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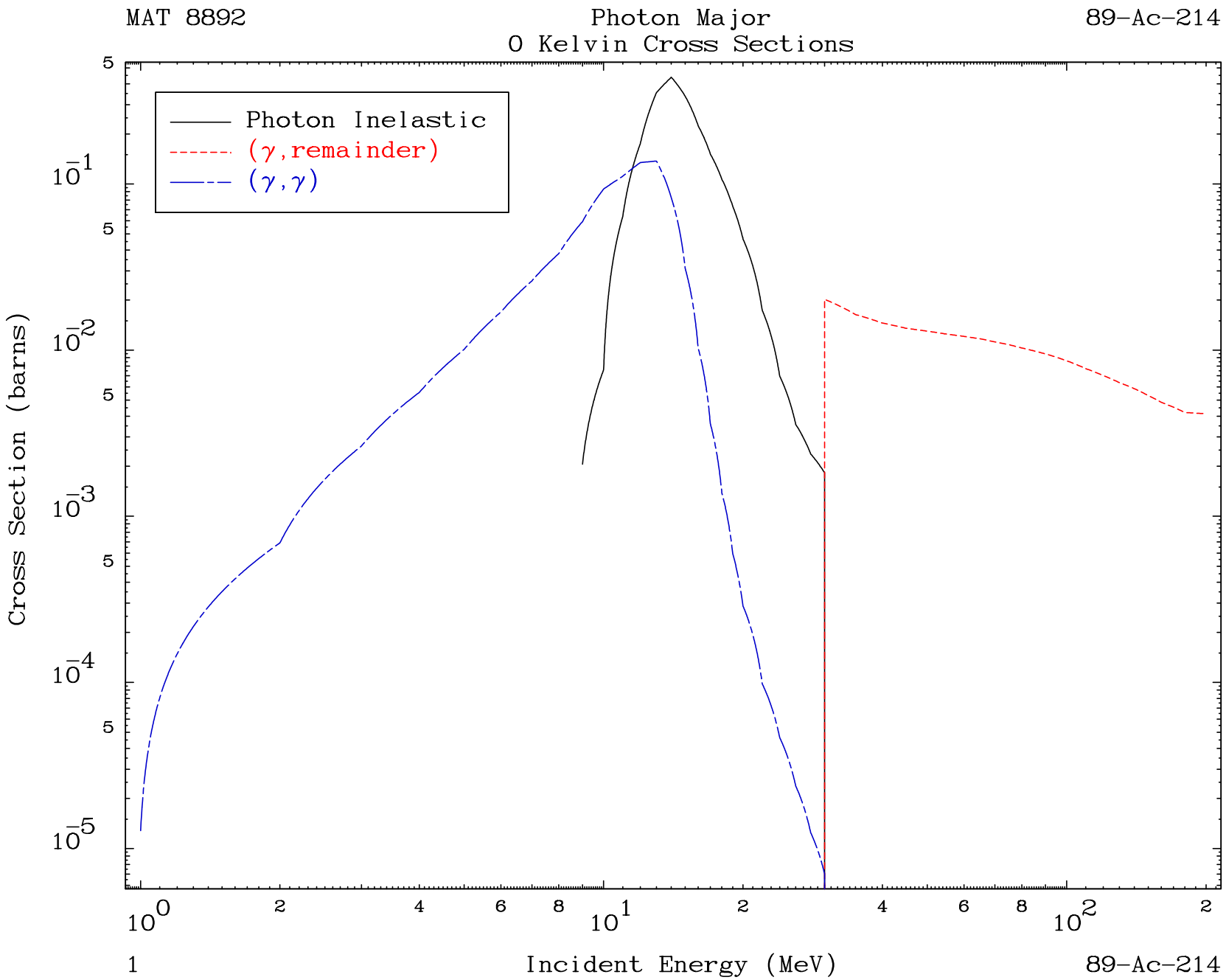
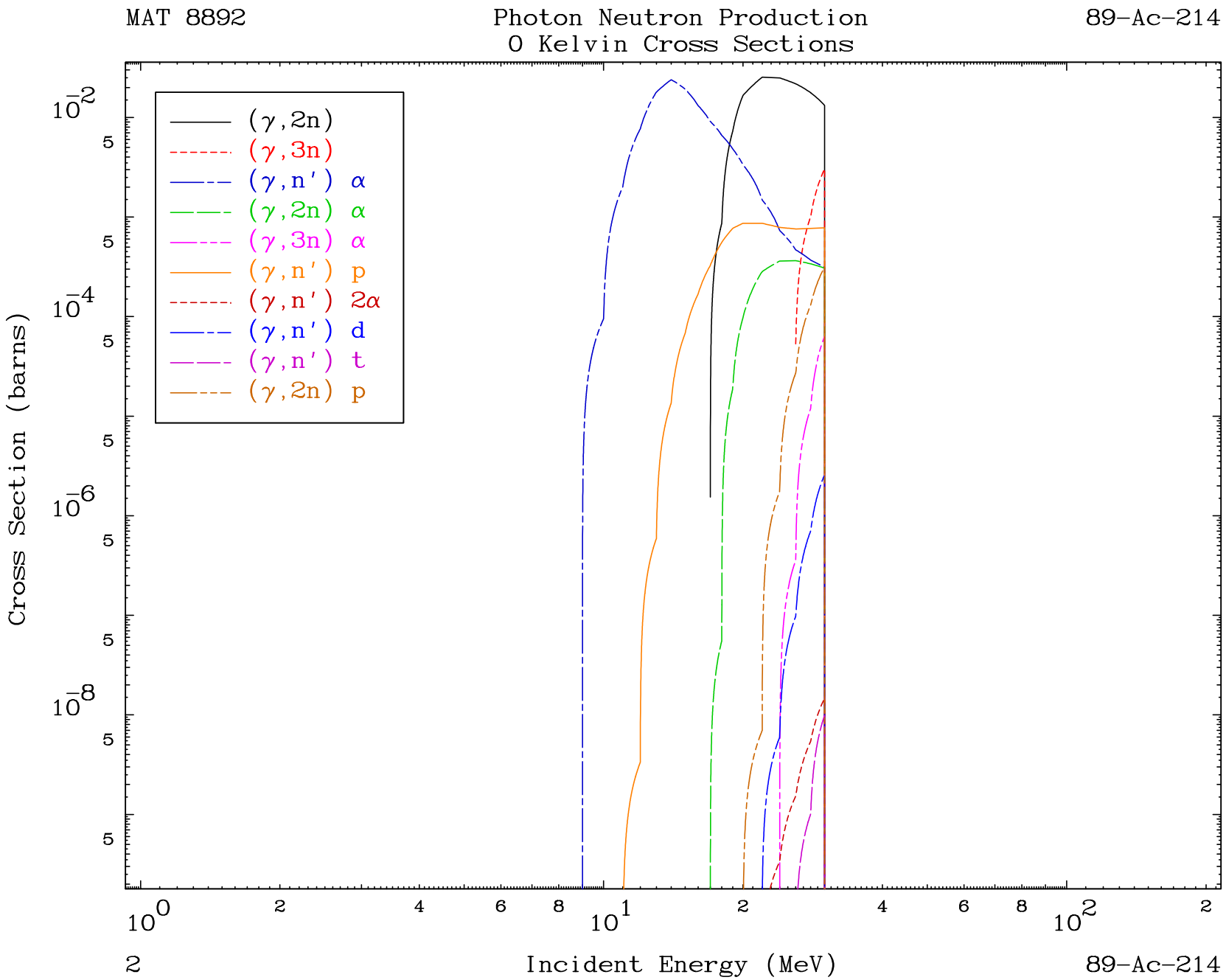
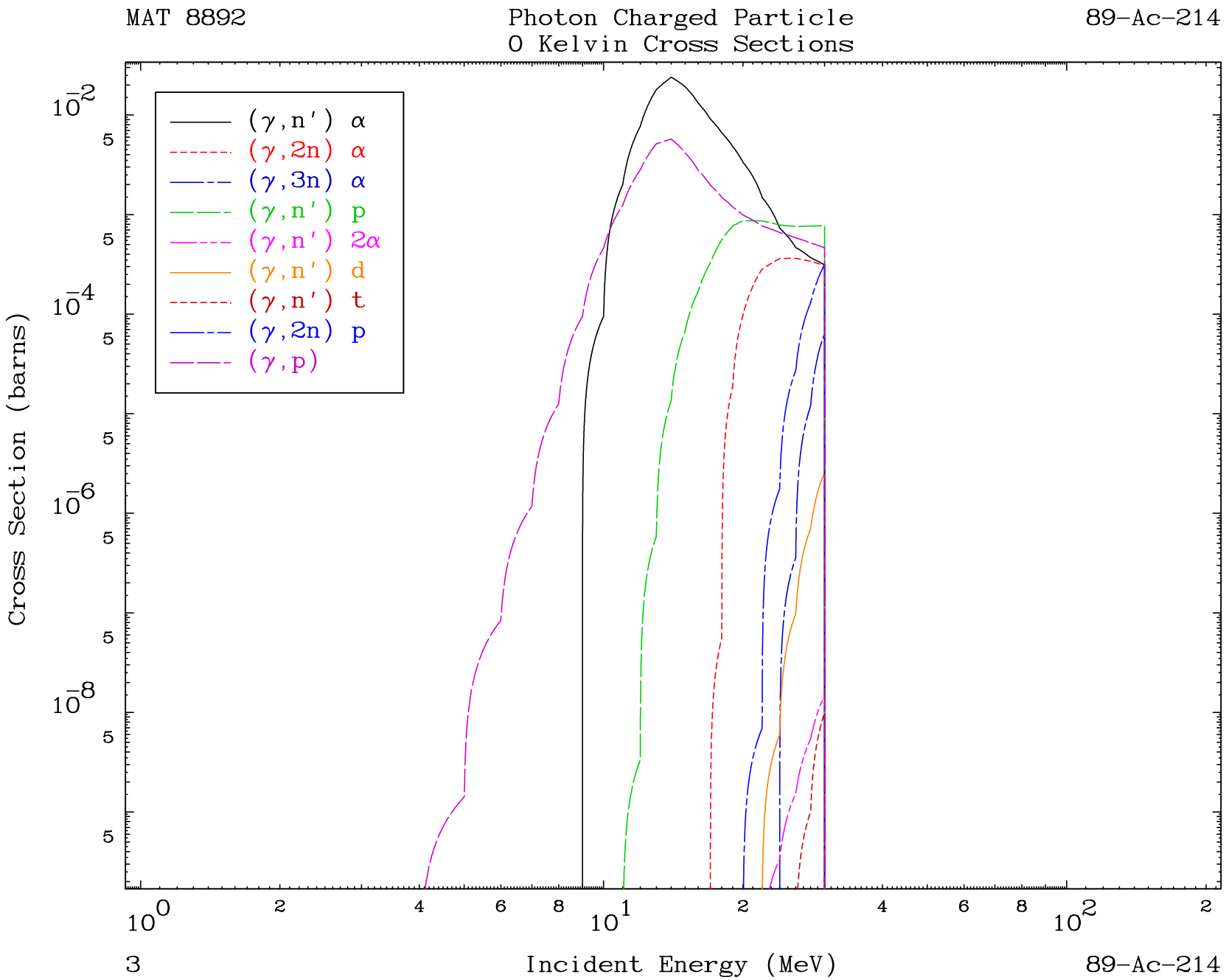
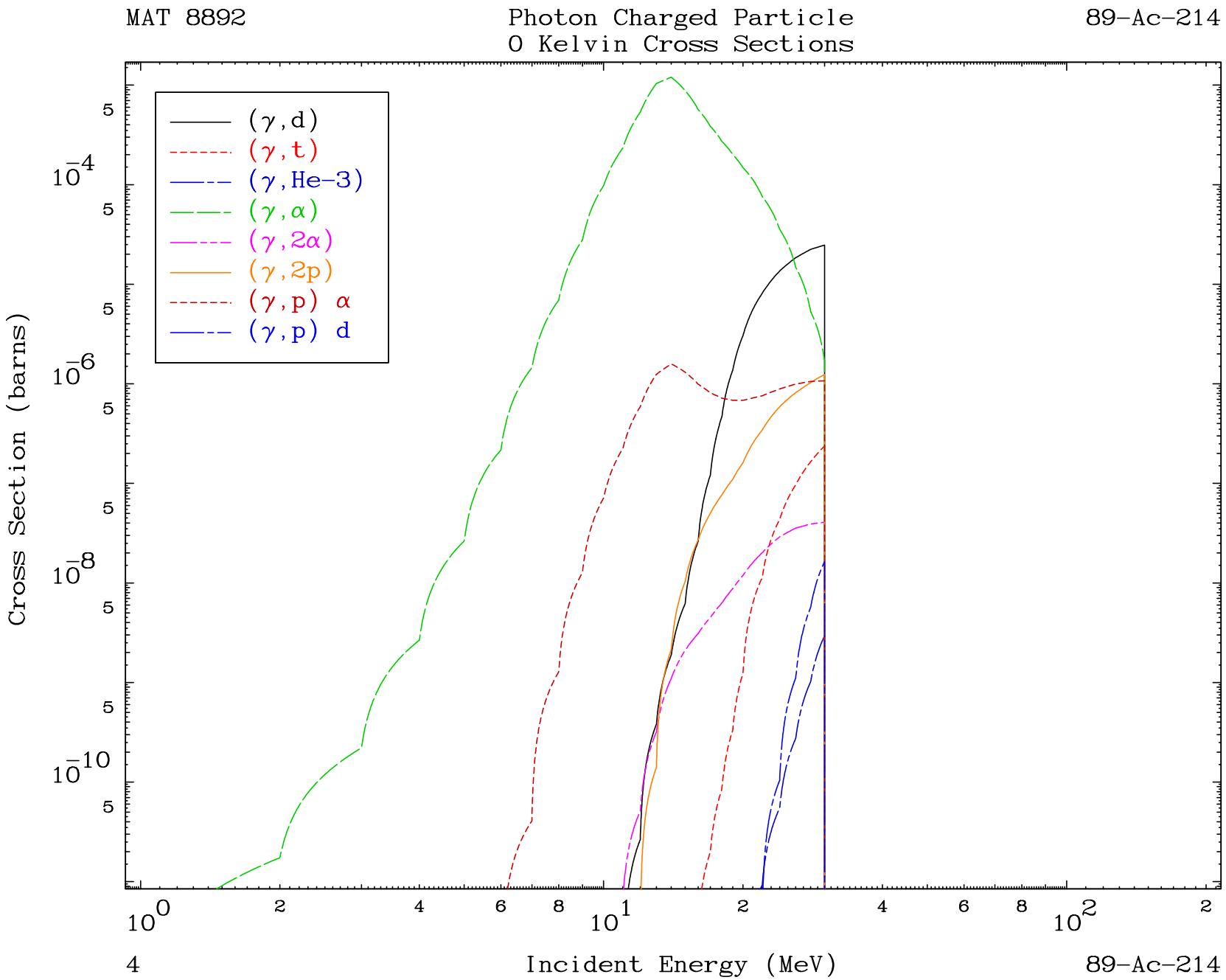
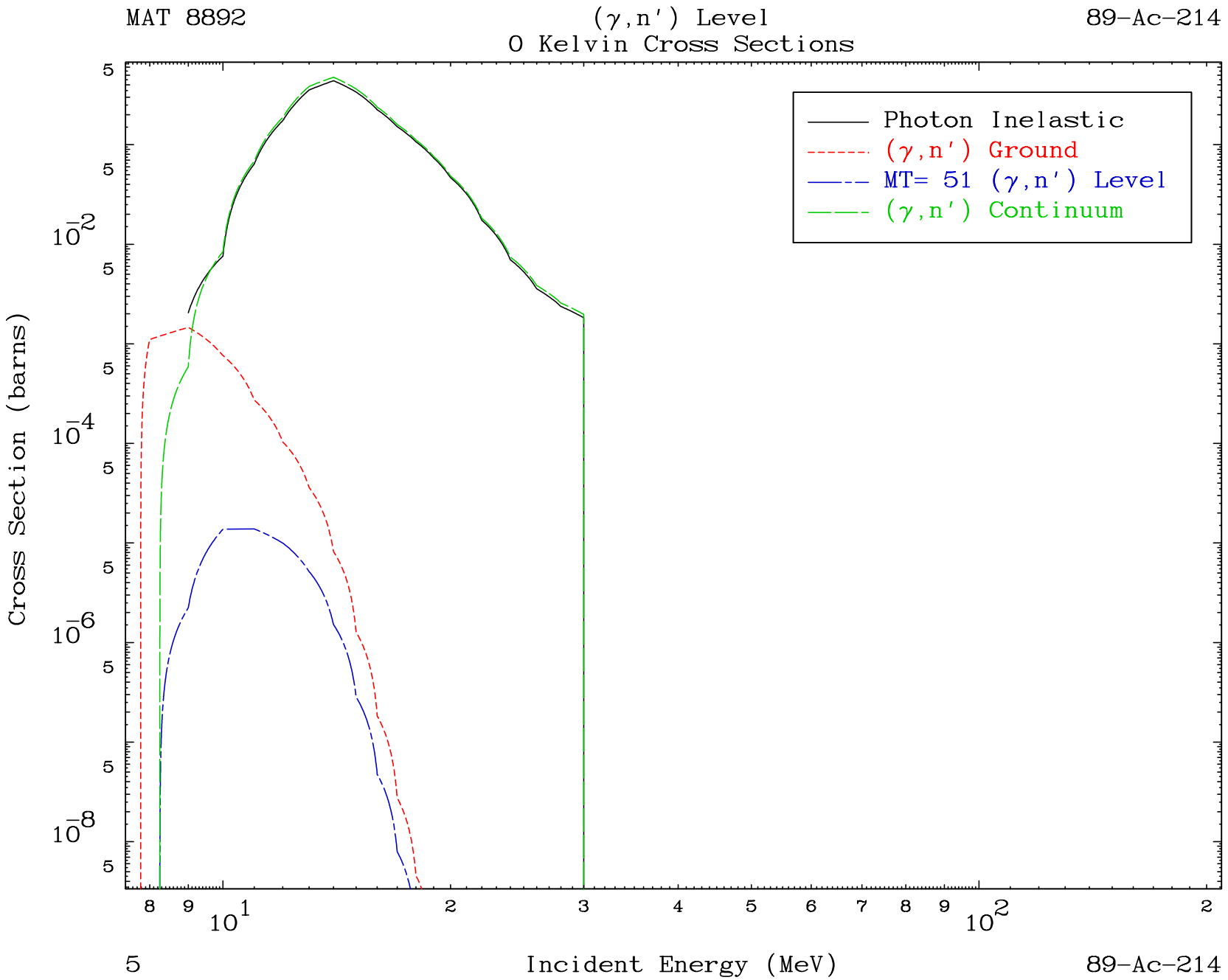
Press Mouse Button to Start

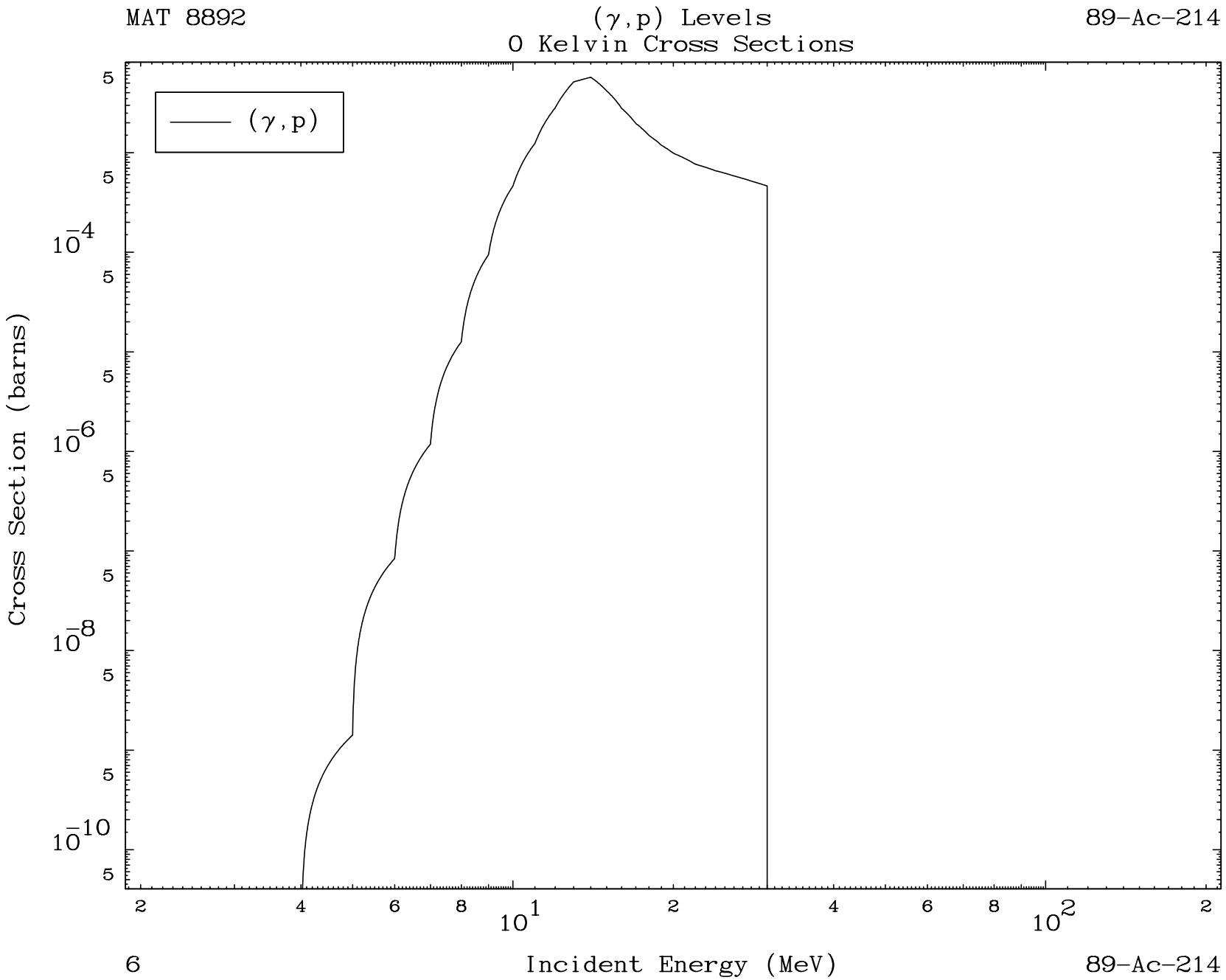

MAT 8892
Photon Major
89-Ac-214
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
89-Ac-214

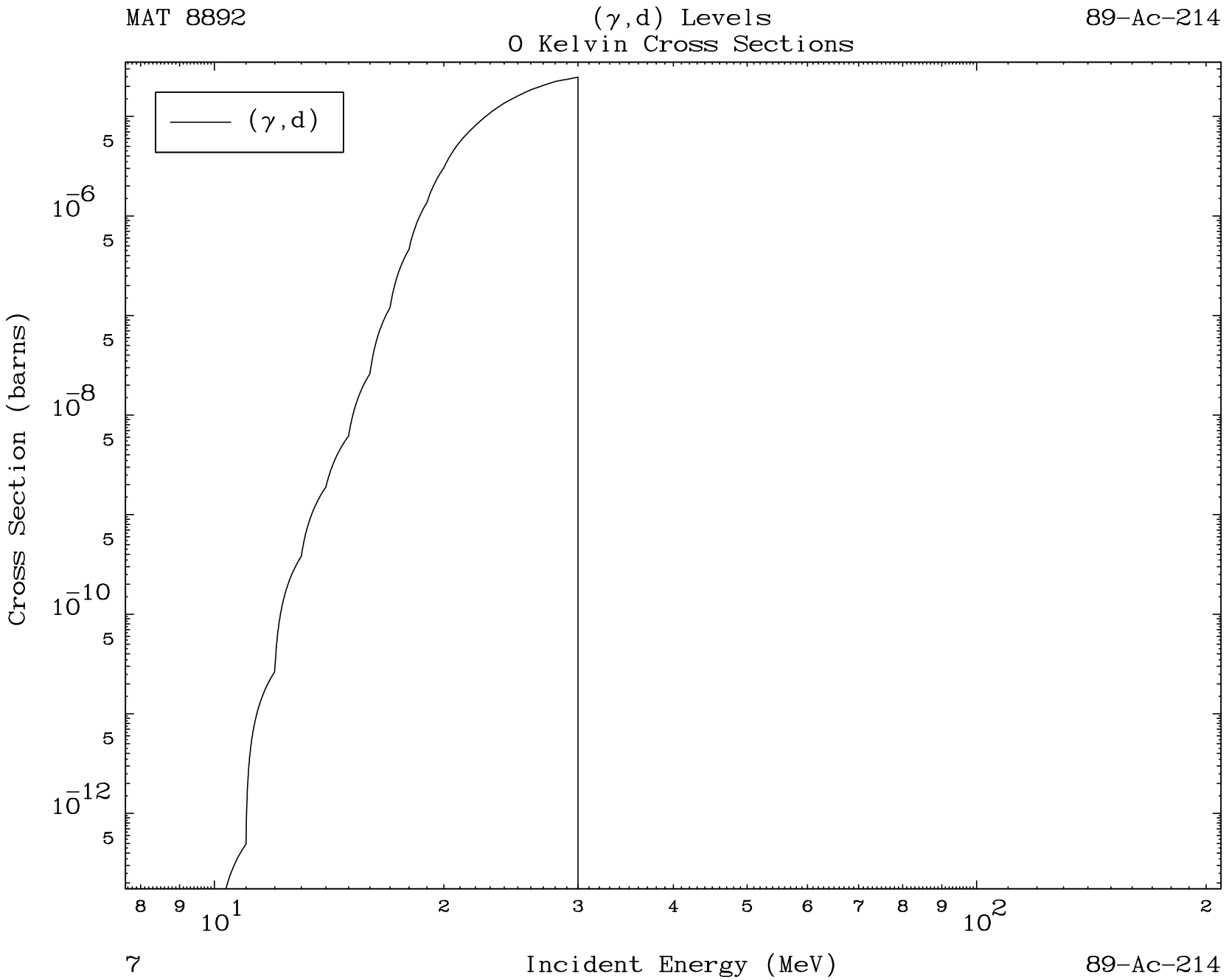

MAT 8892
Photon Neutron Production
0 Kelvin Cross Sections
89-Ac-214
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p
Cross Section (barns)
Incident Energy (MeV)
89-Ac-214

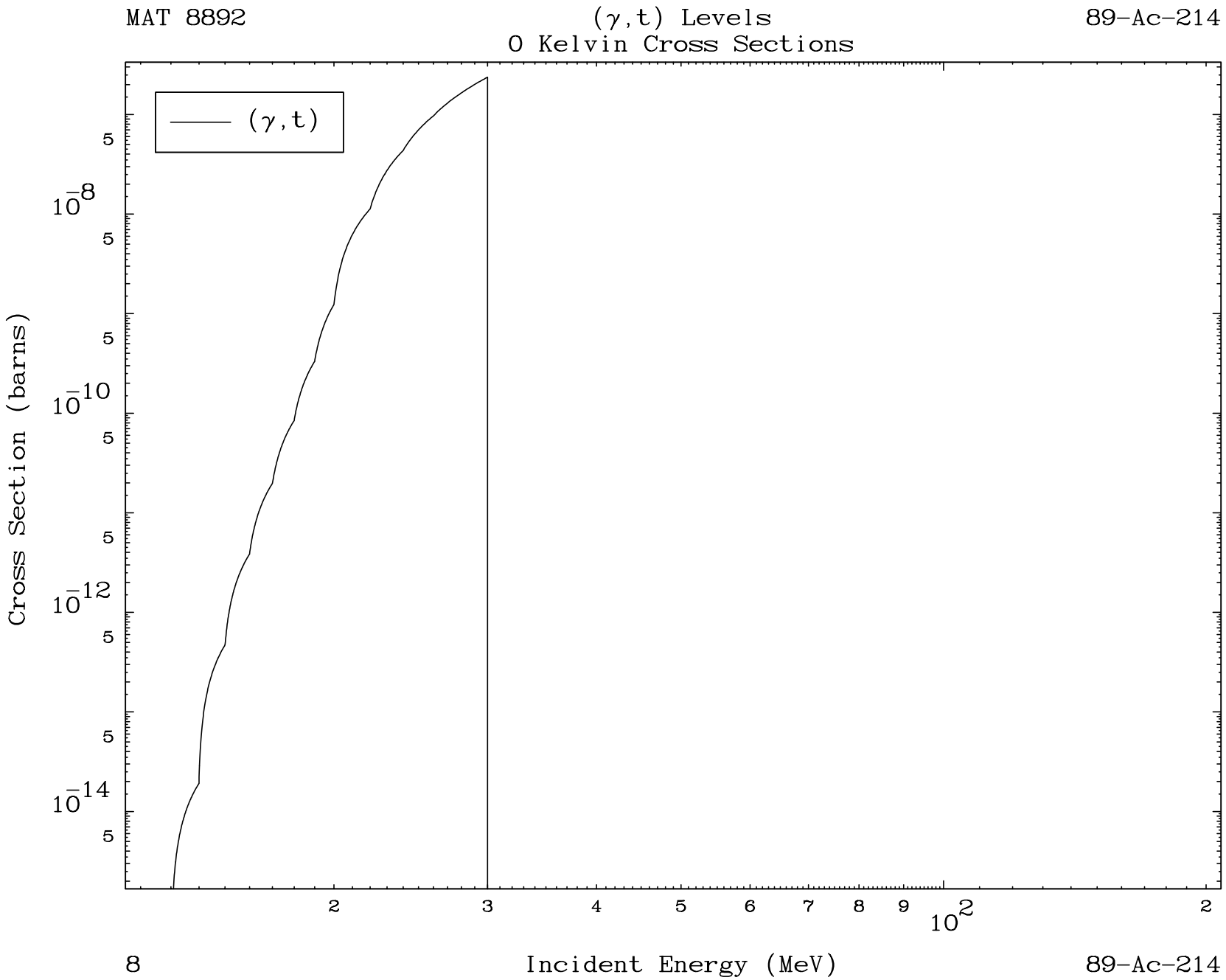

MAT 8892
Photon Charged Particle
0 Kelvin Cross Sections
89-Ac-214
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
Cross Section (barns)
Incident Energy (MeV)
3
89-Ac-214

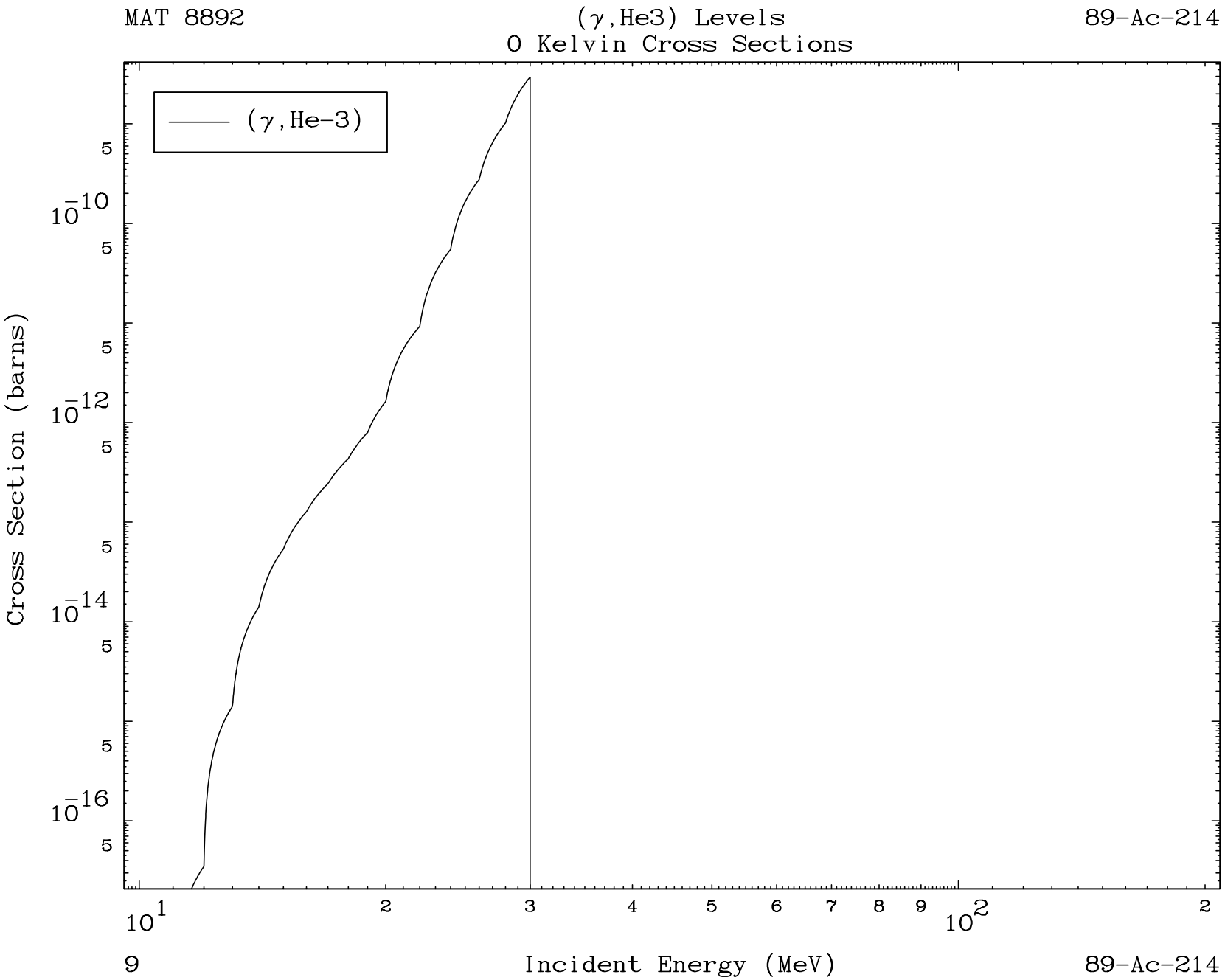

MAT 8892
Photon Charged Particle
0 Kelvin Cross Sections
89-Ac-214
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
4
89-Ac-214

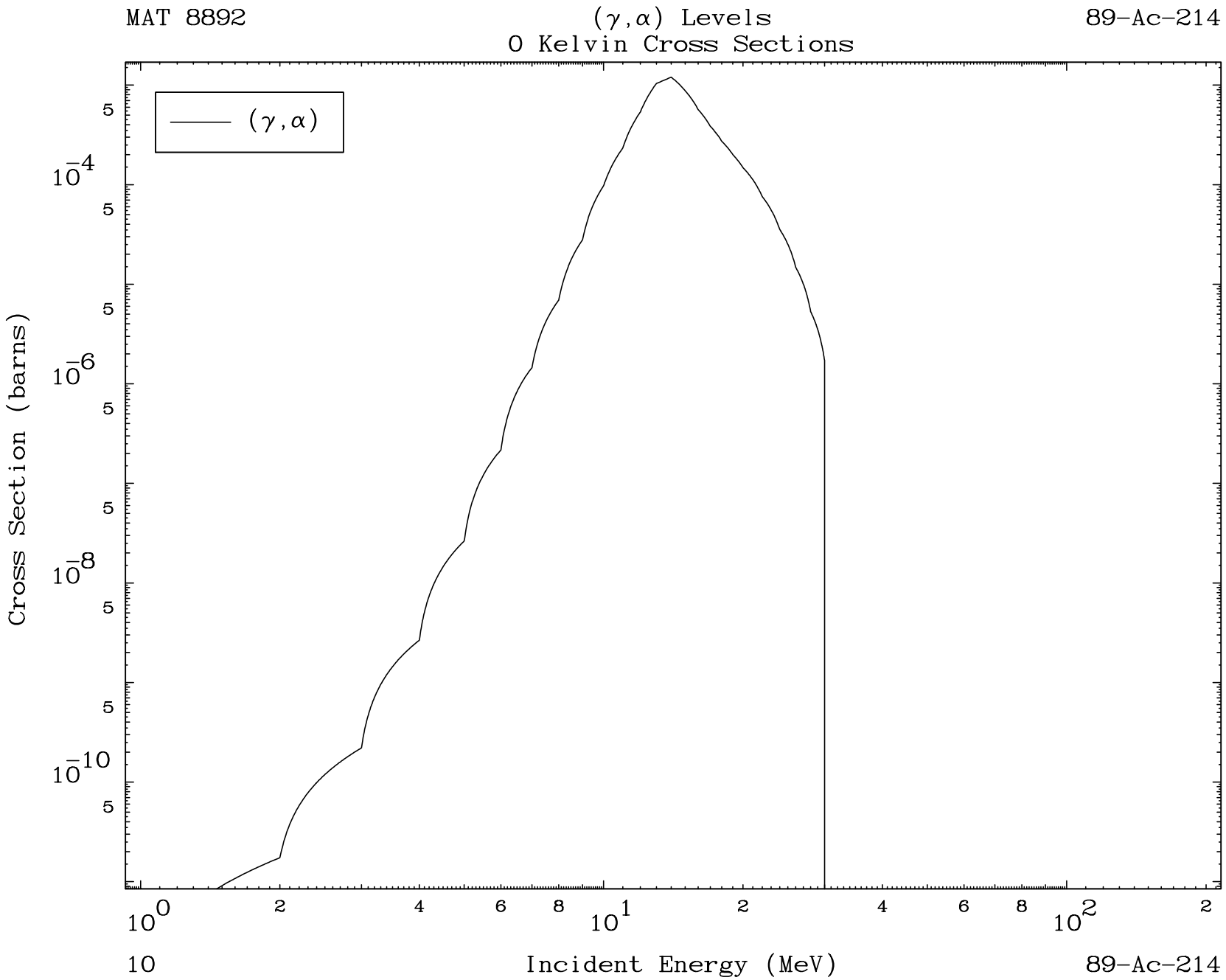

MAT 8892
(γ,n') Level
89-Ac-214
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
89-Ac-214

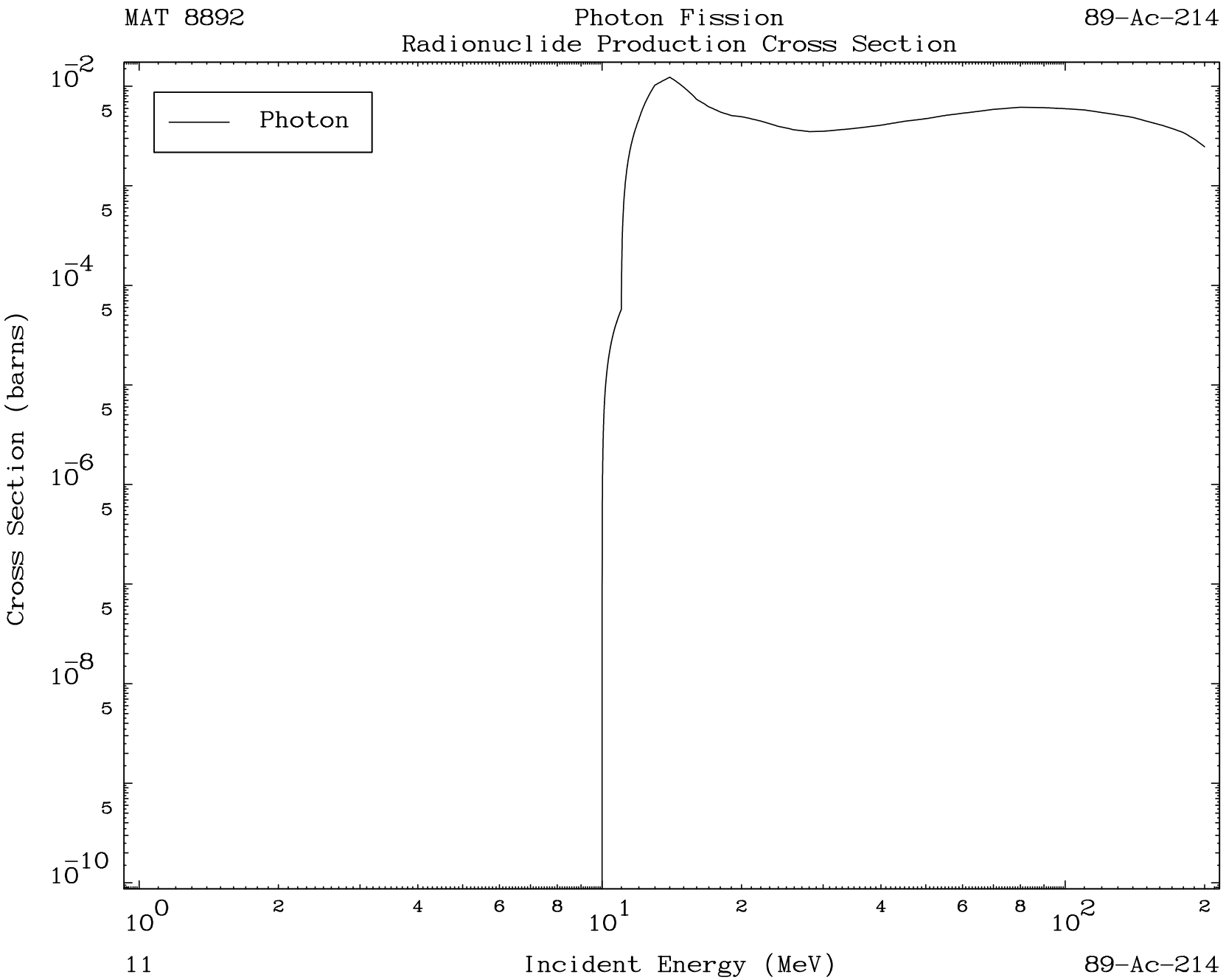

MAT 8892
(γ,p) Levels
89-Ac-214
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
4
6
8
10^1
10^2
Incident Energy (MeV)
6
89-Ac-214


MAT 8892
(γ,d) Levels
89-Ac-214
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
7
89-Ac-214


MAT 8892
(γ,t) Levels
89-Ac-214
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
8
Incident Energy (MeV)
89-Ac-214


MAT 8892
(γ,He3) Levels
89-Ac-214
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-10
10-12
10-14
10-16
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
9
89-Ac-214


MAT 8892
(γ,α) Levels
89-Ac-214
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
89-Ac-214


MAT 8892
Photon Fission
89-Ac-214
Radionuclide Production Cross Section
Photon
Cross Section (barns)
Incident Energy (MeV)
11
89-Ac-214