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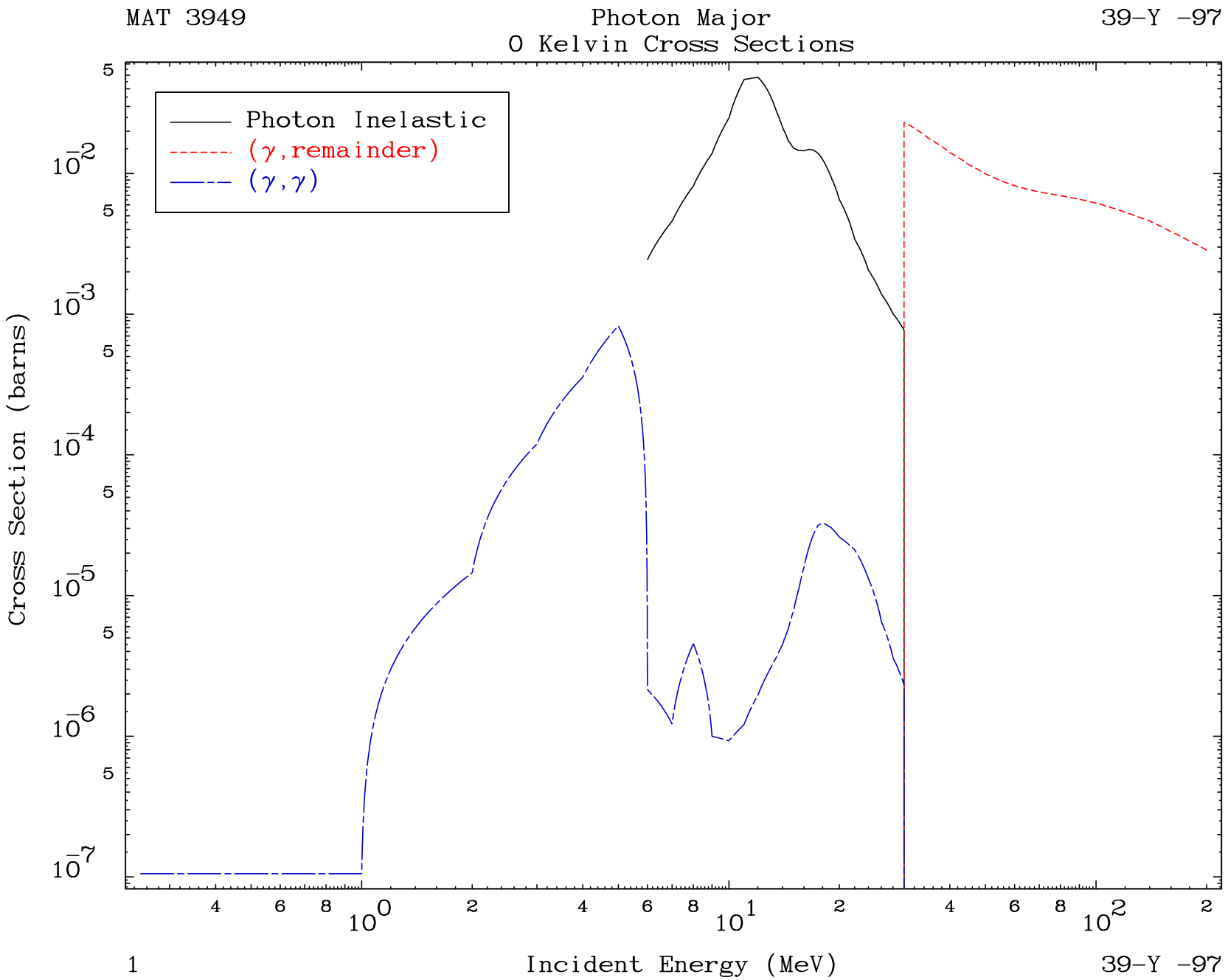
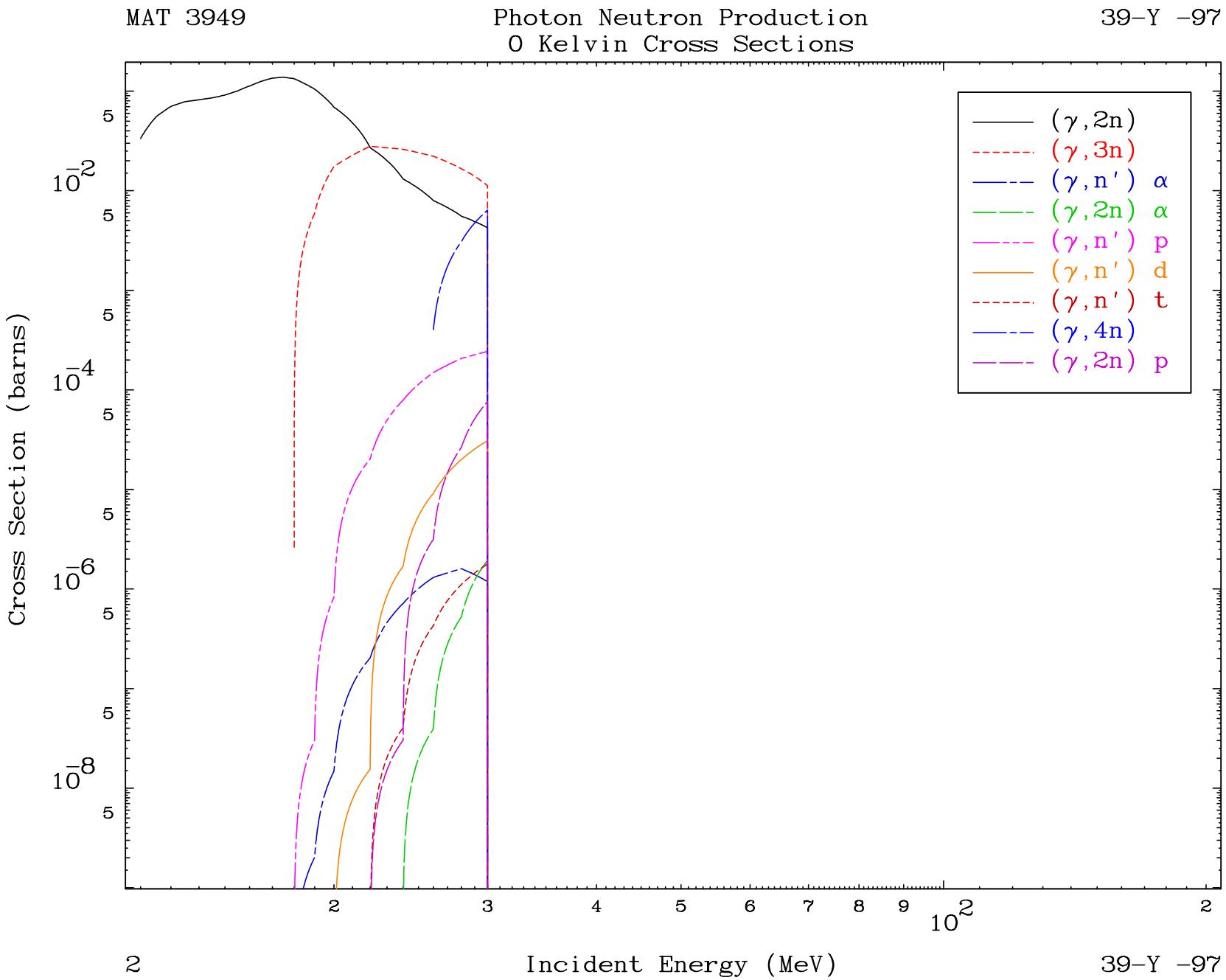
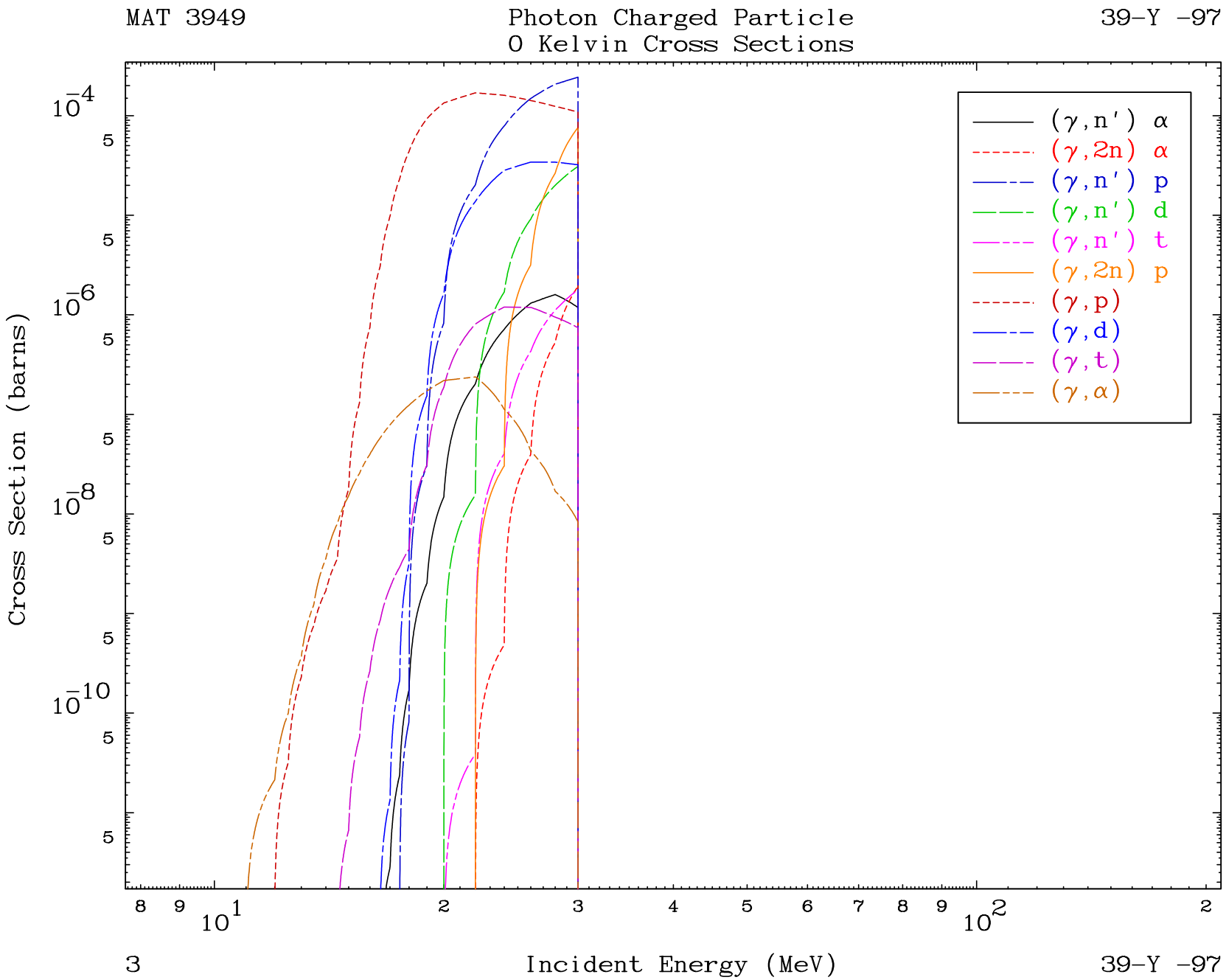
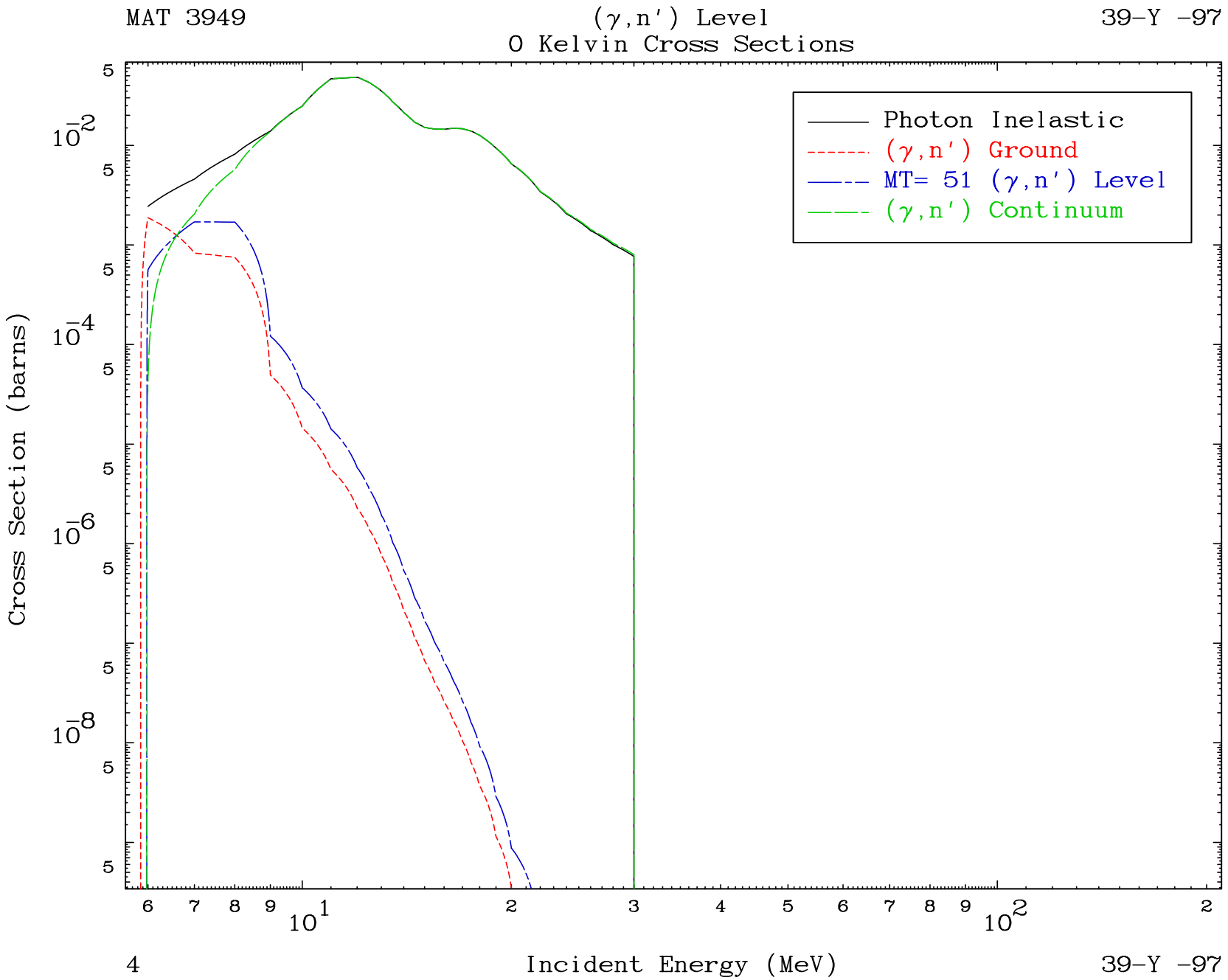
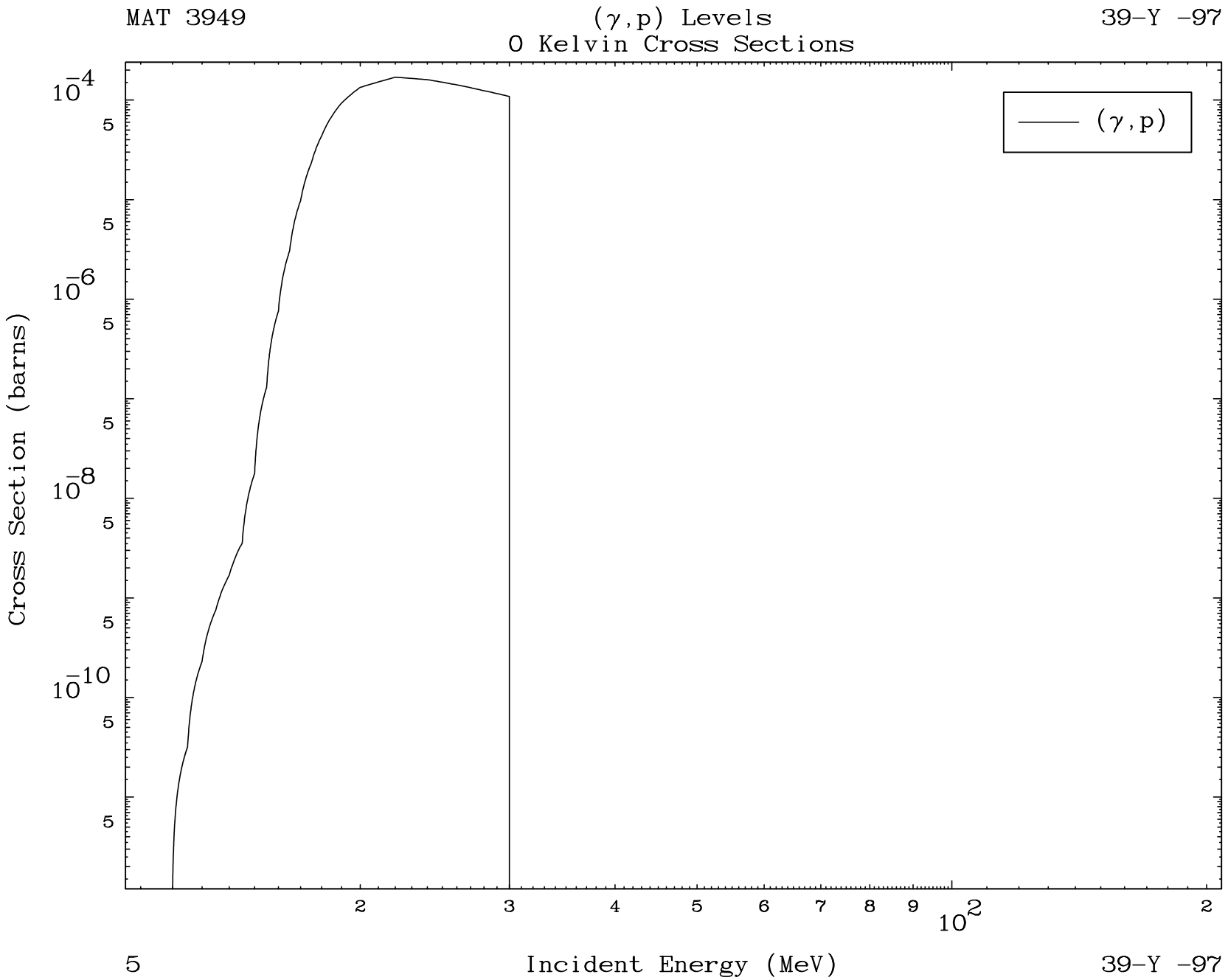
Press Mouse Button to Start

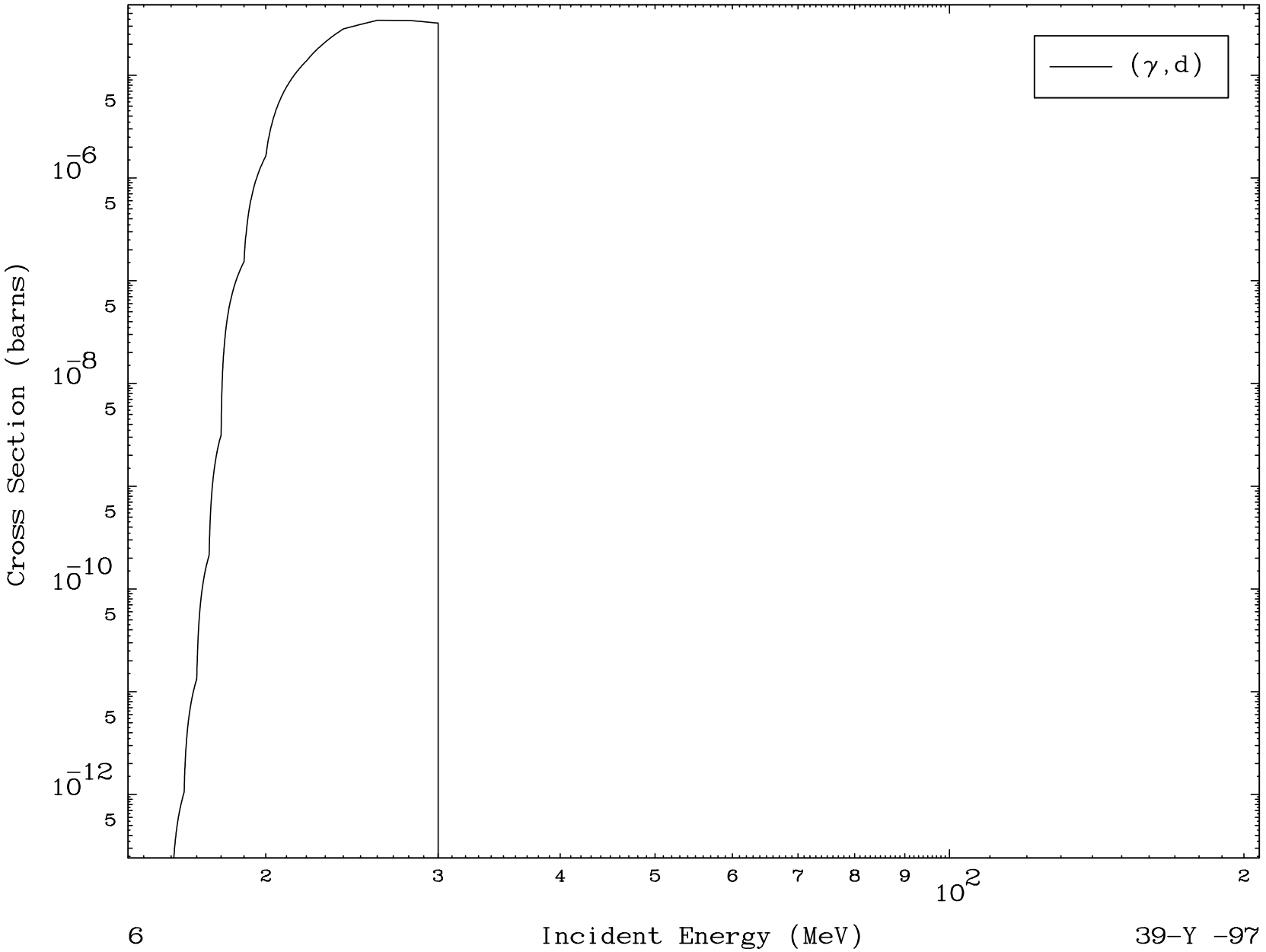

MAT 3949
Photon Major
39-Y -97
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
39-Y -97
1

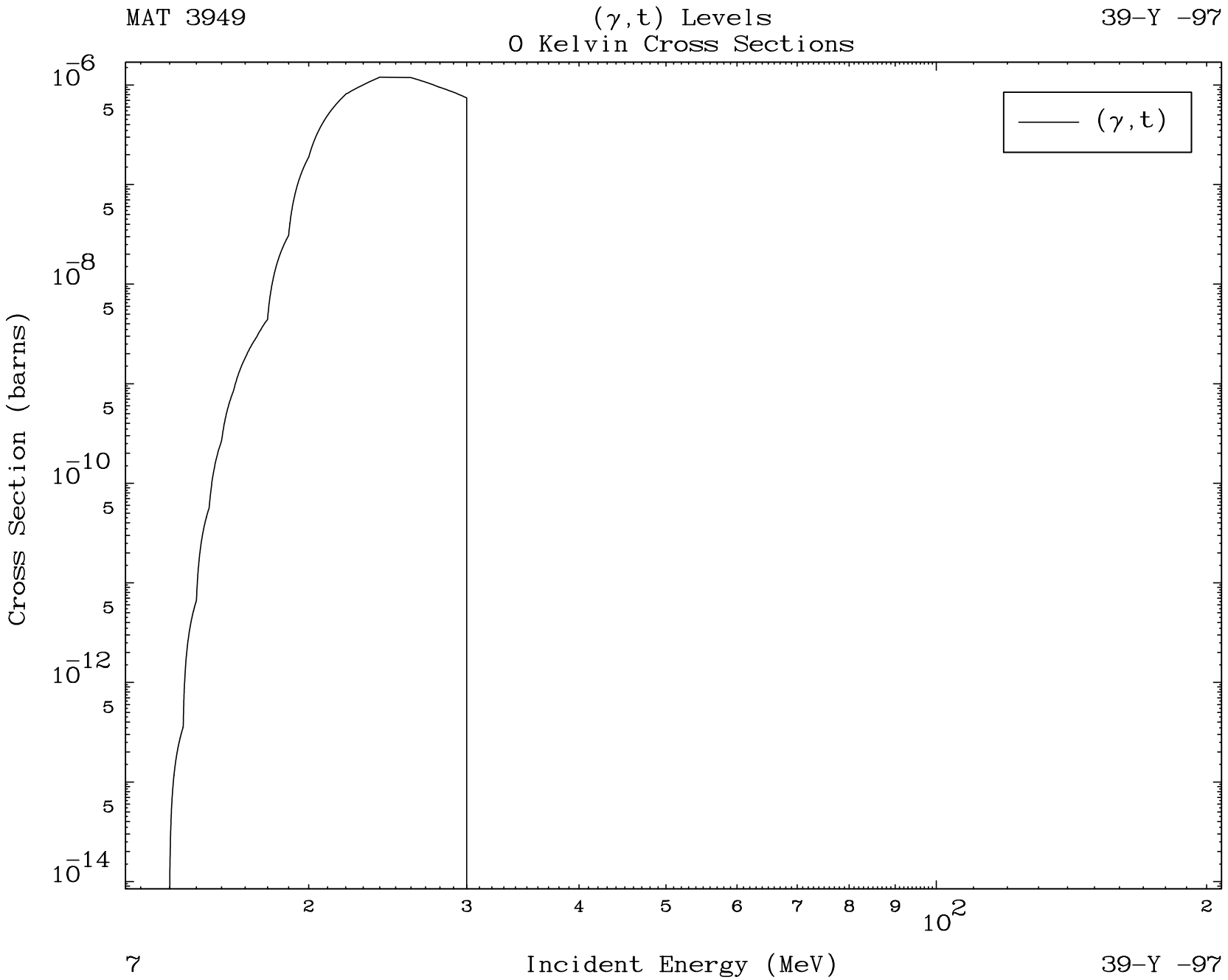

MAT 3949
Photon Neutron Production
0 Kelvin Cross Sections
39-Y -97
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p
Cross Section (barns)
Incident Energy (MeV)
2
39-Y -97

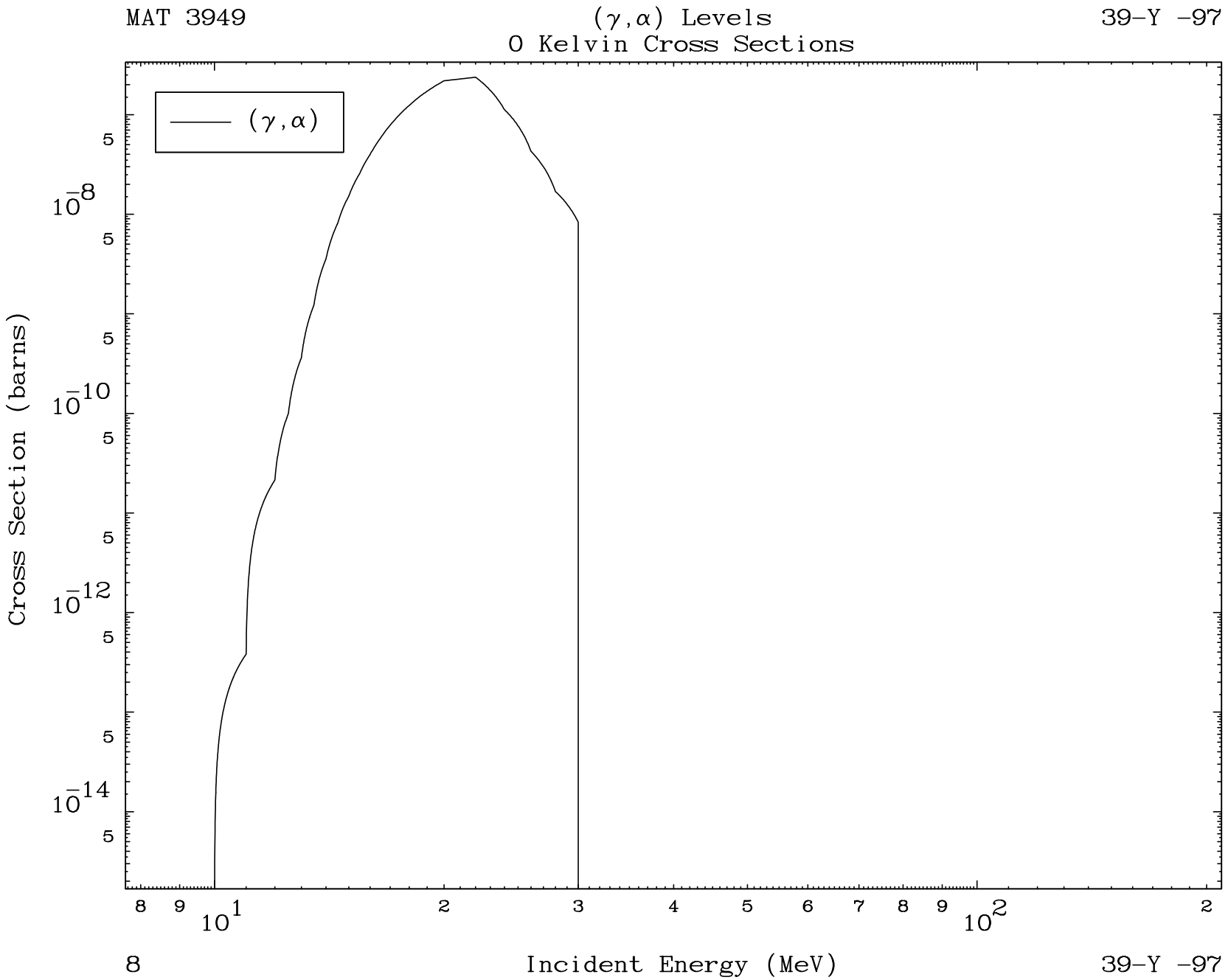

MAT 3949
Photon Charged Particle
0 Kelvin Cross Sections
39-Y -97
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
3
39-Y -97

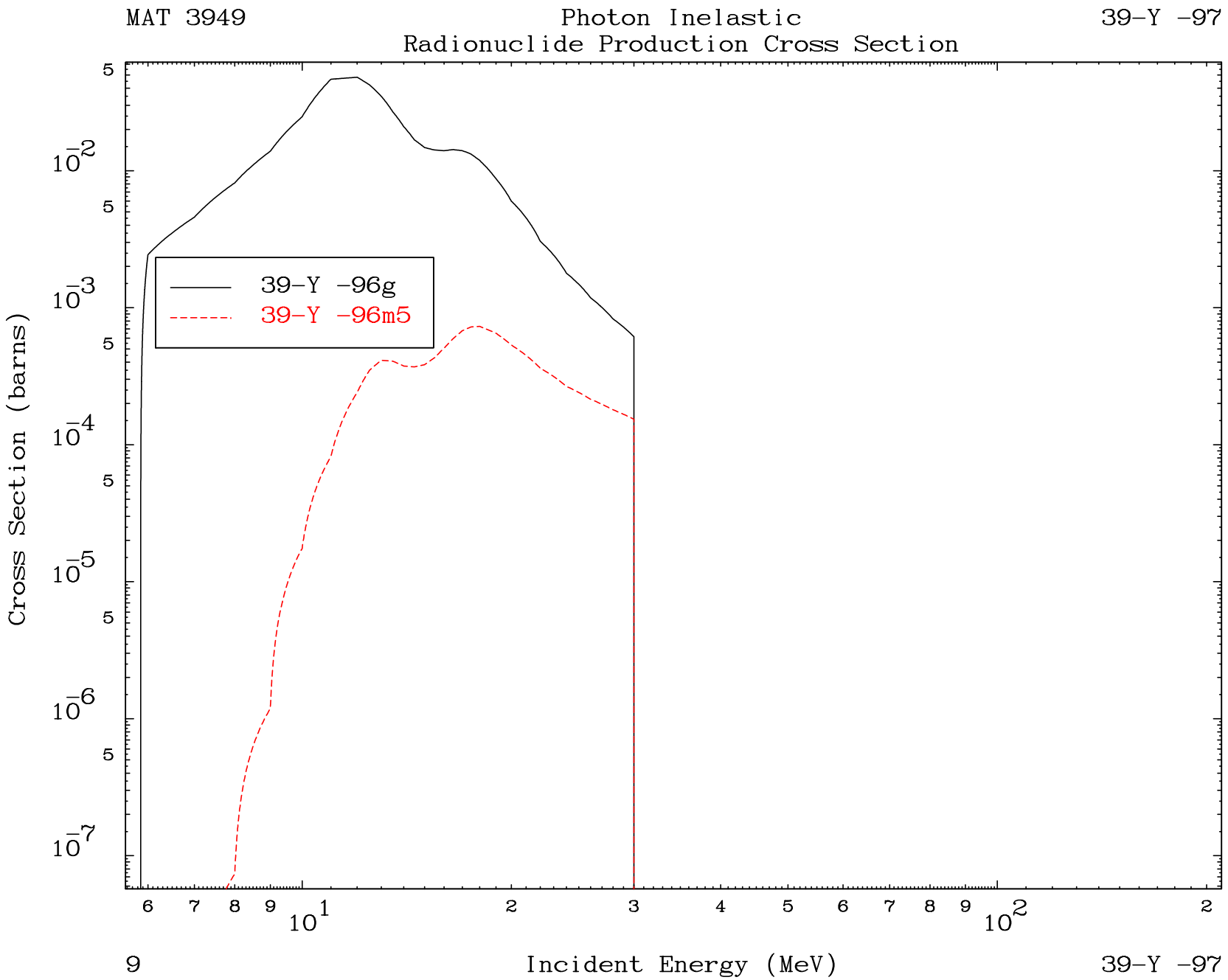

MAT 3949
(γ,n') Level
39-Y -97
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
39-Y -97

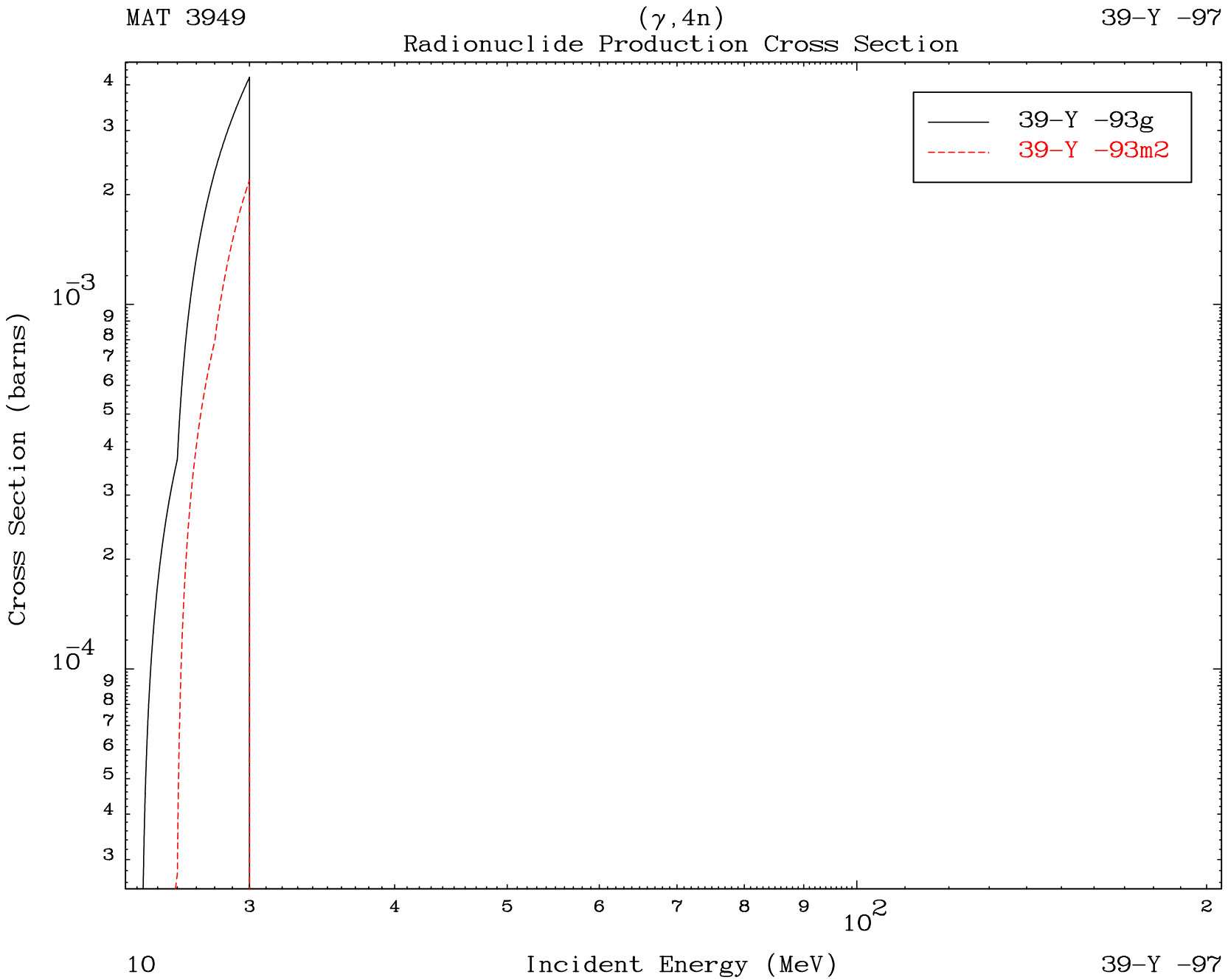

MAT 3949
(γ,p) Levels
39-Y -97
0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(γ,p)
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
39-Y -97

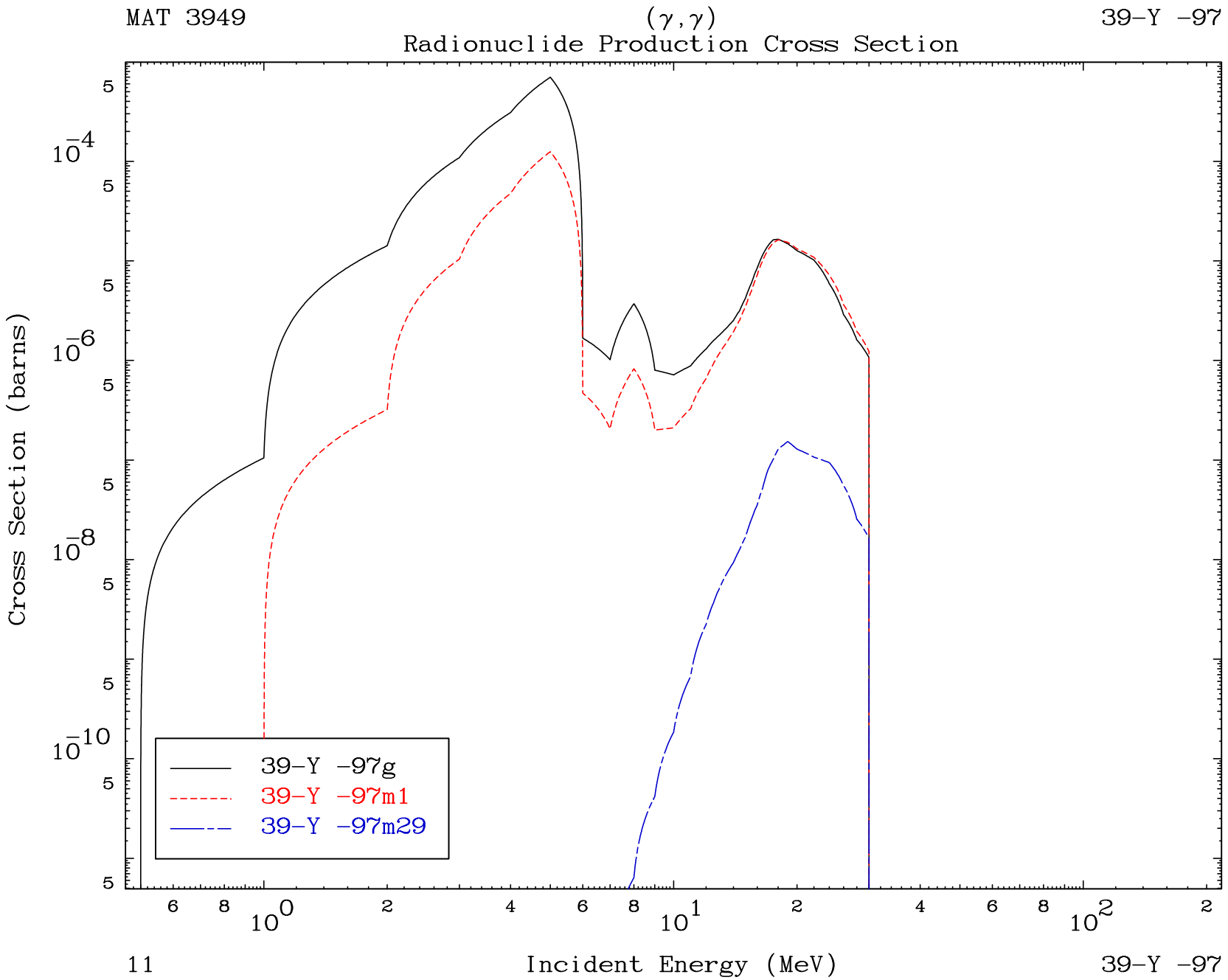

0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 3949
(γ,t) Levels
39-Y -97
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-6
5
10-8
5
10-10
5
10-12
5
10-14
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
39-Y -97


MAT 3949
(γ,α) Levels
39-Y -97
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
8
39-Y -97


MAT 3949
Photon Inelastic
39-Y -97
Radionuclide Production Cross Section
39-Y -96g
39-Y -96m5
Cross Section (barns)
Incident Energy (MeV)
39-Y -97
9


MAT 3949
(γ,4n)
39-Y -97
Radionuclide Production Cross Section
39-Y -93g
39-Y -93m2
Cross Section (barns)
10^-3
10^-4
10^2
10
Incident Energy (MeV)
39-Y -97


MAT 3949
(γ,γ)
39-Y -97
Radionuclide Production Cross Section
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
39-Y -97g
39-Y -97m1
39-Y -97m29
10^0
10^1
10^2
Incident Energy (MeV)
11
39-Y -97