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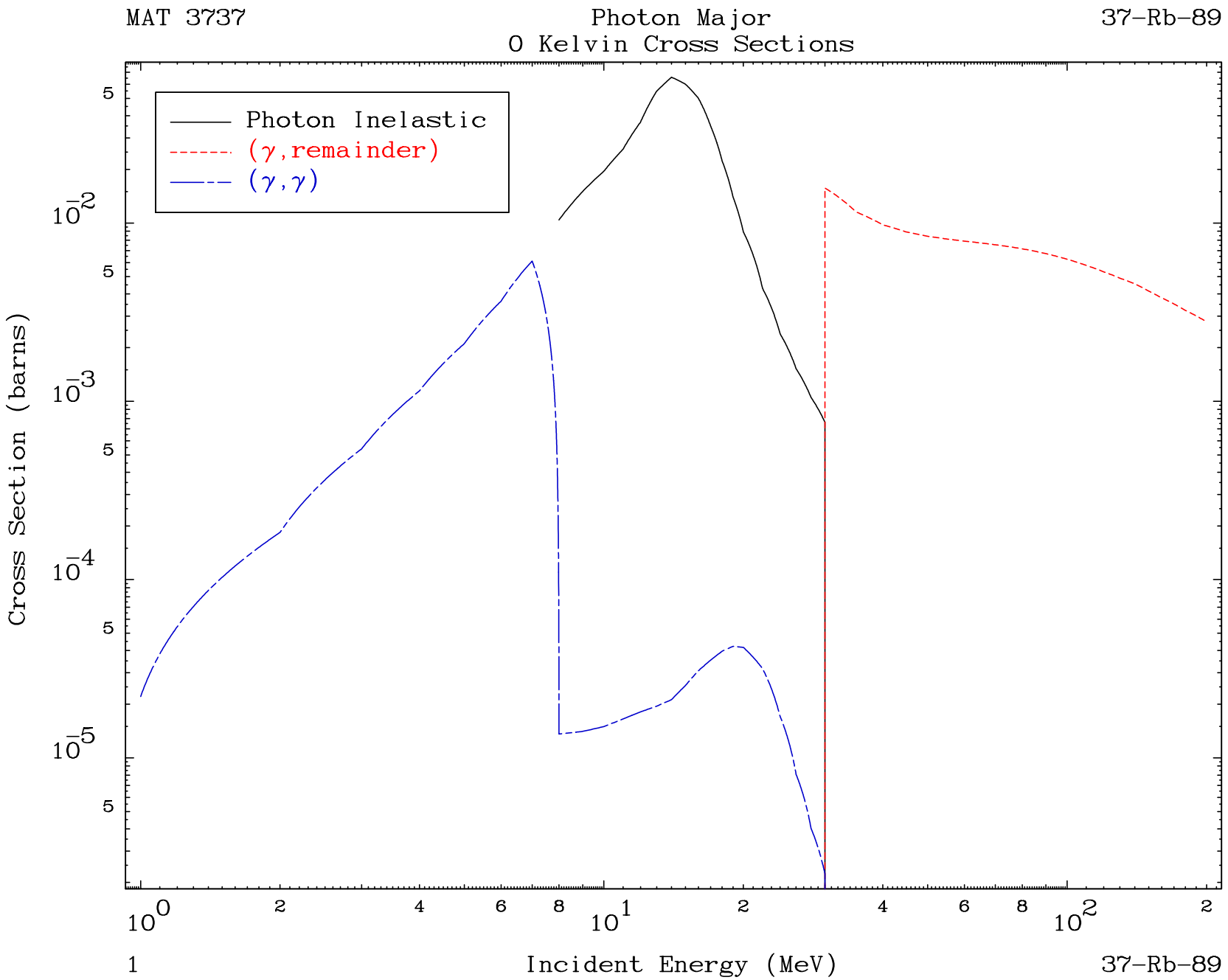
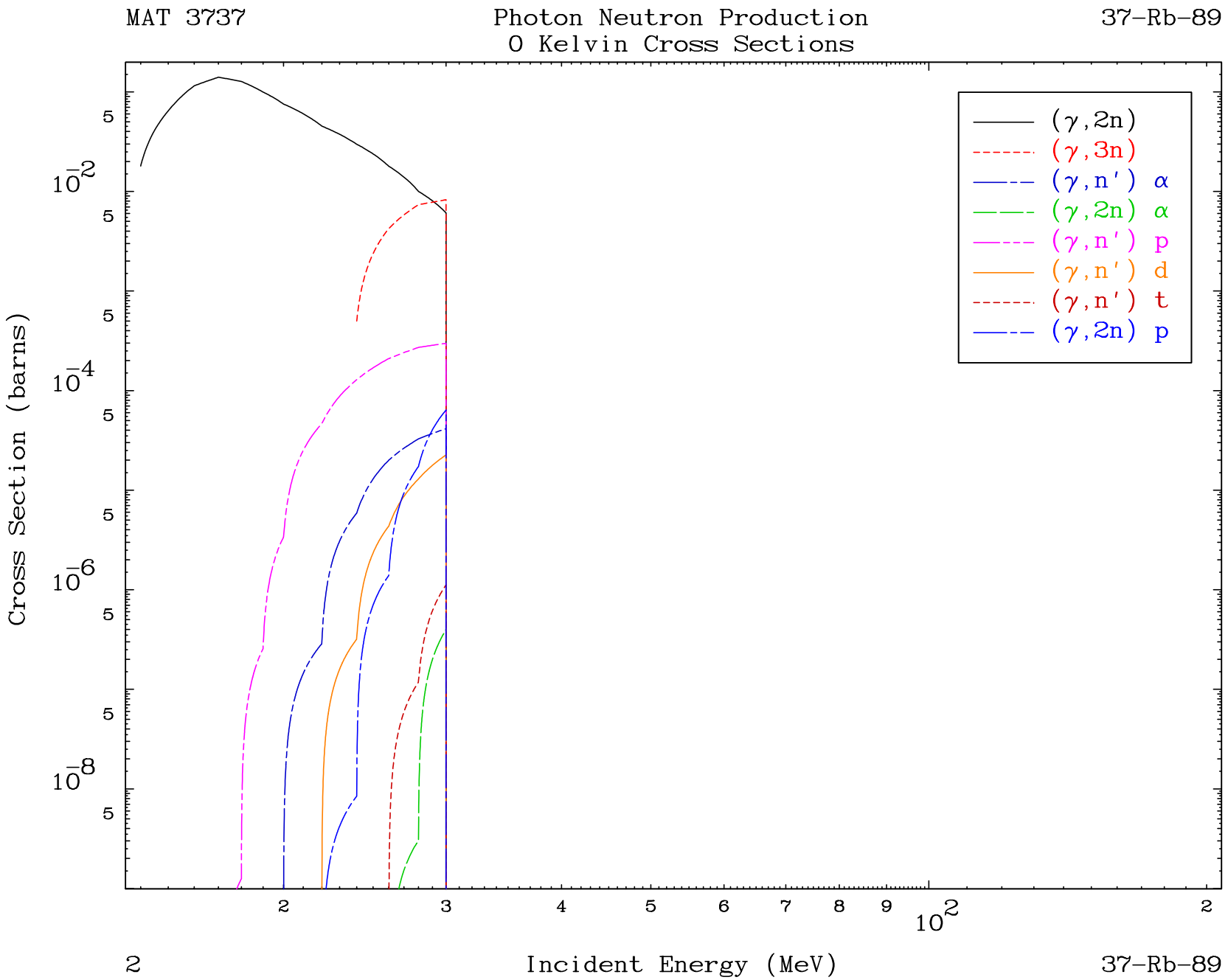
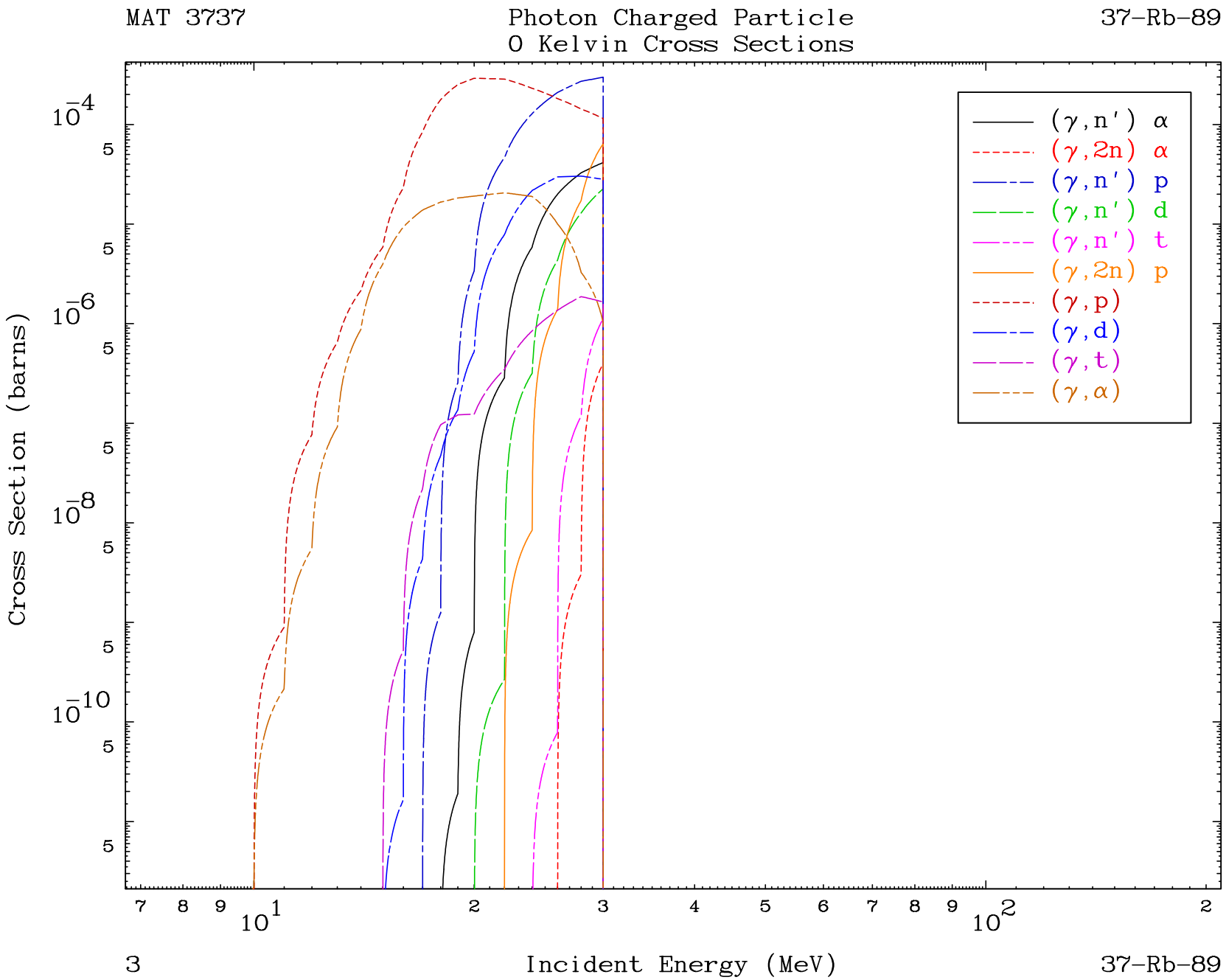
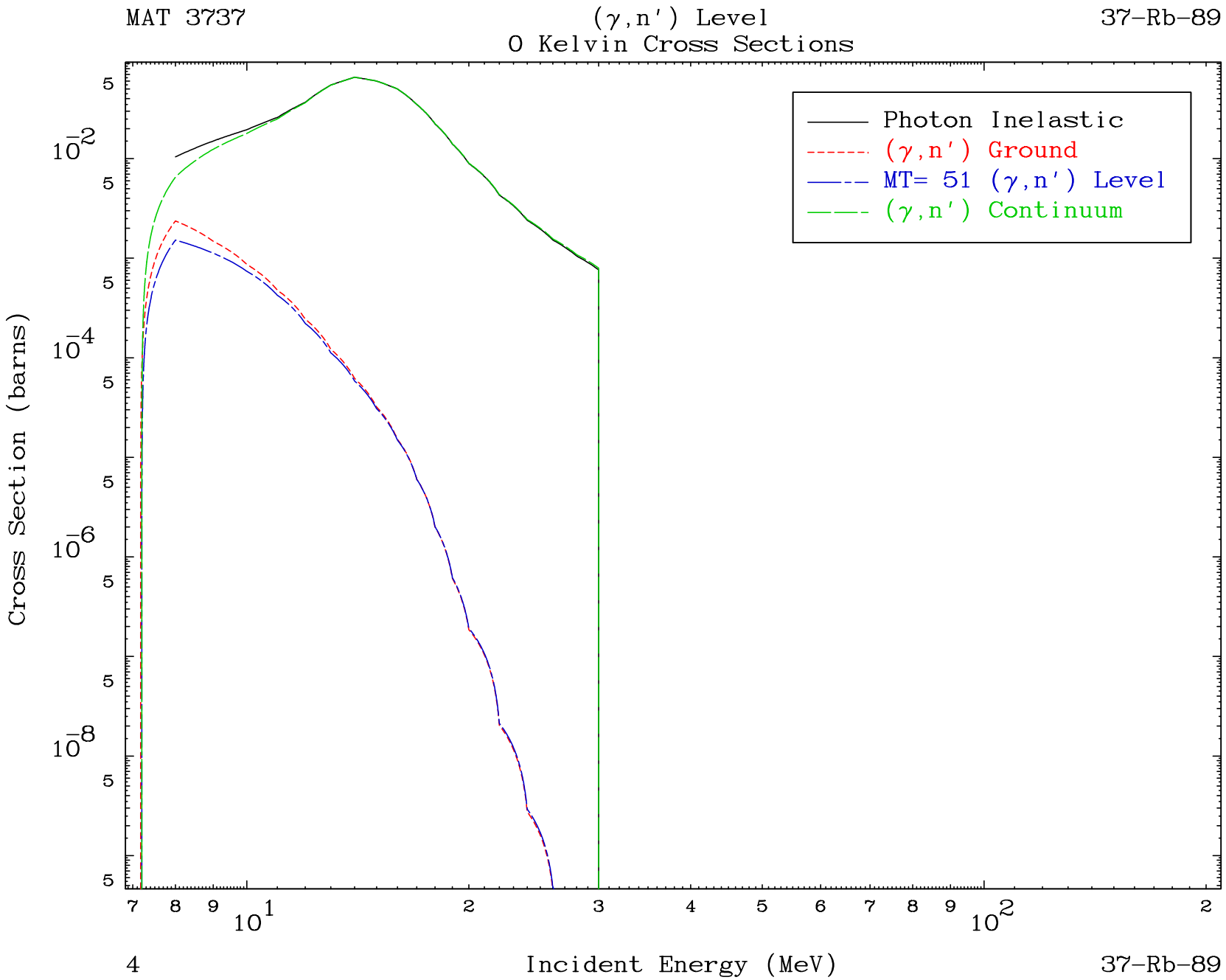
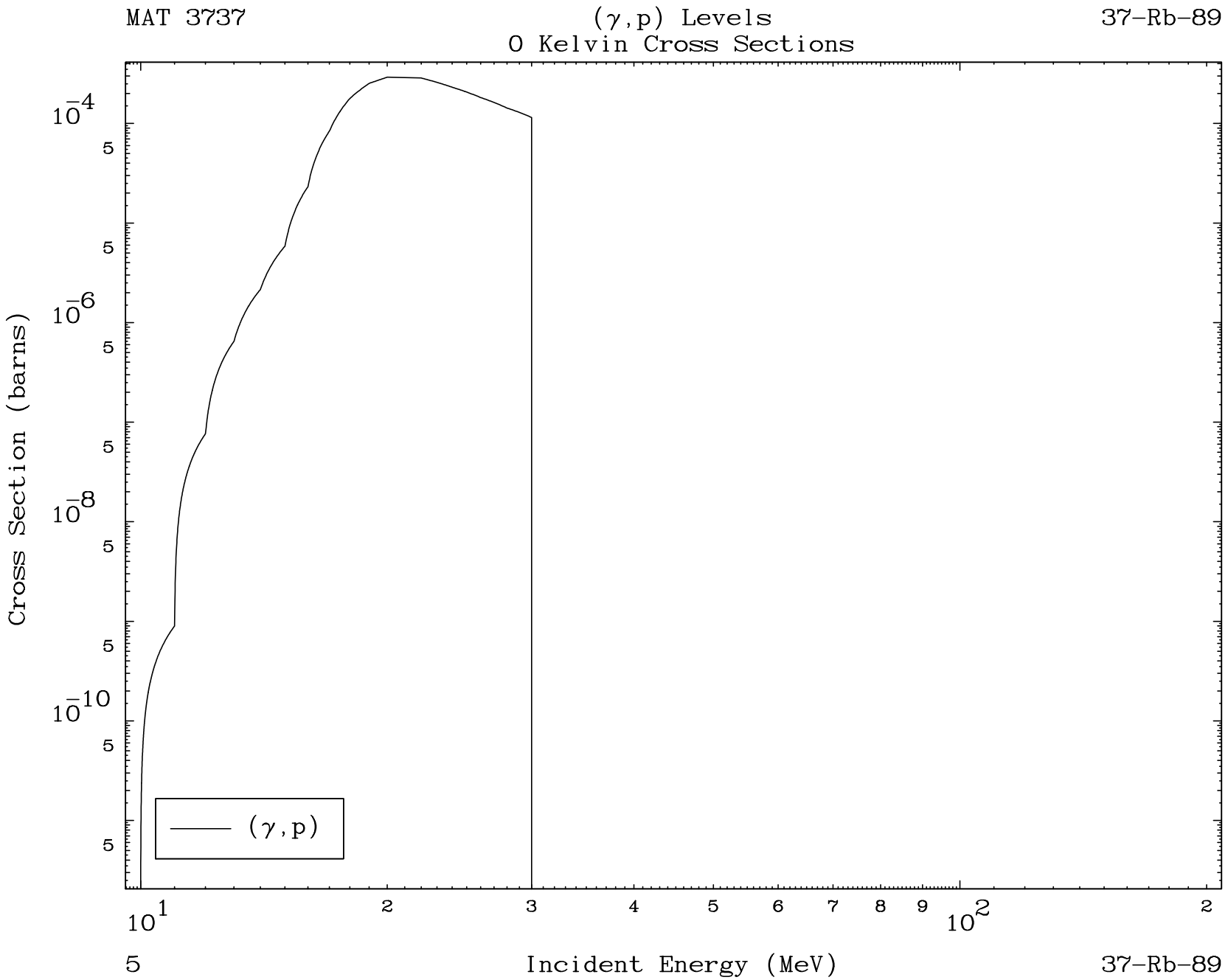
Press Mouse Button to Start

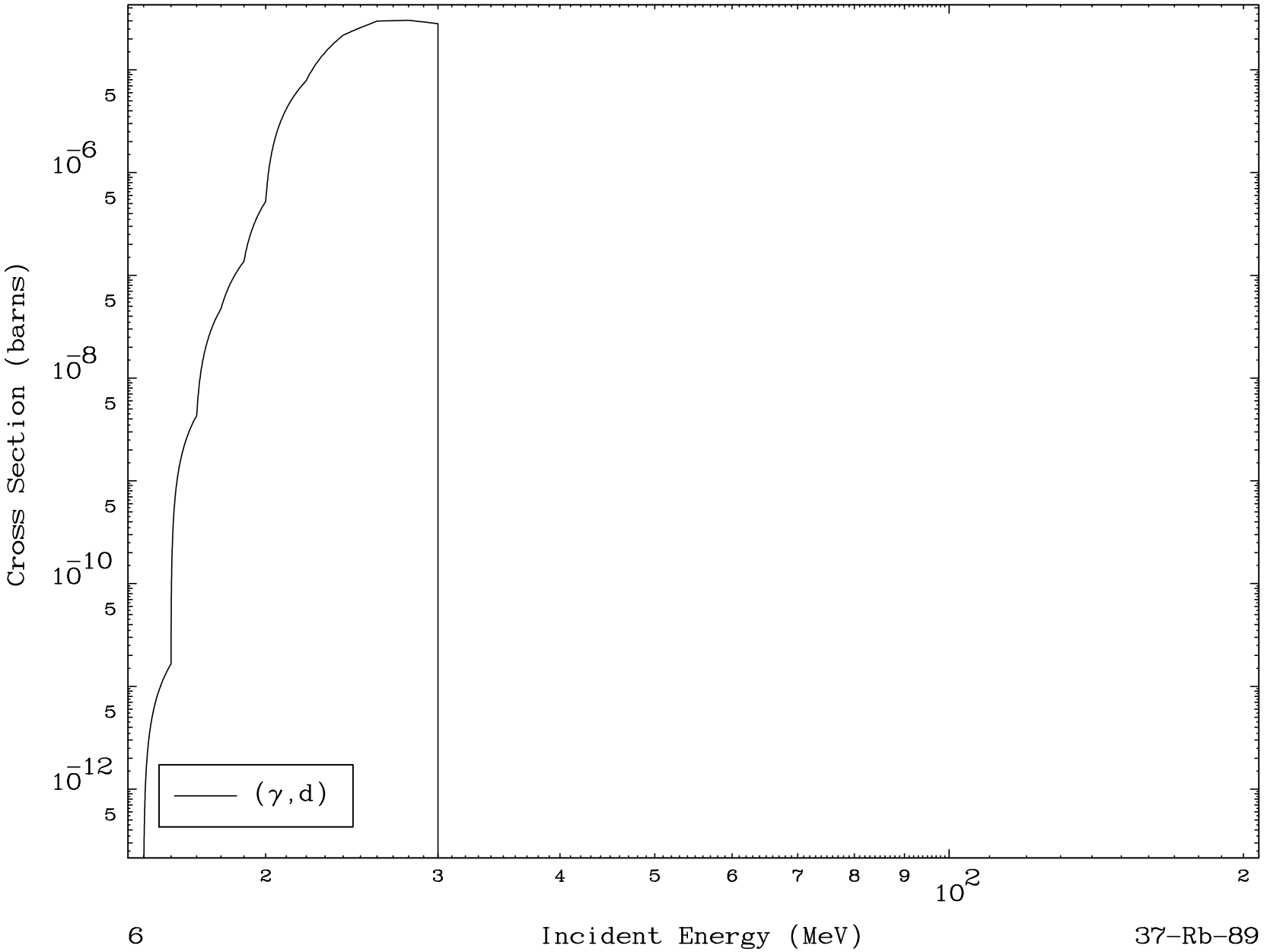

MAT 3737
Photon Major
37-Rb-89
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-89

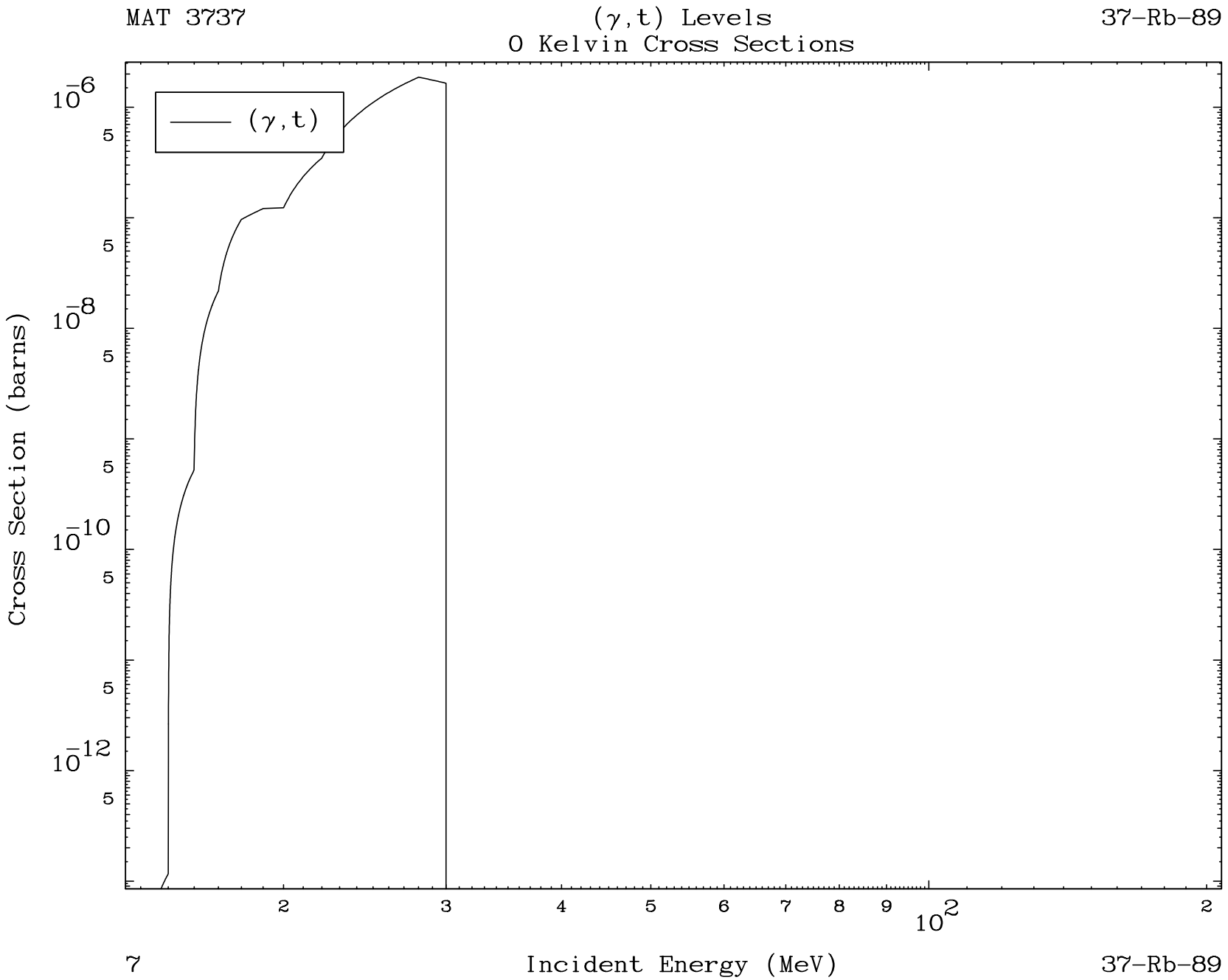

MAT 3737
Photon Neutron Production
0 Kelvin Cross Sections
37-Rb-89
Cross Section (barns)
Incident Energy (MeV)
37-Rb-89
2
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

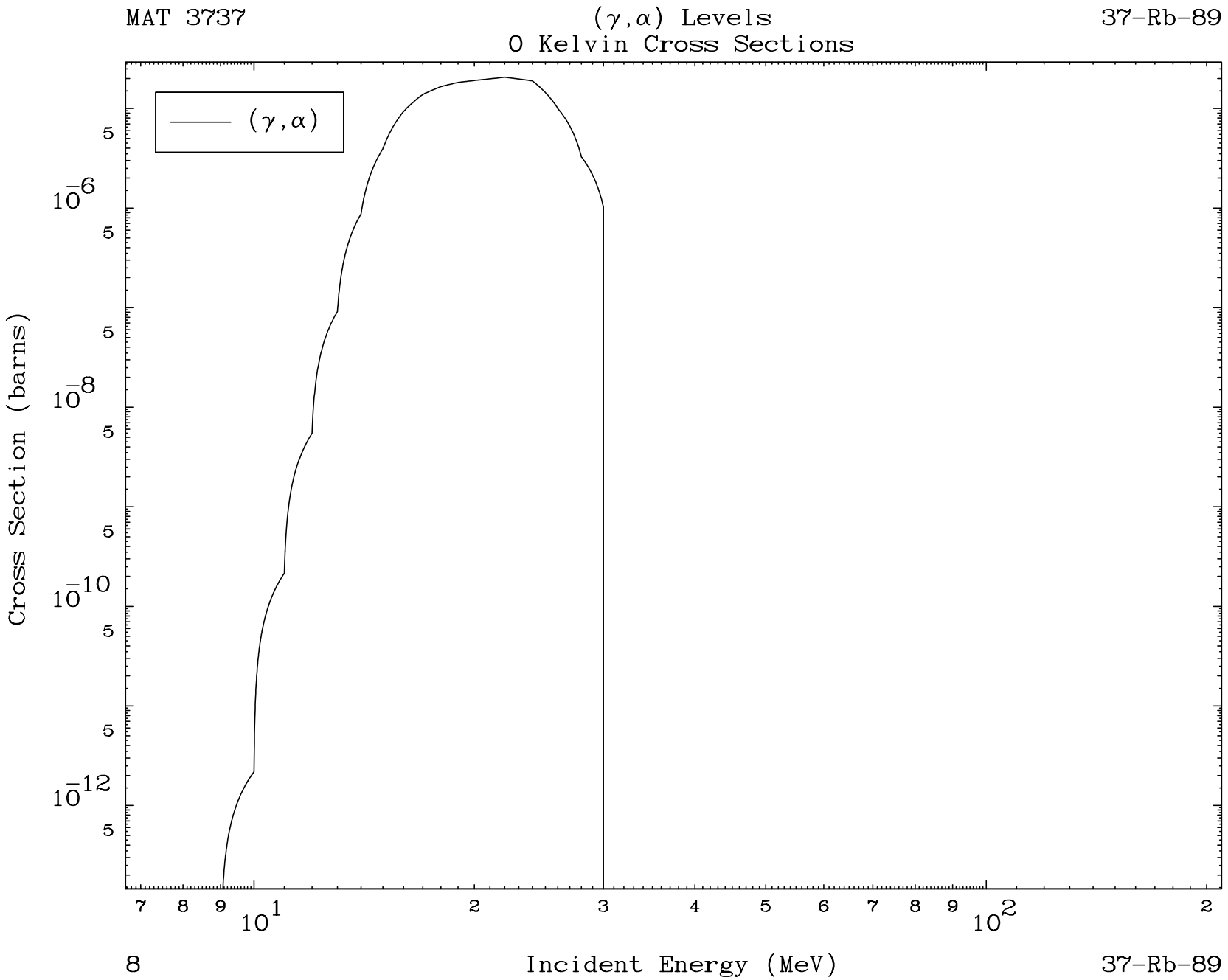

MAT 3737
Photon Charged Particle
0 Kelvin Cross Sections
37-Rb-89
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
3
37-Rb-89

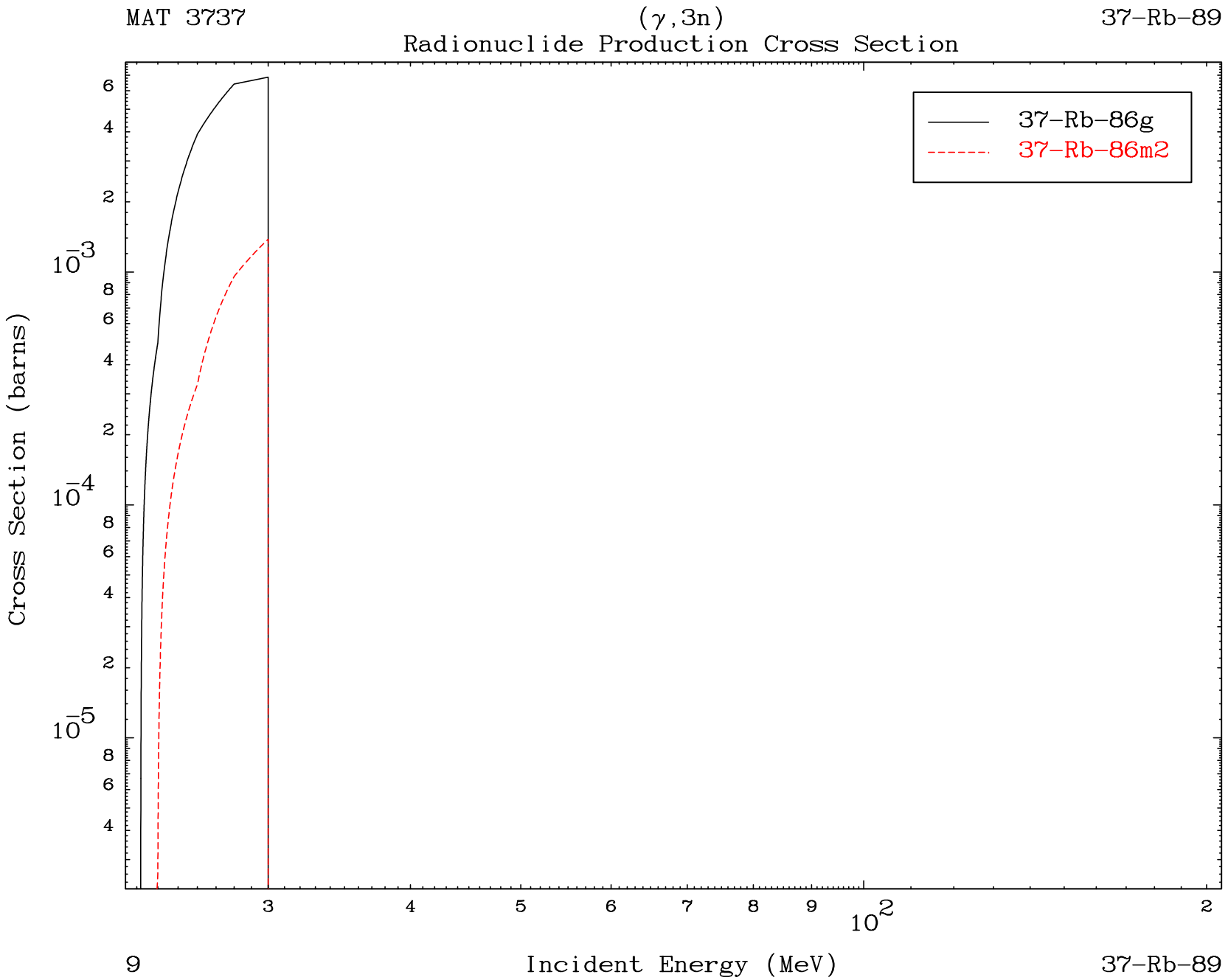

MAT 3737
(γ,n') Level
37-Rb-89
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
37-Rb-89

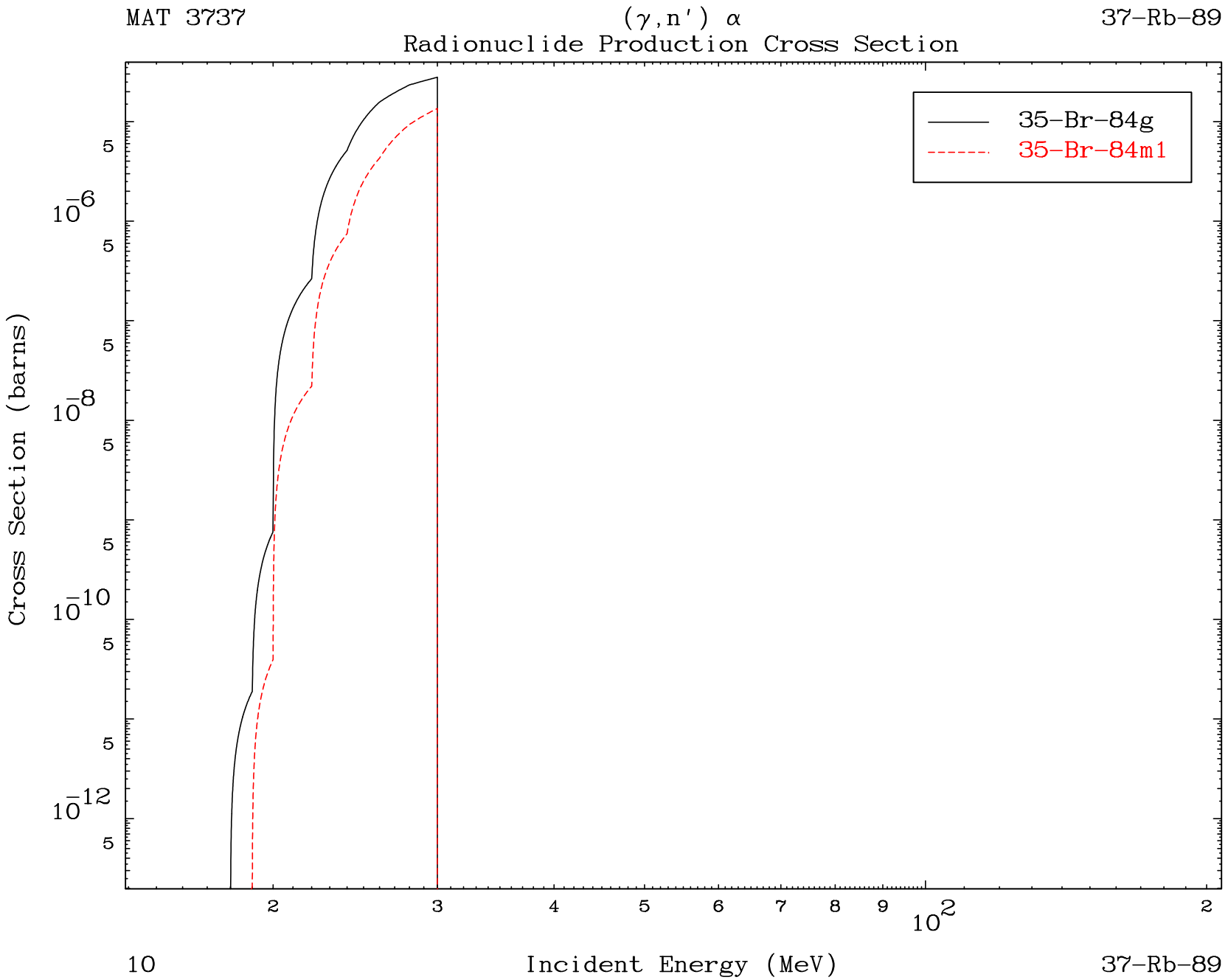

MAT 3737
(γ,p) Levels
37-Rb-89
0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(γ,p)
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
37-Rb-89

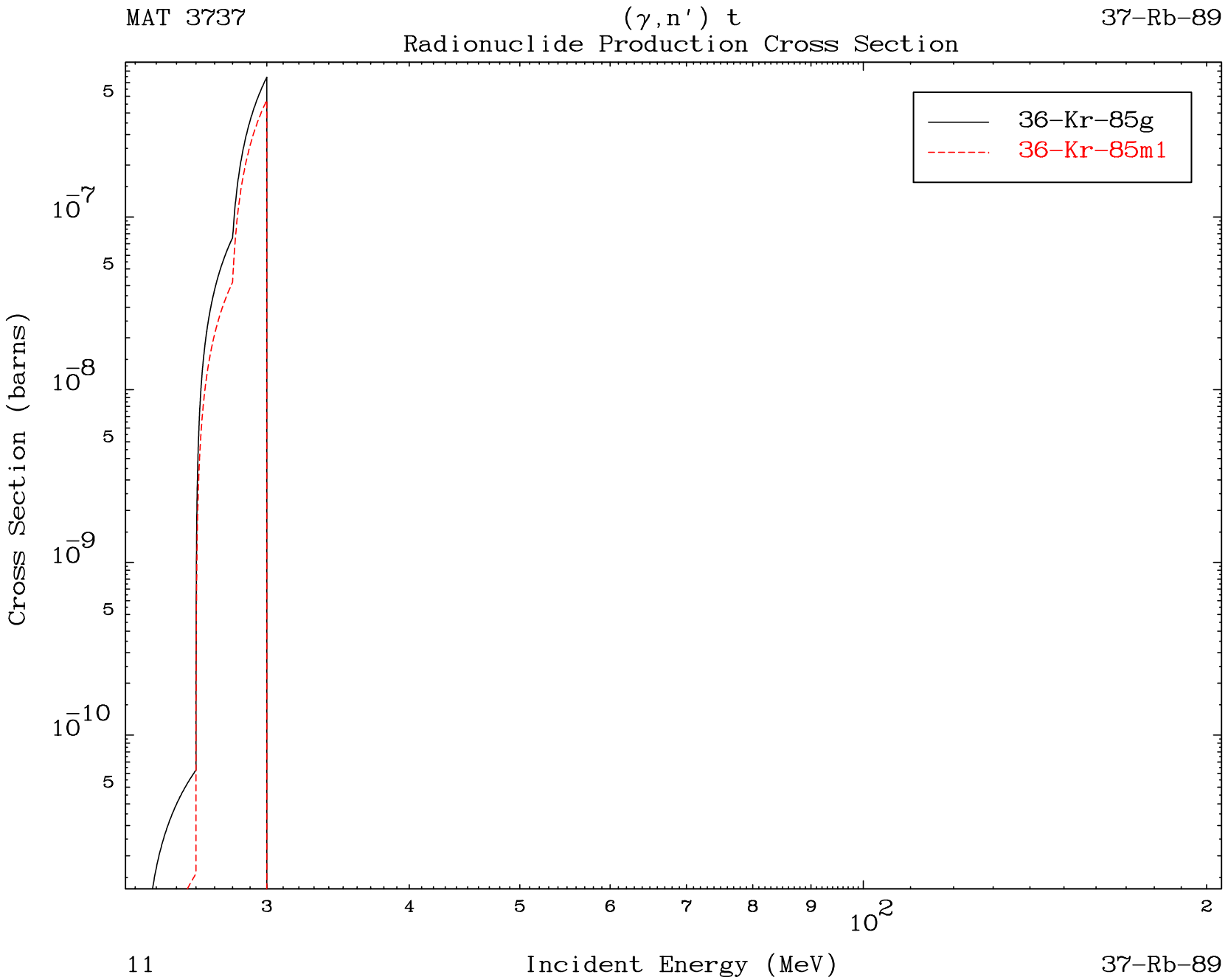

0 Kelvin Cross Sections
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
(γ,d)
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 3737
(γ,t) Levels
37-Rb-89
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-6
5
10-8
5
10-10
5
10-12
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
37-Rb-89


MAT 3737
(γ,α) Levels
37-Rb-89
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10⁻6
10⁻8
10⁻10
10⁻12
7 8 9 10¹ 2 3 4 5 6 7 8 9 10² 2
Incident Energy (MeV)
8
37-Rb-89


MAT 3737
(γ,3n)
37-Rb-89
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
Cross Section (barns)
10^-3
10^-4
10^-5
6
4
2
8
6
4
2
8
6
4
2
8
6
4
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
37-Rb-89


MAT 3737
(γ,n') α
37-Rb-89
Radionuclide Production Cross Section
35-Br-84g
35-Br-84m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
37-Rb-89


MAT 3737
(γ,n') t
37-Rb-89
Radionuclide Production Cross Section
36-Kr-85g
36-Kr-85m1
Cross Section (barns)
10-7
10-8
10-9
10-10
5
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
37-Rb-89