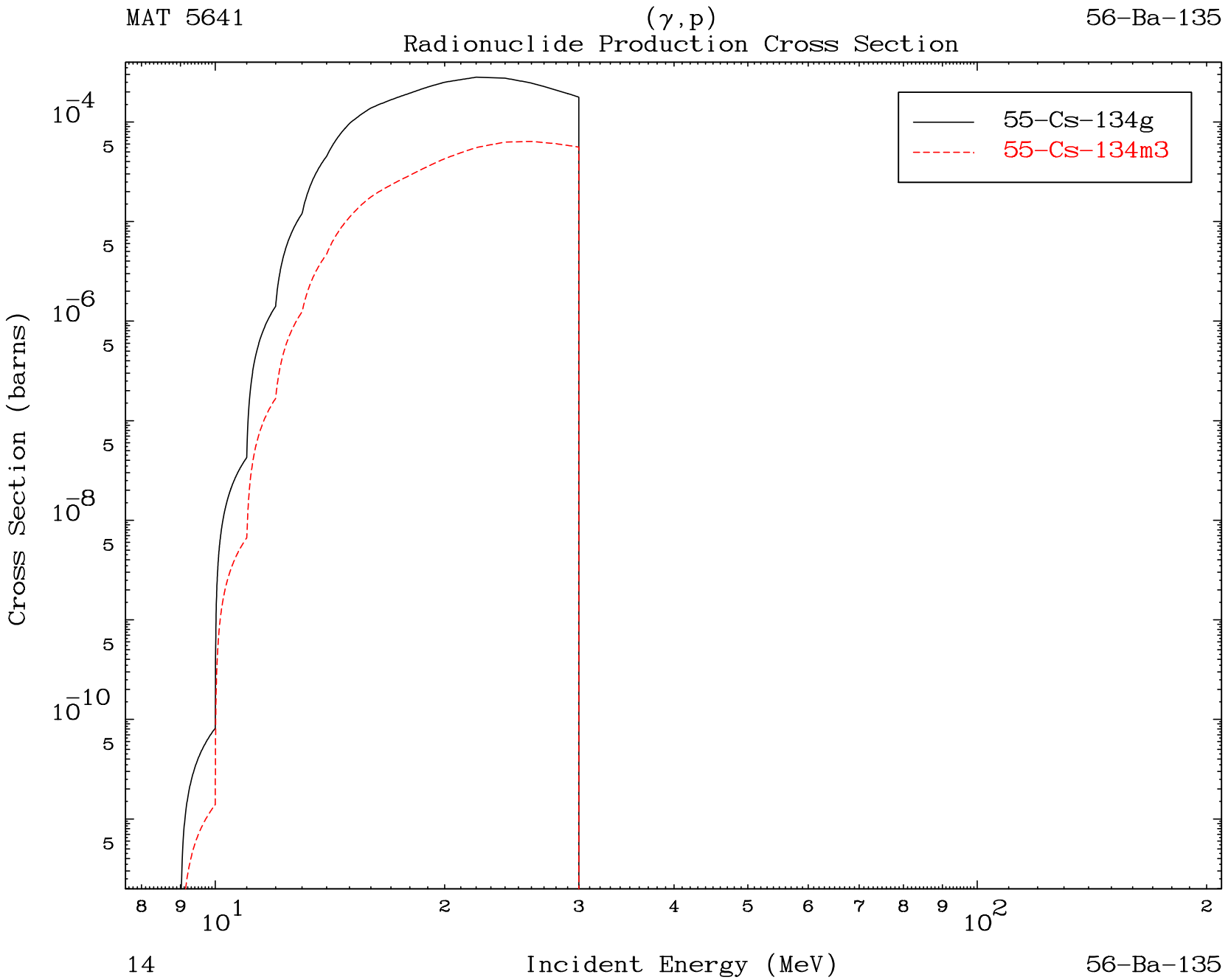

0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
5
10-10
5
5
10-12
5
5
10-14
5
5
10-16
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

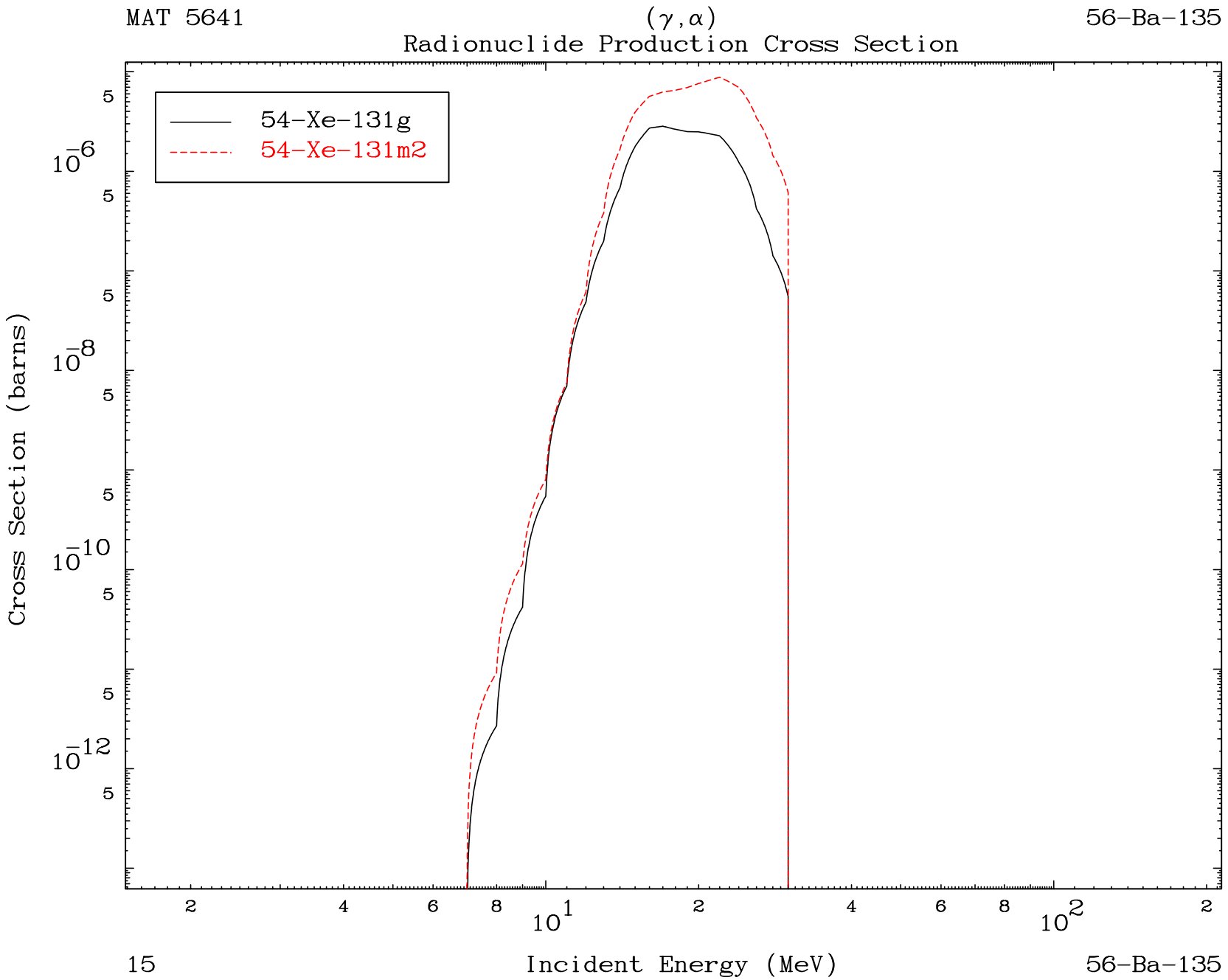

MAT 5641
(γ,α) Levels
56-Ba-135
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
6
7
8
9
10^1
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
56-Ba-135

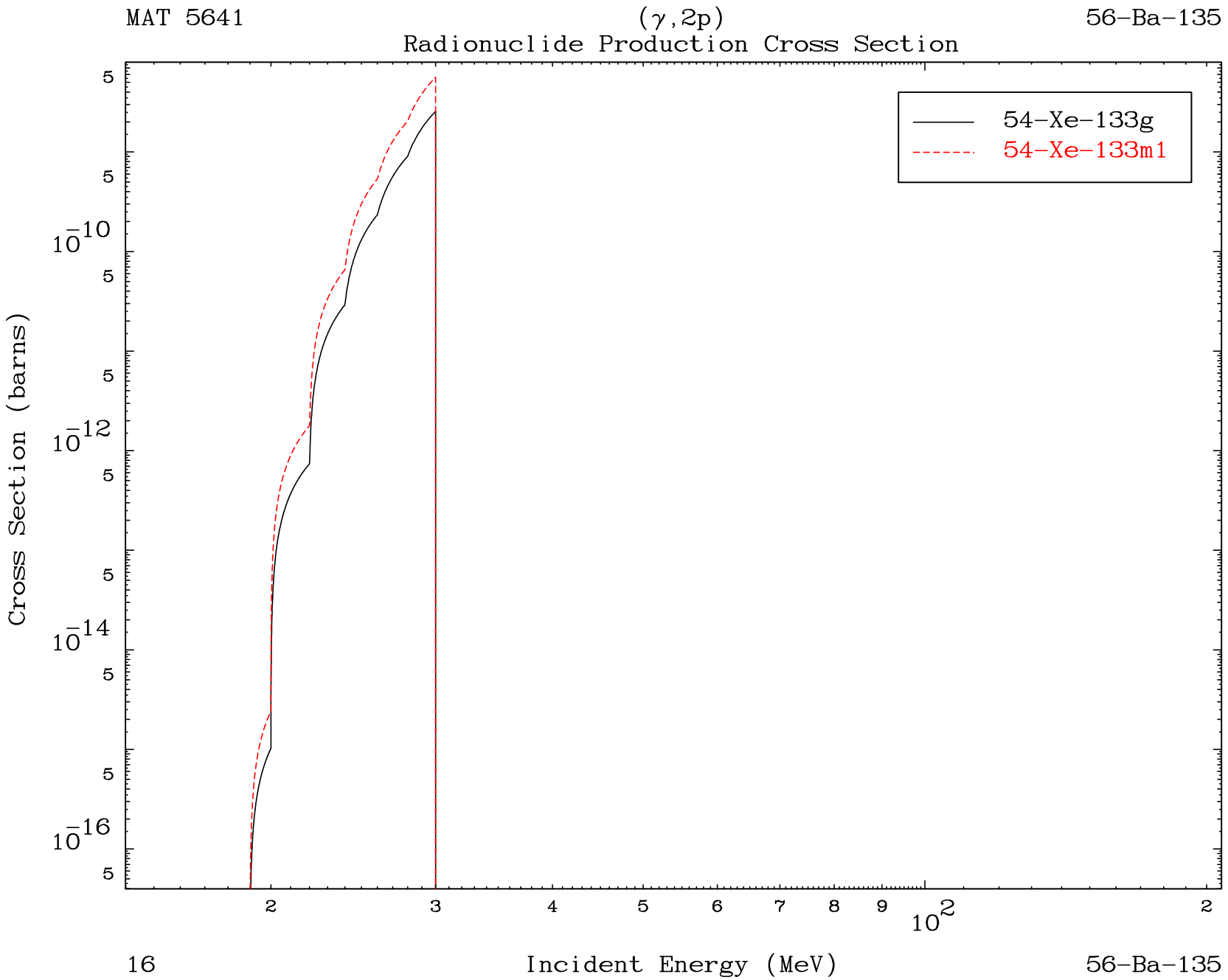

MAT 5641
(γ,2n)
56-Ba-135
Radionuclide Production Cross Section
56-Ba-133g
56-Ba-133m2
Cross Section (barns)
10^1
4
3
2
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
56-Ba-135

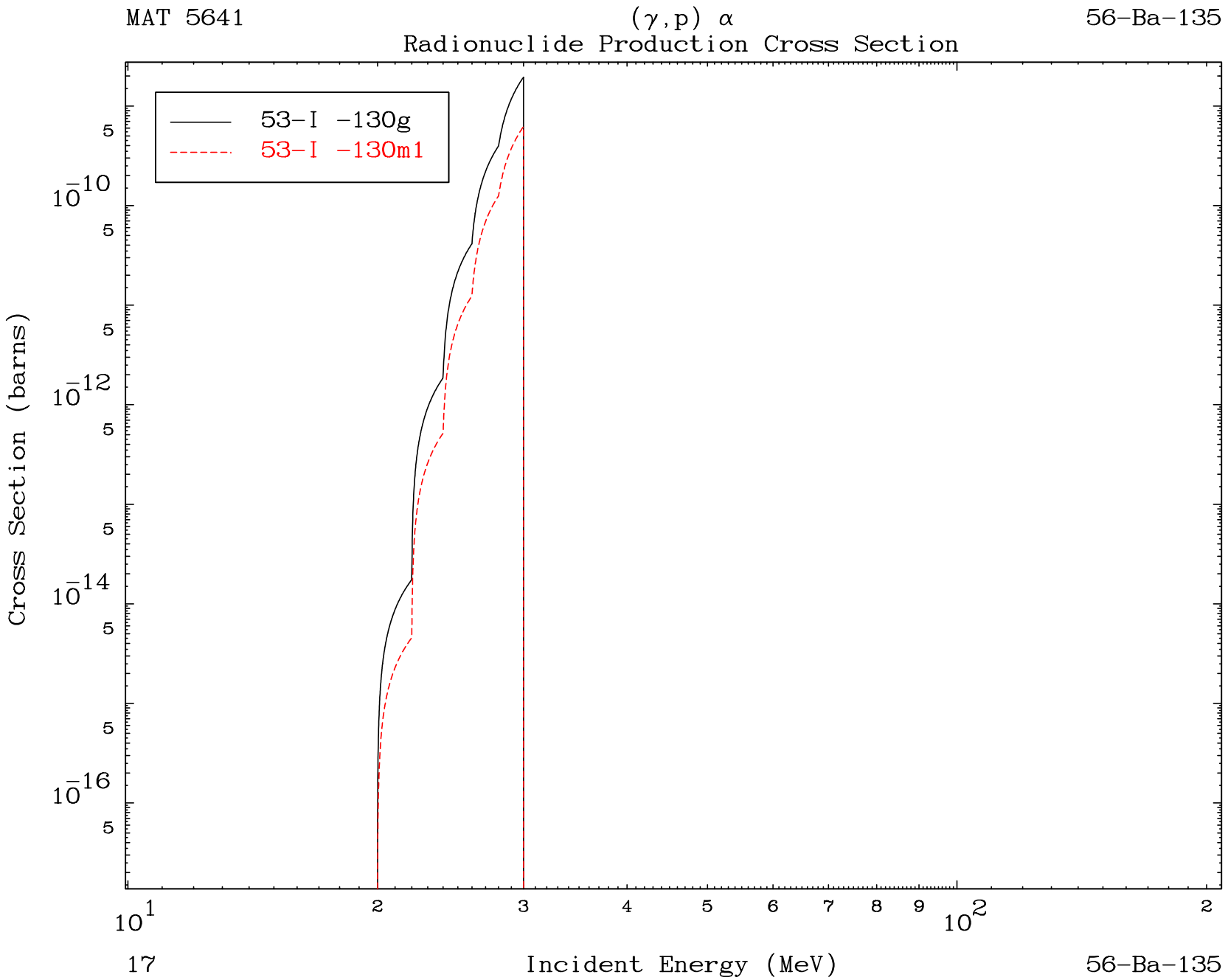

MAT 5641
(γ,2n) α
56-Ba-135
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
12
Incident Energy (MeV)
56-Ba-135


MAT 5641
(γ,γ)
56-Ba-135
Radionuclide Production Cross Section
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
5
56-Ba-135g
56-Ba-135m2
100
2
4
6
8
101
2
4
6
8
102
2
13
Incident Energy (MeV)
56-Ba-135


MAT 5641
(γ,p)
56-Ba-135
Radionuclide Production Cross Section
55-Cs-134g
55-Cs-134m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
14
56-Ba-135


MAT 5641
(γ,α)
56-Ba-135
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
15
56-Ba-135


MAT 5641
(γ,2p)
56-Ba-135
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
16
56-Ba-135


MAT 5641
(γ,p) α
56-Ba-135
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
10^1
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
56-Ba-135