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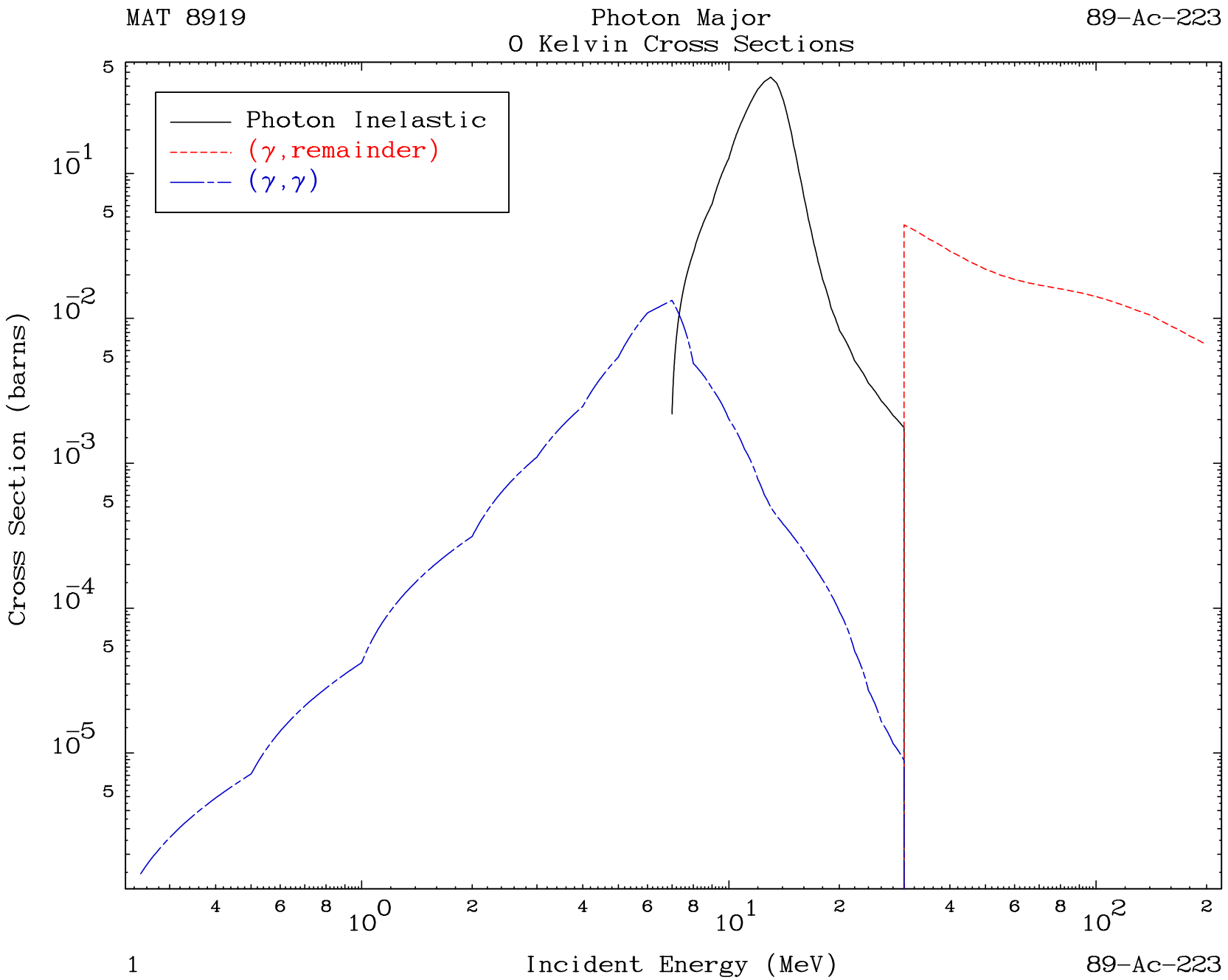
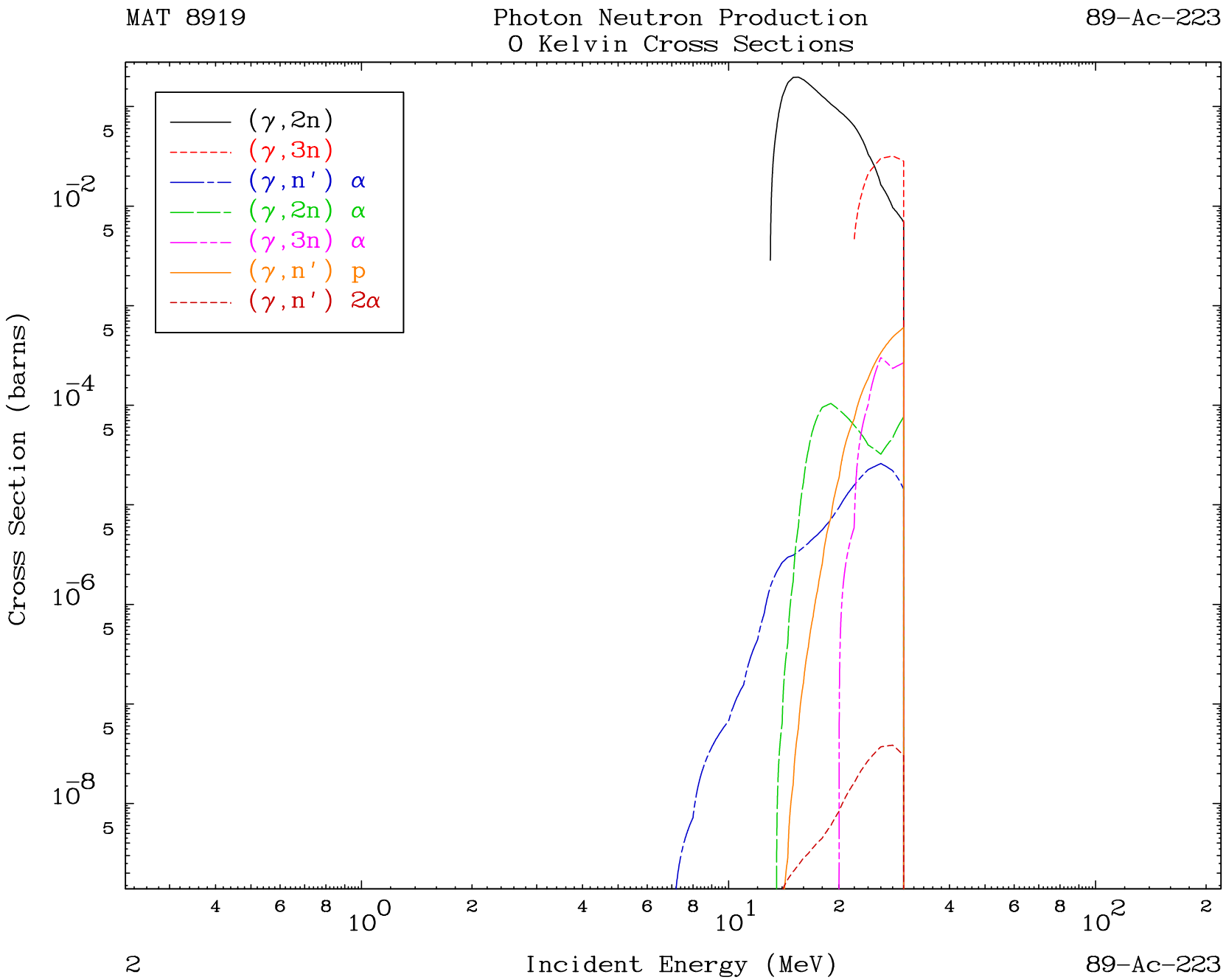
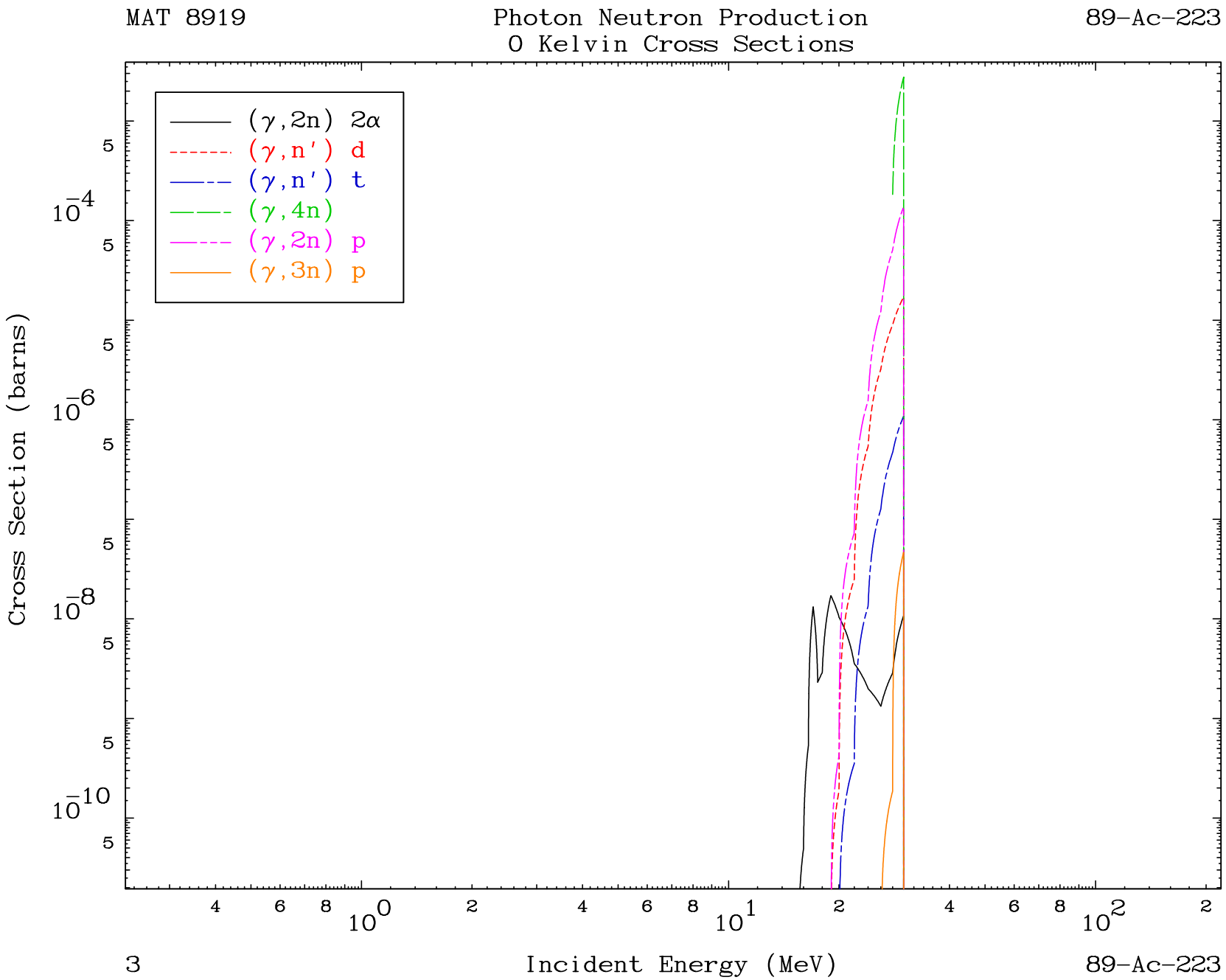
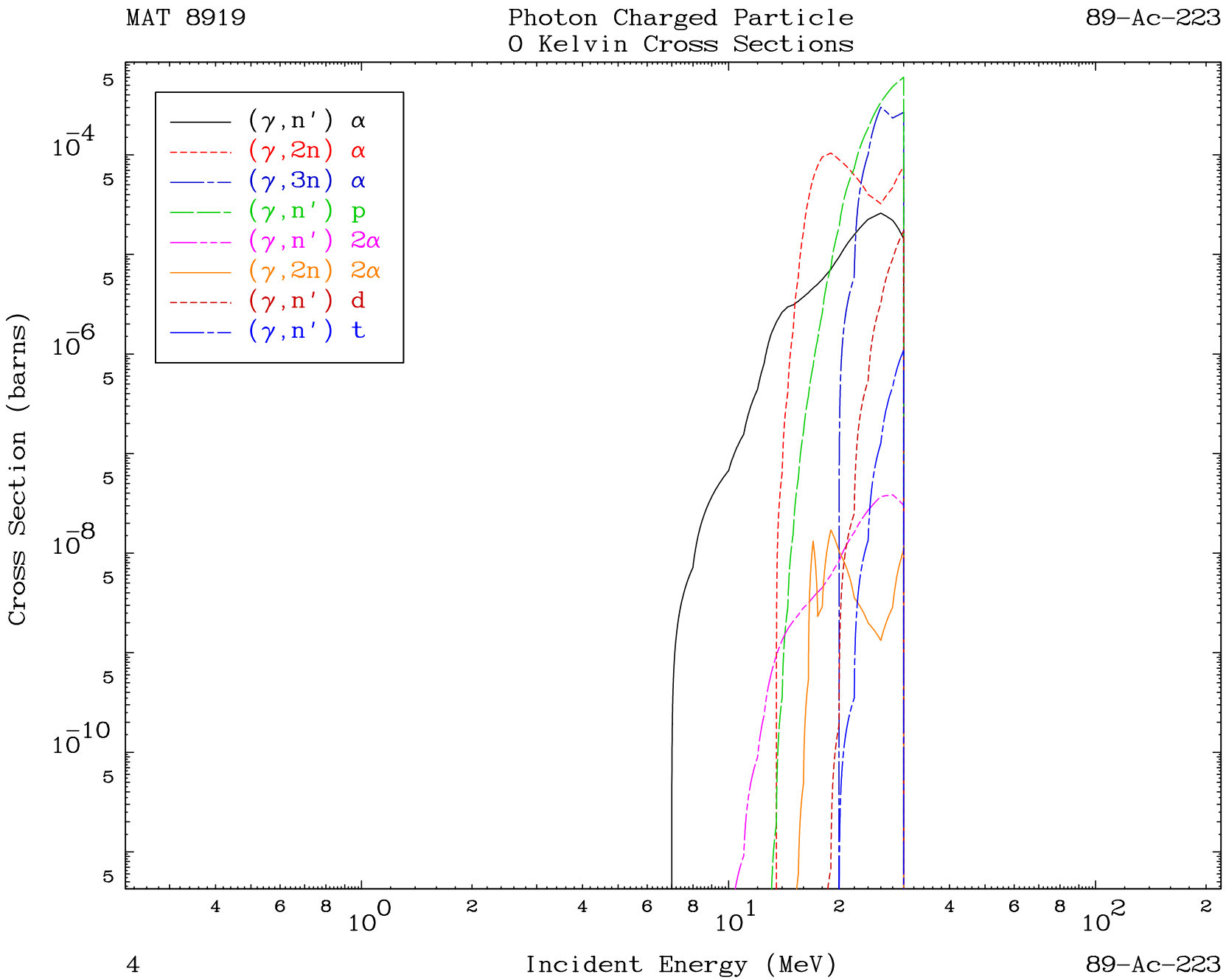
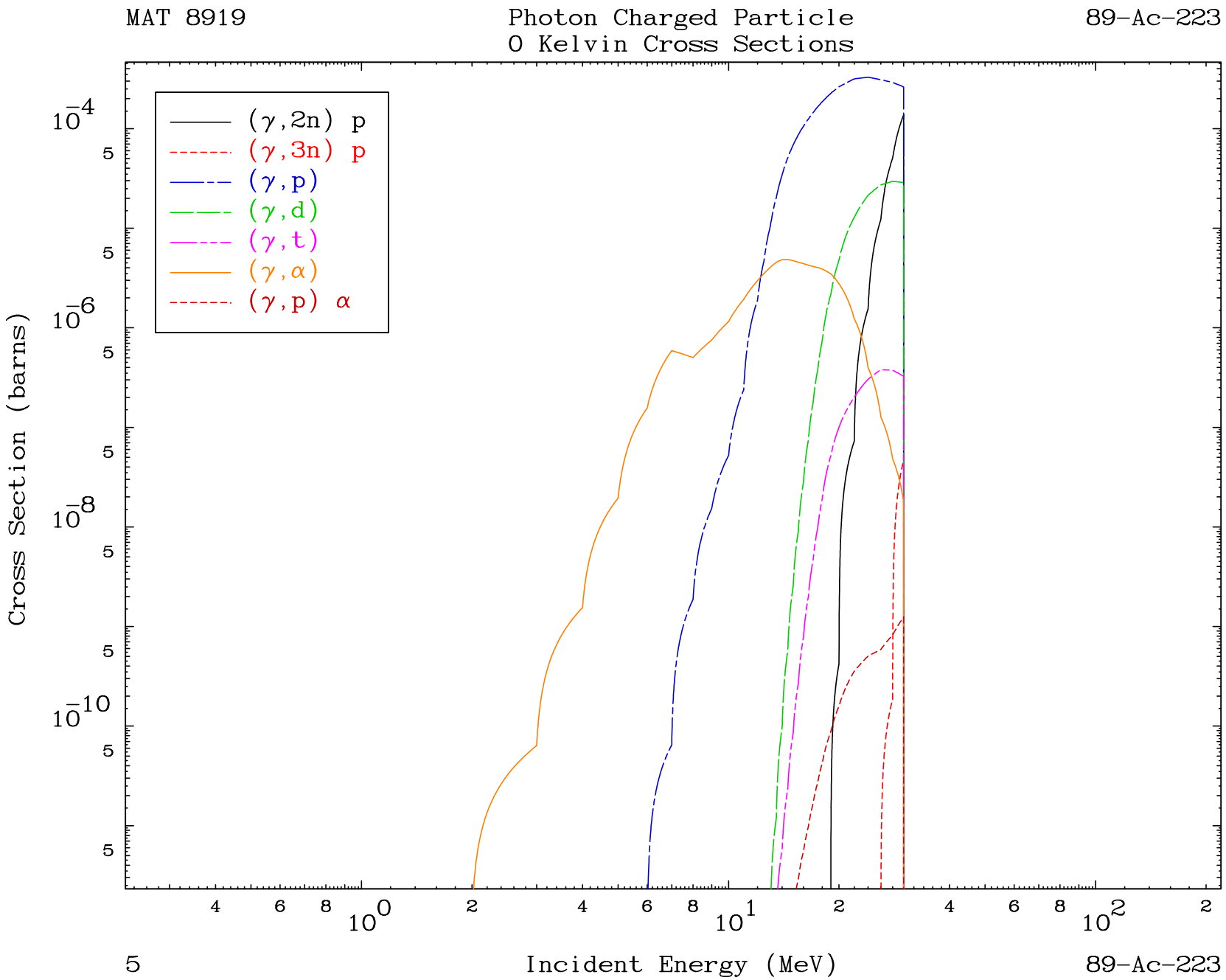
Press Mouse Button to Start

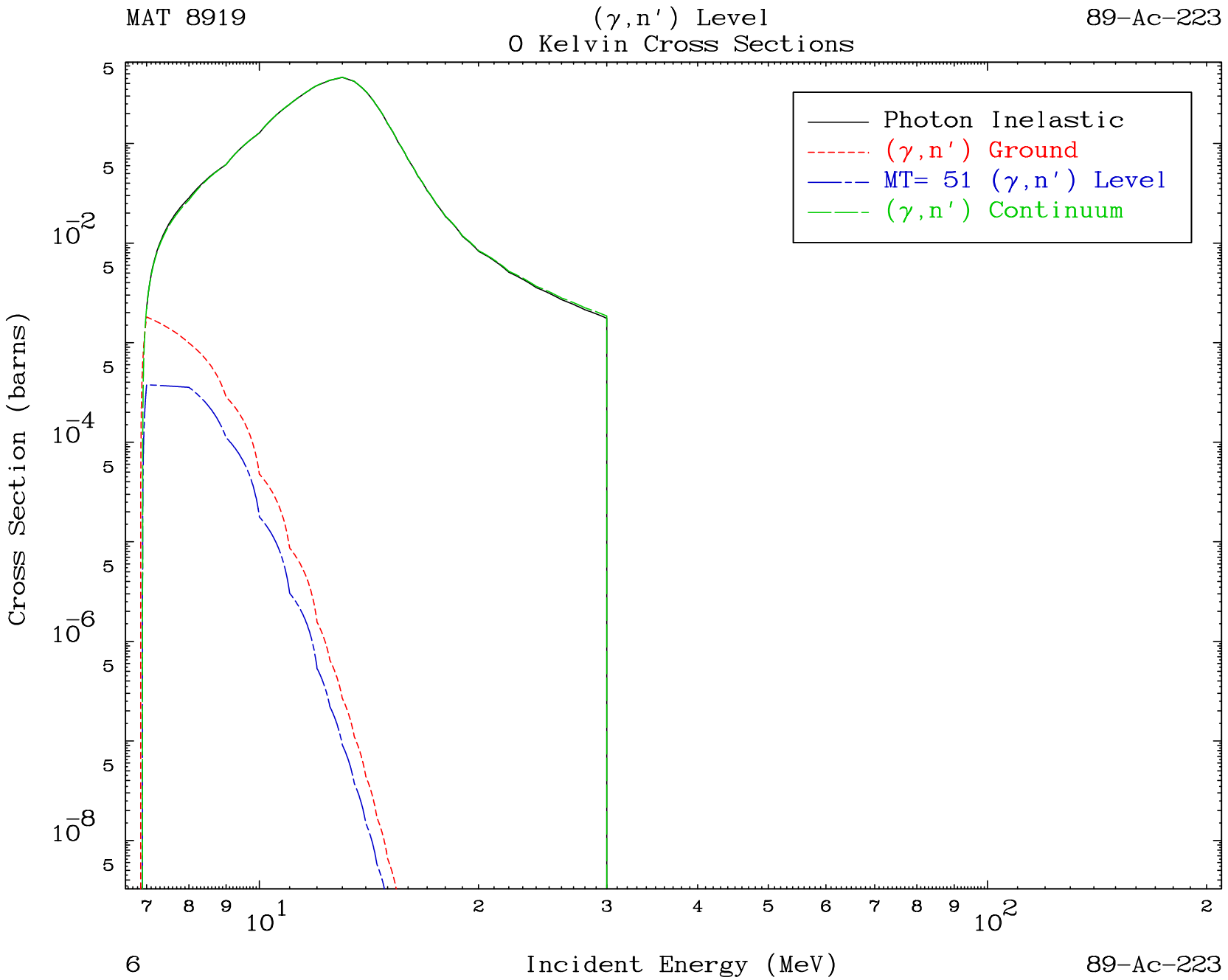

MAT 8919
Photon Major
89-Ac-223
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
89-Ac-223
1

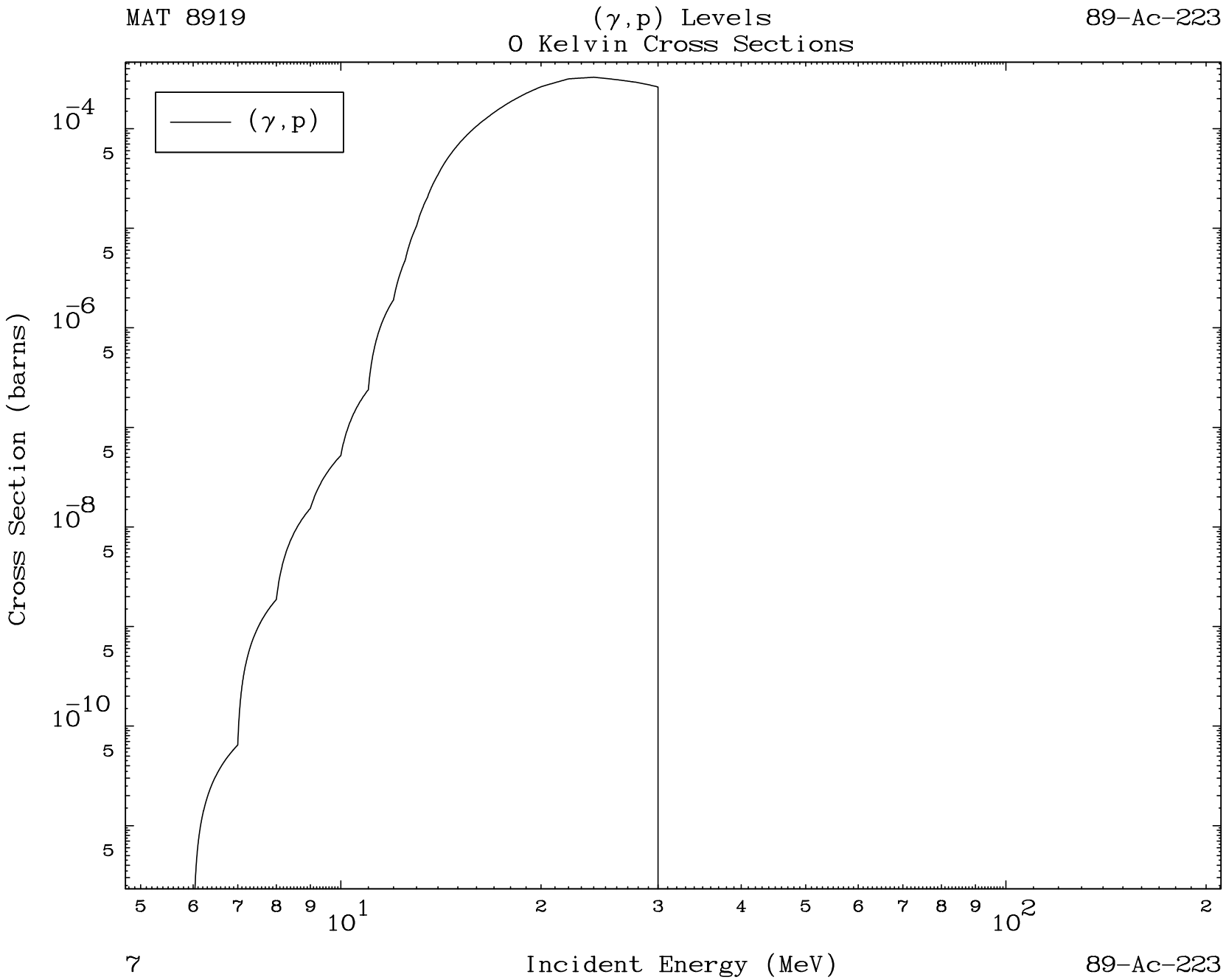

MAT 8919
Photon Neutron Production
0 Kelvin Cross Sections
89-Ac-223
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') 2α
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
2
89-Ac-223

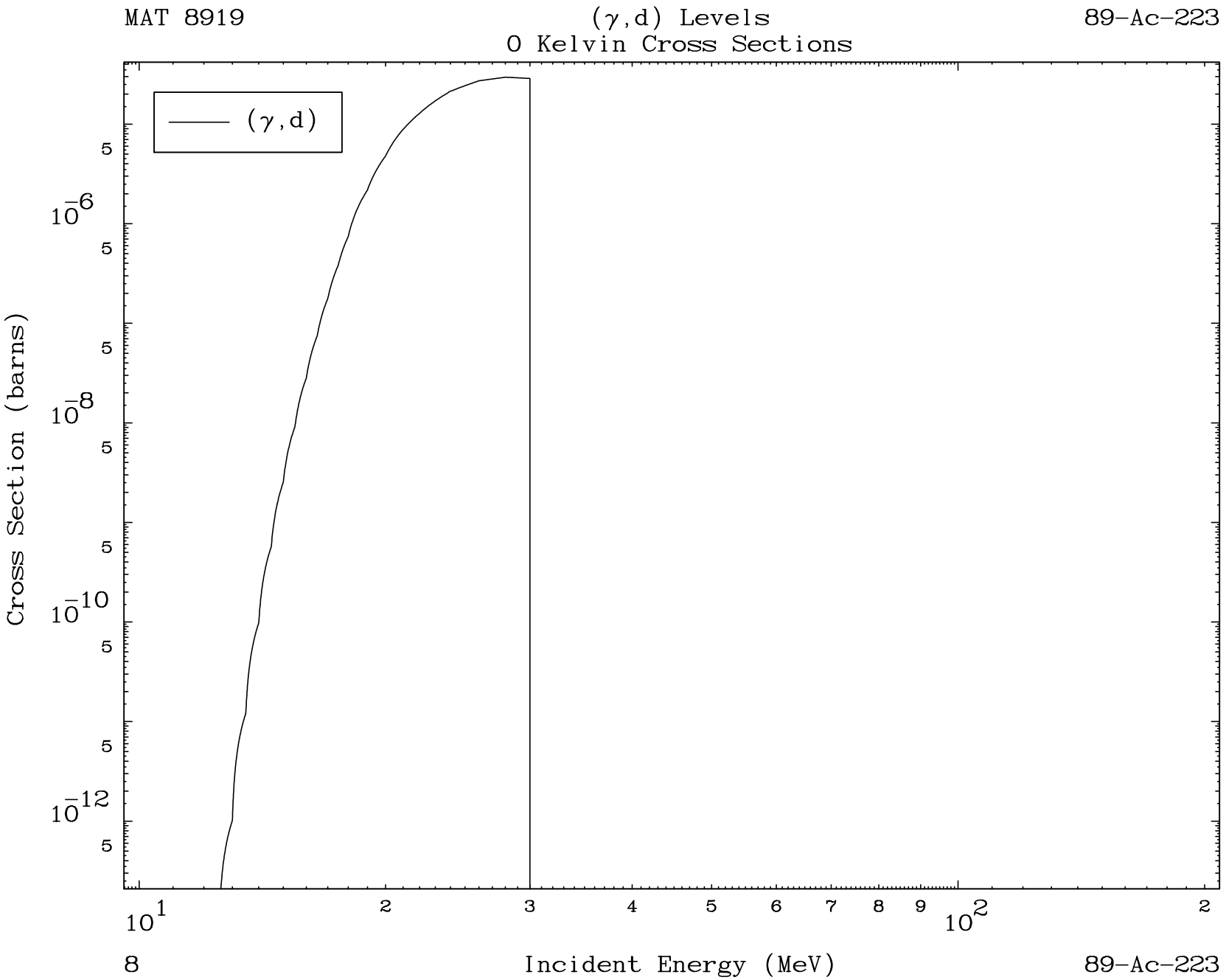

MAT 8919
Photon Neutron Production
0 Kelvin Cross Sections
89-Ac-223
(γ,2n) 2α
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p
(γ,3n) p
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
3
89-Ac-223

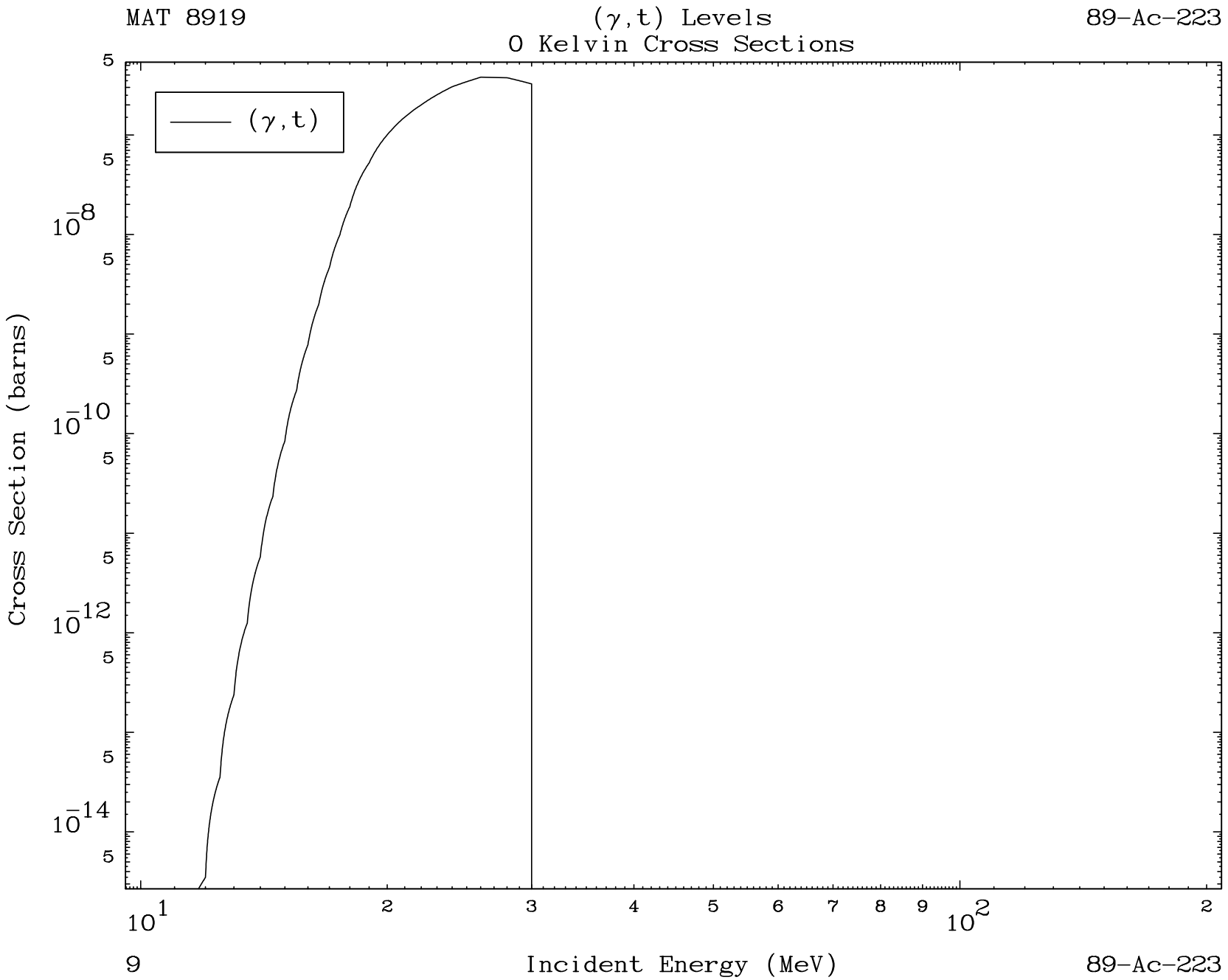

MAT 8919
Photon Charged Particle
0 Kelvin Cross Sections
89-Ac-223
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') 2α
(γ,2n) 2α
(γ,n') d
(γ,n') t
Cross Section (barns)
Incident Energy (MeV)
4
89-Ac-223

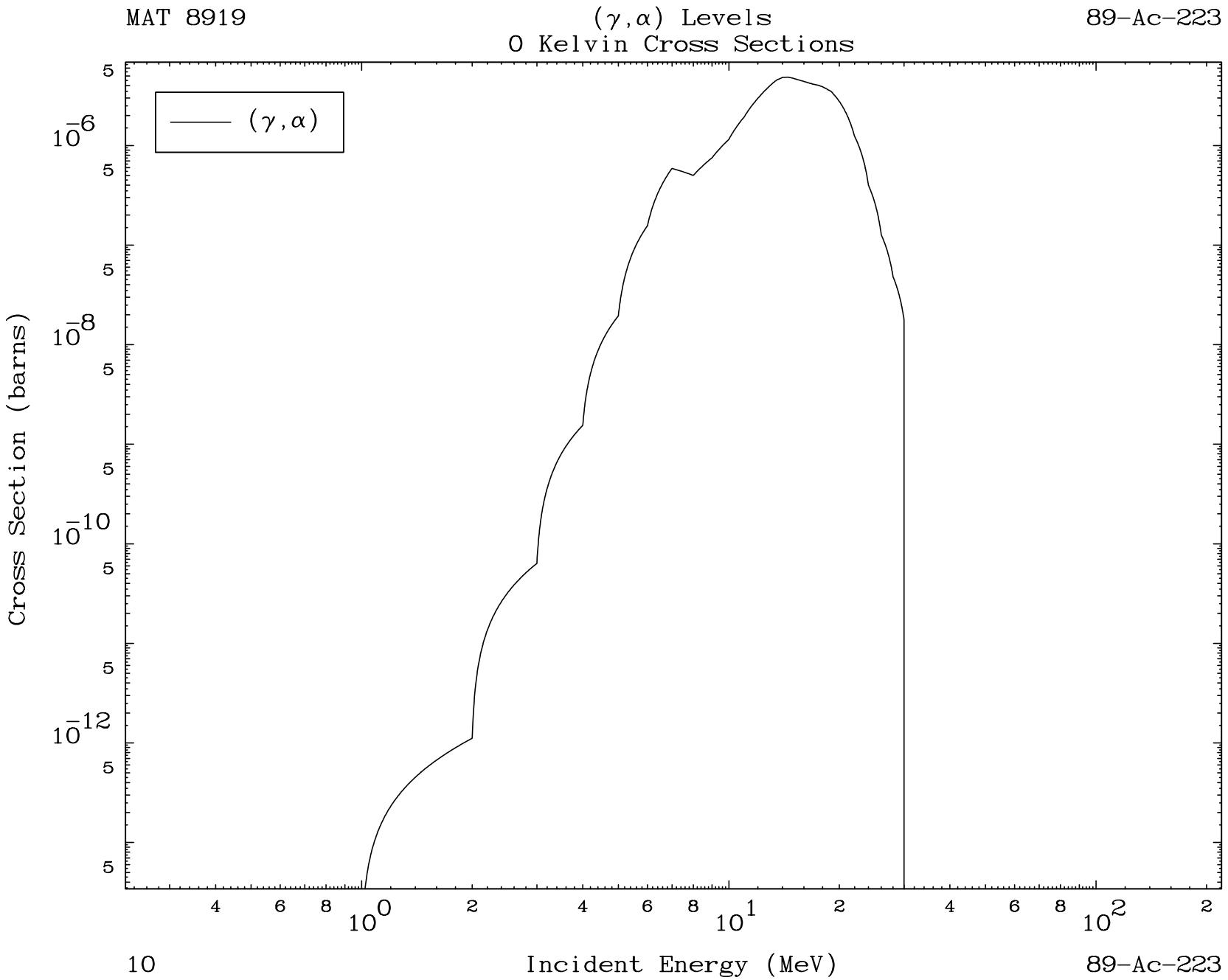

MAT 8919
Photon Charged Particle
0 Kelvin Cross Sections
89-Ac-223
(γ,2n) p
(γ,3n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
(γ,p) α
Cross Section (barns)
Incident Energy (MeV)
89-Ac-223
5

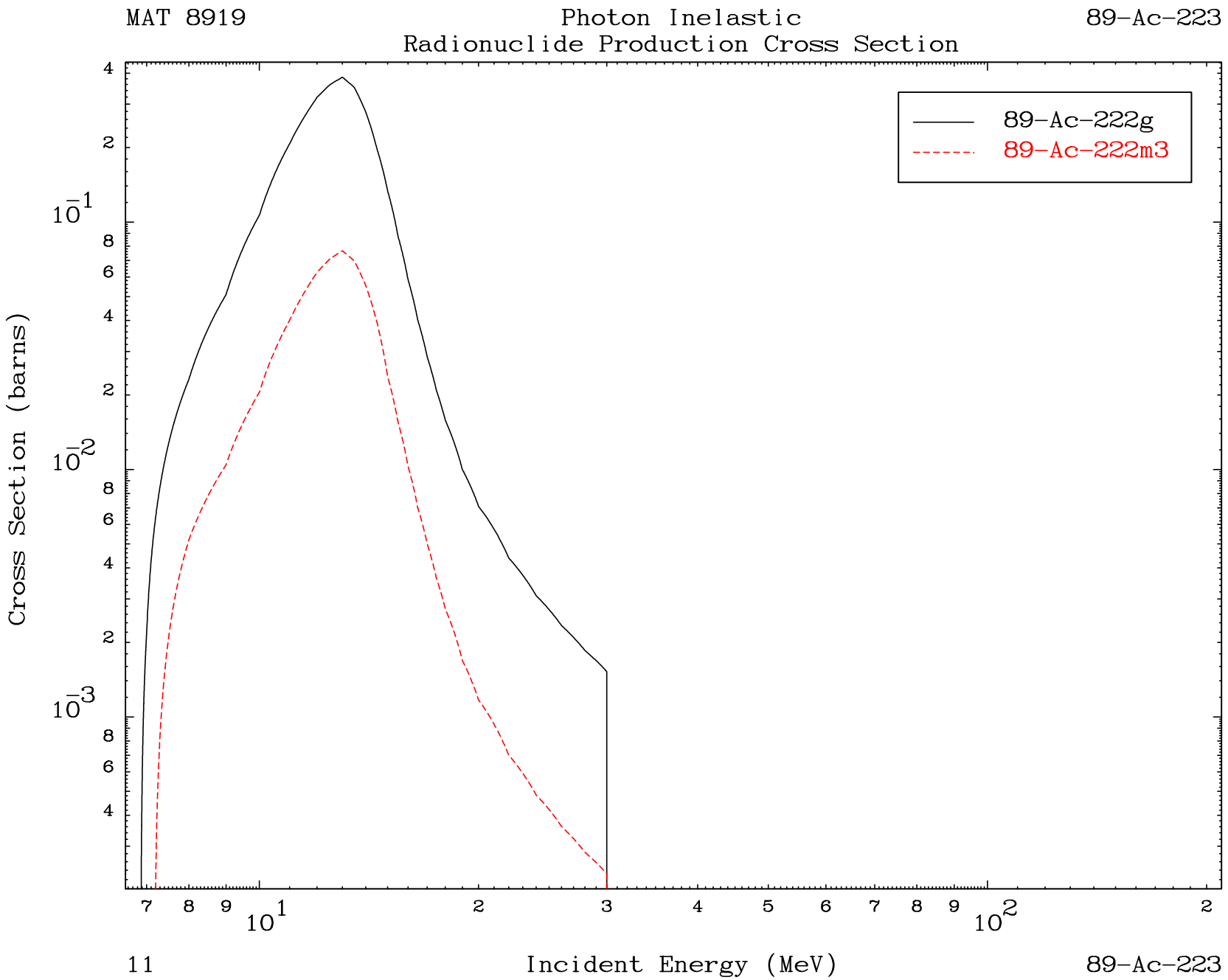

MAT 8919
(γ,n') Level
89-Ac-223
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
89-Ac-223
6

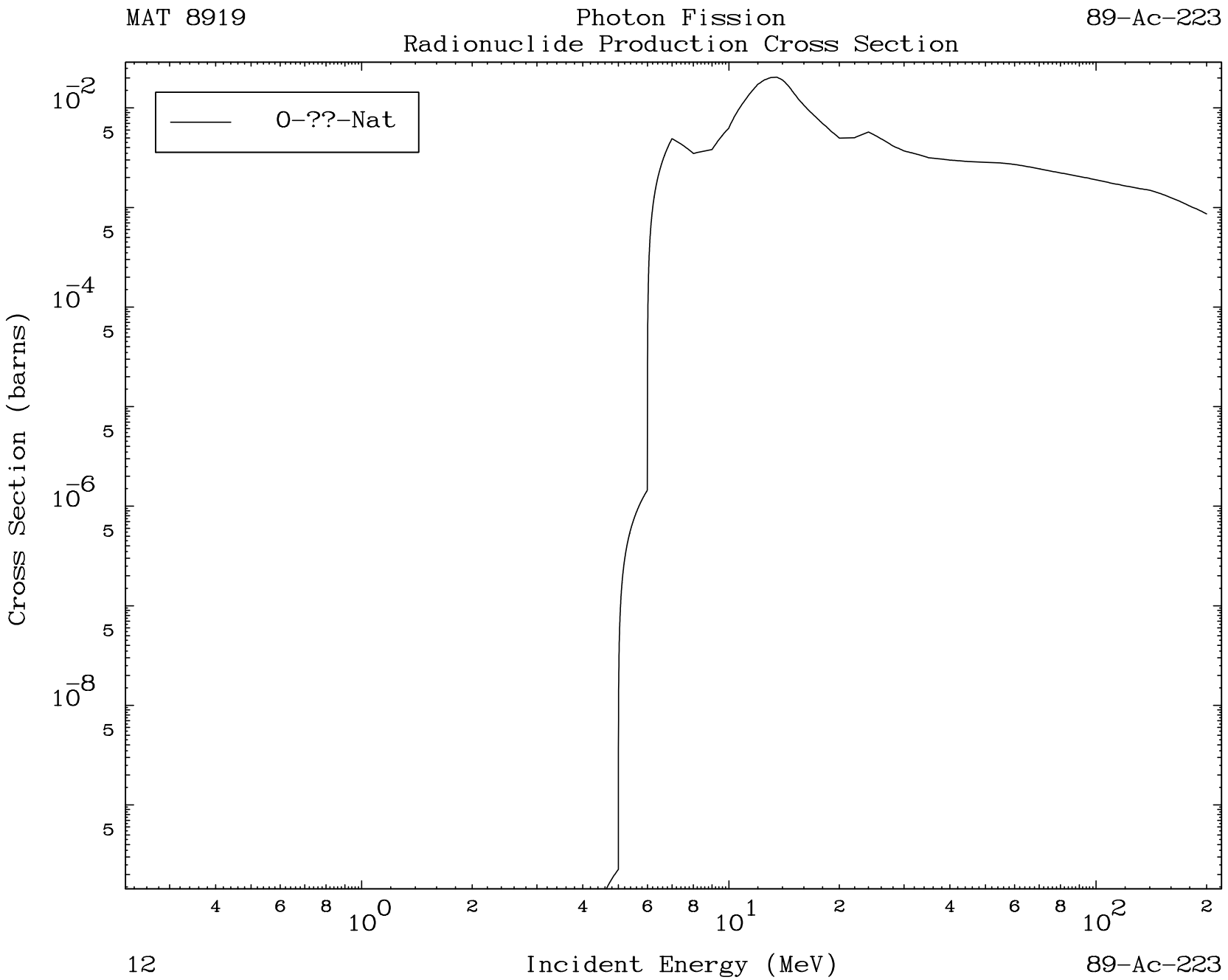

MAT 8919
(γ,p) Levels
89-Ac-223
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
7
89-Ac-223


MAT 8919
(γ,d) Levels
89-Ac-223
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
89-Ac-223


MAT 8919
(γ,t) Levels
89-Ac-223
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
Incident Energy (MeV)
89-Ac-223
9


MAT 8919
(γ,α) Levels
89-Ac-223
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
89-Ac-223


MAT 8919
Photon Inelastic
89-Ac-223
Radionuclide Production Cross Section
89-Ac-222g
89-Ac-222m3
Cross Section (barns)
Incident Energy (MeV)
11
89-Ac-223


MAT 8919
Photon Fission
89-Ac-223
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
89-Ac-223