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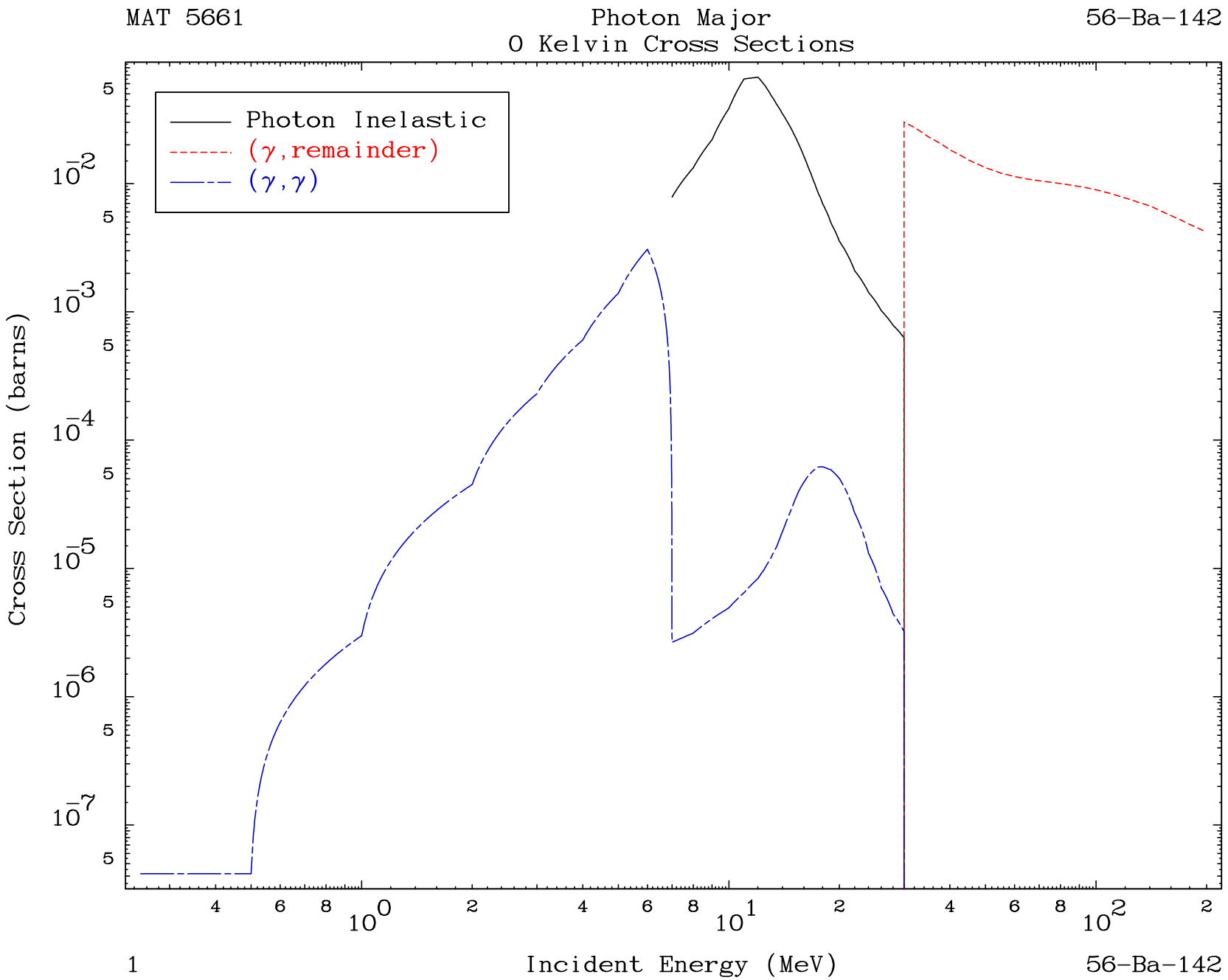
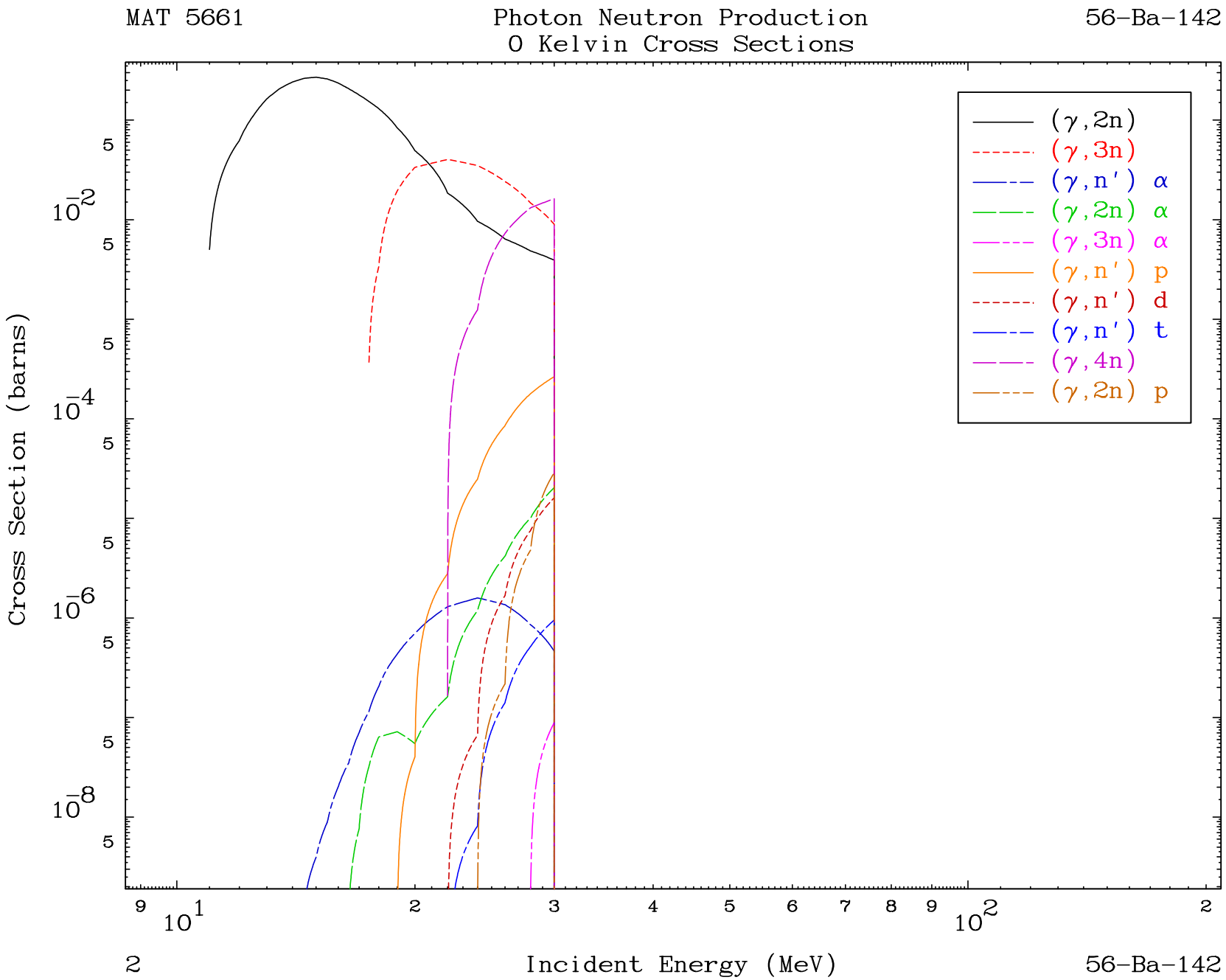
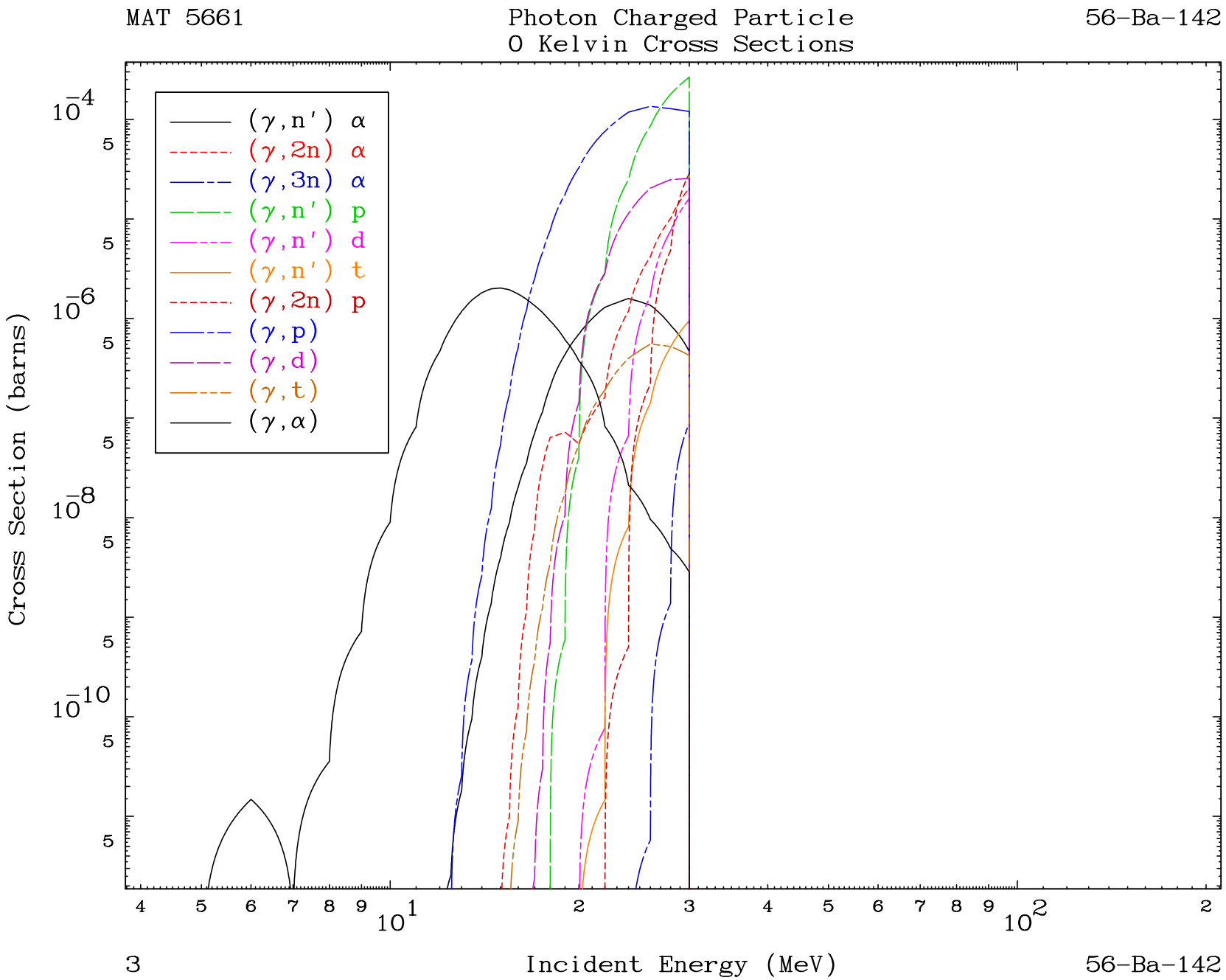
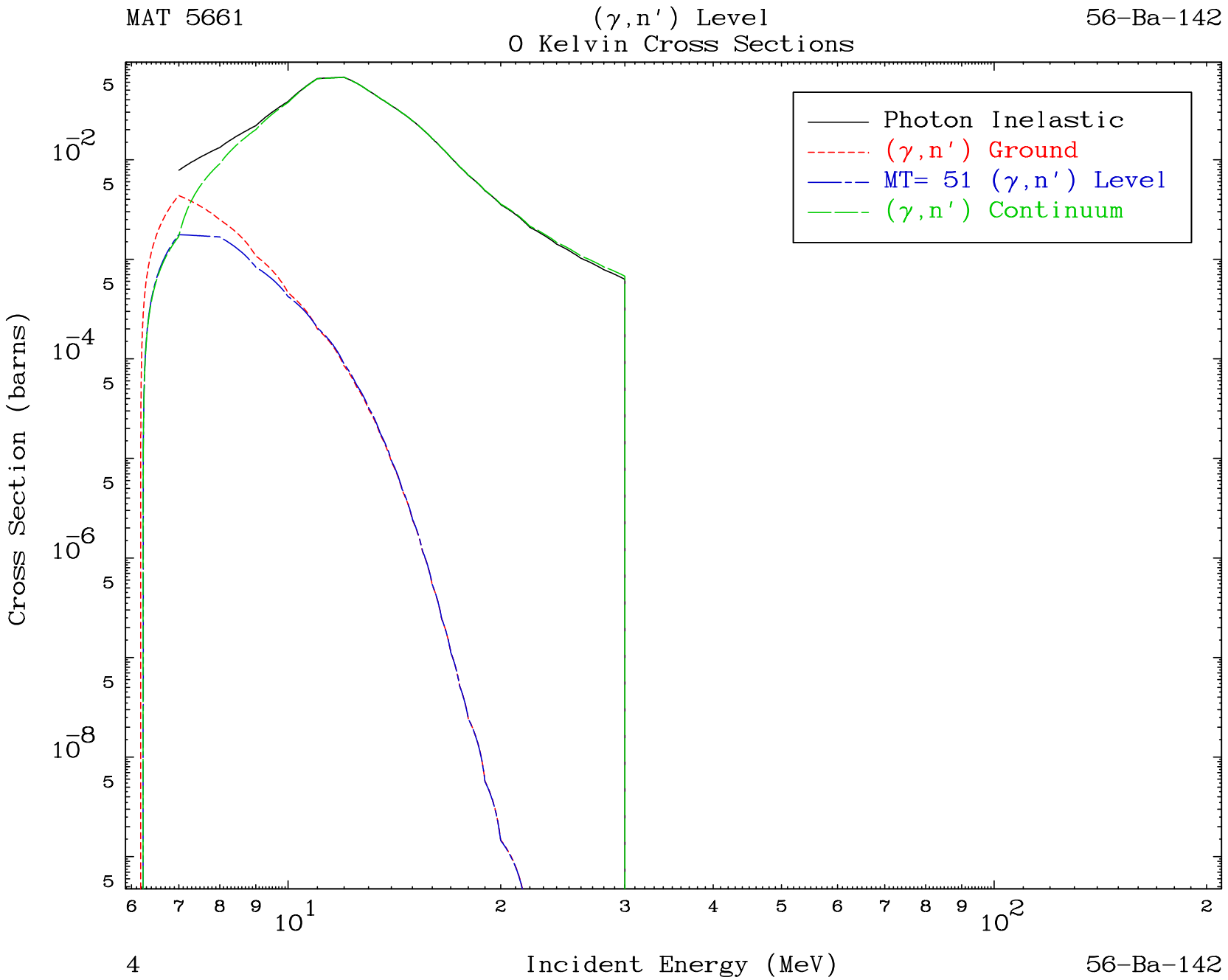
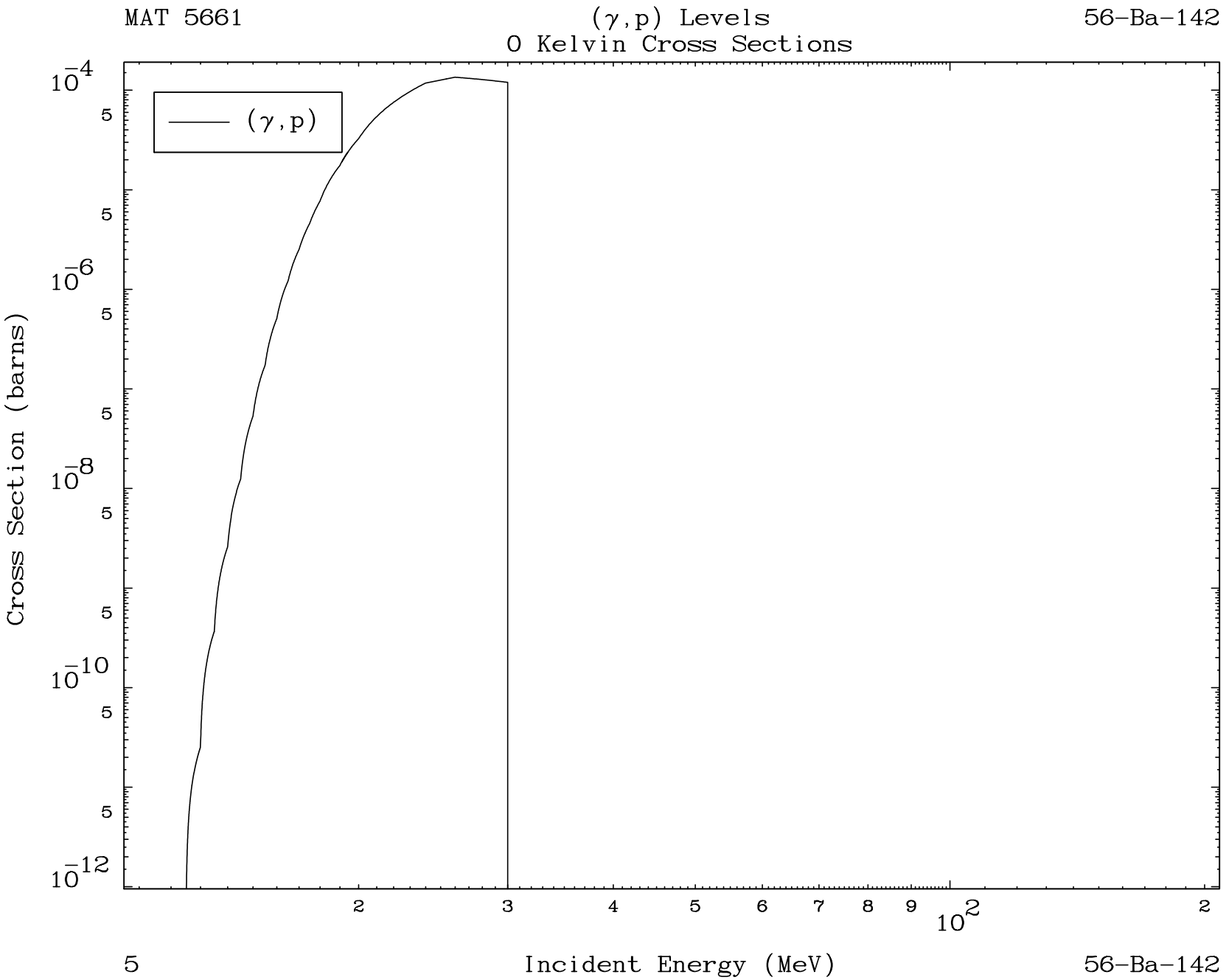
Press Mouse Button to Start

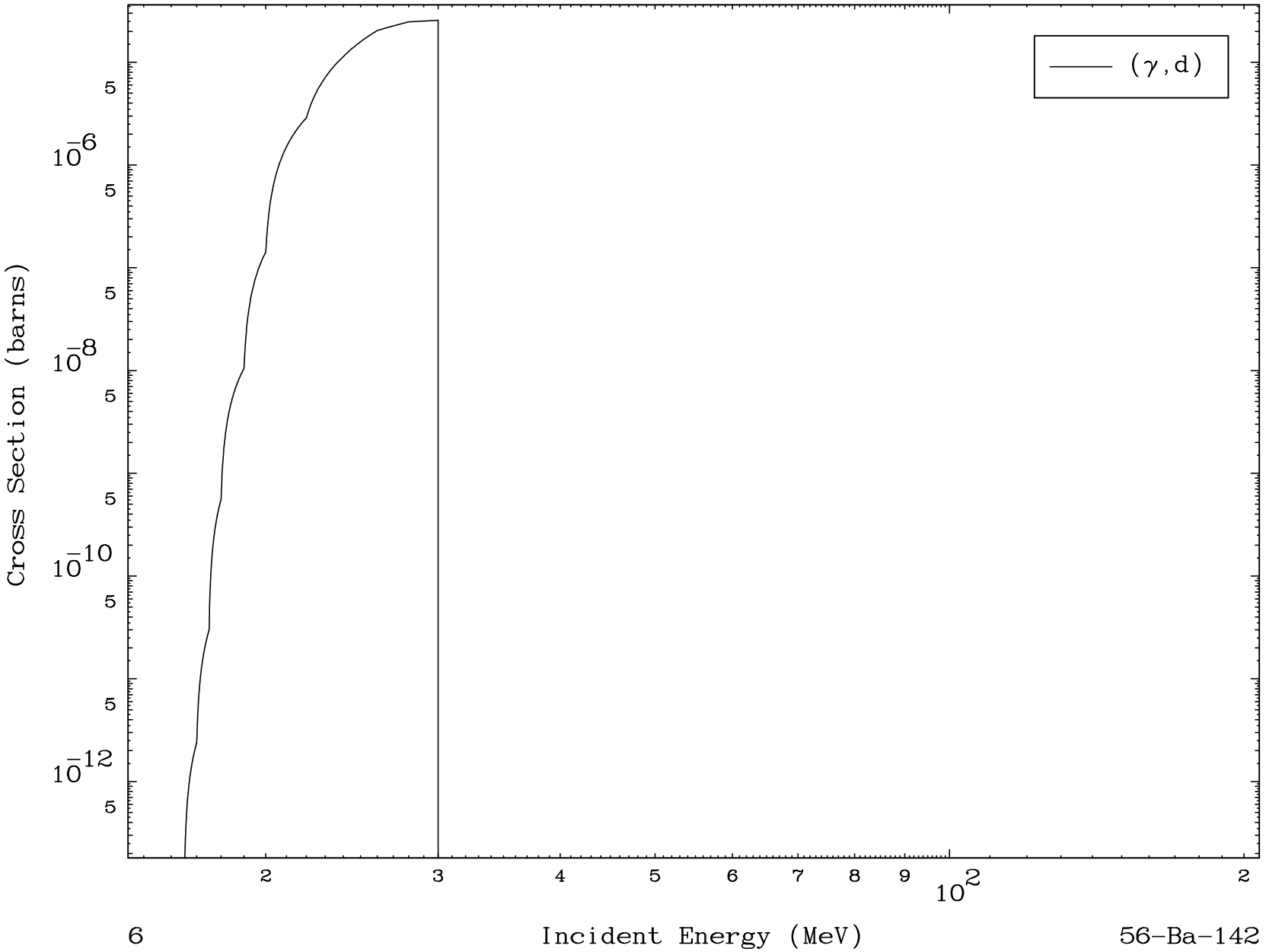

MAT 5661
Photon Major
56-Ba-142
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-142
1

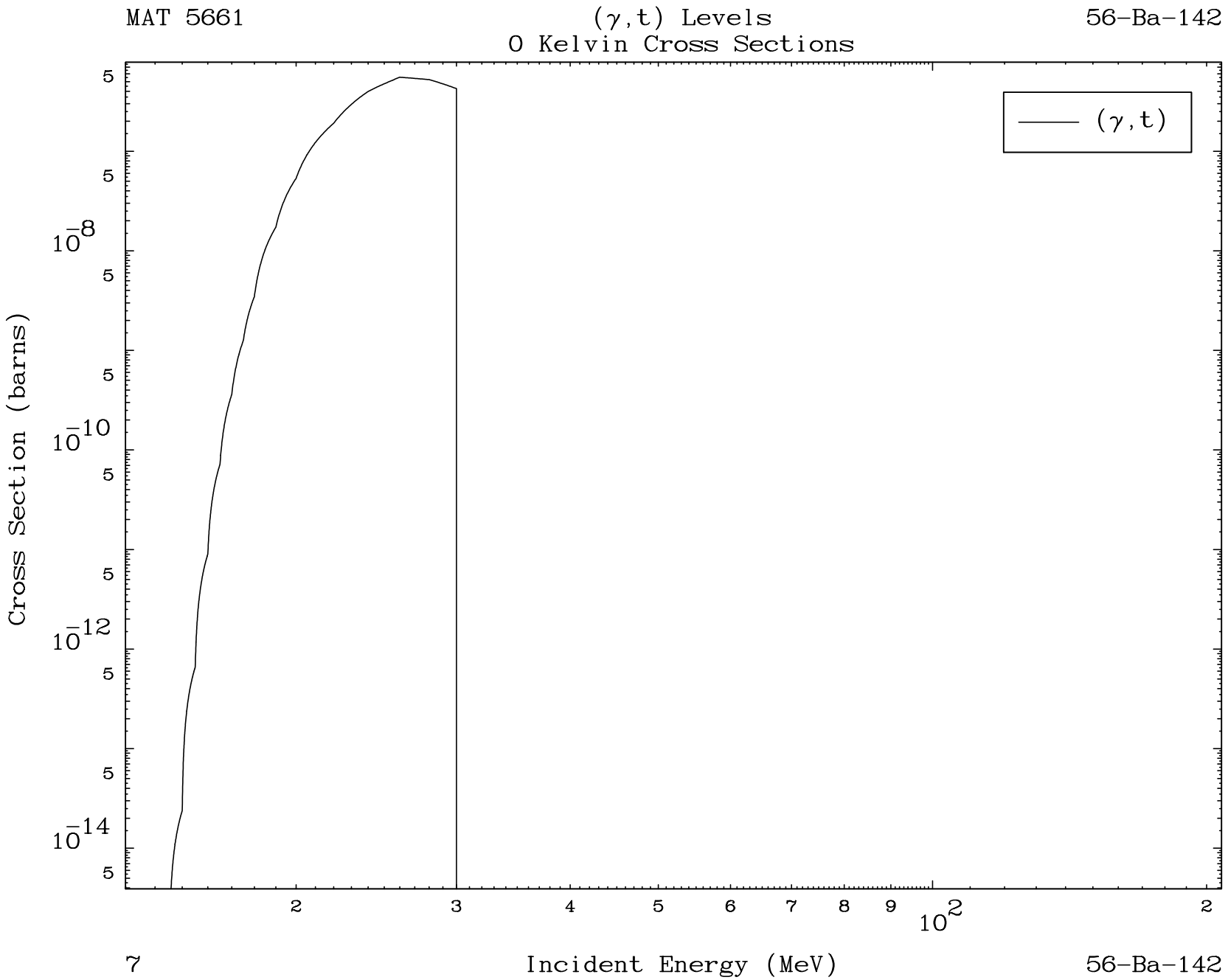

MAT 5661
Photon Neutron Production
0 Kelvin Cross Sections
56-Ba-142
Cross Section (barns)
Incident Energy (MeV)
56-Ba-142
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p

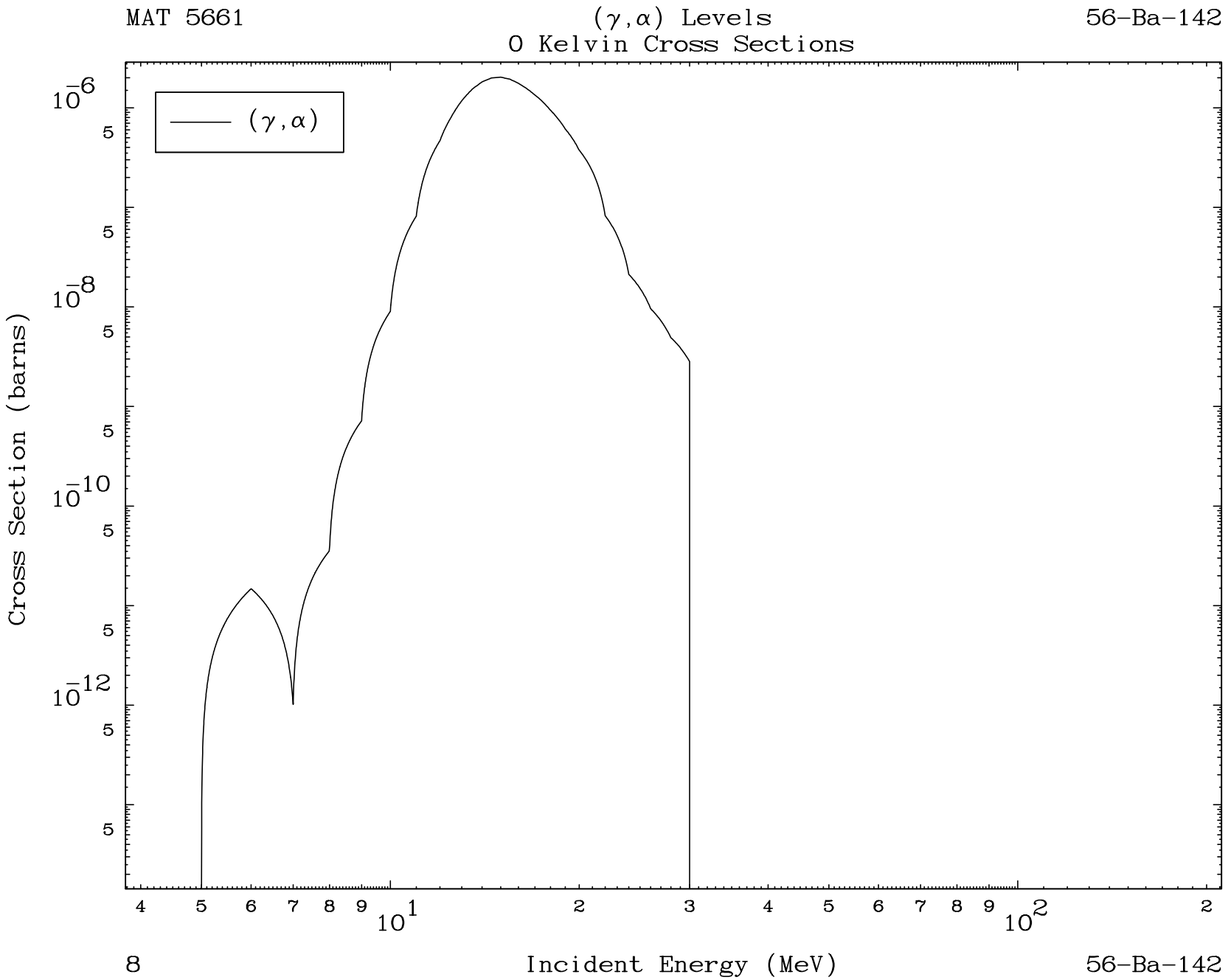

MAT 5661
Photon Charged Particle
0 Kelvin Cross Sections
56-Ba-142
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
3
56-Ba-142

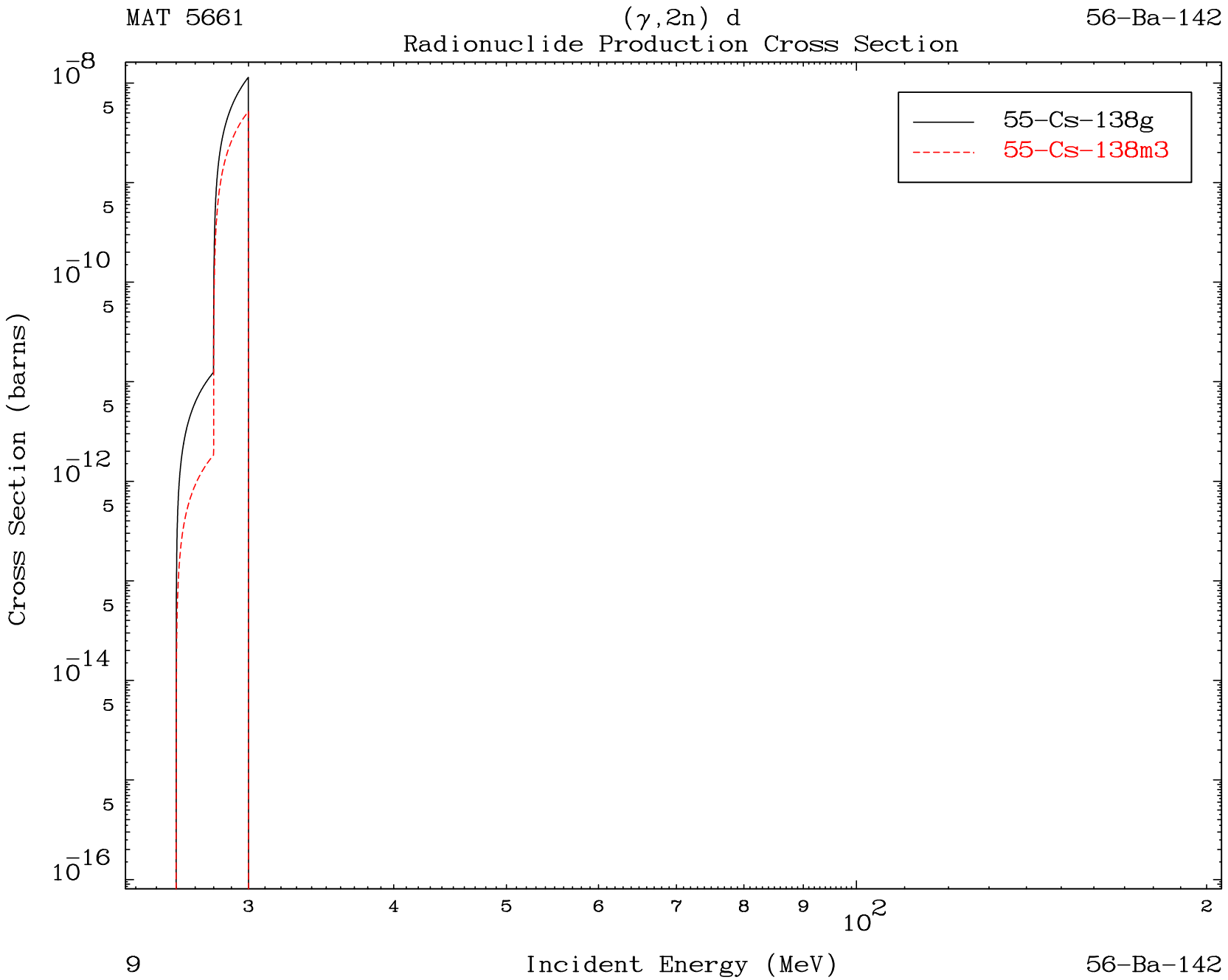

MAT 5661
(γ,n') Level
56-Ba-142
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
56-Ba-142
4

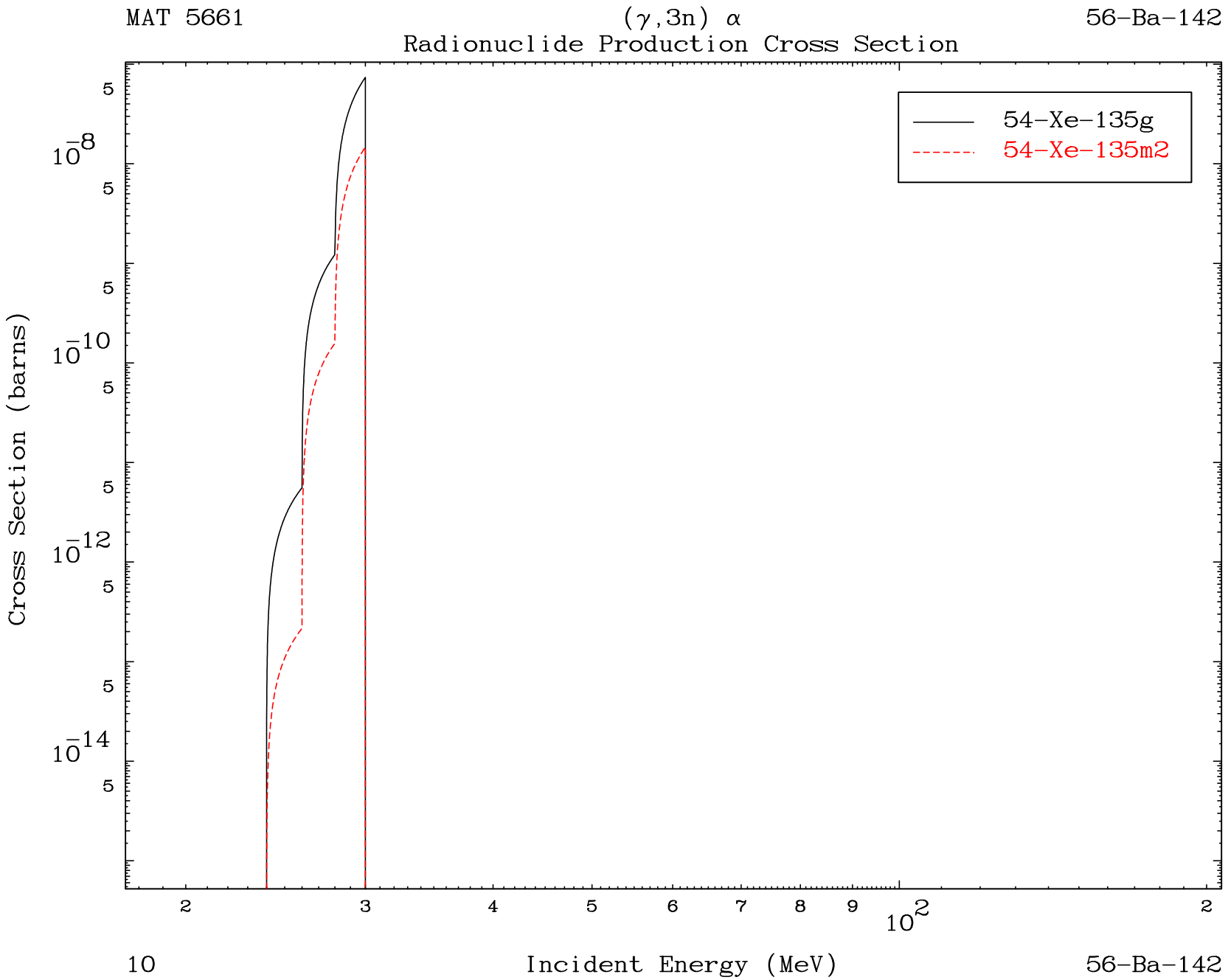

MAT 5661
(γ,p) Levels
56-Ba-142
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
56-Ba-142

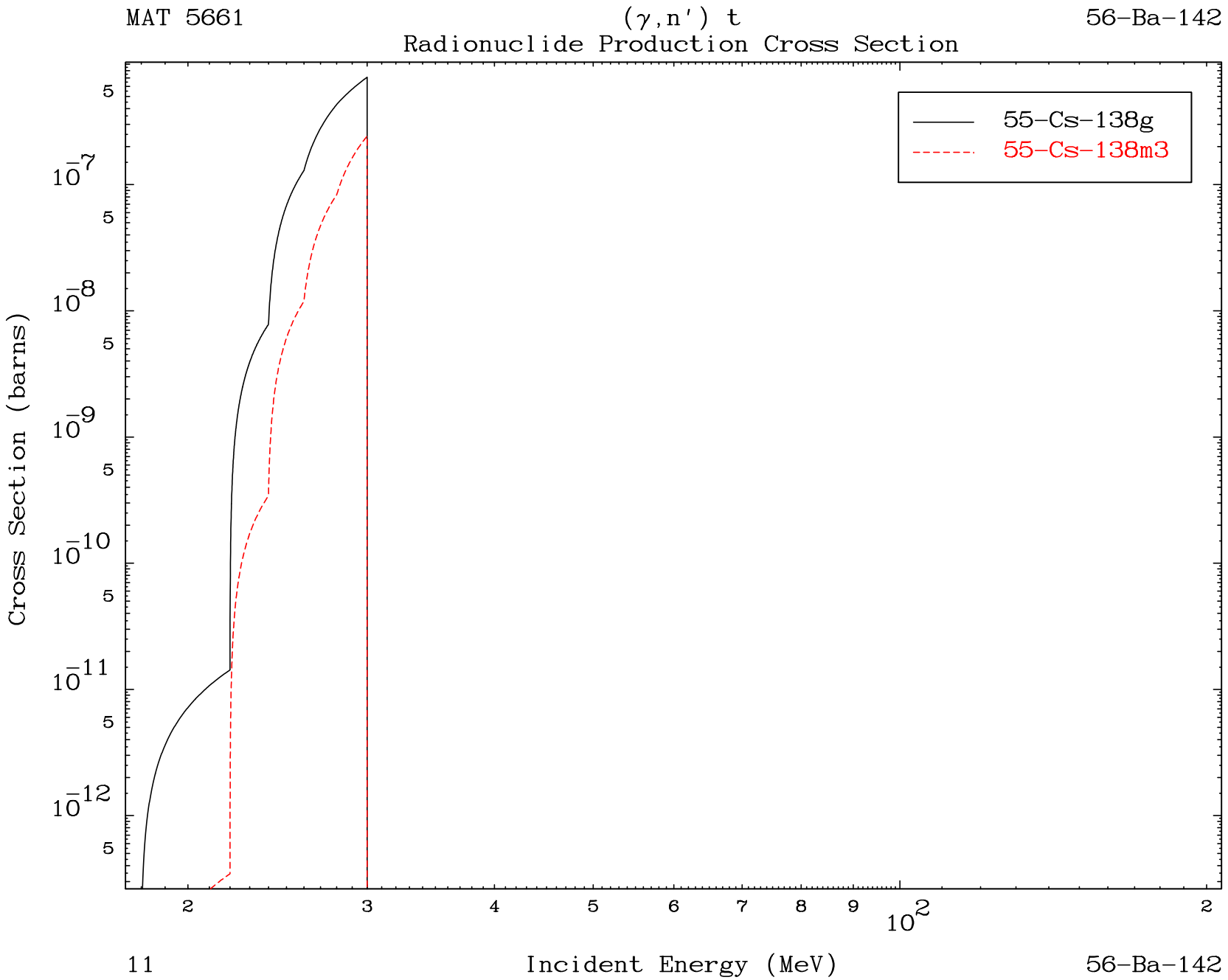

0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 5661
(γ,t) Levels
56-Ba-142
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
5
5
10-8
5
5
10-10
5
5
10-12
5
5
10-14
5
2
3
4
5
6
7
8
9
10+2
2
7
Incident Energy (MeV)
56-Ba-142


MAT 5661
(γ,α) Levels
56-Ba-142
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
Incident Energy (MeV)
10^1
10^2
8
56-Ba-142


MAT 5661
(γ,2n) d
56-Ba-142
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
Incident Energy (MeV)
9
56-Ba-142


MAT 5661
(γ,3n) α
56-Ba-142
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
10
Incident Energy (MeV)
56-Ba-142


MAT 5661
(γ,n') t
56-Ba-142
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
10^-7
10^-8
10^-9
10^-10
10^-11
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
56-Ba-142