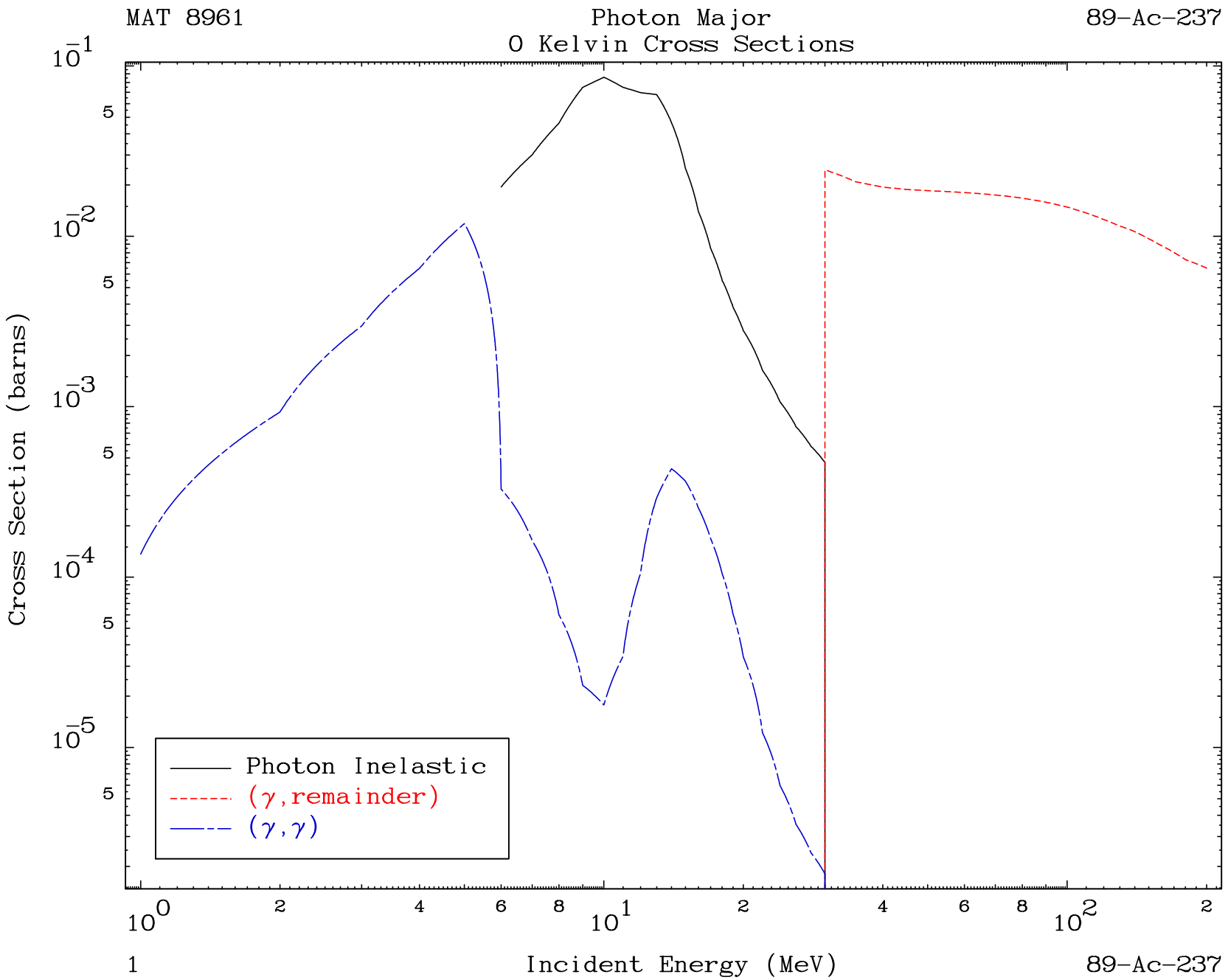
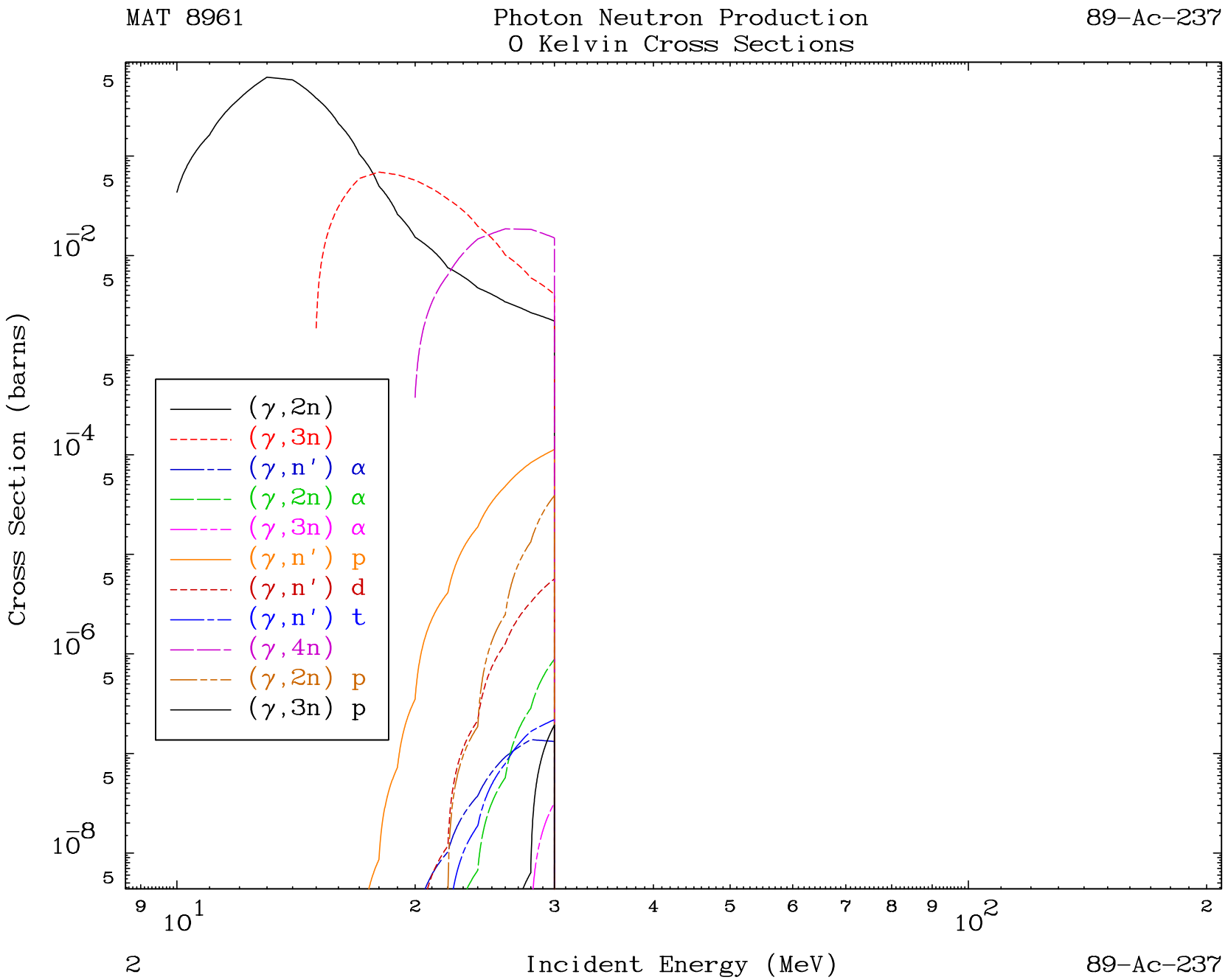
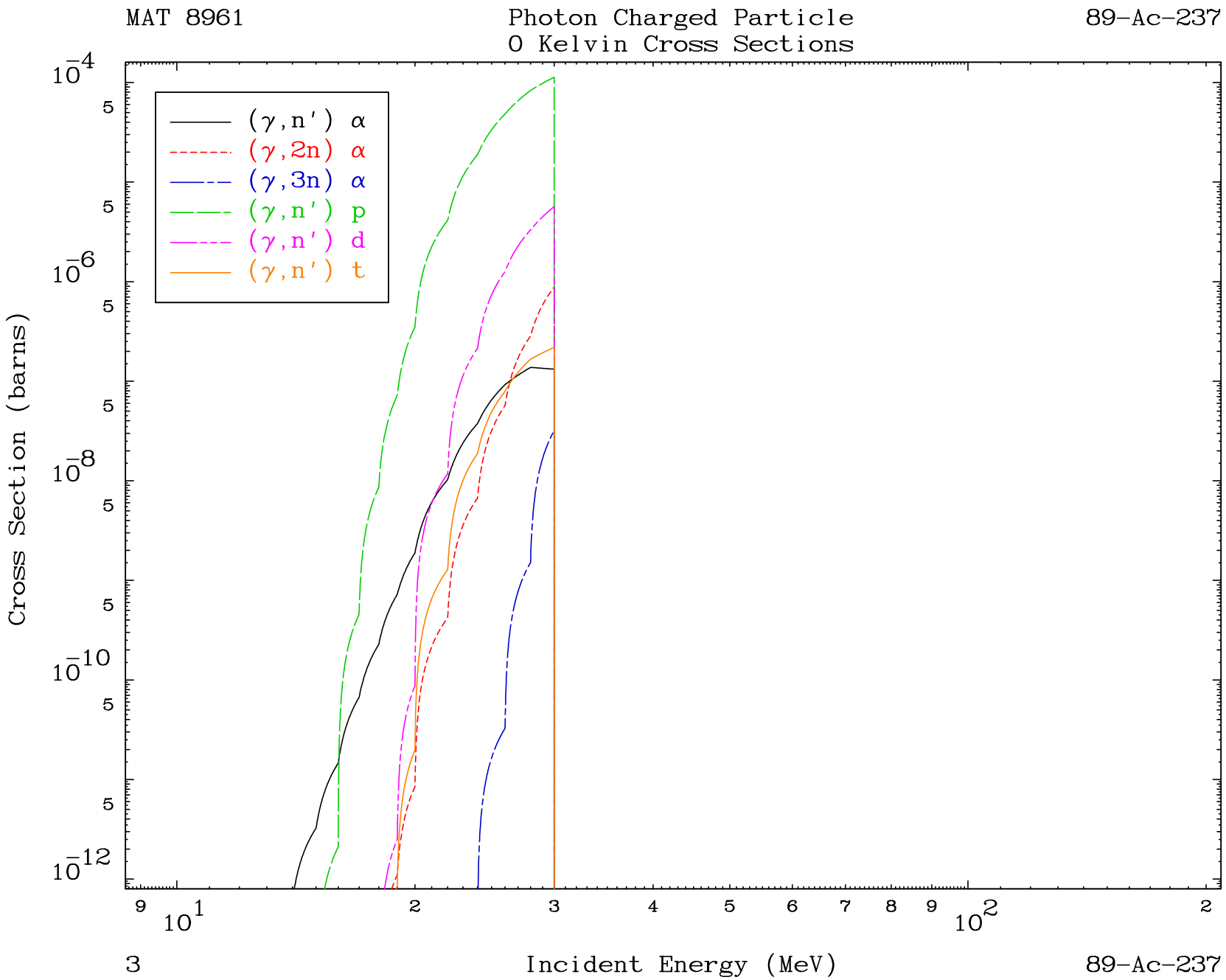
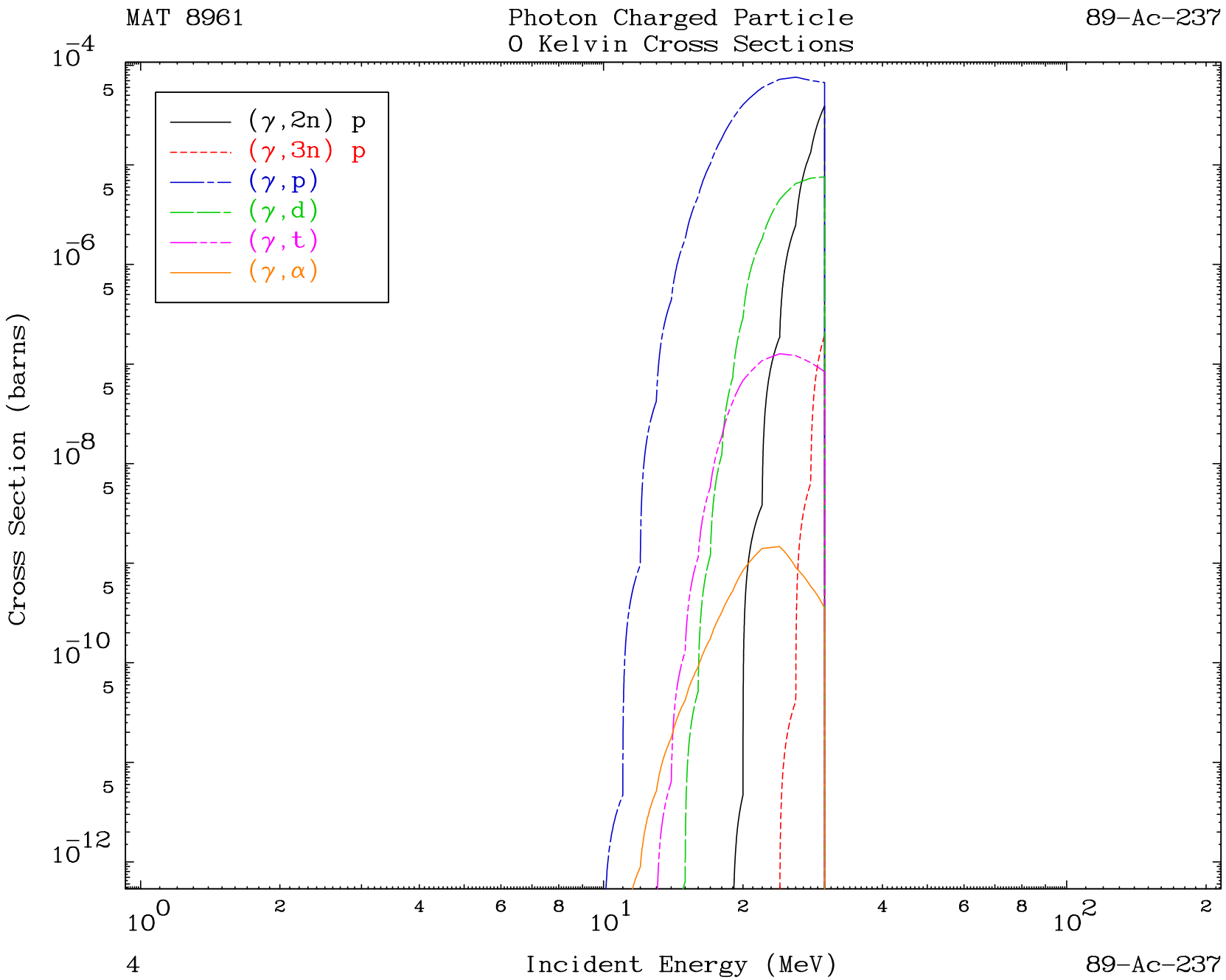
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

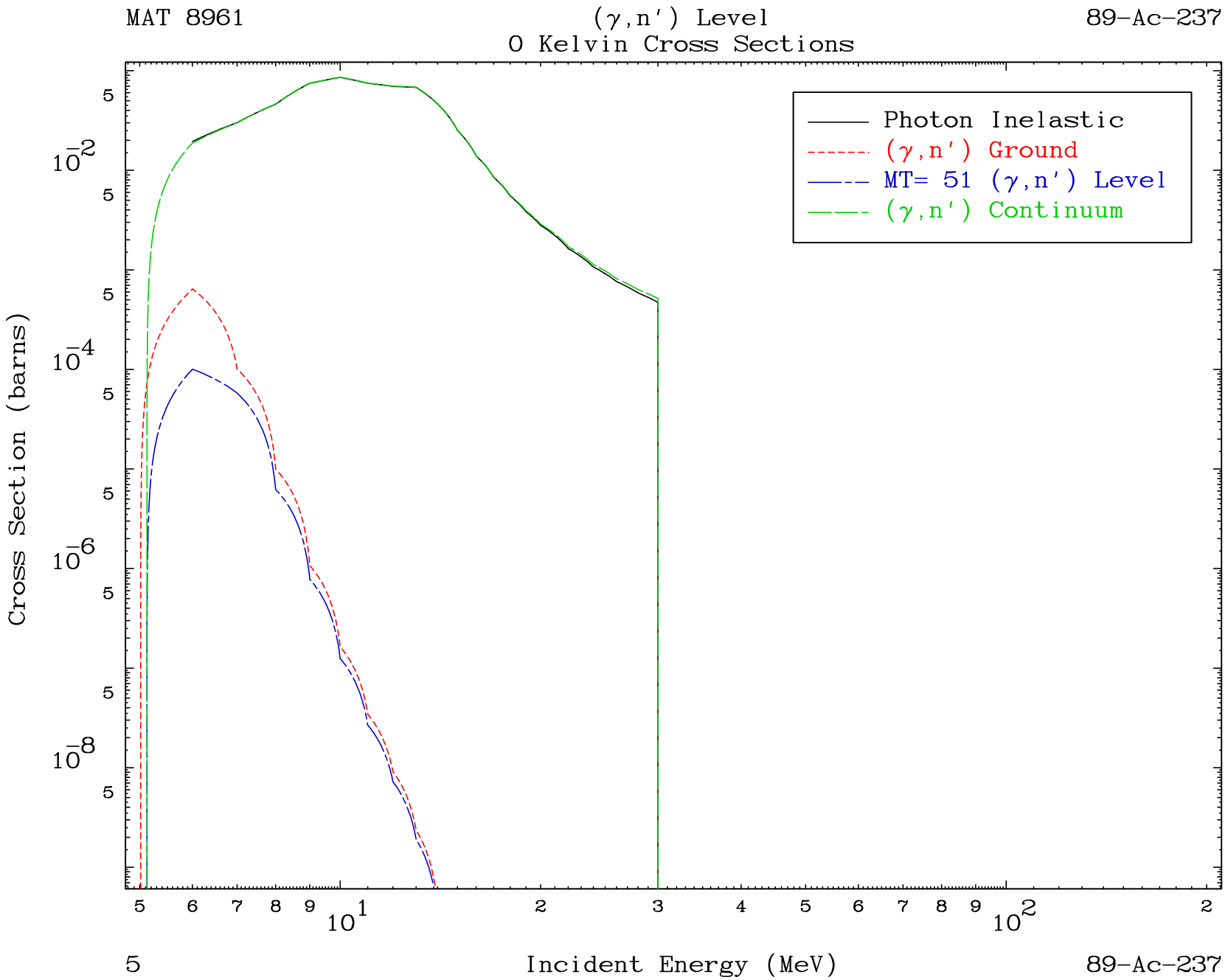
Press Mouse Button to Start

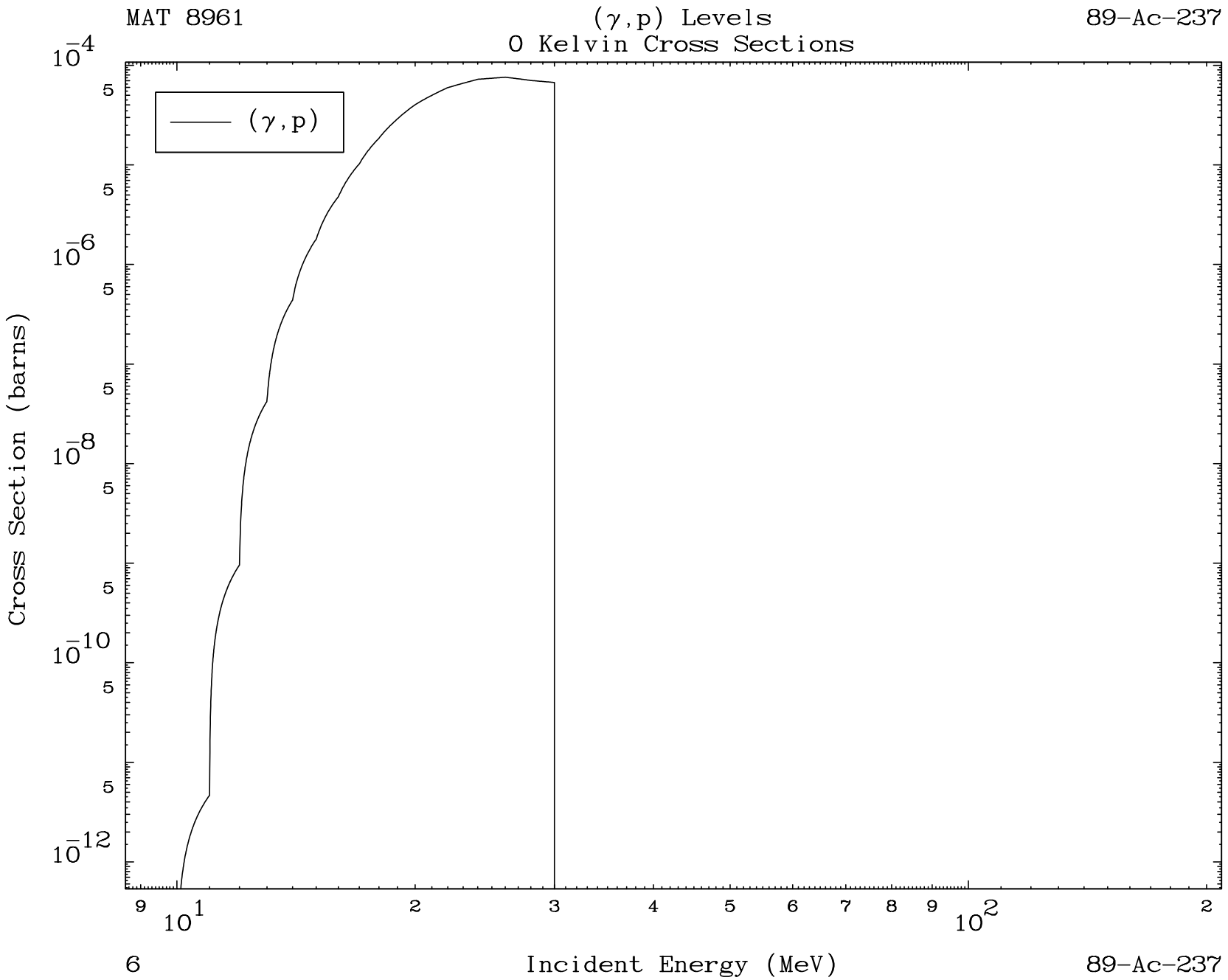

MAT 8961
Photon Major
89-Ac-237
0 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
89-Ac-237
Photon Inelastic
(γ,remainder)
(γ,γ)

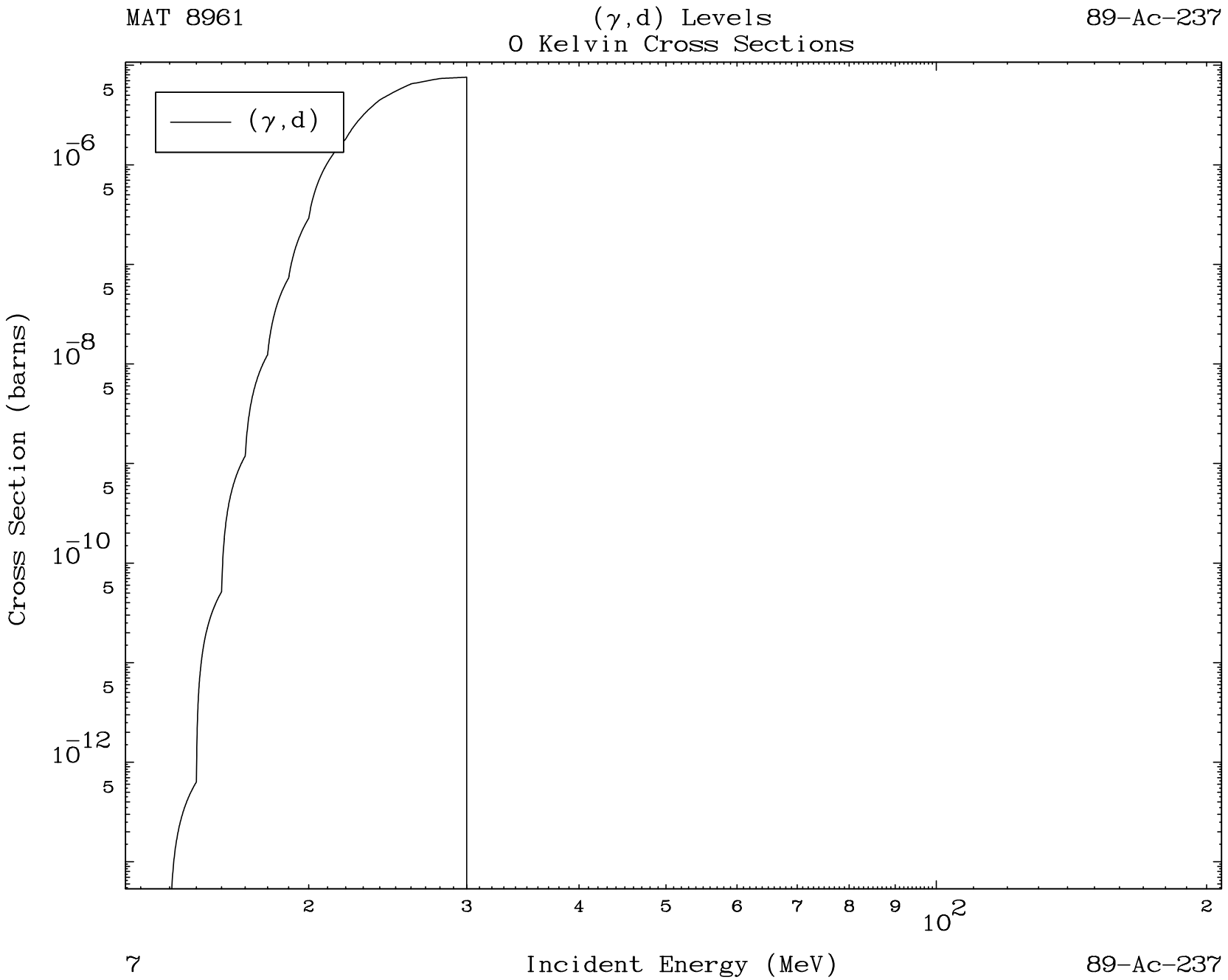

MAT 8961
Photon Neutron Production
0 Kelvin Cross Sections
89-Ac-237
Cross Section (barns)
Incident Energy (MeV)
89-Ac-237
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p
(γ,3n) p

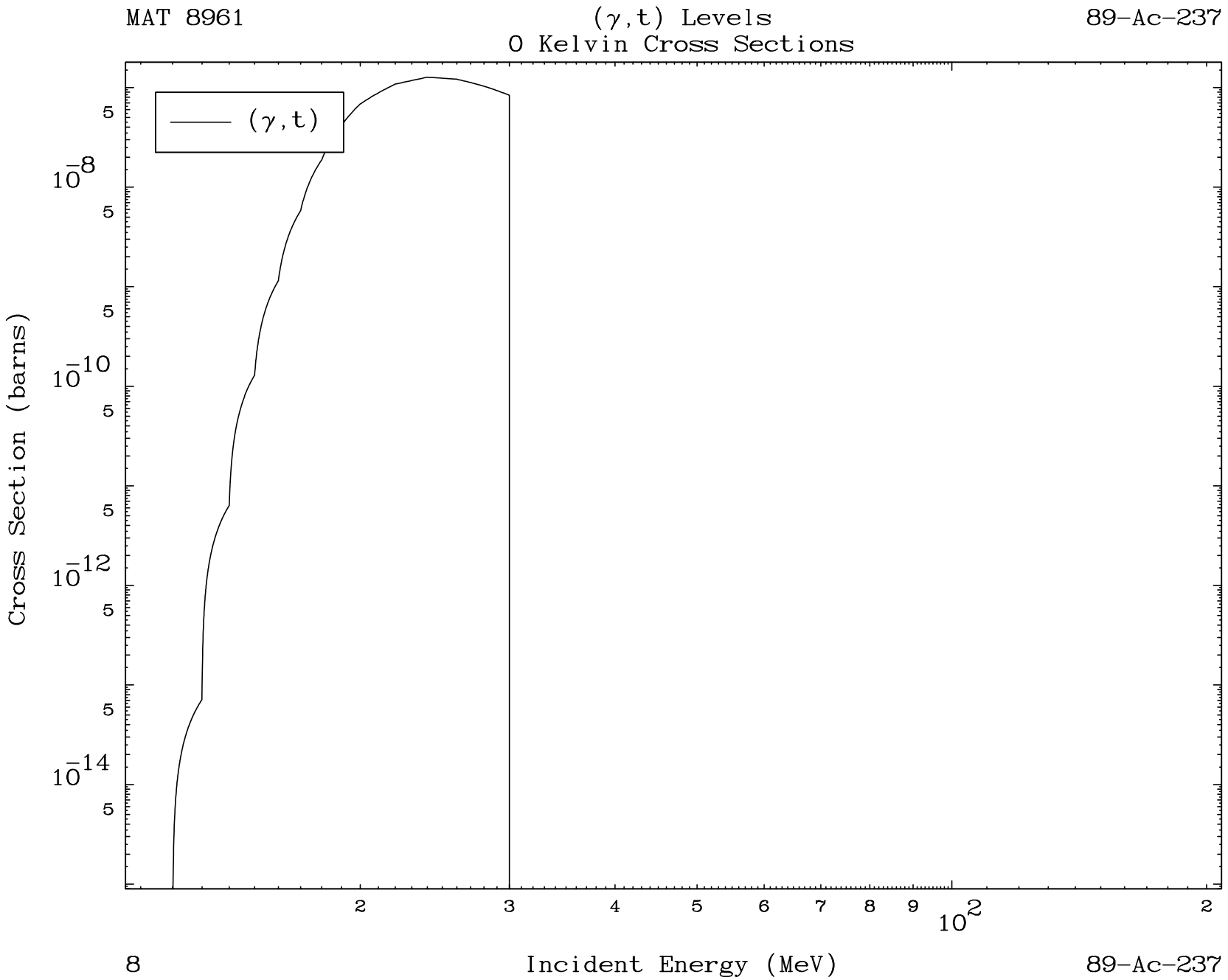

MAT 8961
Photon Charged Particle
0 Kelvin Cross Sections
89-Ac-237
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
9
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
3
89-Ac-237

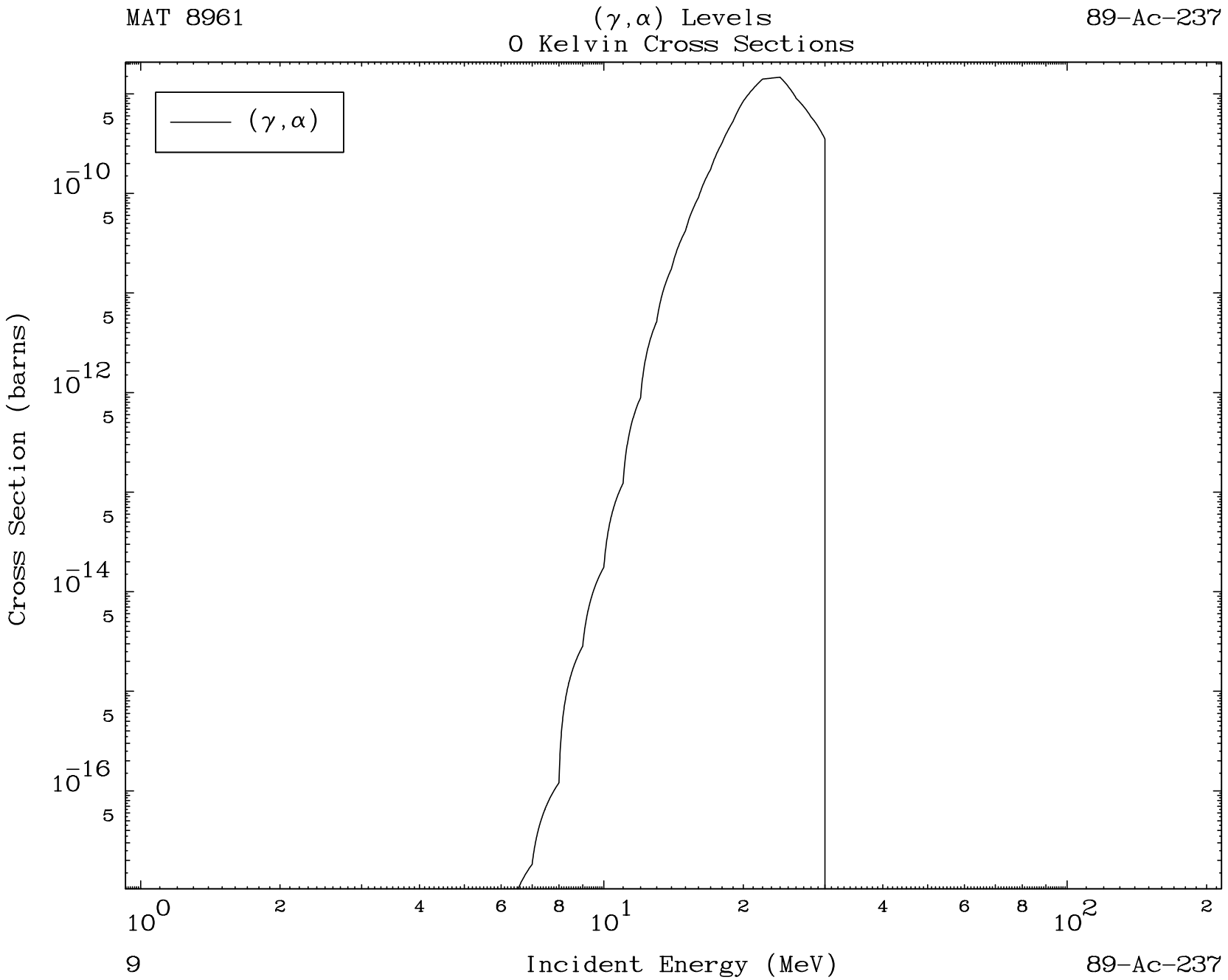

MAT 8961
Photon Charged Particle
0 Kelvin Cross Sections
89-Ac-237
(γ,2n) p
(γ,3n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
4
89-Ac-237

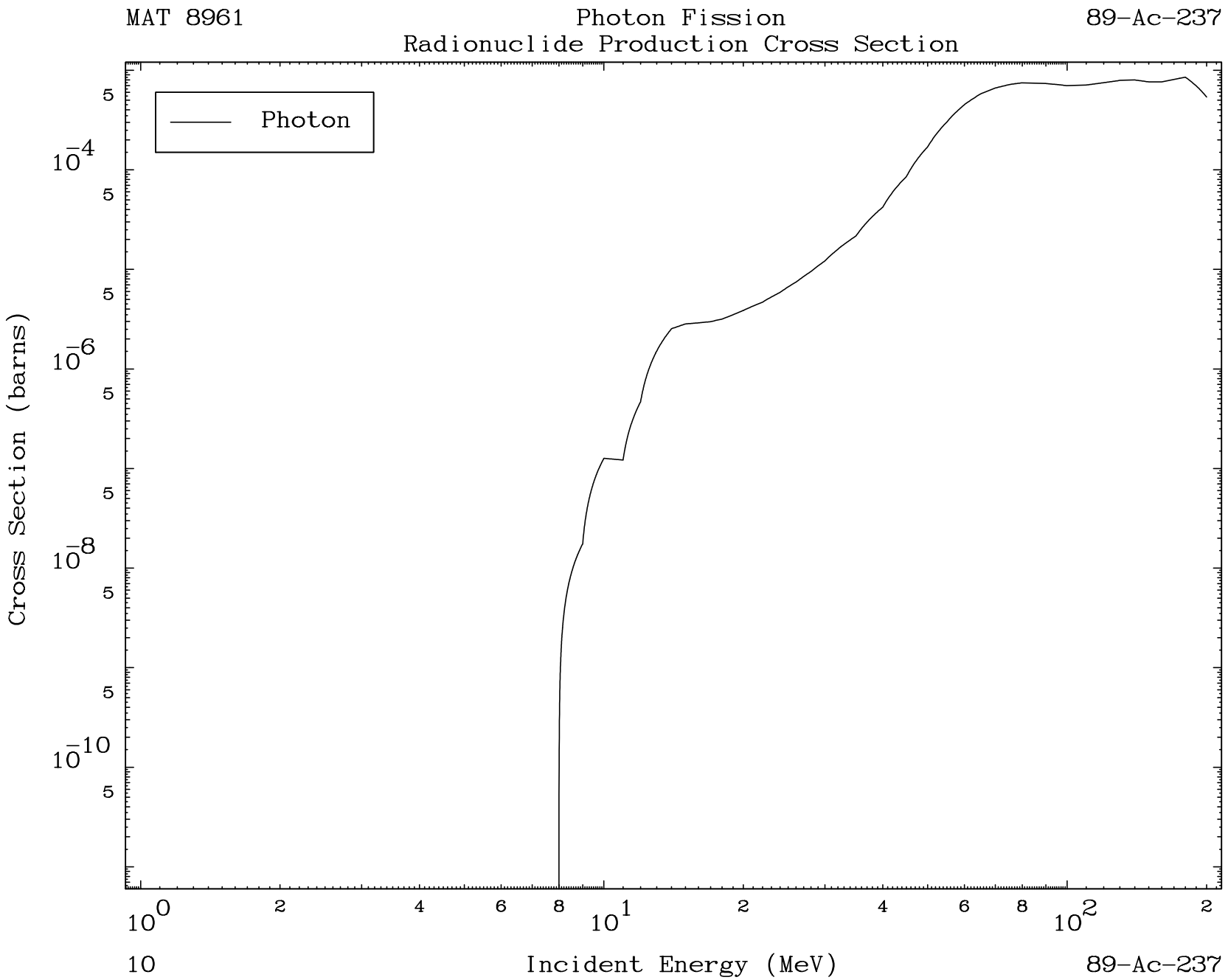

MAT 8961
(γ,n') Level
89-Ac-237
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
89-Ac-237


MAT 8961
(γ,p) Levels
89-Ac-237
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
6
Incident Energy (MeV)
89-Ac-237


MAT 8961
(γ,d) Levels
89-Ac-237
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)
89-Ac-237


MAT 8961
(γ,t) Levels
89-Ac-237
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-237


MAT 8961
(γ,α) Levels
89-Ac-237
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
Incident Energy (MeV)
9
89-Ac-237


MAT 8961
Photon Fission
89-Ac-237
Radionuclide Production Cross Section
Photon
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
89-Ac-237