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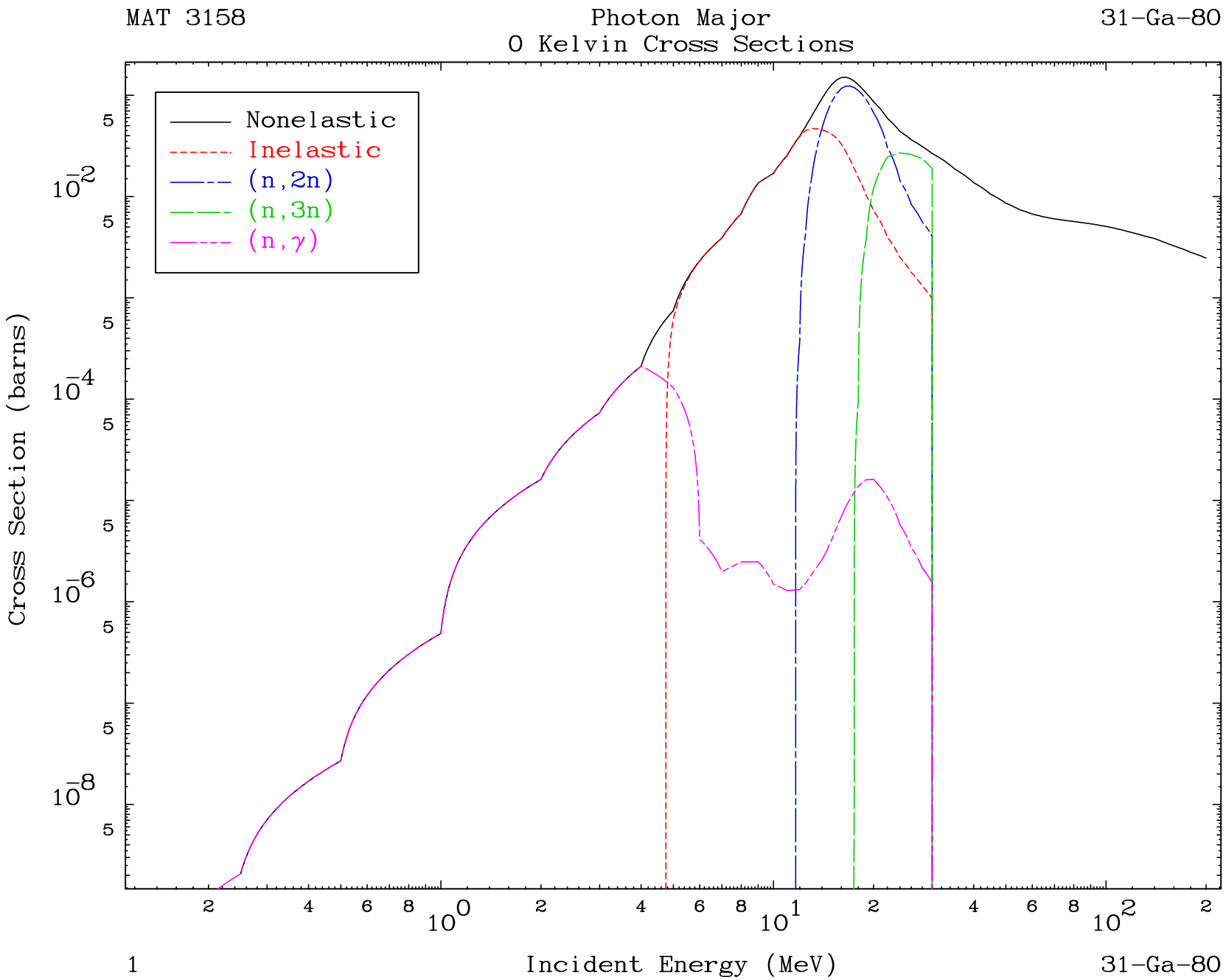
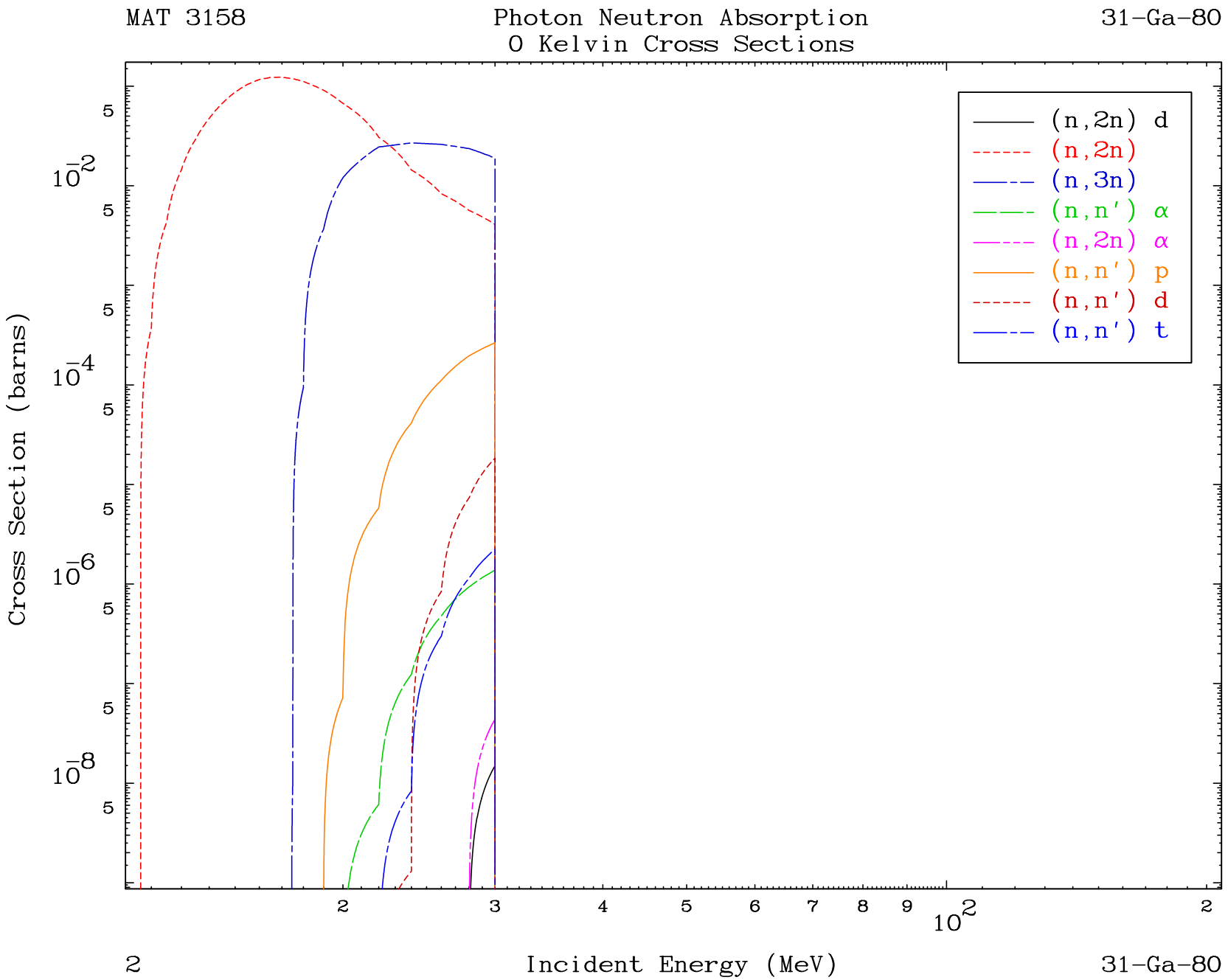
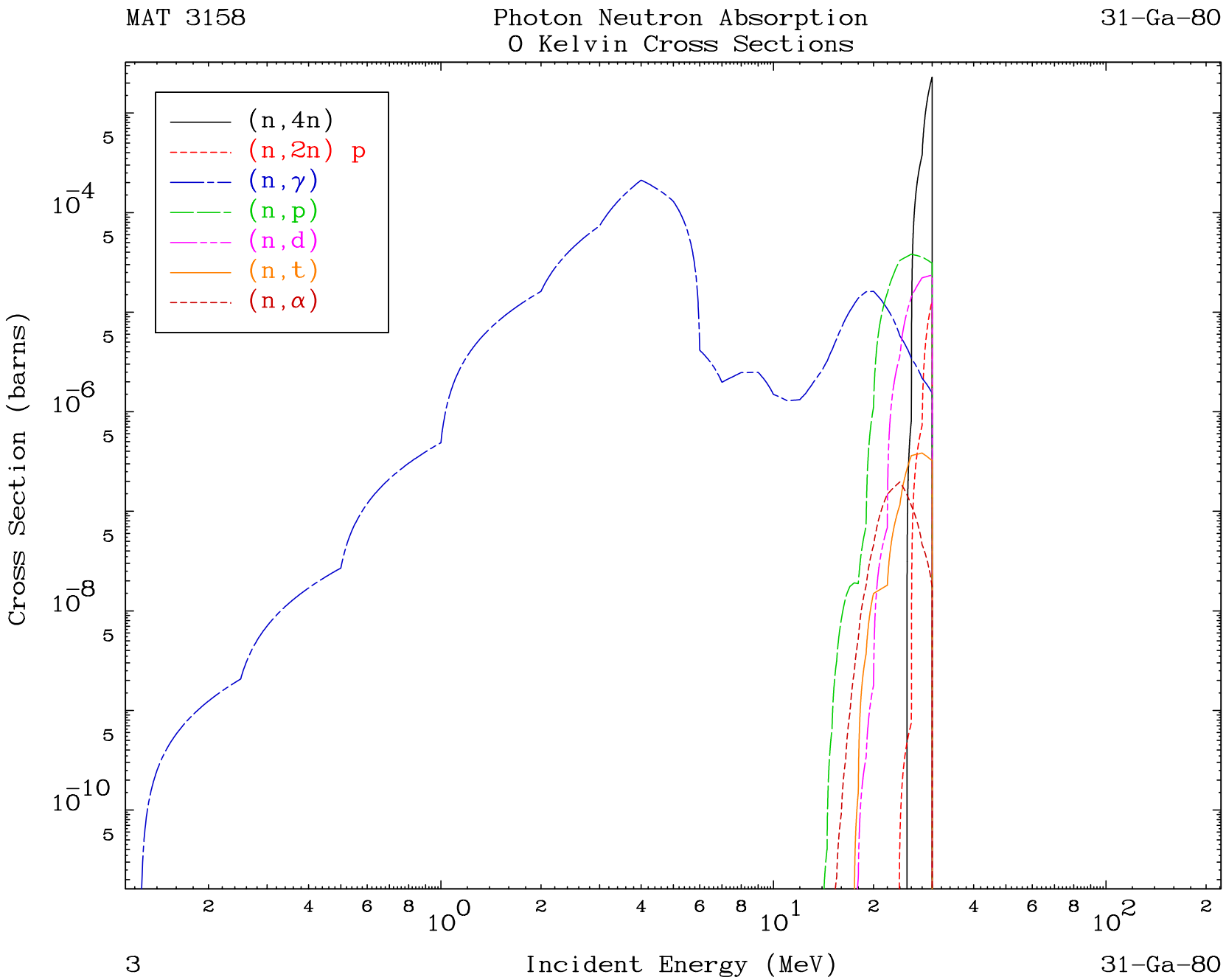
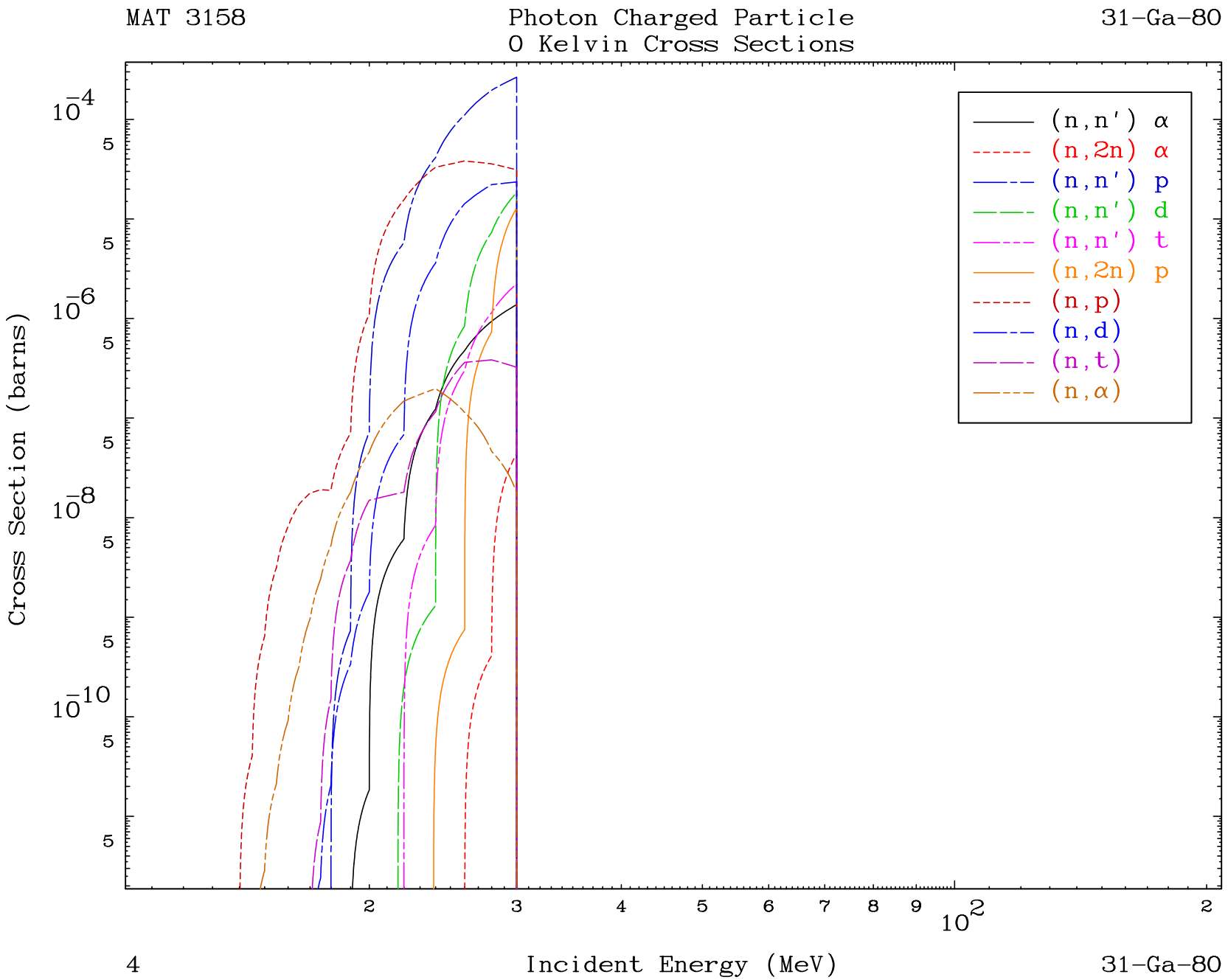
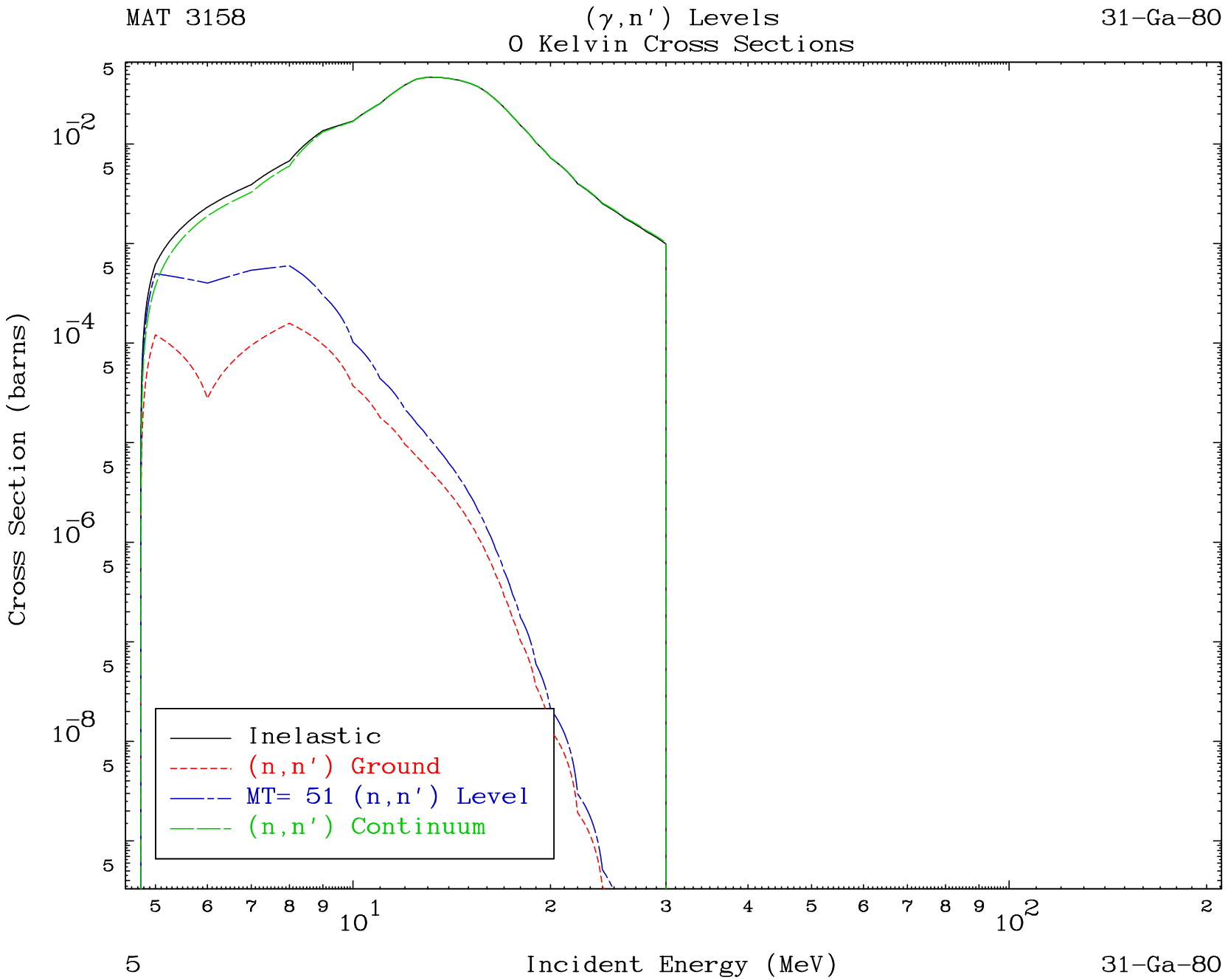
Press Mouse Button to Start

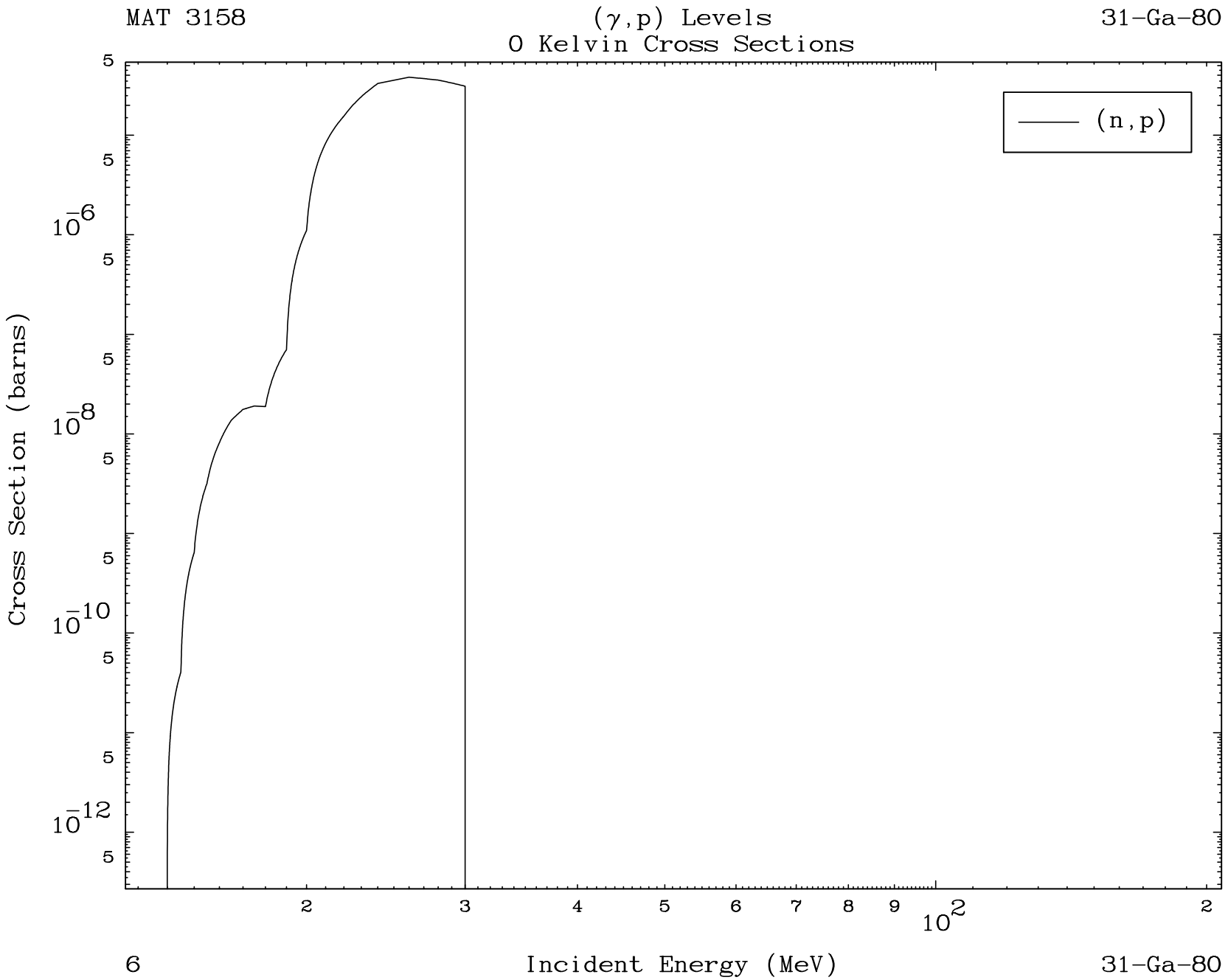

MAT 3158
Photon Major
31-Ga-80
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
1
31-Ga-80

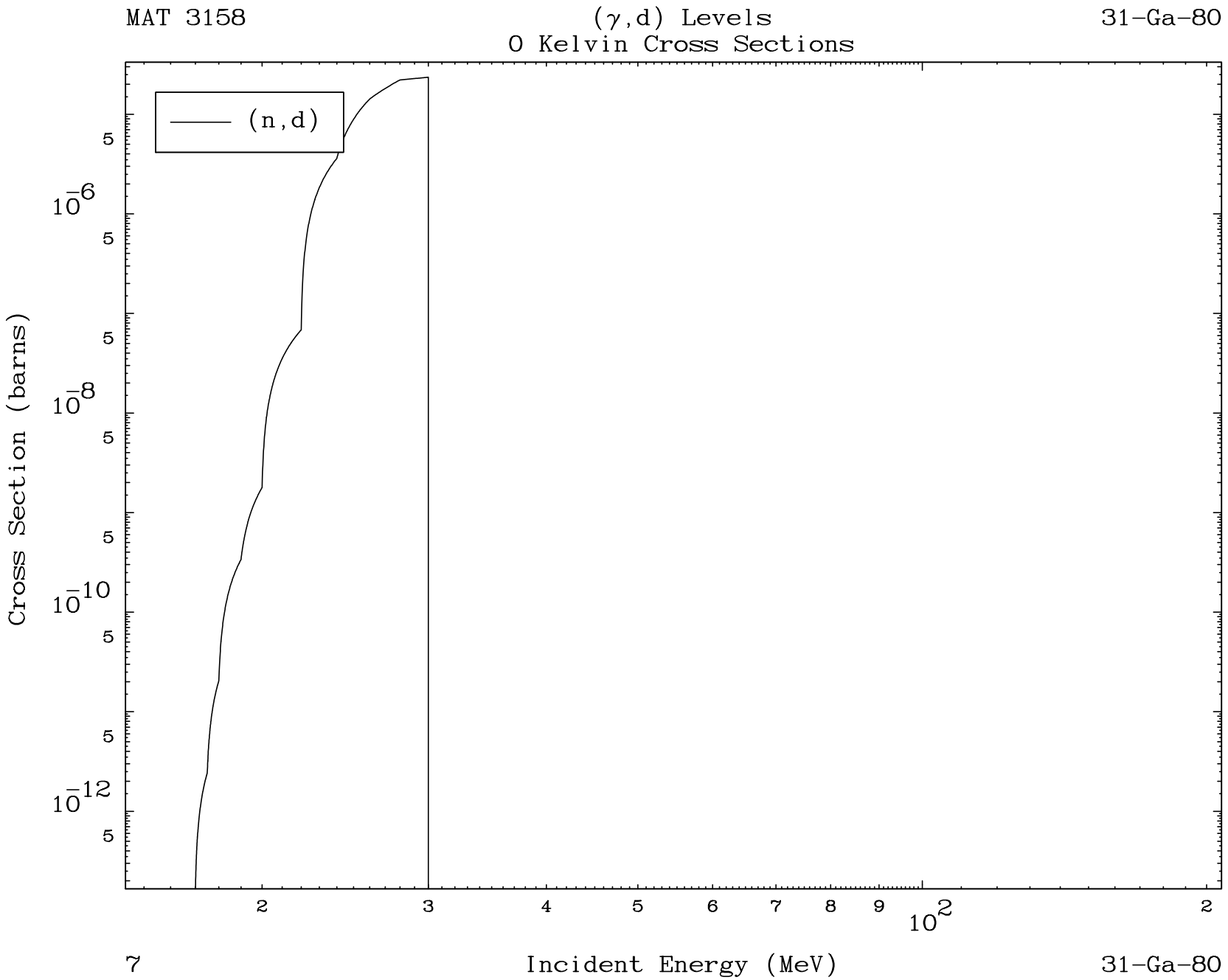

MAT 3158
Photon Neutron Absorption
0 Kelvin Cross Sections
31-Ga-80
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
31-Ga-80

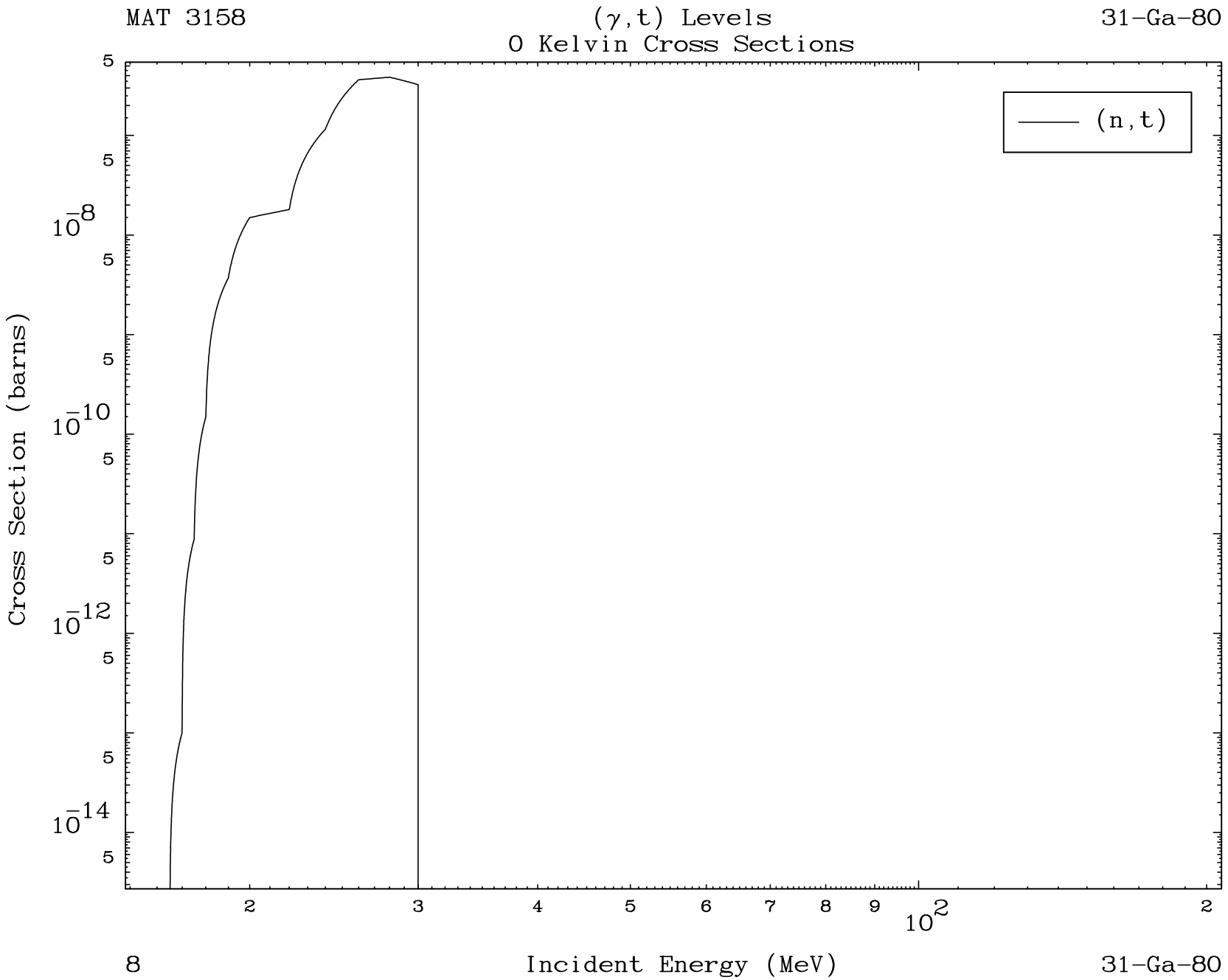

MAT 3158
Photon Neutron Absorption
0 Kelvin Cross Sections
31-Ga-80
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
31-Ga-80

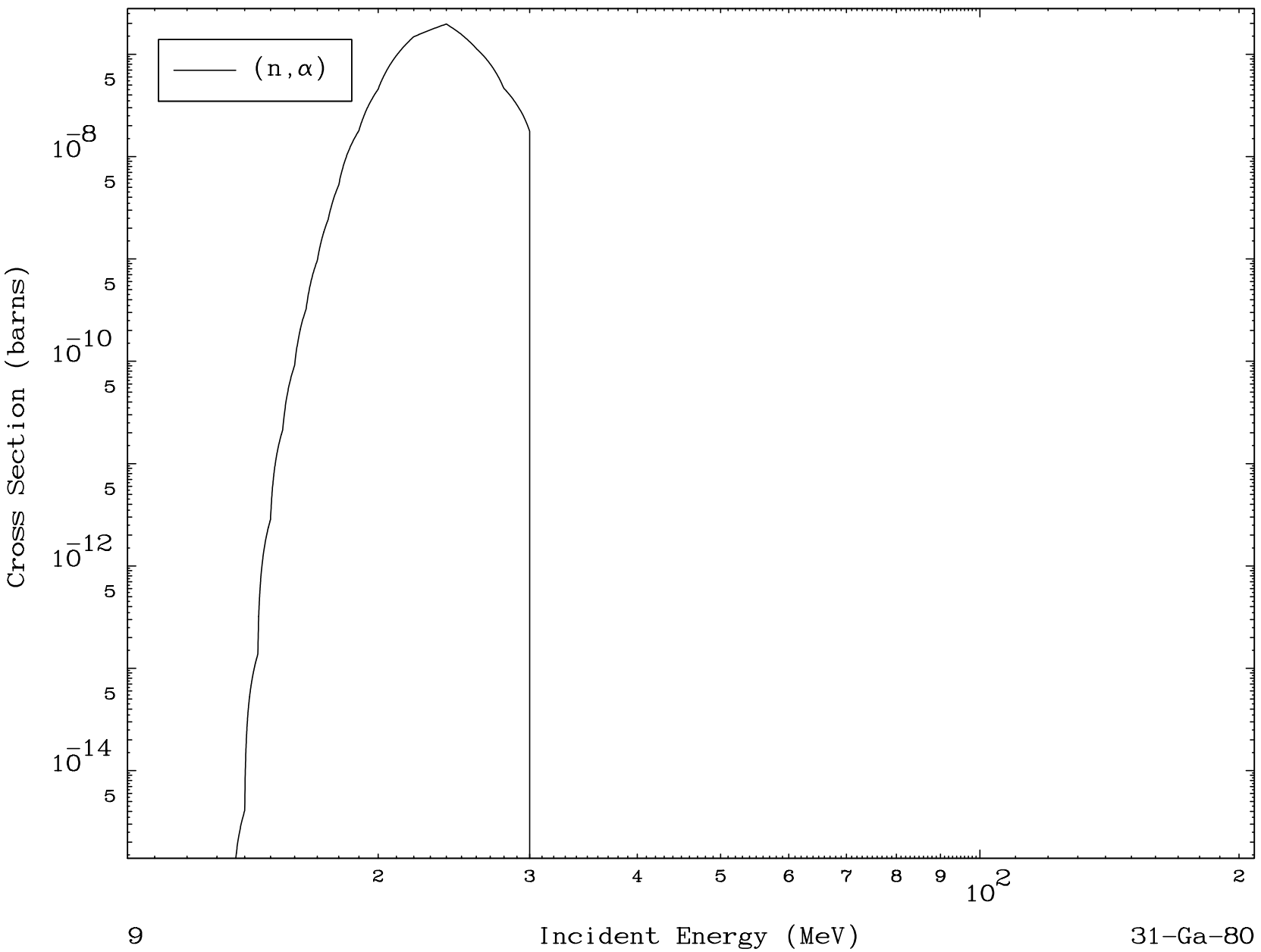

MAT 3158
Photon Charged Particle
0 Kelvin Cross Sections
31-Ga-80
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
4
31-Ga-80

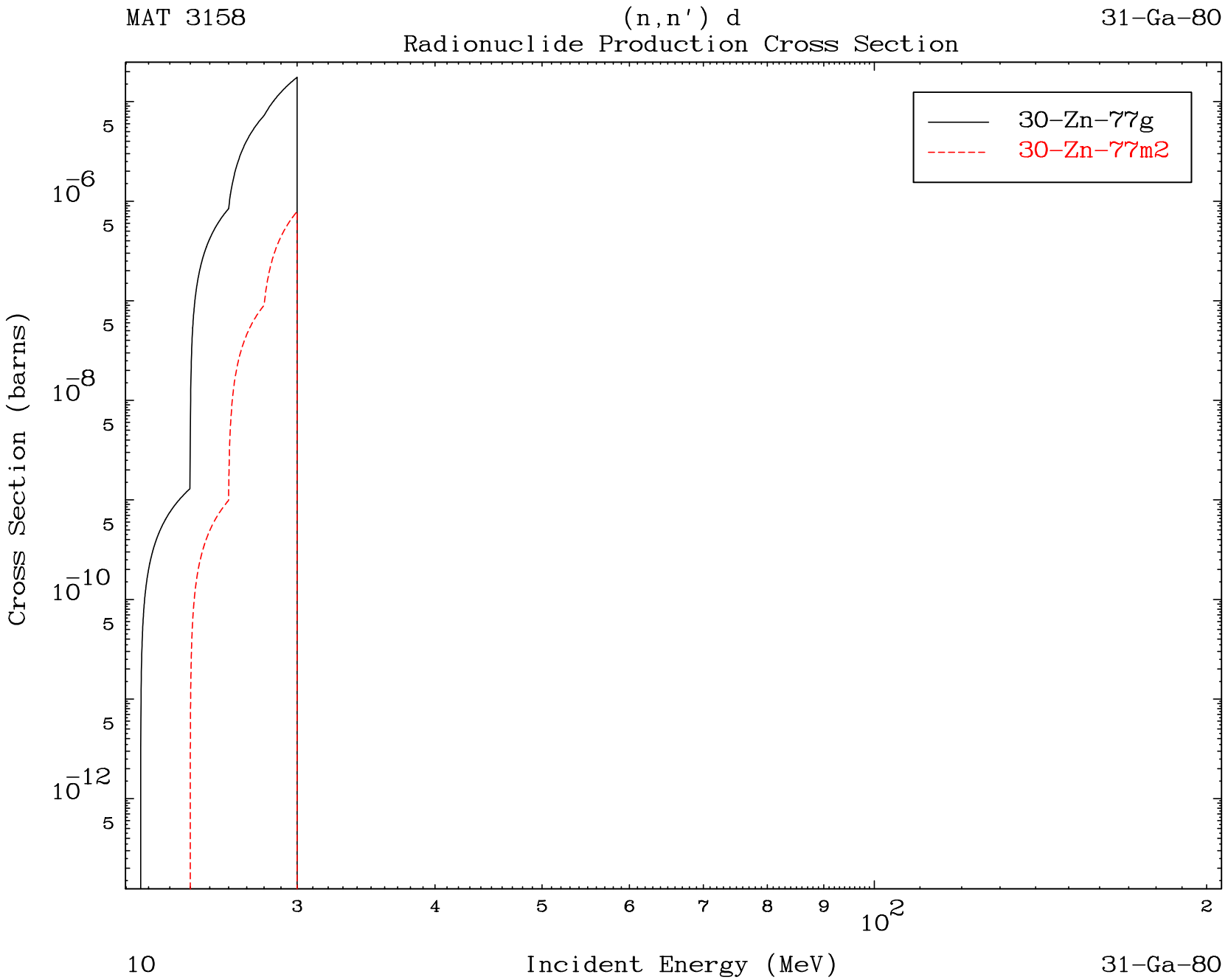

MAT 3158
(γ,n') Levels
31-Ga-80
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
31-Ga-80

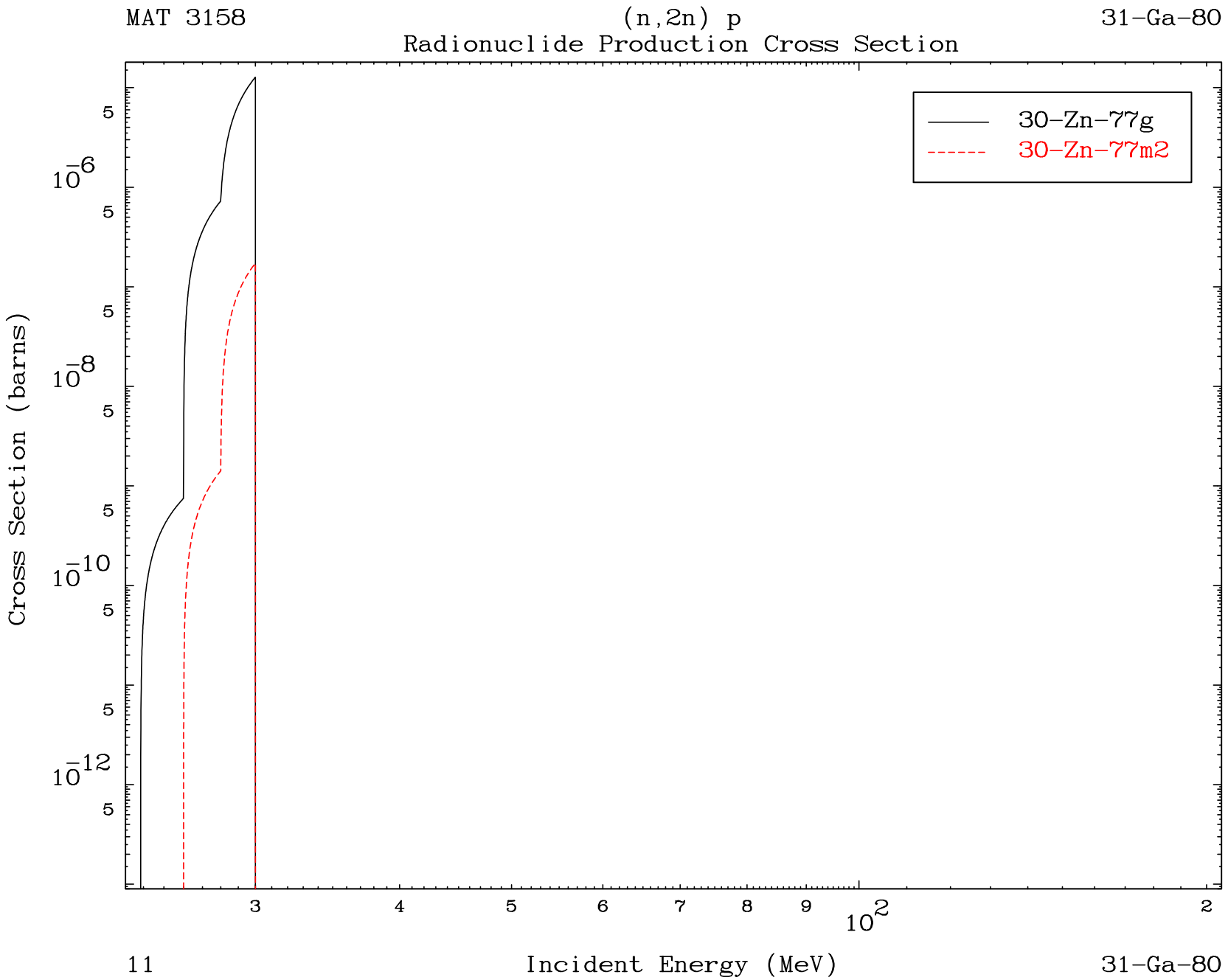

MAT 3158
(γ,p) Levels
31-Ga-80
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
6
31-Ga-80

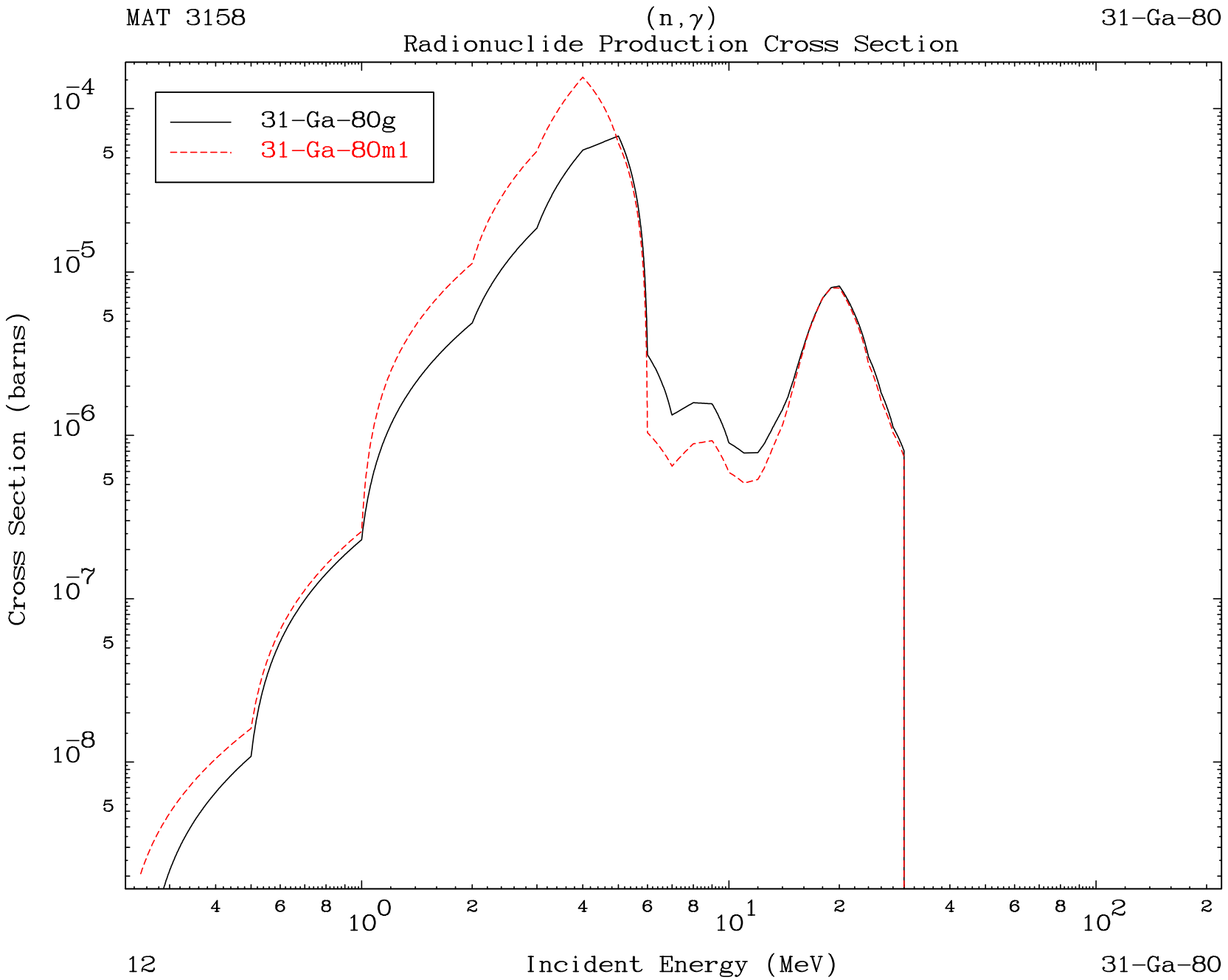

MAT 3158
(γ,d) Levels
31-Ga-80
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
31-Ga-80

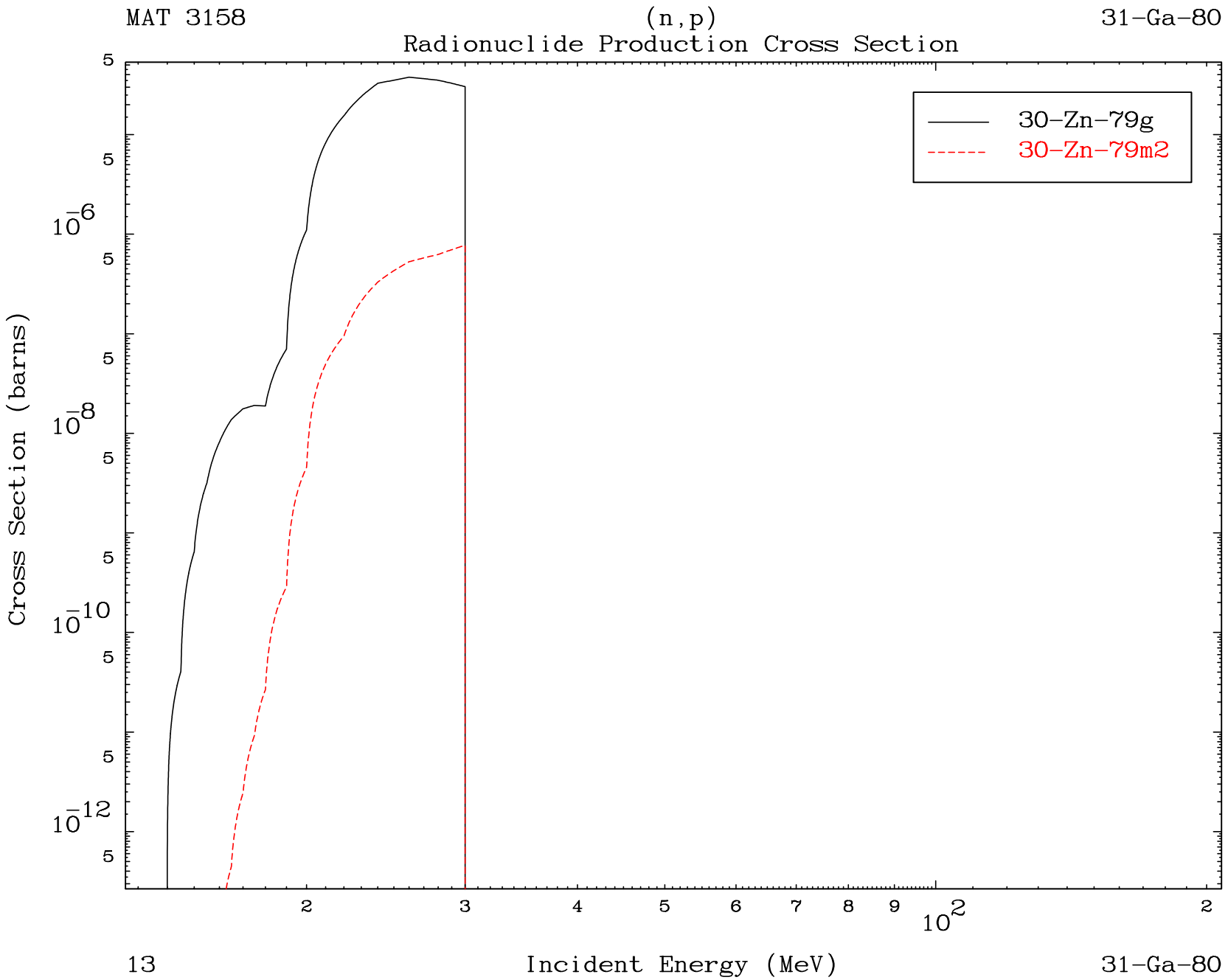

MAT 3158
(γ,t) Levels
31-Ga-80
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
8
31-Ga-80

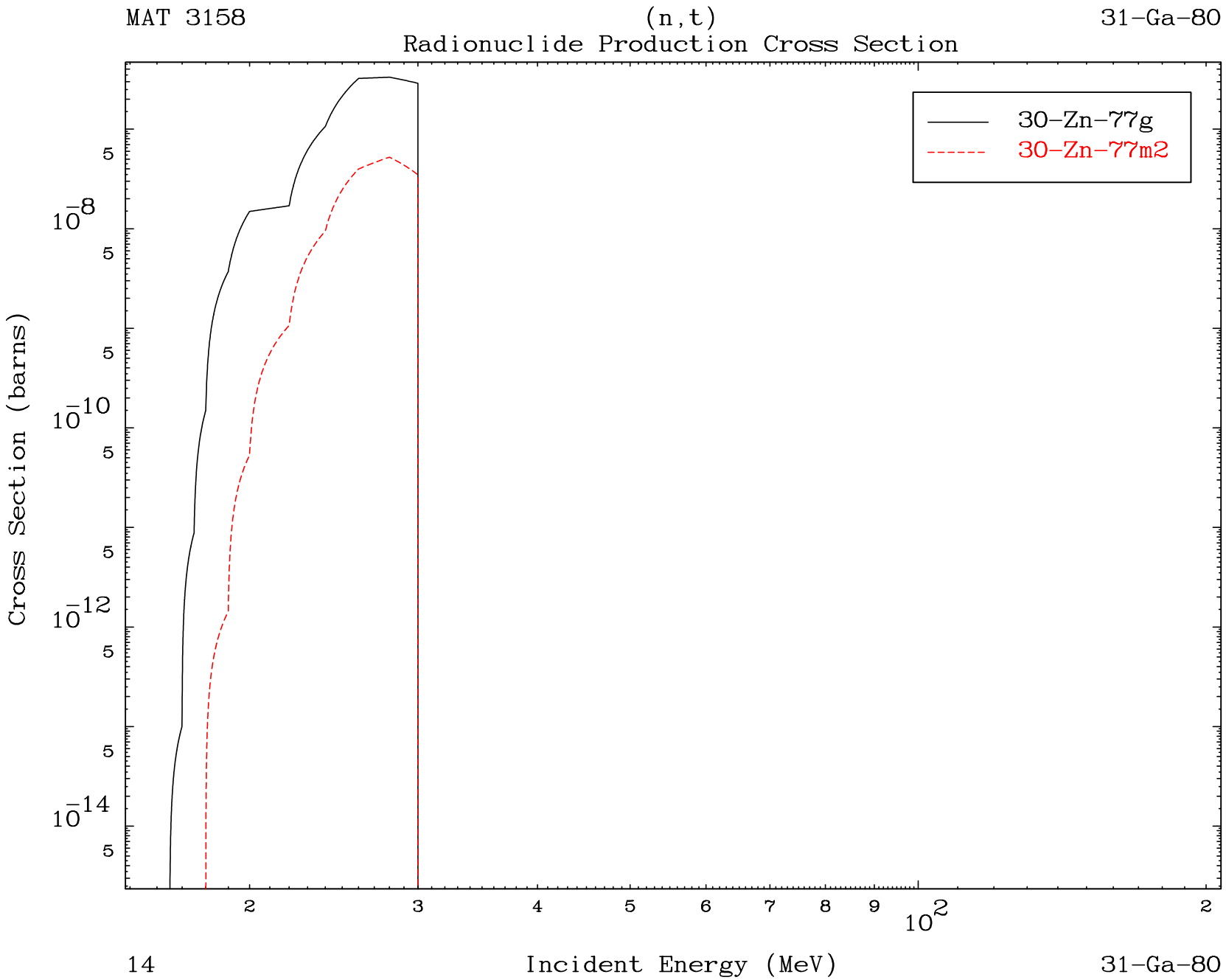

0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 3158
(n,n') d
31-Ga-80
Radionuclide Production Cross Section
30-Zn-77g
30-Zn-77m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
6
7
8
9
10^2
2
10
Incident Energy (MeV)
31-Ga-80


MAT 3158
(n,2n) p
31-Ga-80
Radionuclide Production Cross Section
30-Zn-77g
30-Zn-77m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
31-Ga-80


MAT 3158
(n,γ)
31-Ga-80
Radionuclide Production Cross Section
31-Ga-80g
31-Ga-80m1
Cross Section (barns)
Incident Energy (MeV)
12
31-Ga-80


MAT 3158
(n,p)
31-Ga-80
Radionuclide Production Cross Section
30-Zn-79g
30-Zn-79m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
31-Ga-80


MAT 3158
(n,t)
31-Ga-80
Radionuclide Production Cross Section
30-Zn-77g
30-Zn-77m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
31-Ga-80