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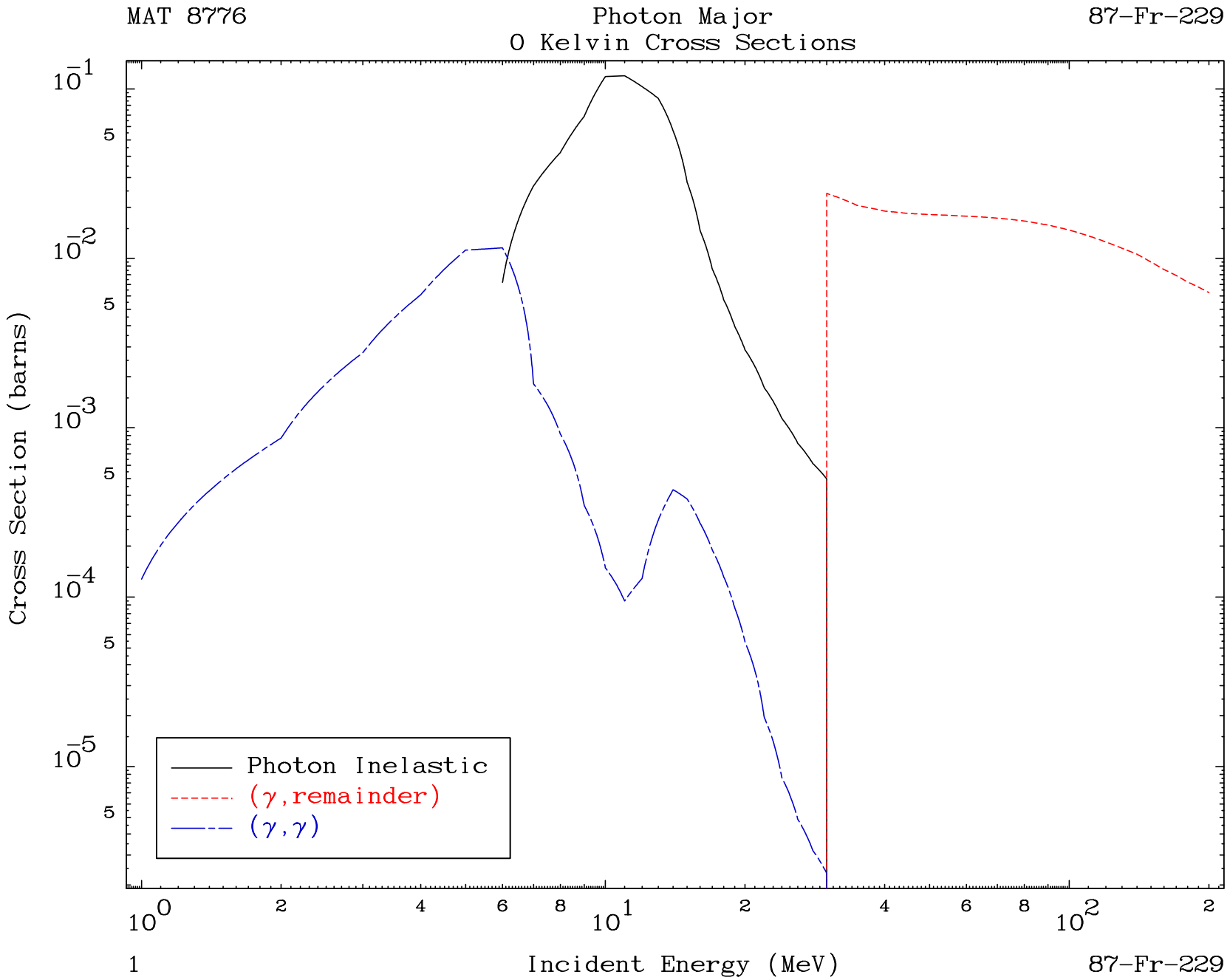
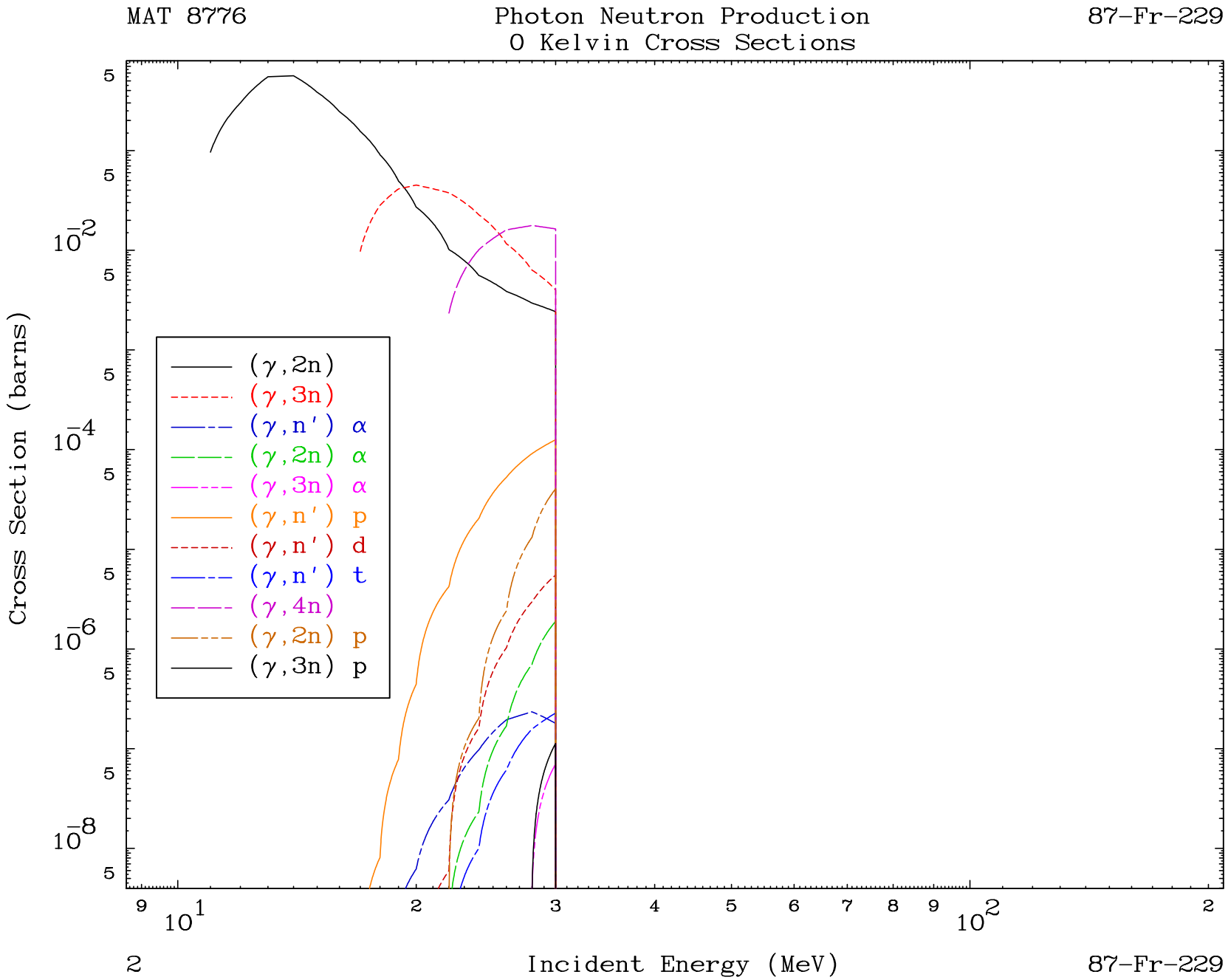
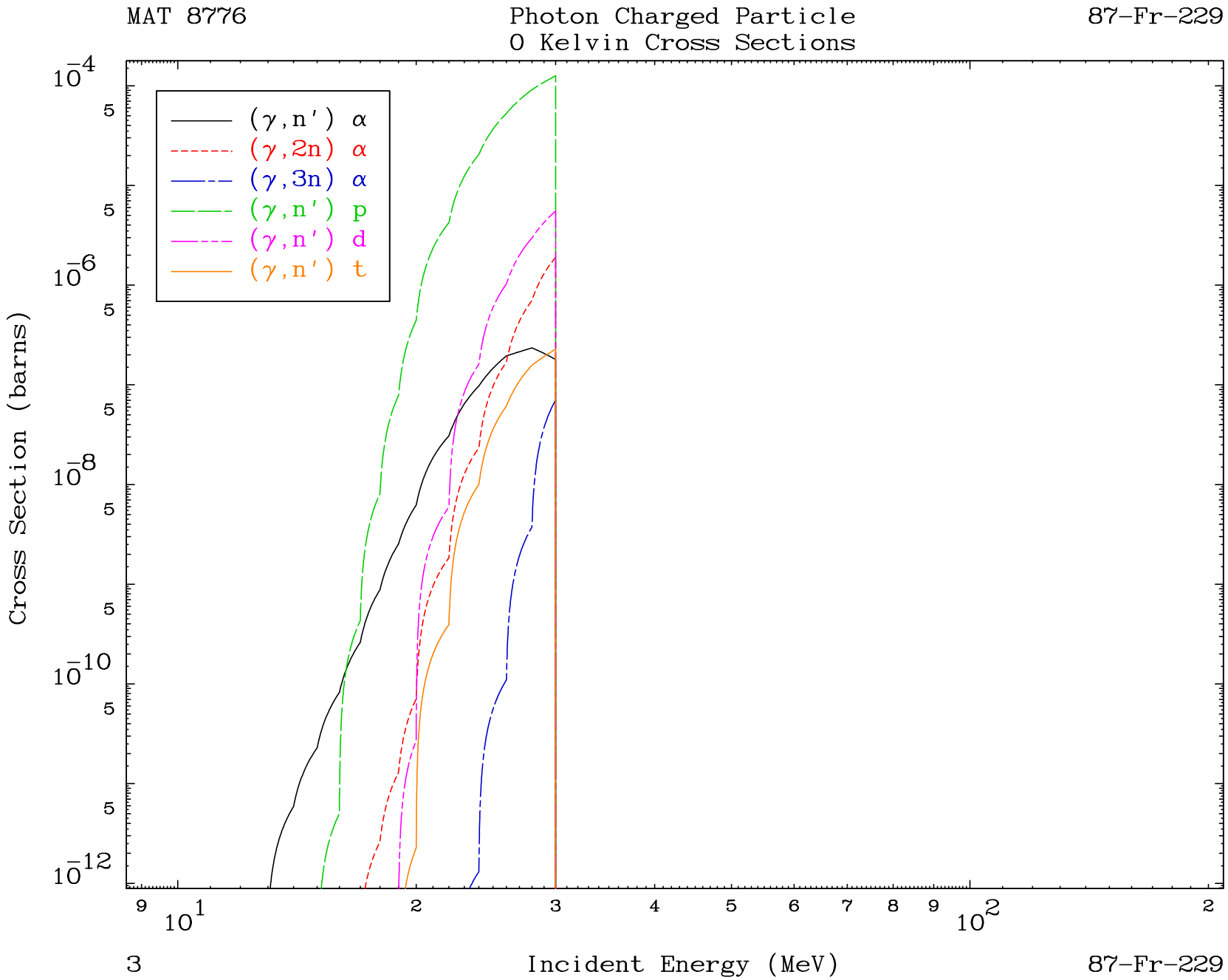
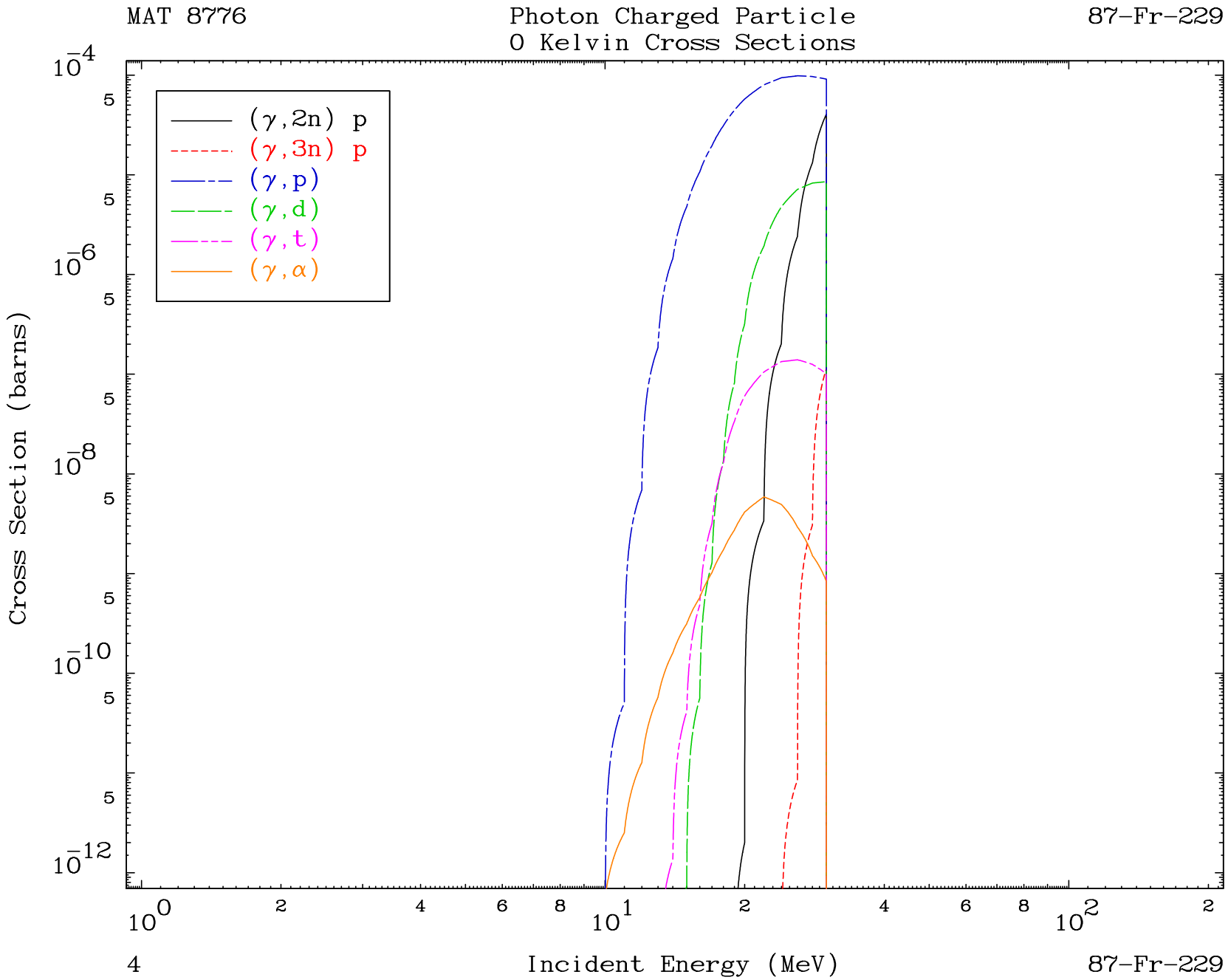
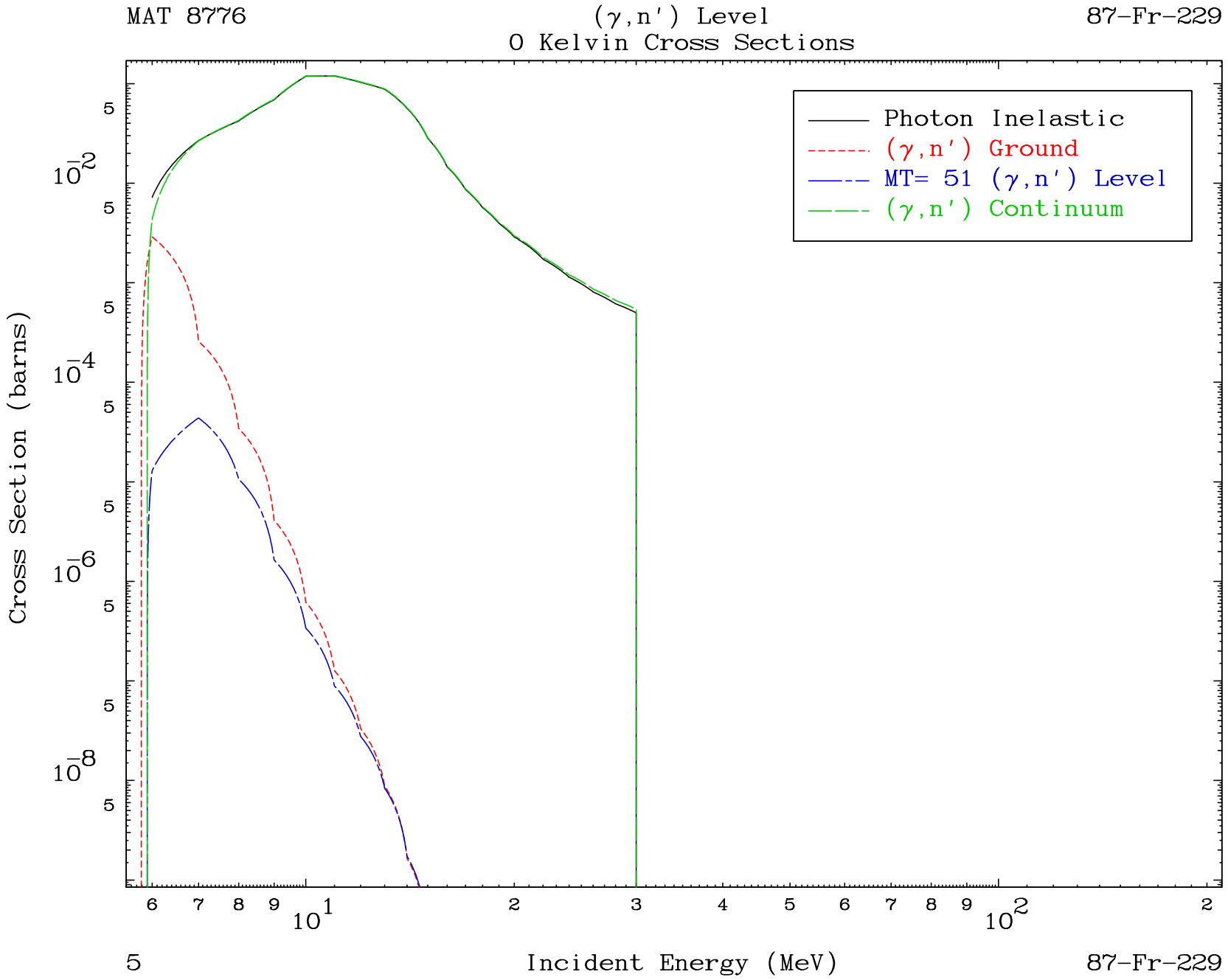
Press Mouse Button to Start

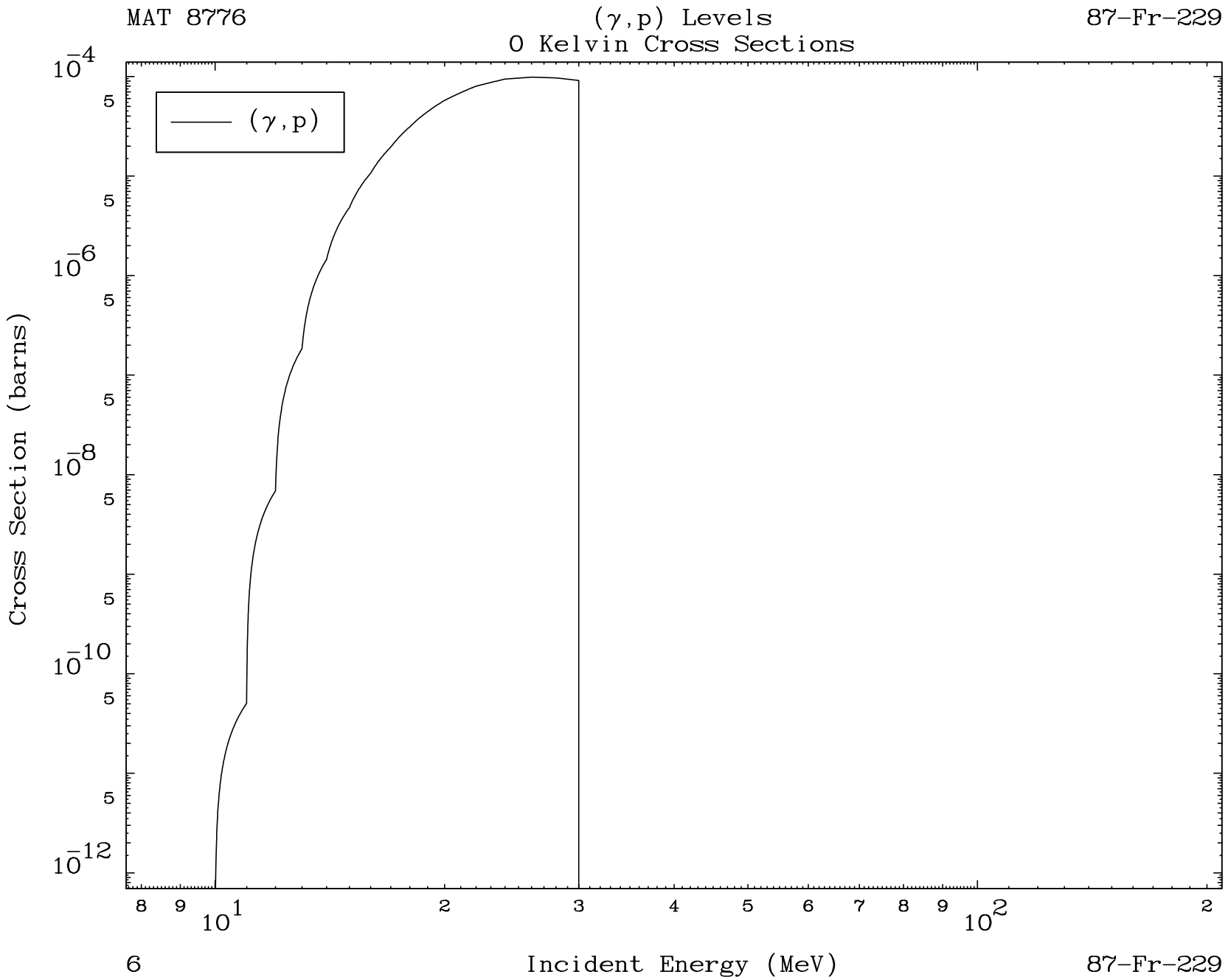

MAT 8776
Photon Major
87-Fr-229
0 Kelvin Cross Sections
Cross Section (barns)
Photon Inelastic
(γ,remainder)
(γ,γ)
Incident Energy (MeV)
87-Fr-229

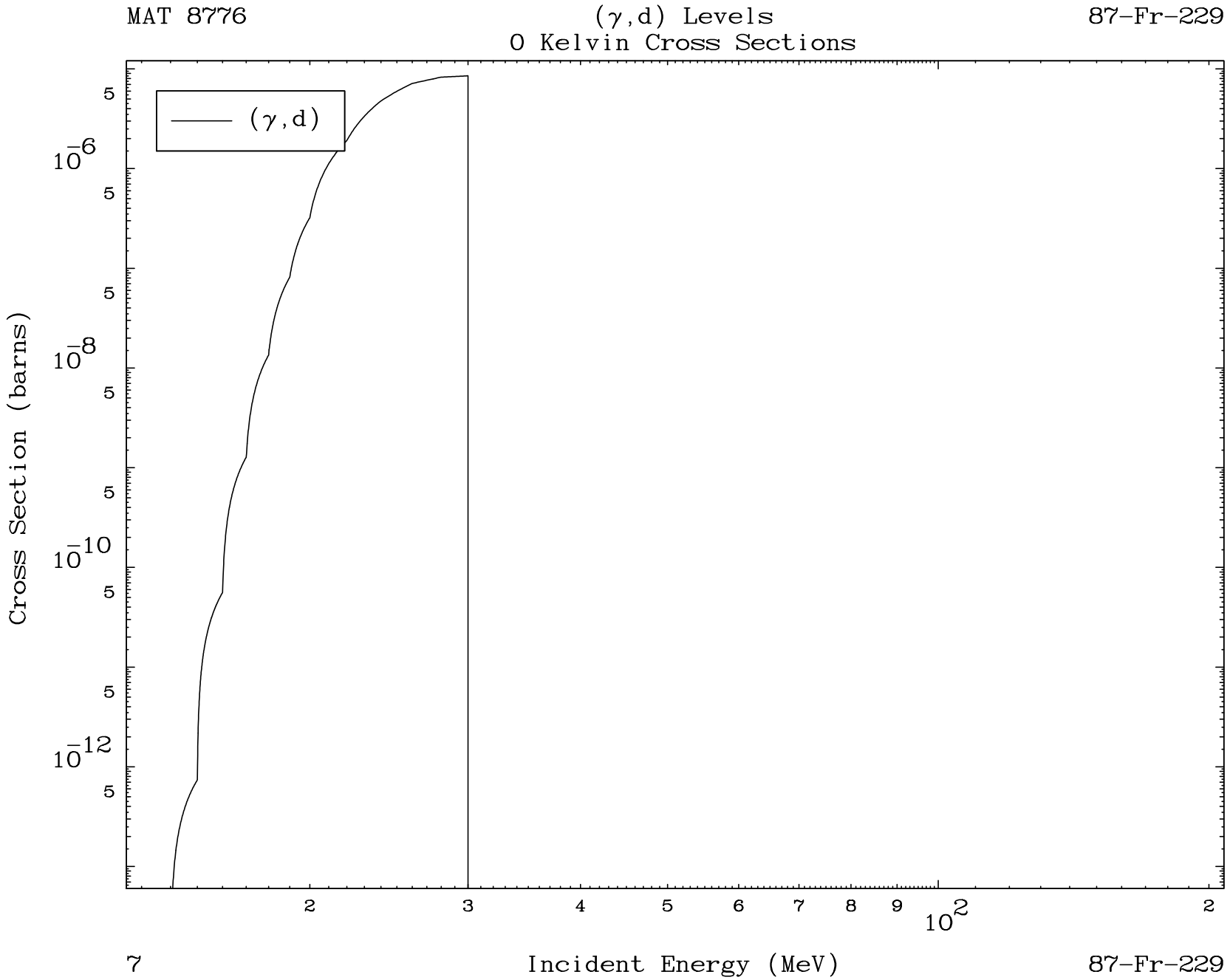

MAT 8776
Photon Neutron Production
0 Kelvin Cross Sections
87-Fr-229
Cross Section (barns)
Incident Energy (MeV)
87-Fr-229
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p
(γ,3n) p

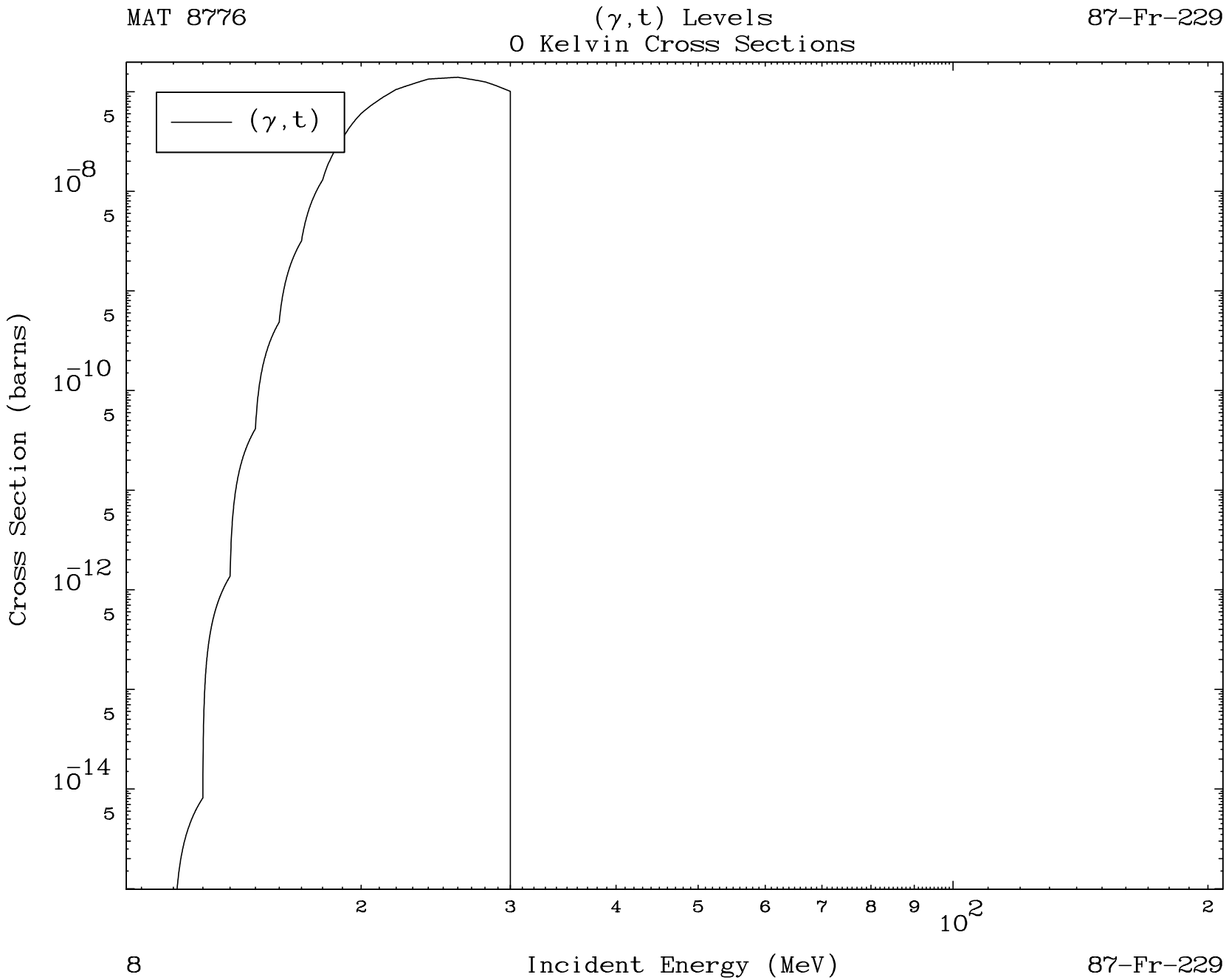

MAT 8776
Photon Charged Particle
0 Kelvin Cross Sections
87-Fr-229
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
3
87-Fr-229

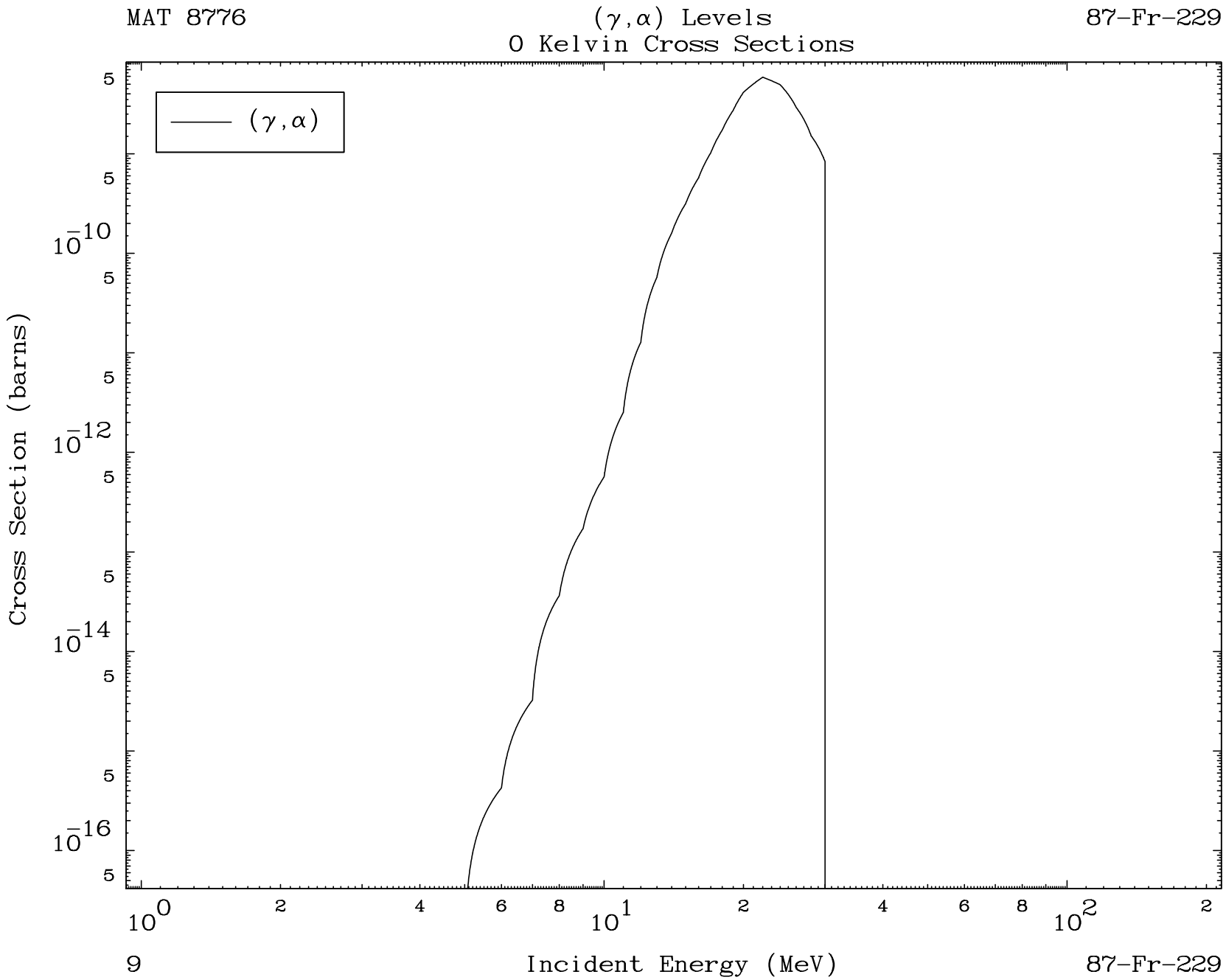

MAT 8776
Photon Charged Particle
0 Kelvin Cross Sections
87-Fr-229
(γ,2n) p
(γ,3n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
87-Fr-229
4

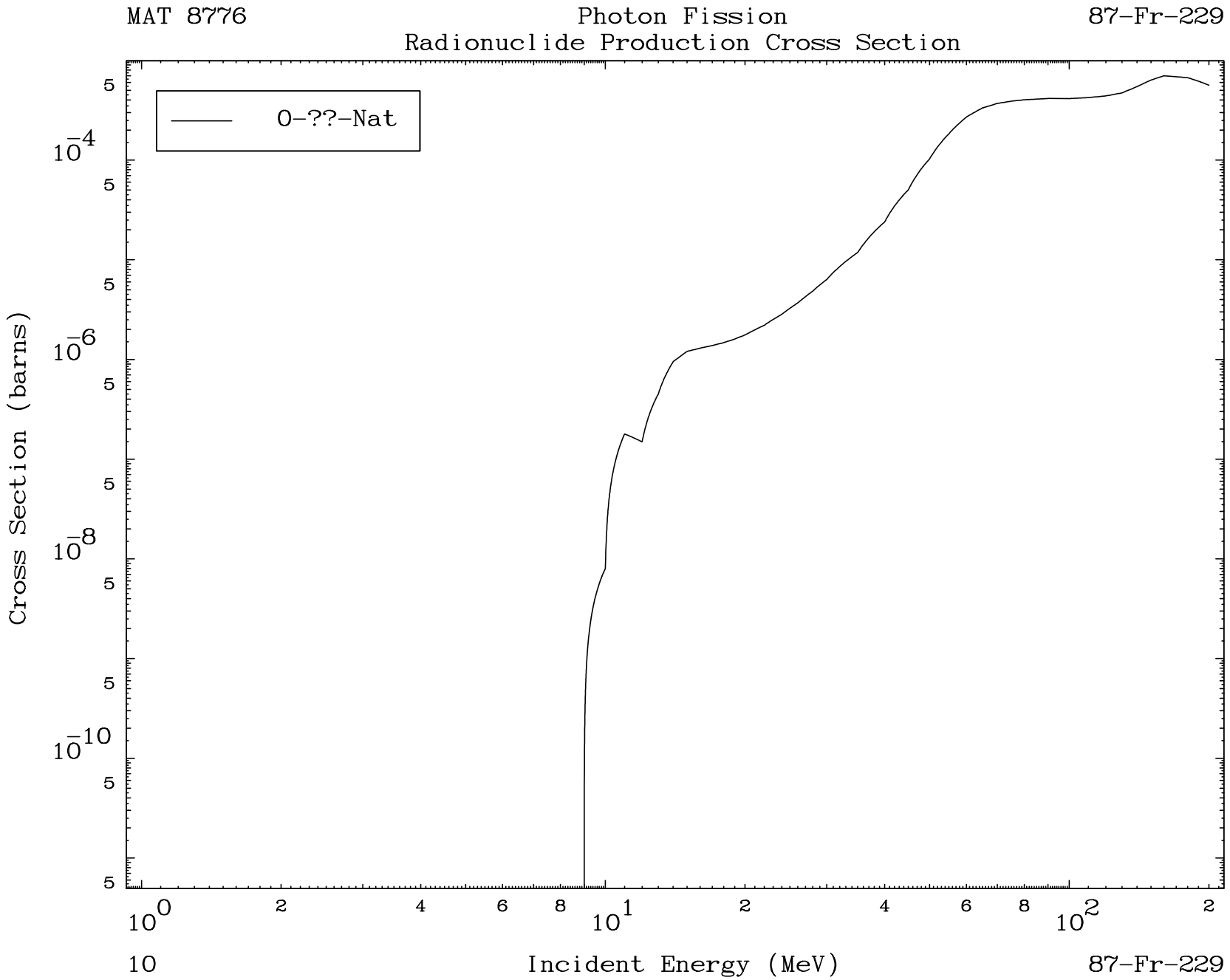

MAT 8776
(γ,n') Level
87-Fr-229
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10 2 3 4 5 6 7 8 9 10 2
Incident Energy (MeV)
5
87-Fr-229


MAT 8776
(γ,p) Levels
87-Fr-229
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-4
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)
6
87-Fr-229


MAT 8776
(γ,d) Levels
87-Fr-229
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)
87-Fr-229


MAT 8776
(γ,t) Levels
87-Fr-229
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)
87-Fr-229


MAT 8776
(γ,α) Levels
87-Fr-229
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
9
87-Fr-229


MAT 8776
Photon Fission
87-Fr-229
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
87-Fr-229