Program EVALPLOT
(Version 2021-1)
by
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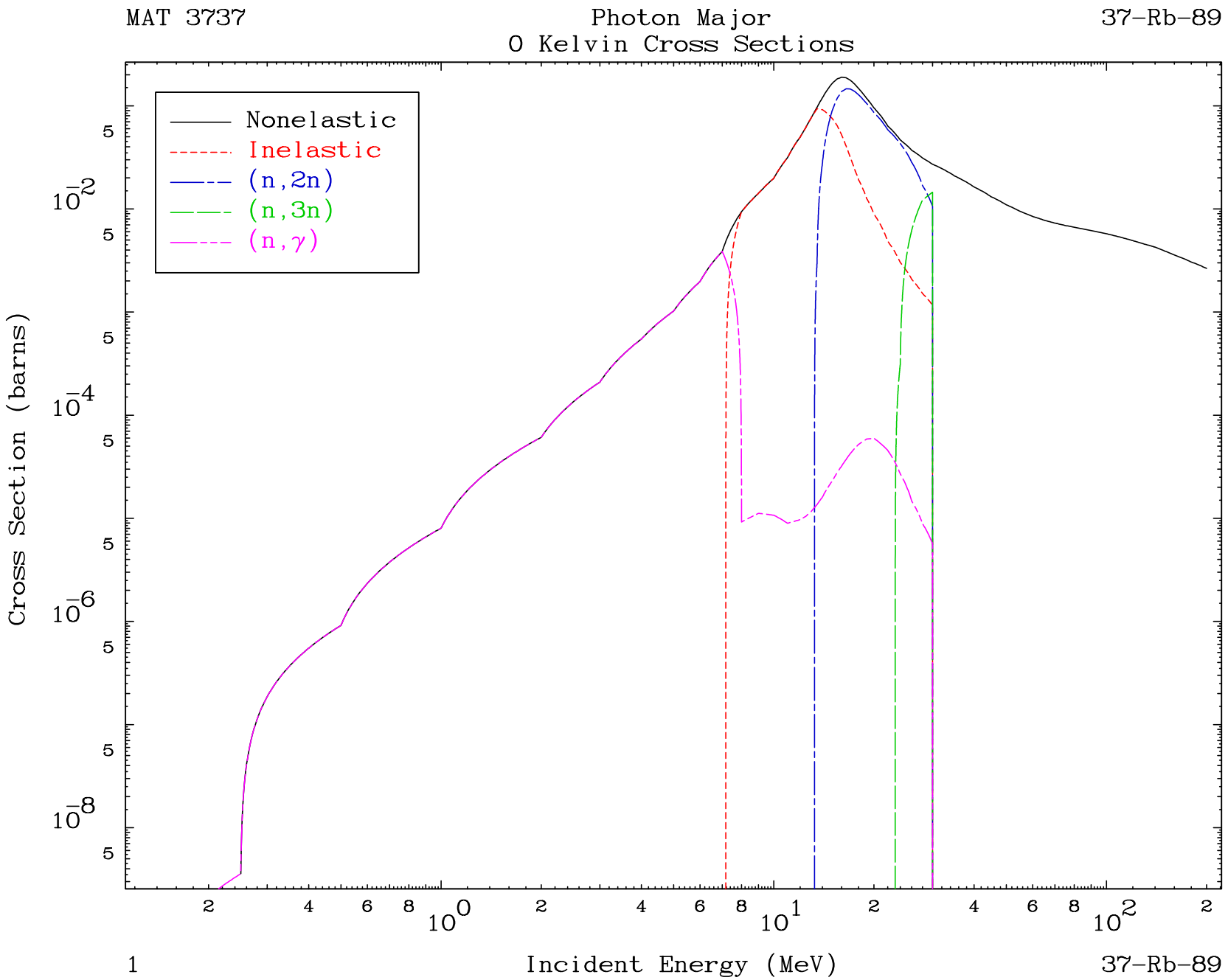
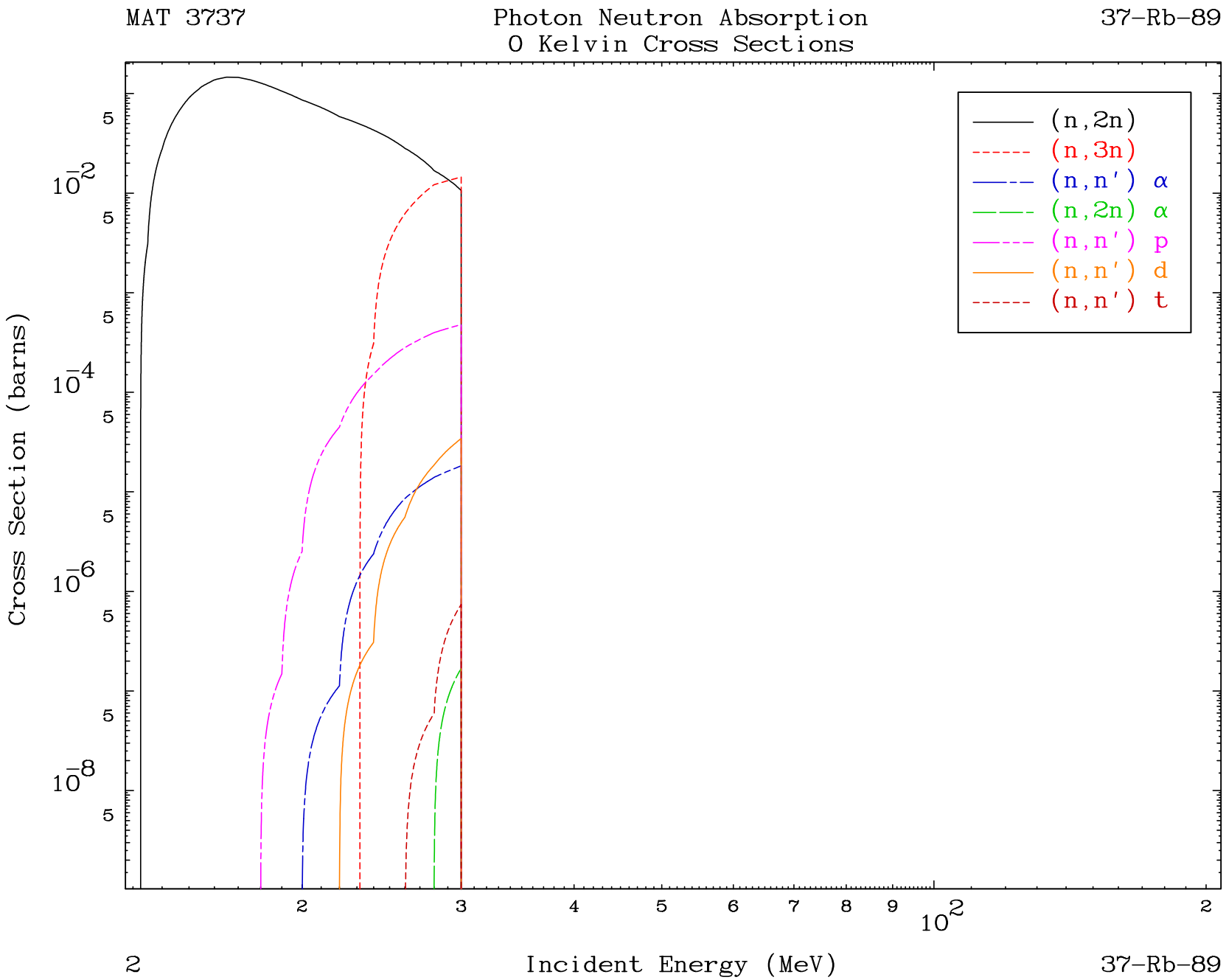
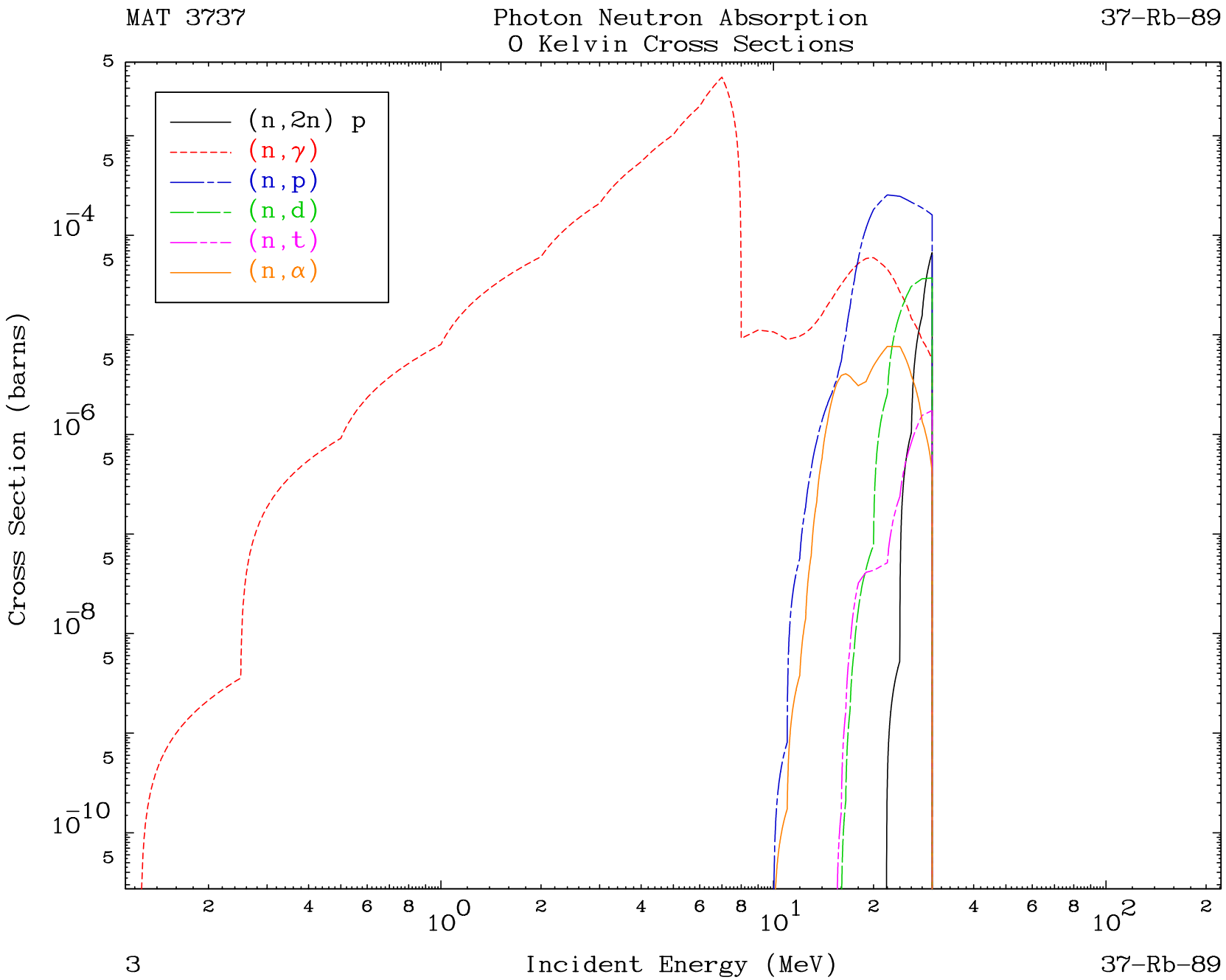
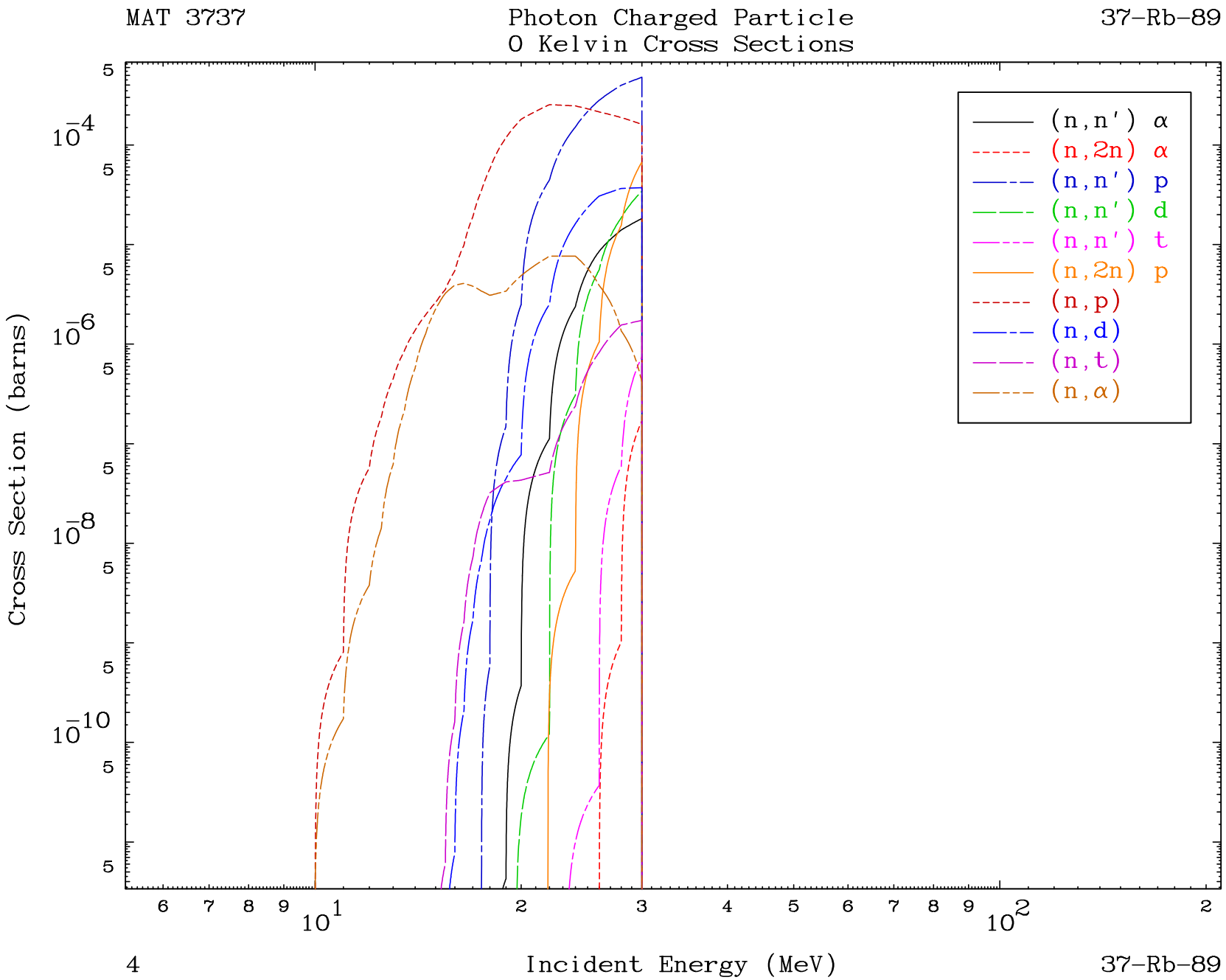
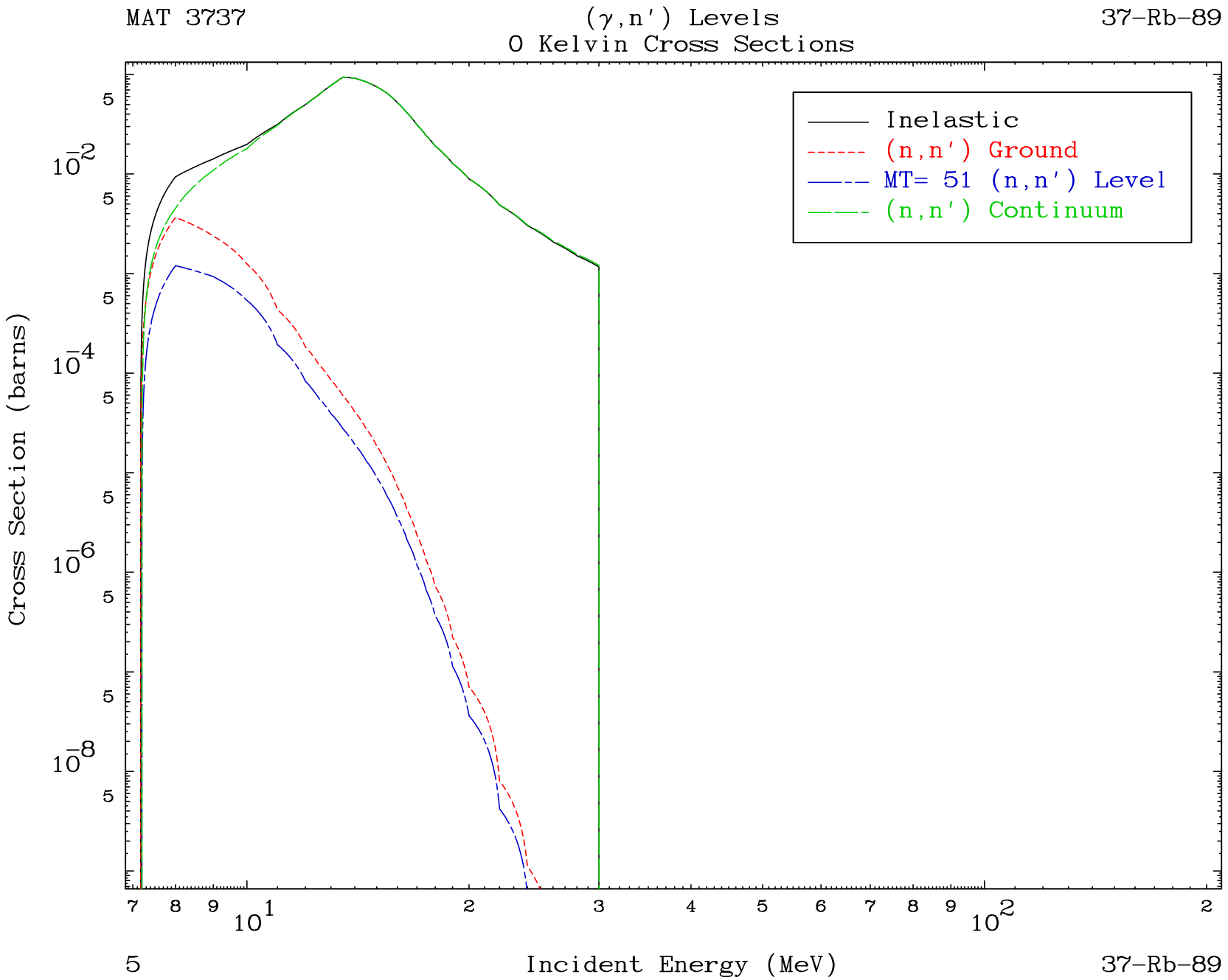
Press Mouse Button to Start

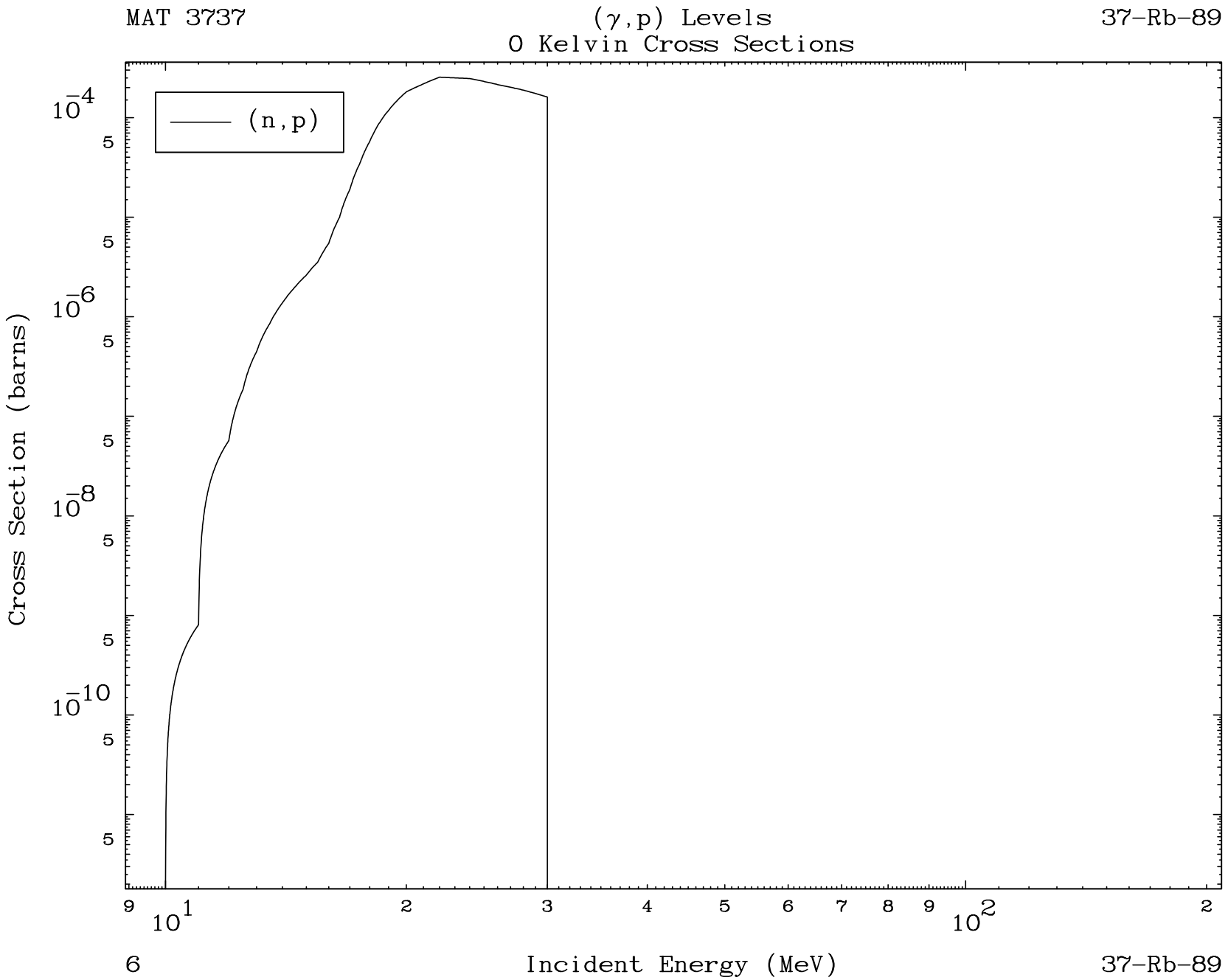

MAT 3737
Photon Major
37-Rb-89
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
37-Rb-89

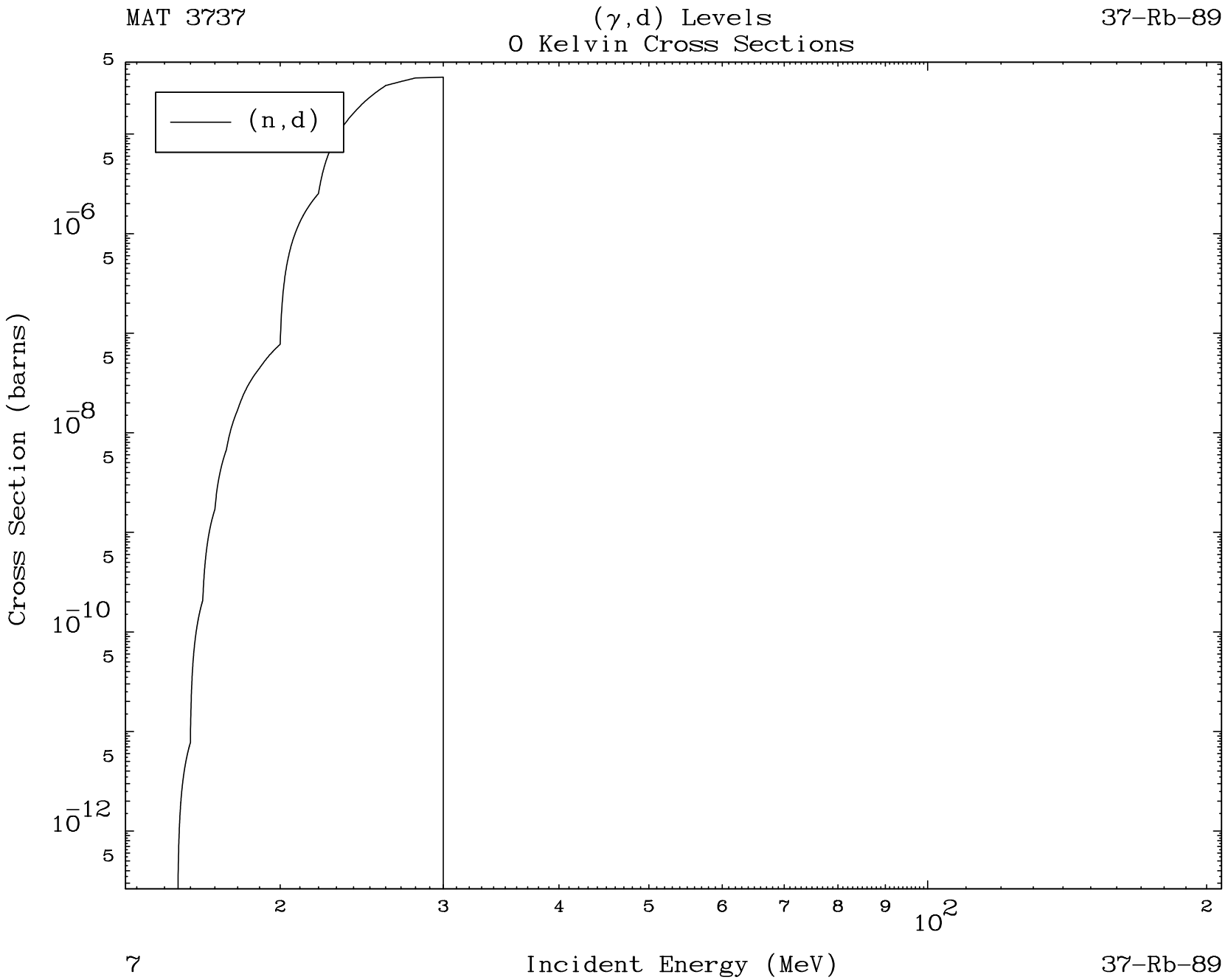

MAT 3737
Photon Neutron Absorption
0 Kelvin Cross Sections
37-Rb-89
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
37-Rb-89
2

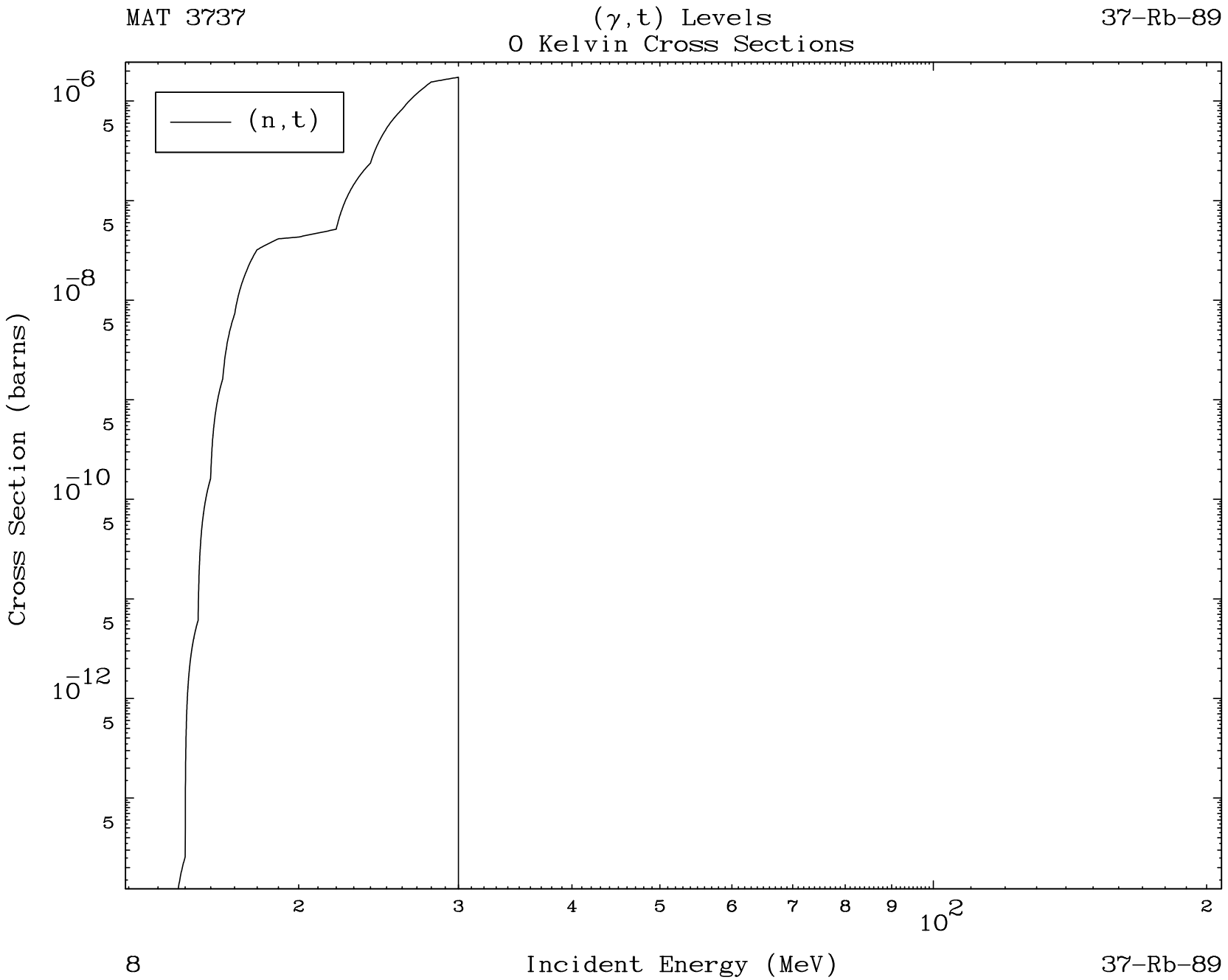

MAT 3737
Photon Neutron Absorption
0 Kelvin Cross Sections
37-Rb-89
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
37-Rb-89

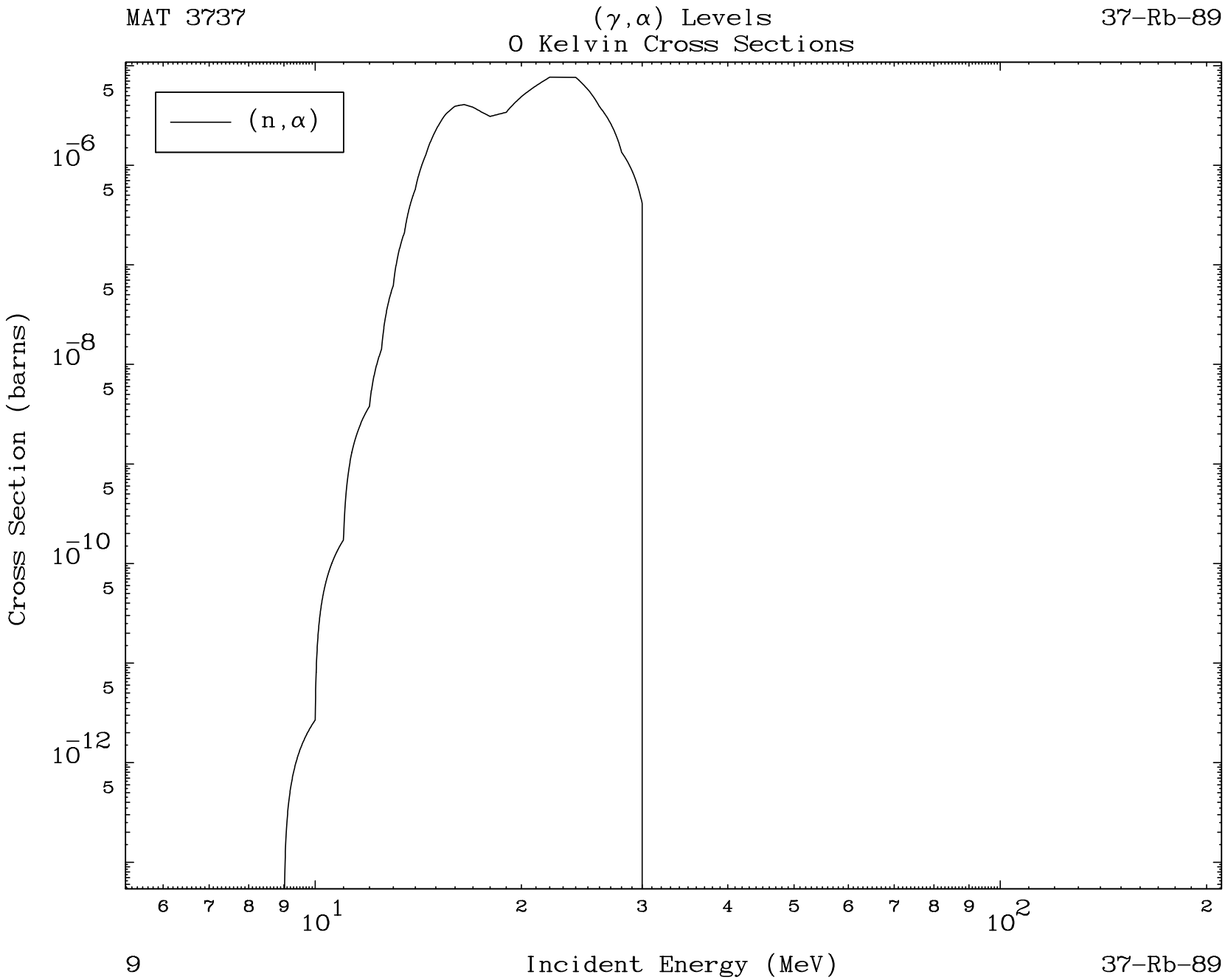

MAT 3737
Photon Charged Particle
0 Kelvin Cross Sections
37-Rb-89
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
4
37-Rb-89

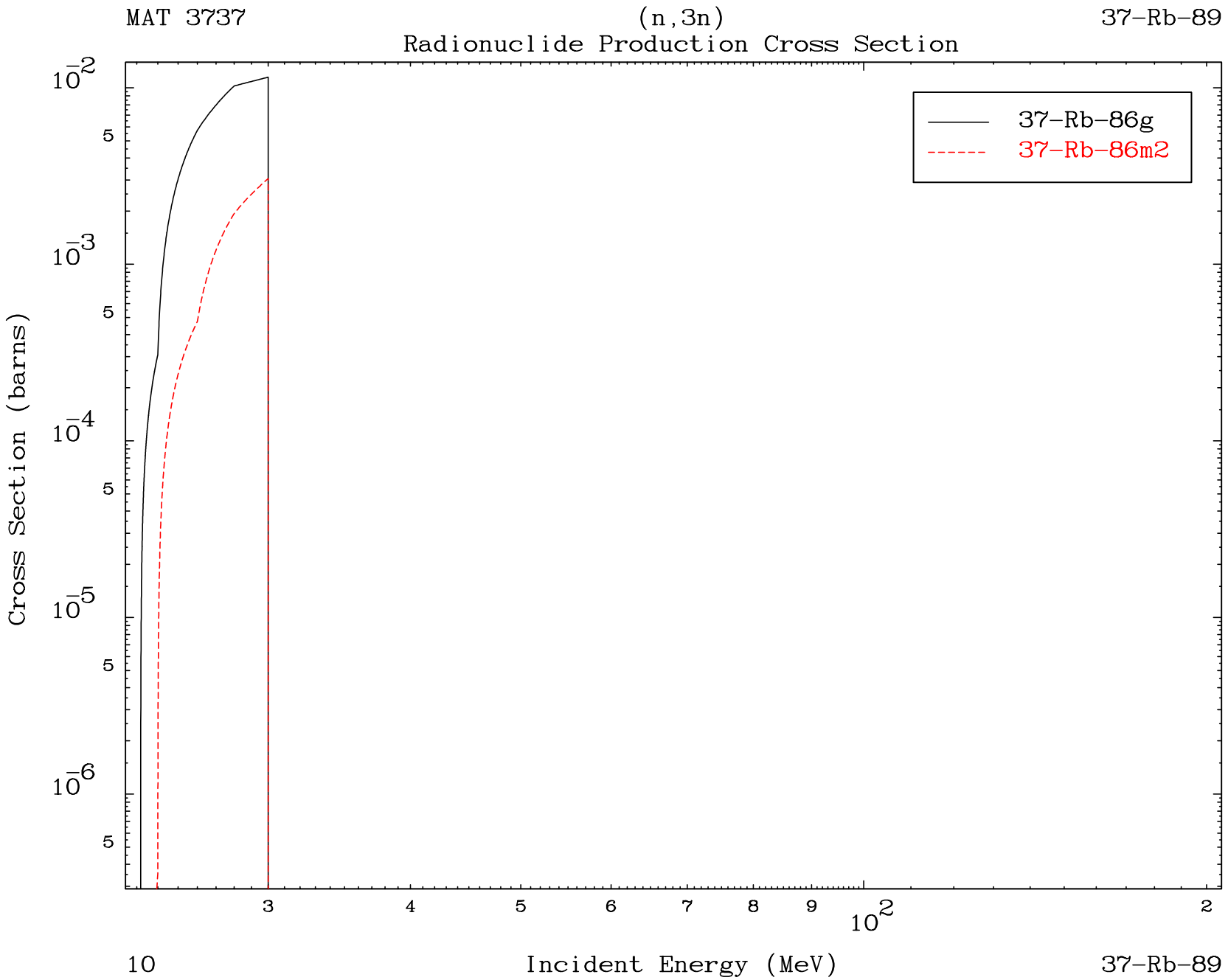

MAT 3737
(γ,n') Levels
37-Rb-89
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
37-Rb-89
5

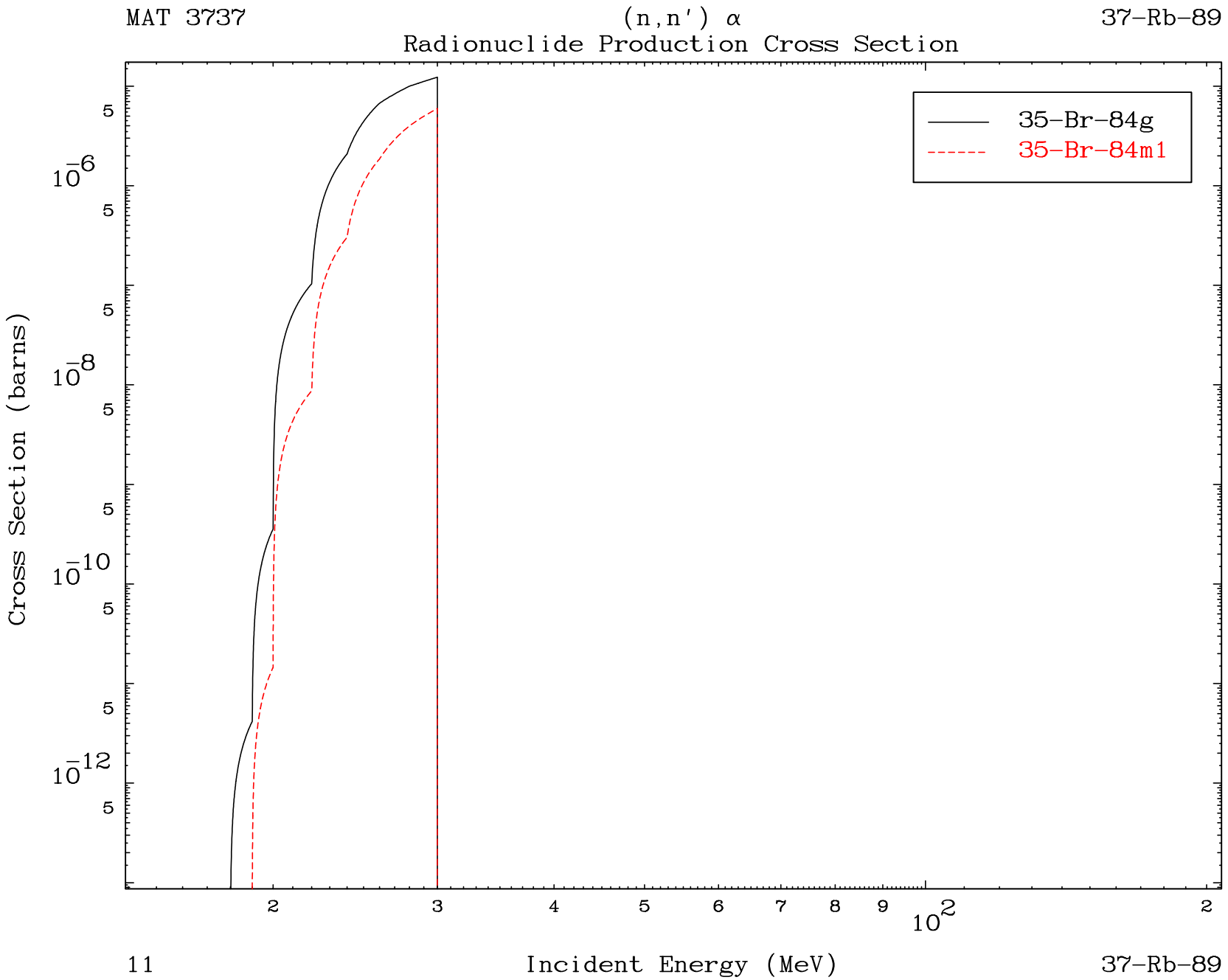

MAT 3737
(γ,p) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
37-Rb-89

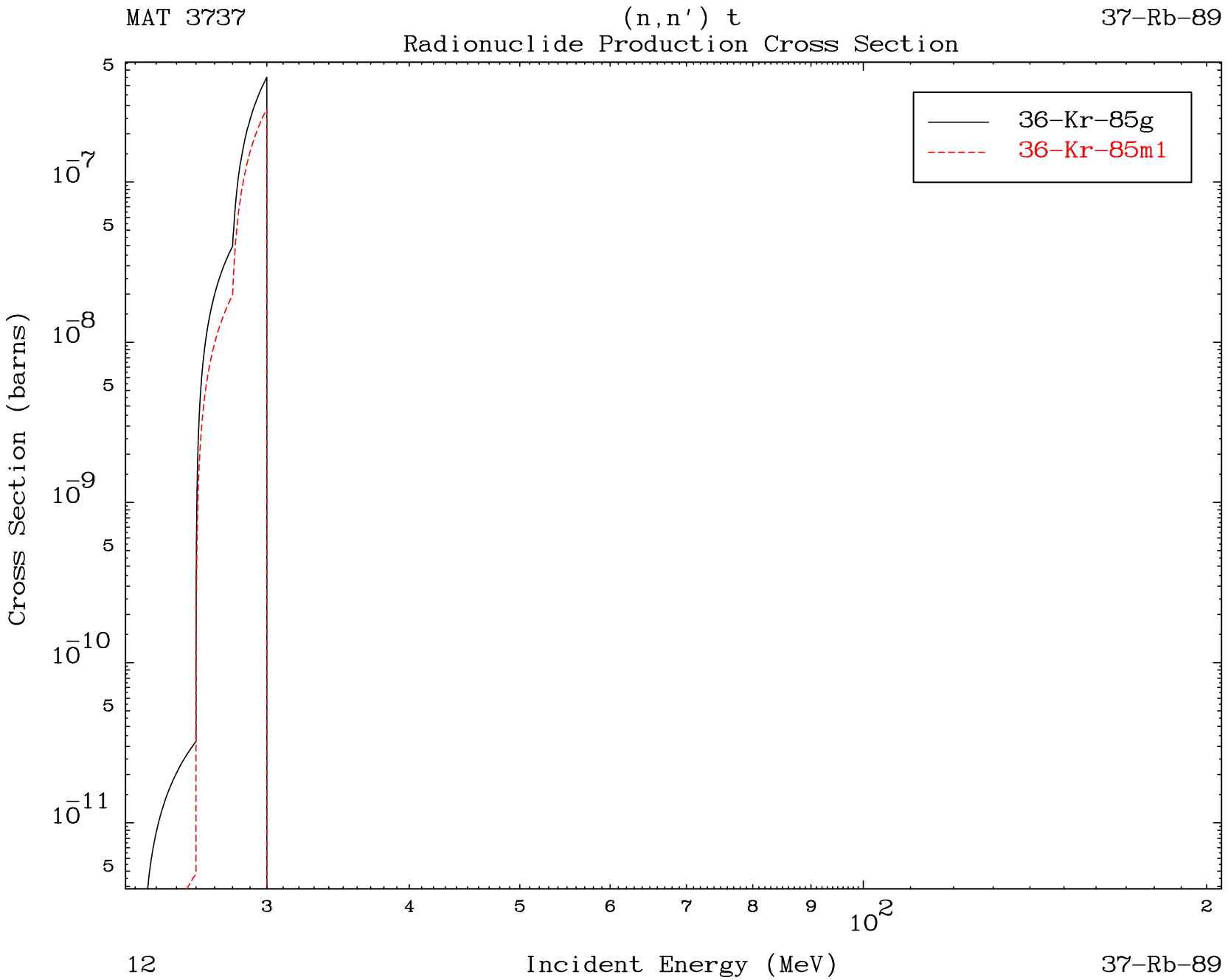

MAT 3737
(γ,d) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
5
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
37-Rb-89


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


MAT 3737
(γ,α) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
37-Rb-89


MAT 3737
(n,3n)
37-Rb-89
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
Cross Section (barns)
Incident Energy (MeV)
10
37-Rb-89


MAT 3737
(n,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
6
7
8
9
10^2
Incident Energy (MeV)
11
37-Rb-89


MAT 3737
(n,n') t
37-Rb-89
Radionuclide Production Cross Section
36-Kr-85g
36-Kr-85m1
Cross Section (barns)
Incident Energy (MeV)
12
37-Rb-89