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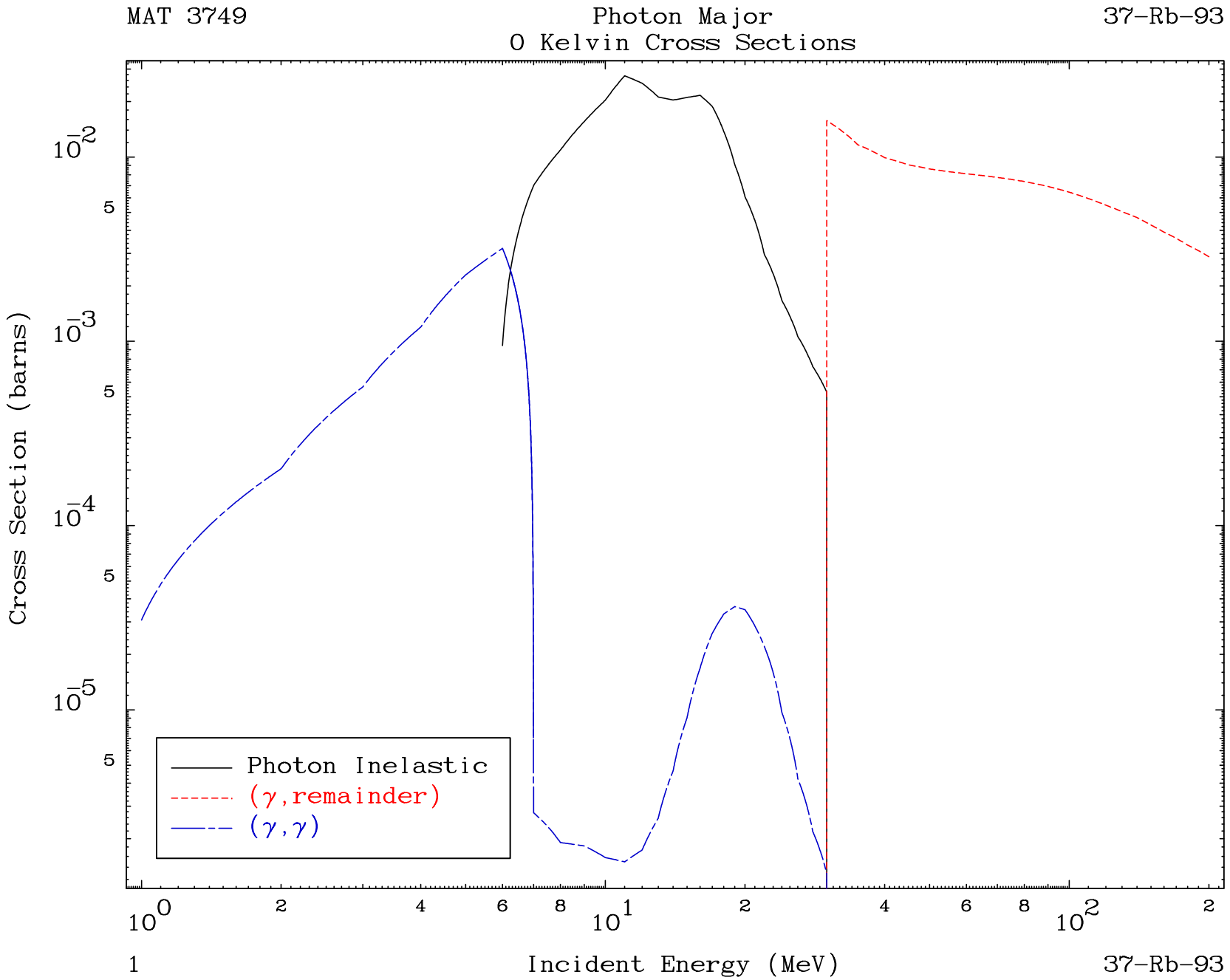
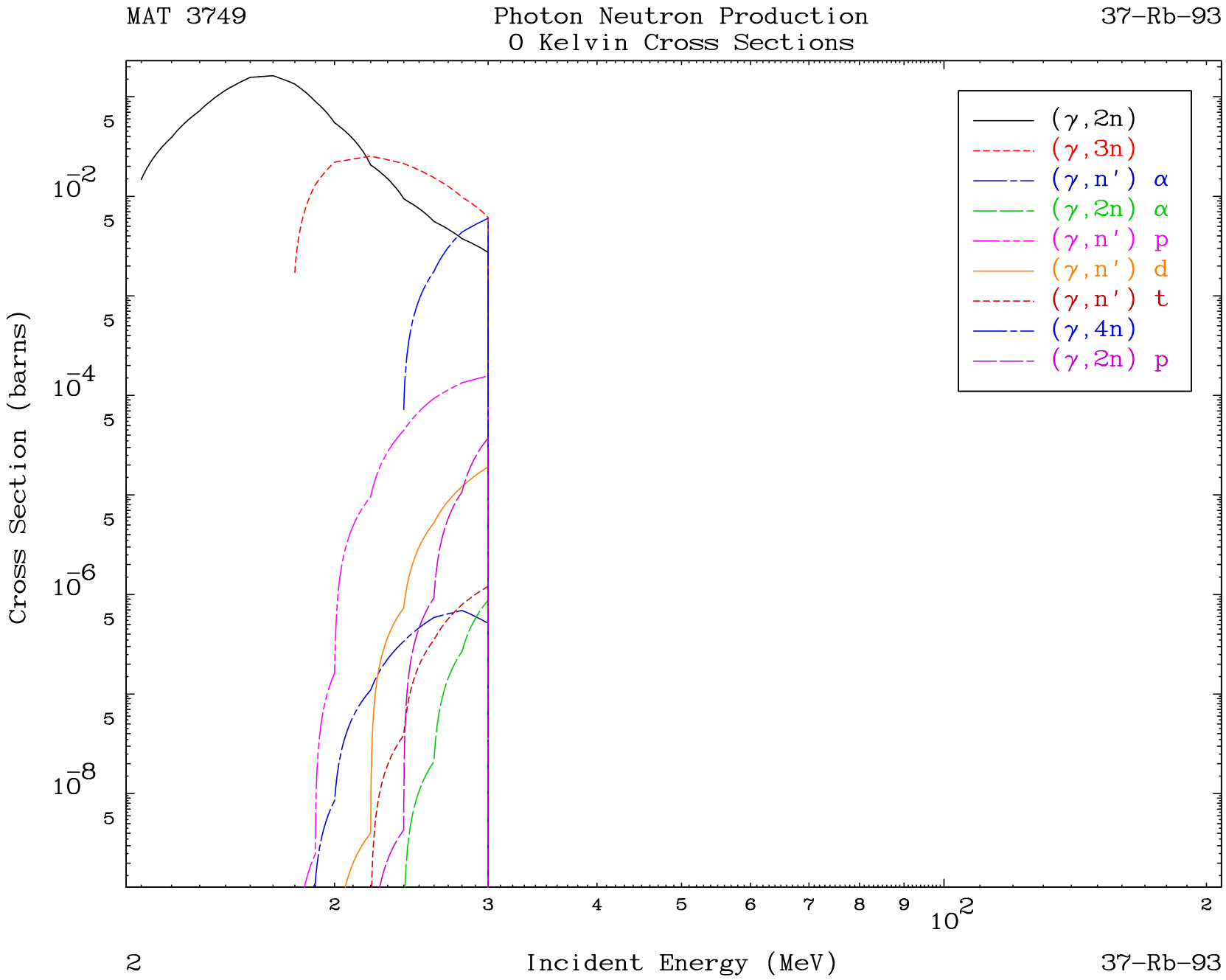
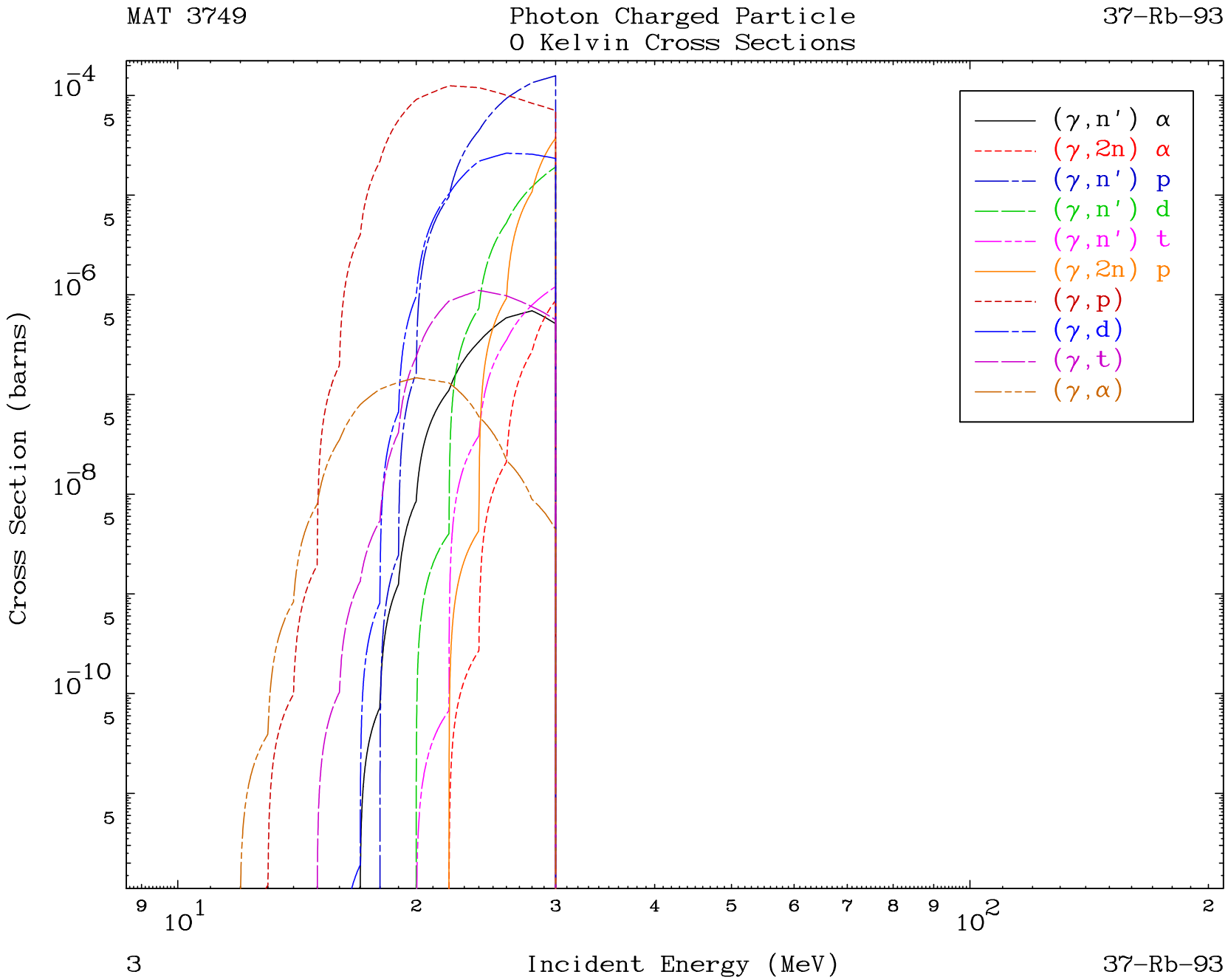
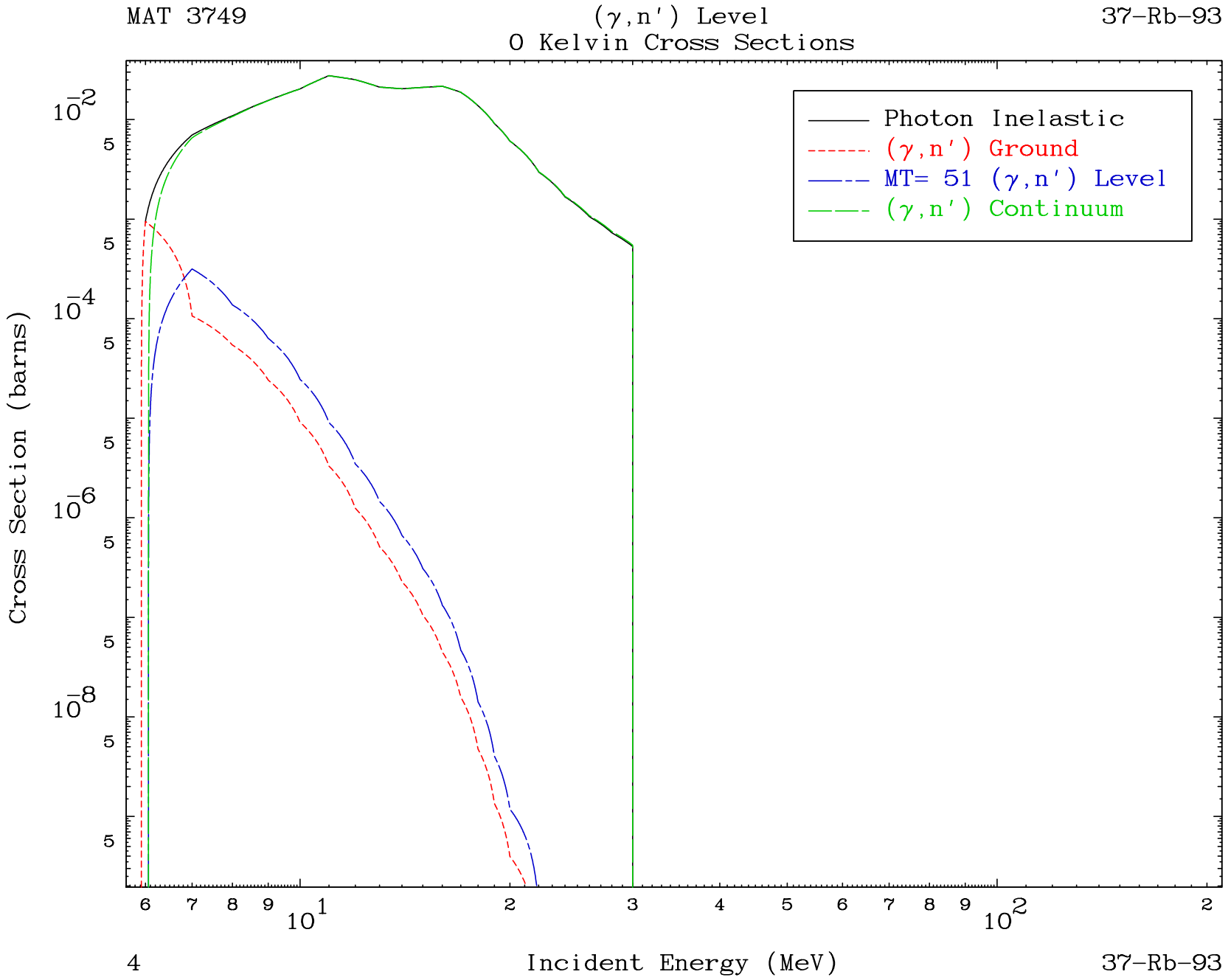
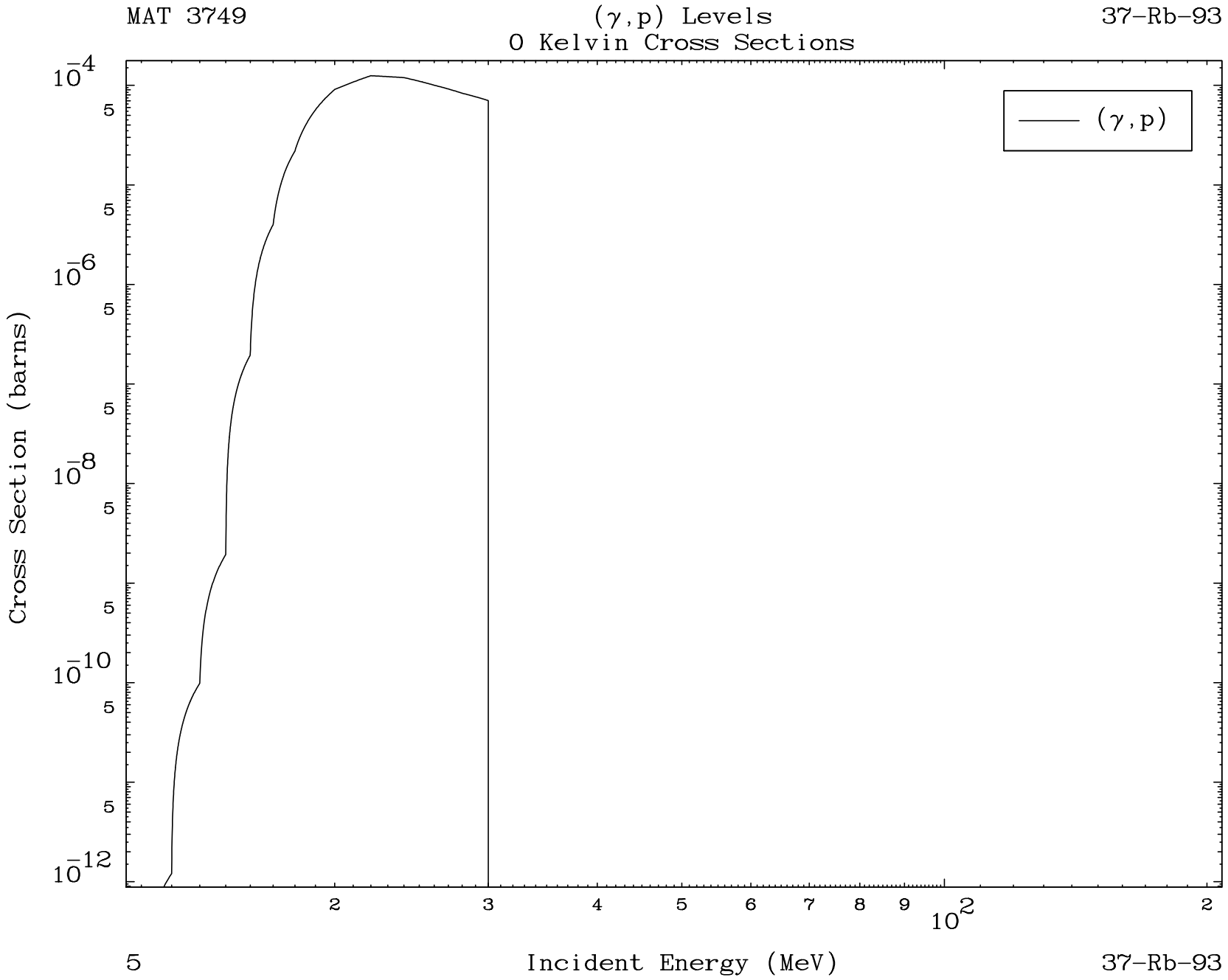
Press Mouse Button to Start

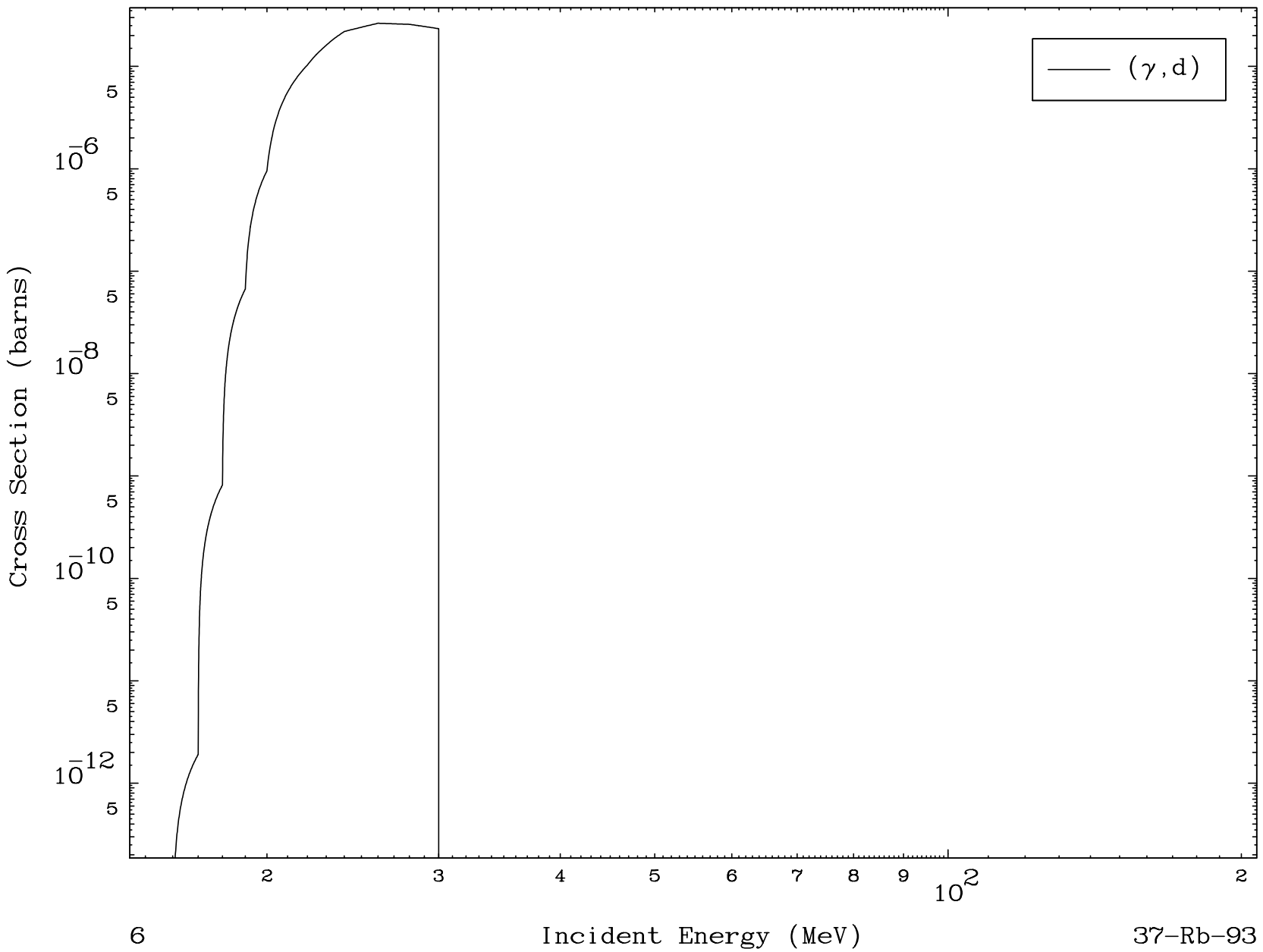

MAT 3749
Photon Major
37-Rb-93
0 Kelvin Cross Sections
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
Photon Inelastic
(γ,remainder)
(γ,γ)
100
2
4
6
8
101
2
4
6
8
102
2
1
Incident Energy (MeV)
37-Rb-93

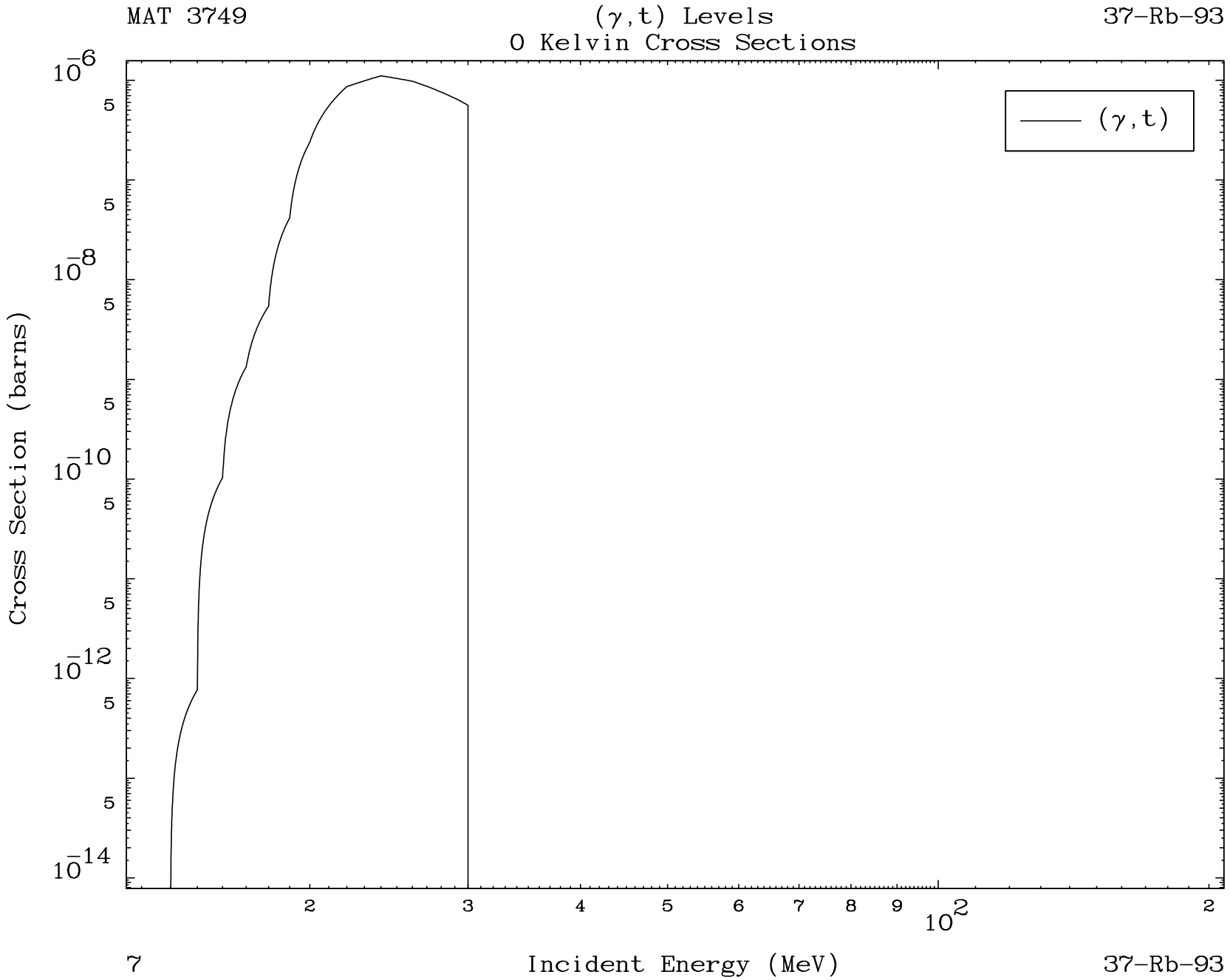

MAT 3749
Photon Neutron Production
0 Kelvin Cross Sections
37-Rb-93
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
37-Rb-93

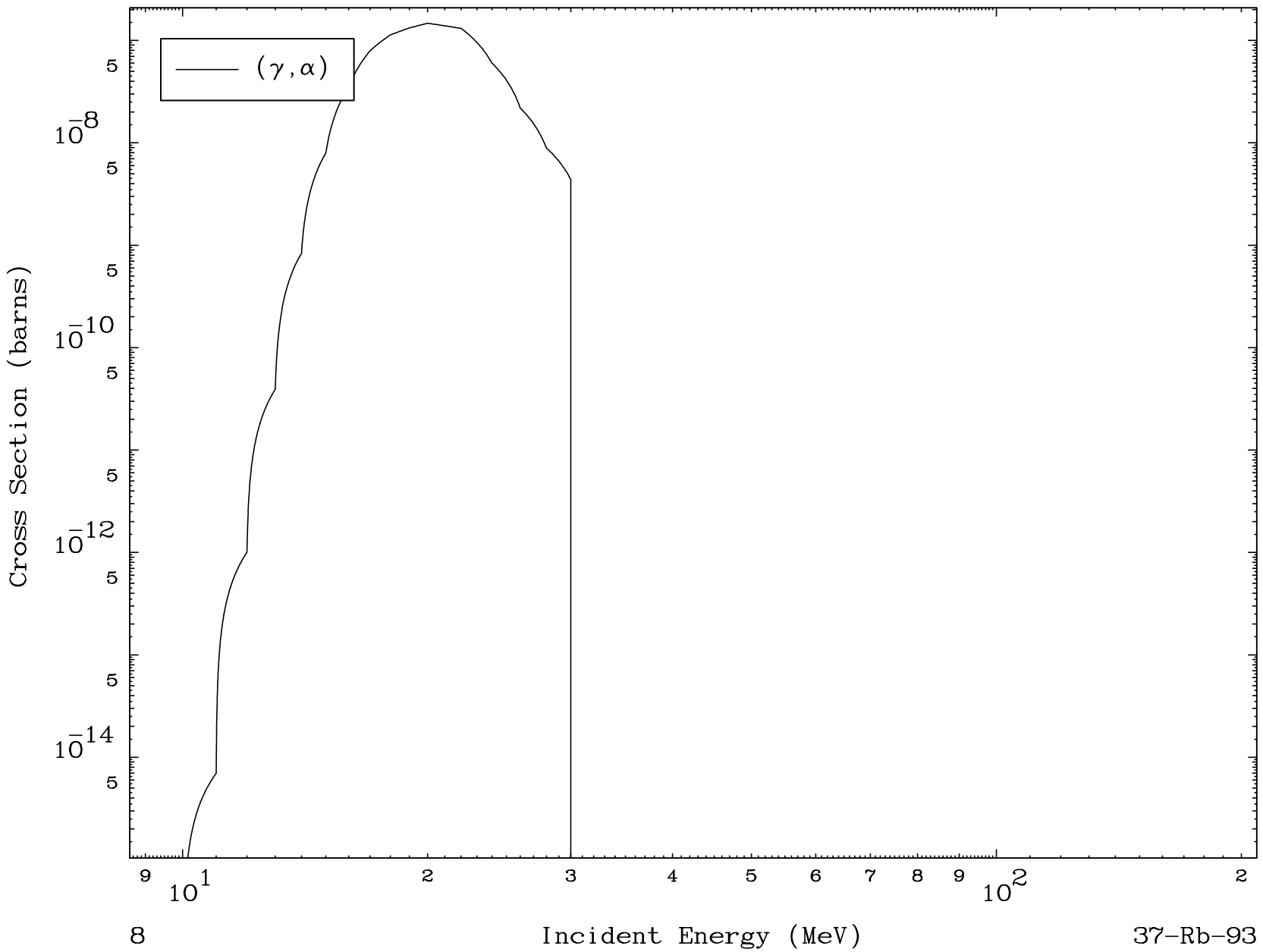

MAT 3749
Photon Charged Particle
0 Kelvin Cross Sections
37-Rb-93
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
3
37-Rb-93

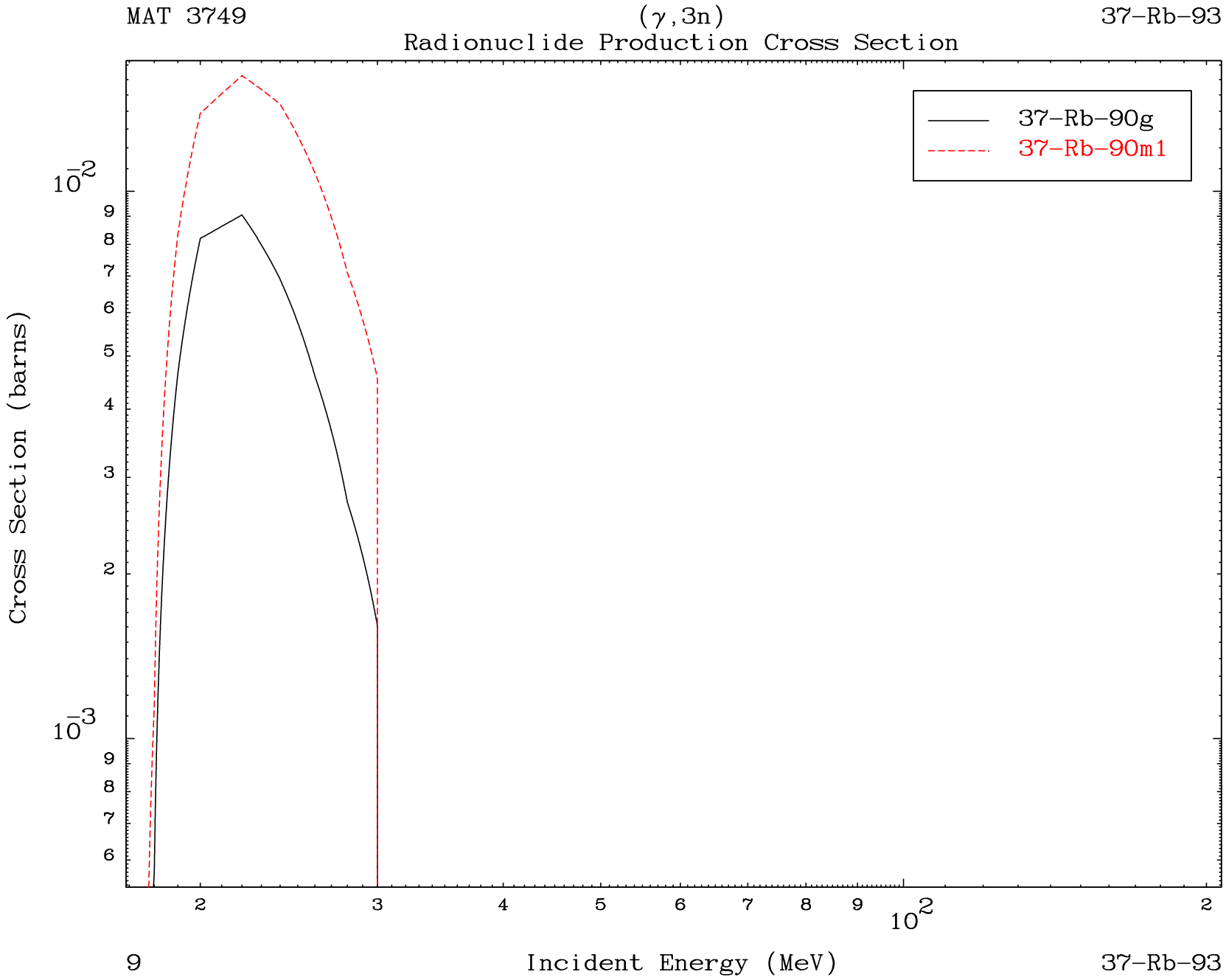

MAT 3749
(γ,n') Level
37-Rb-93
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
37-Rb-93


MAT 3749
(γ,p) Levels
37-Rb-93
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
5
37-Rb-93


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


MAT 3749
(γ,t) Levels
37-Rb-93
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^-14
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
37-Rb-93


0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10⁻8
10⁻10
10⁻12
10⁻14
5
9 10¹ 2 3 4 5 6 7 8 9 10² 2
Incident Energy (MeV)


MAT 3749
(γ,3n)
37-Rb-93
Radionuclide Production Cross Section
37-Rb-90g
37-Rb-90m1
Cross Section (barns)
10-2
10-3
9
8
7
6
5
4
3
2
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
37-Rb-93