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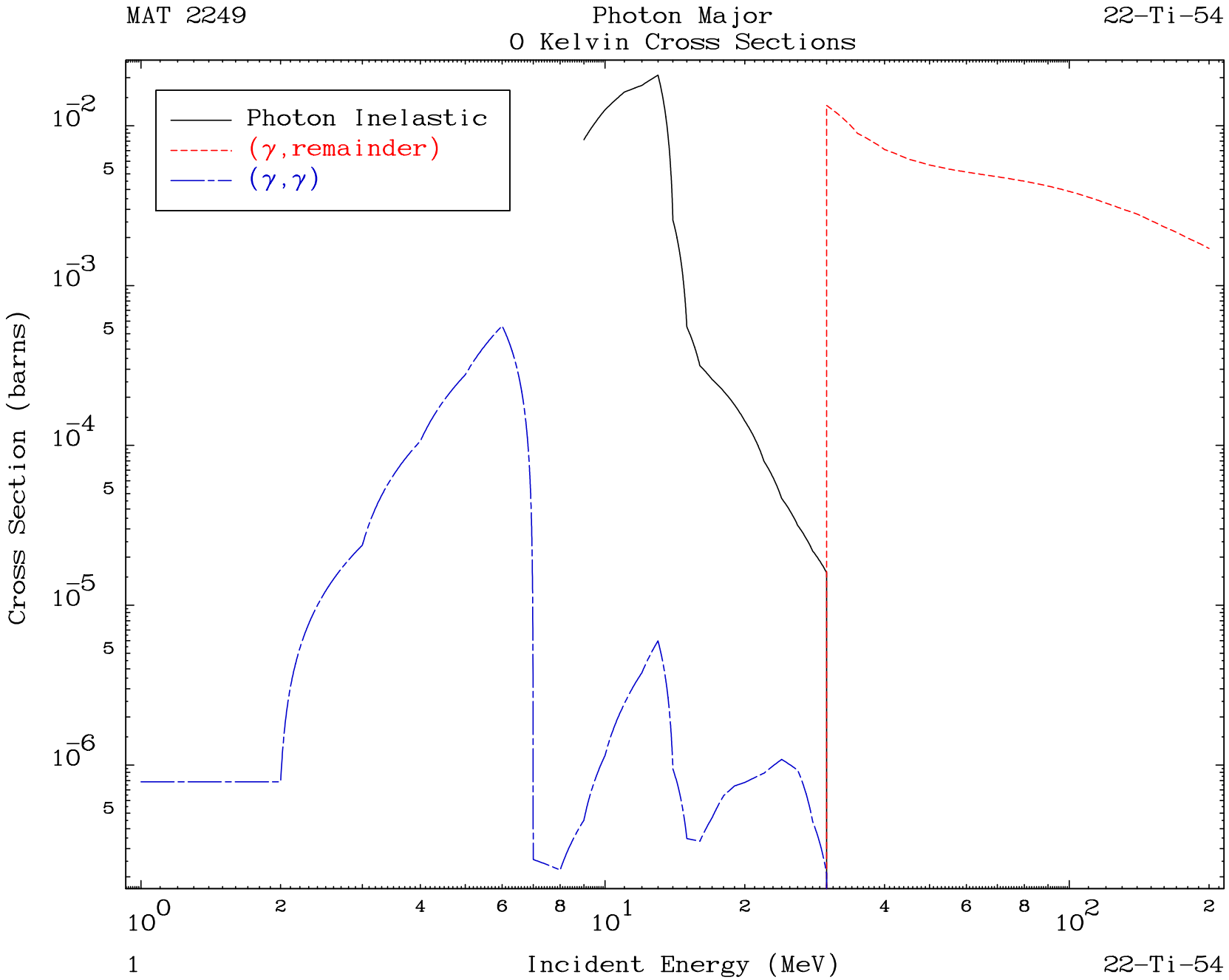
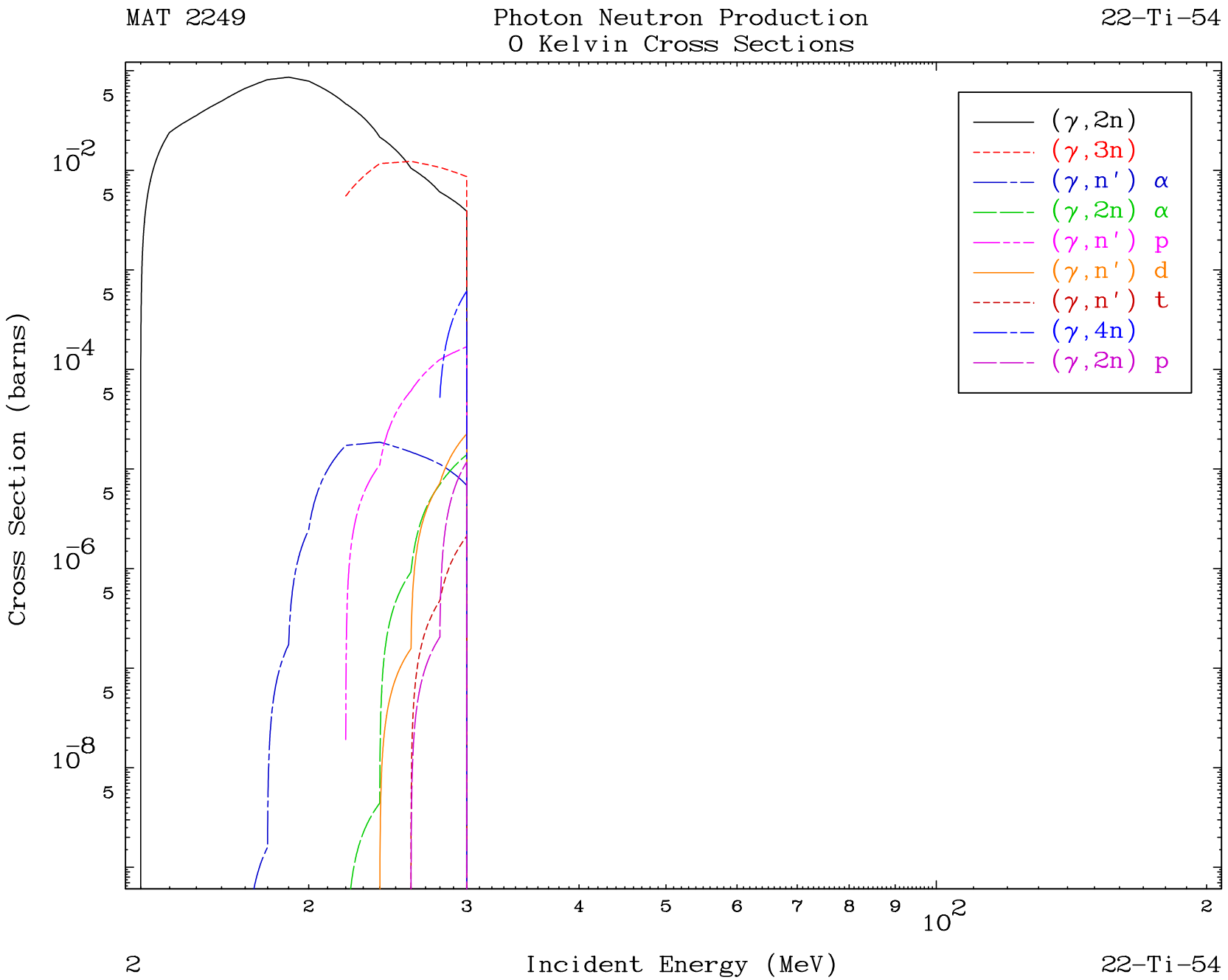
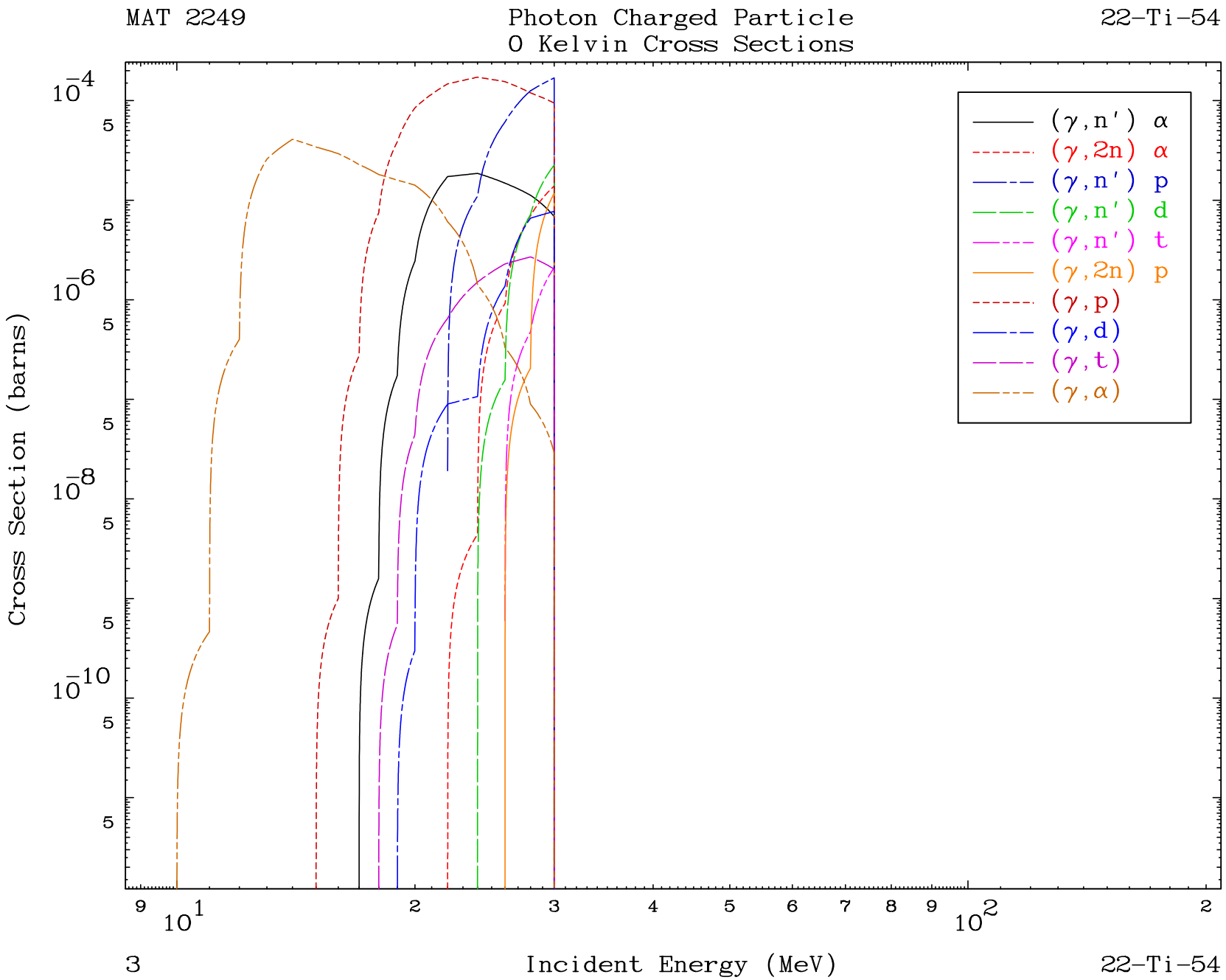
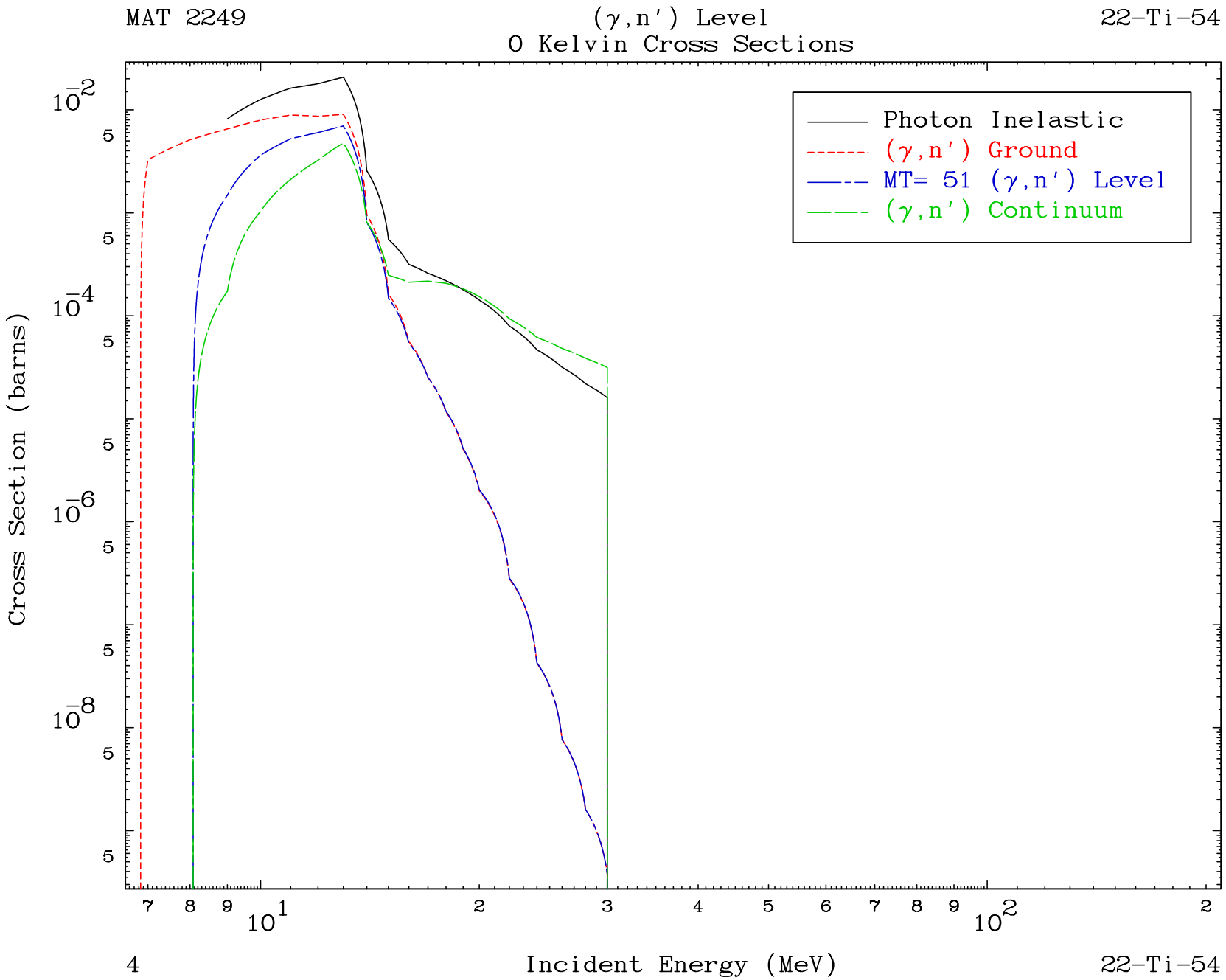
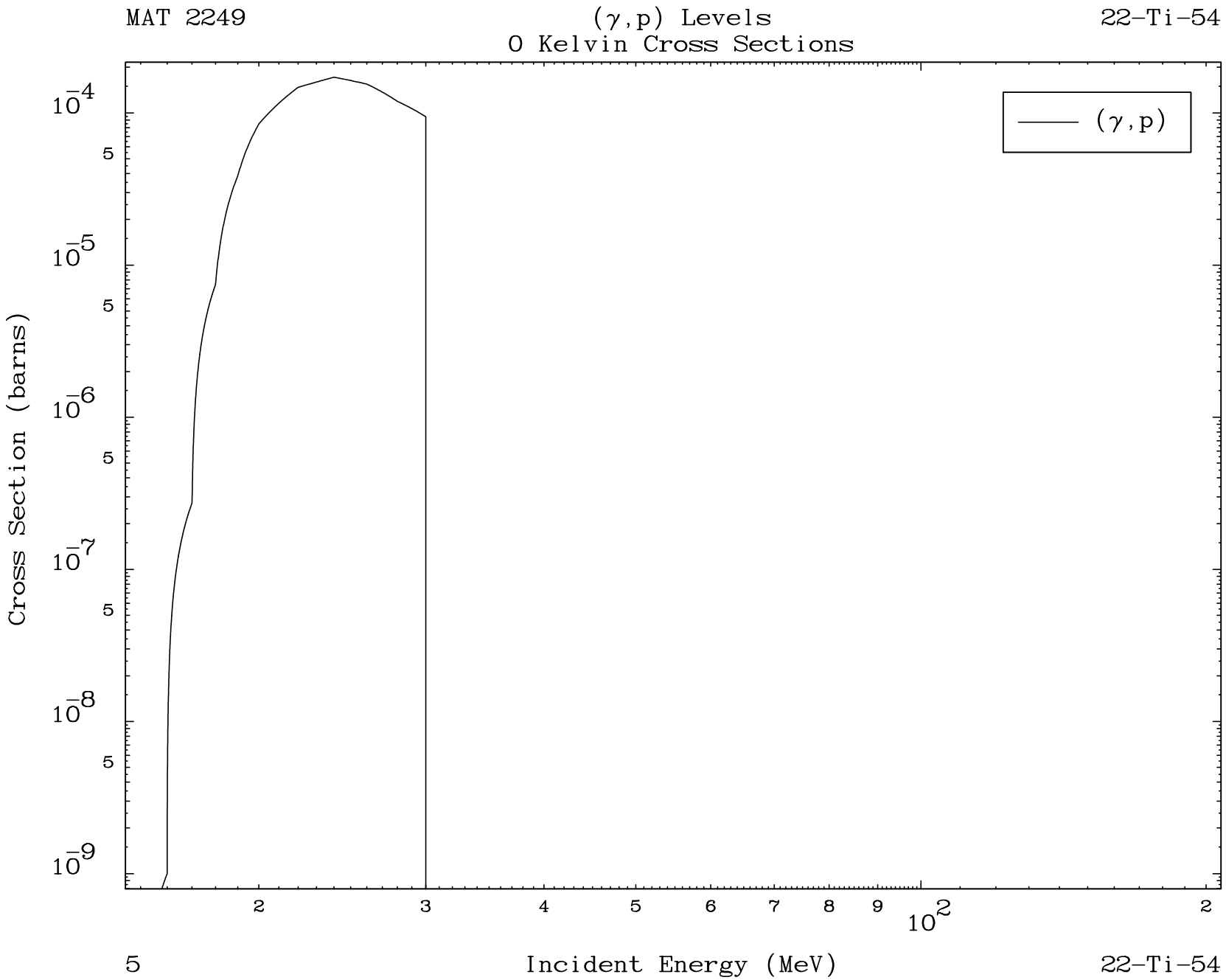
Press Mouse Button to Start

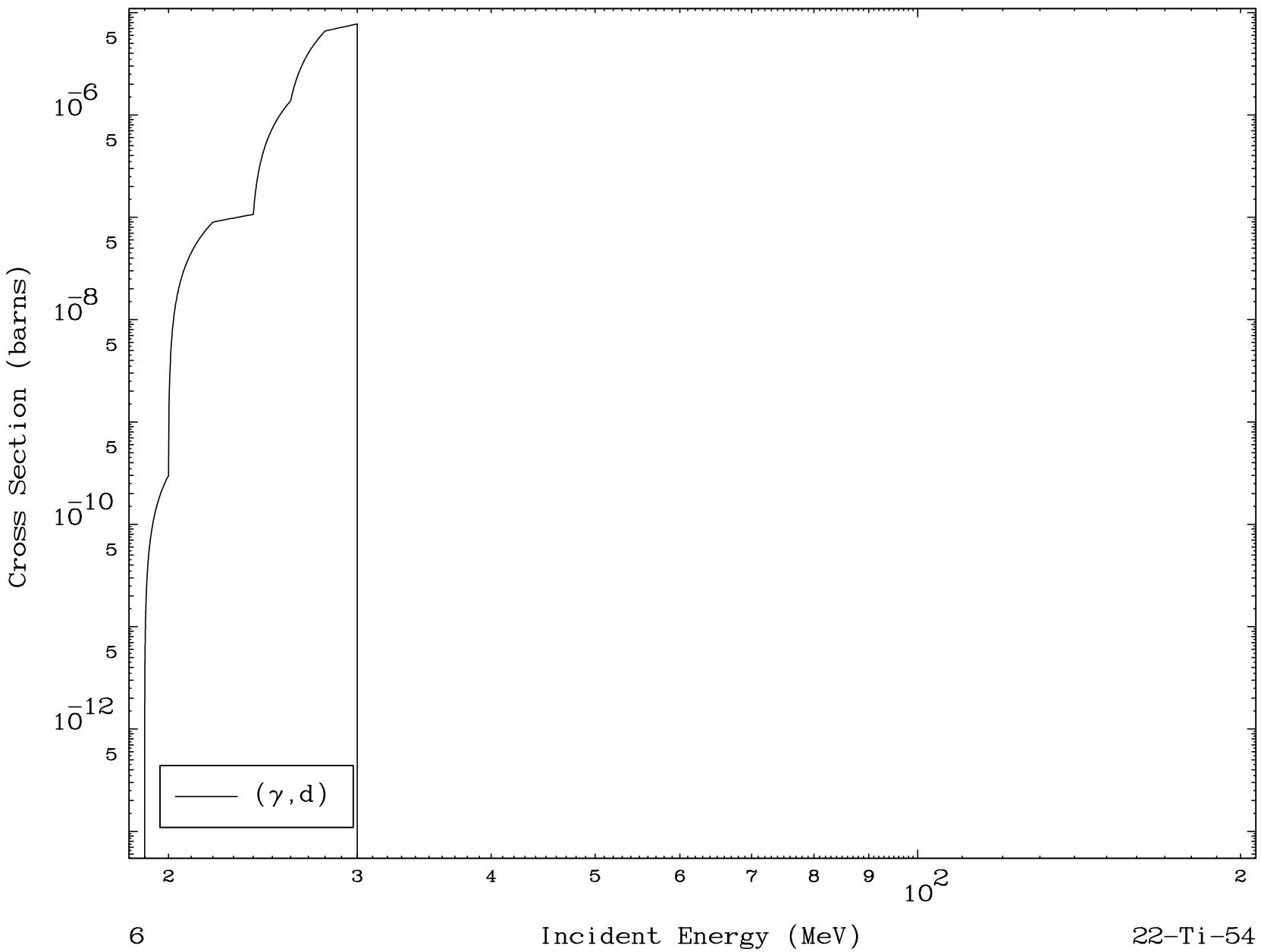

MAT 2249
Photon Major
22-Ti-54
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
22-Ti-54

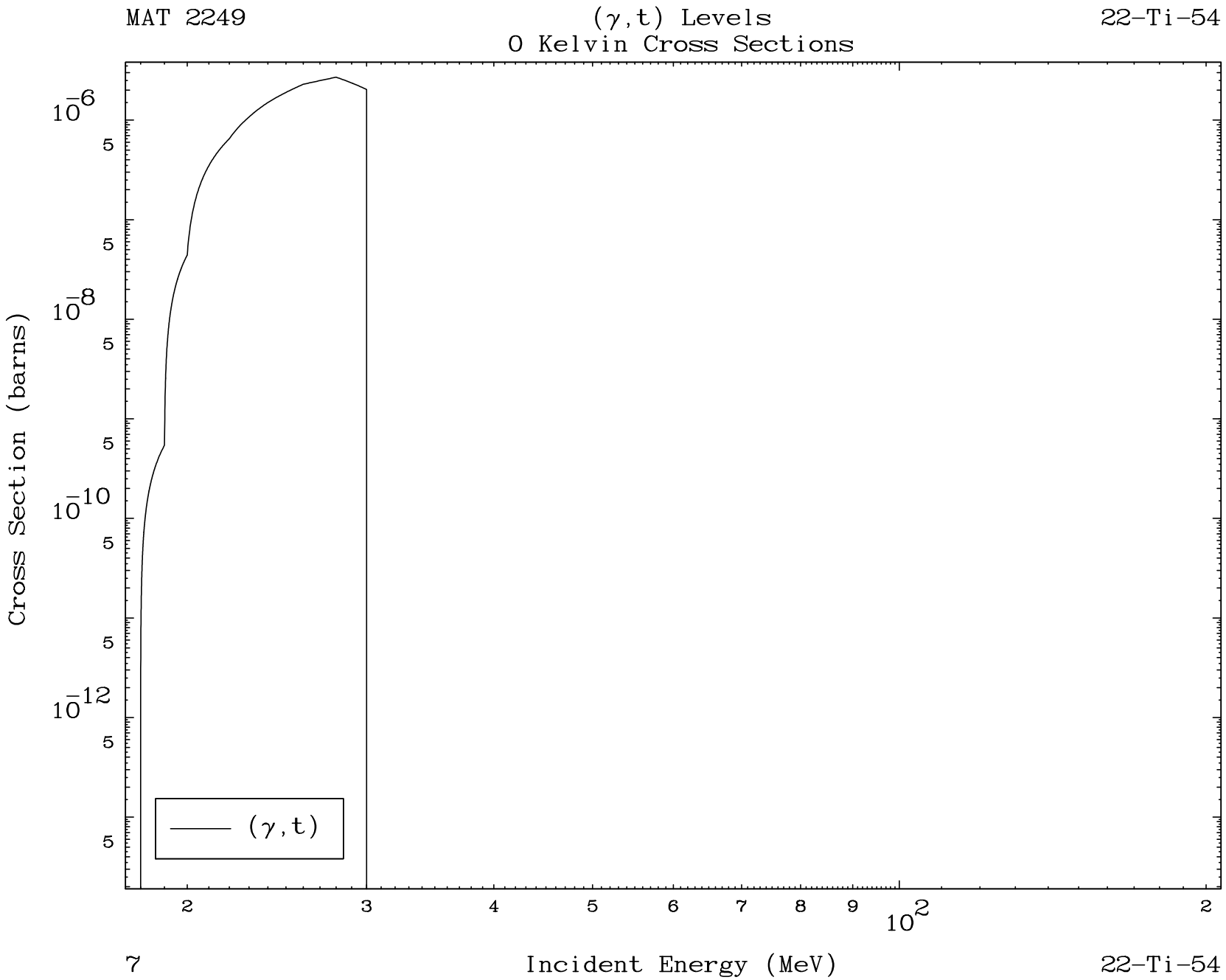

MAT 2249
Photon Neutron Production
0 Kelvin Cross Sections
22-Ti-54
Cross Section (barns)
10-2
10-4
10-6
10-8
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
22-Ti-54

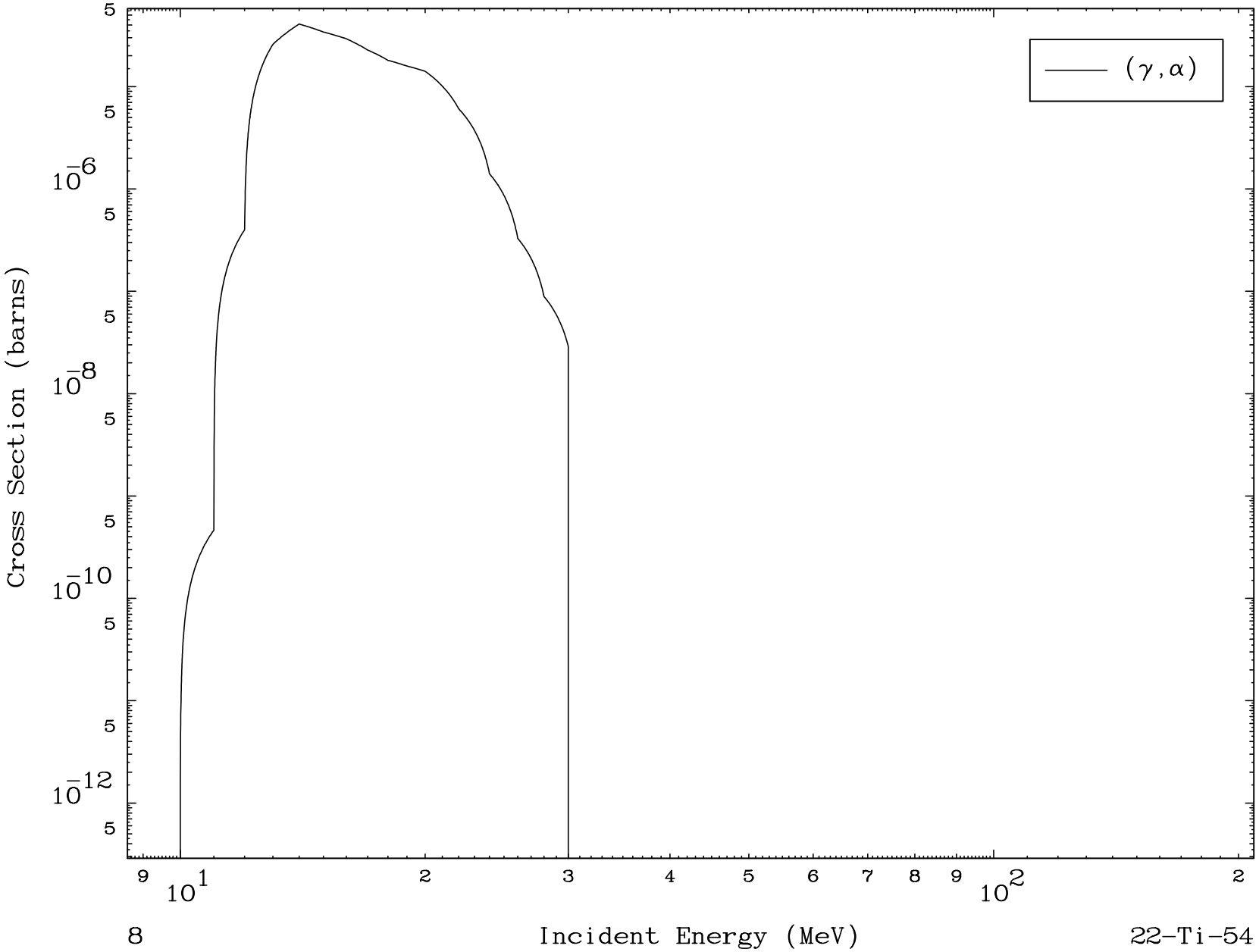

MAT 2249
Photon Charged Particle
0 Kelvin Cross Sections
22-Ti-54
Cross Section (barns)
10-4
10-6
10-8
10-10
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
3
22-Ti-54

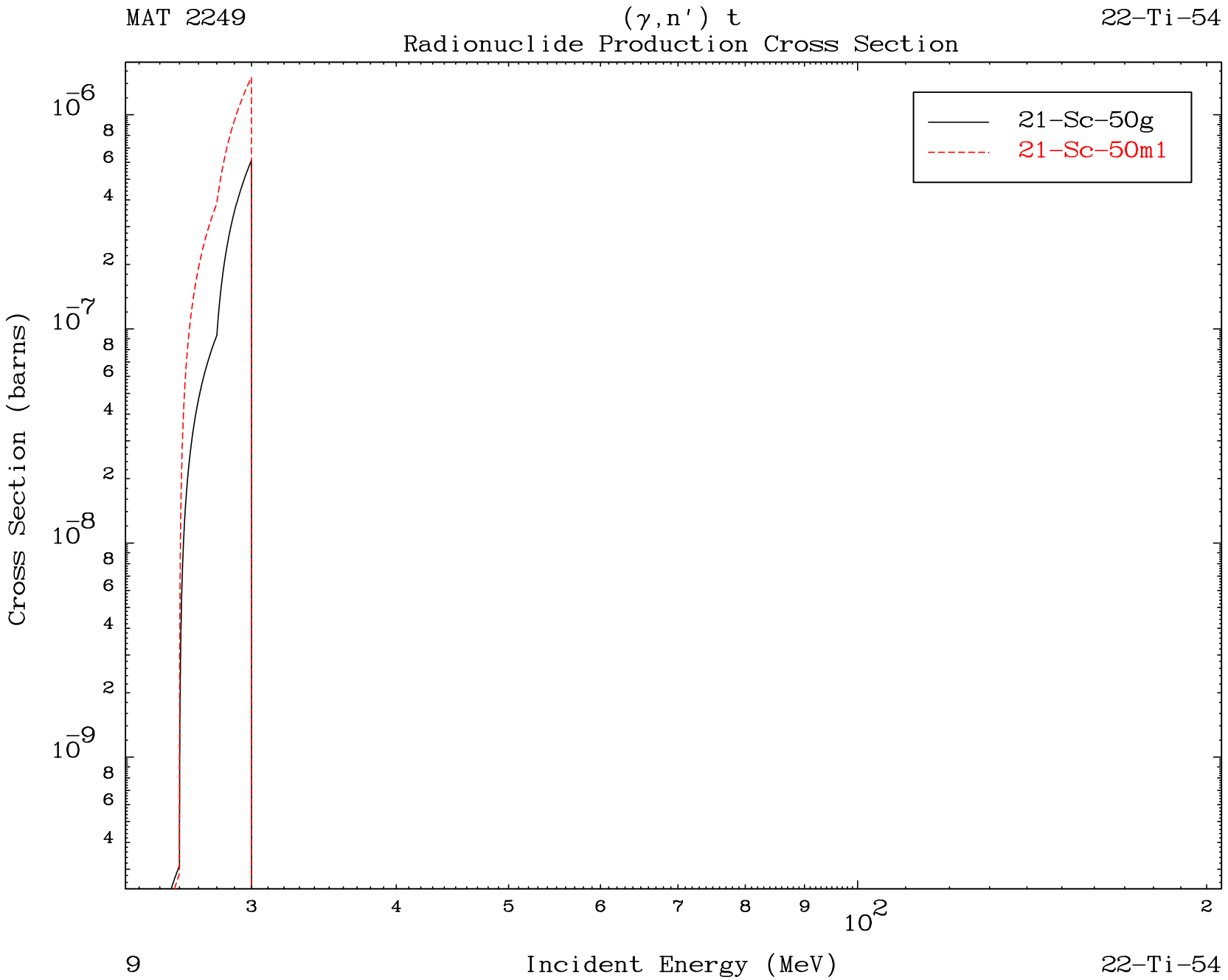

MAT 2249
(γ,n') Level
22-Ti-54
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
22-Ti-54


MAT 2249
(γ,p) Levels
22-Ti-54
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-4
5
10-5
5
10-6
5
10-7
5
10-8
5
10-9
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
22-Ti-54


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


MAT 2249
(γ,t) Levels
22-Ti-54
0 Kelvin Cross Sections
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
(γ,t)
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
22-Ti-54


0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)


MAT 2249
(γ,n') t
22-Ti-54
Radionuclide Production Cross Section
21-Sc-50g
21-Sc-50m1
Cross Section (barns)
Incident Energy (MeV)
9
22-Ti-54