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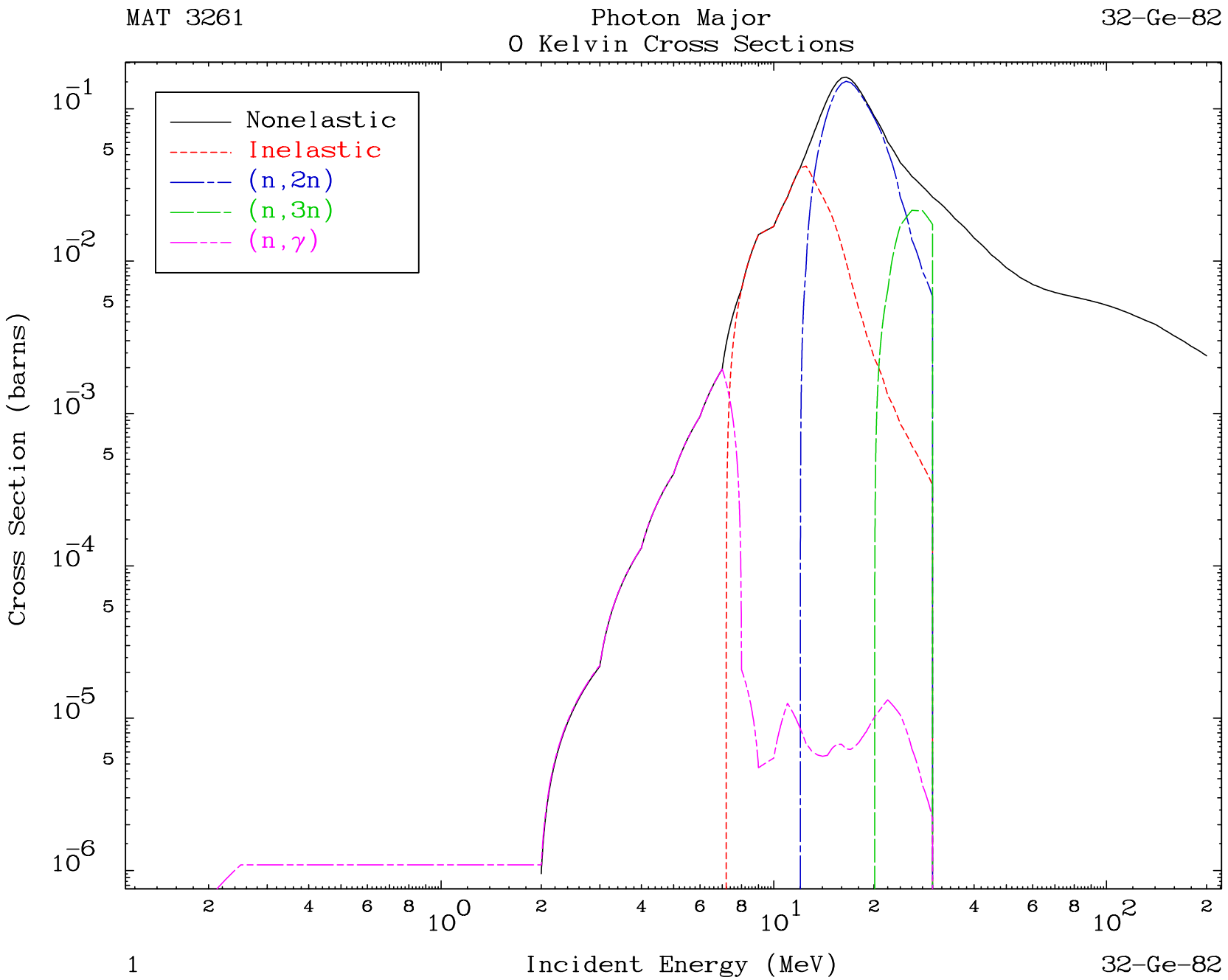
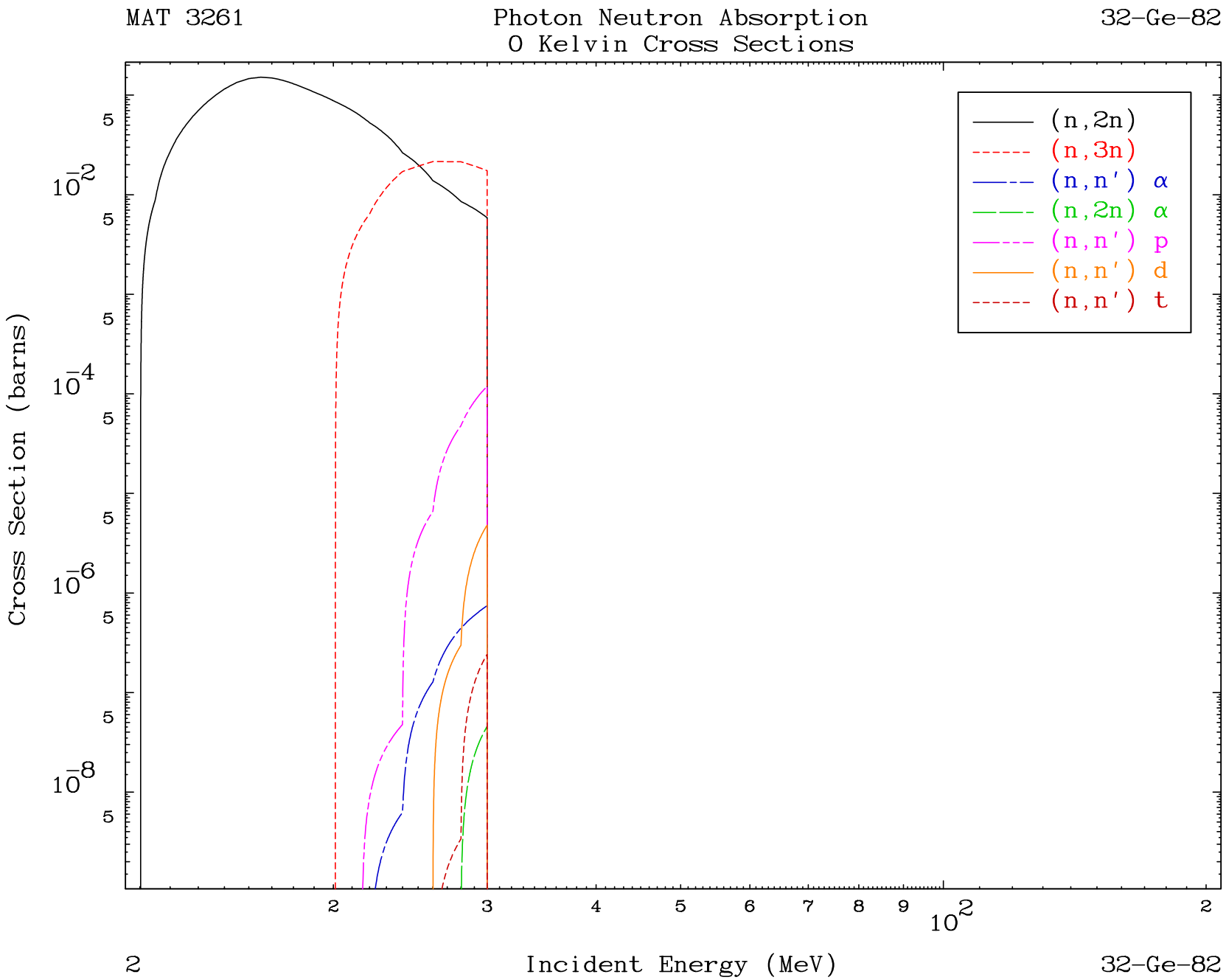
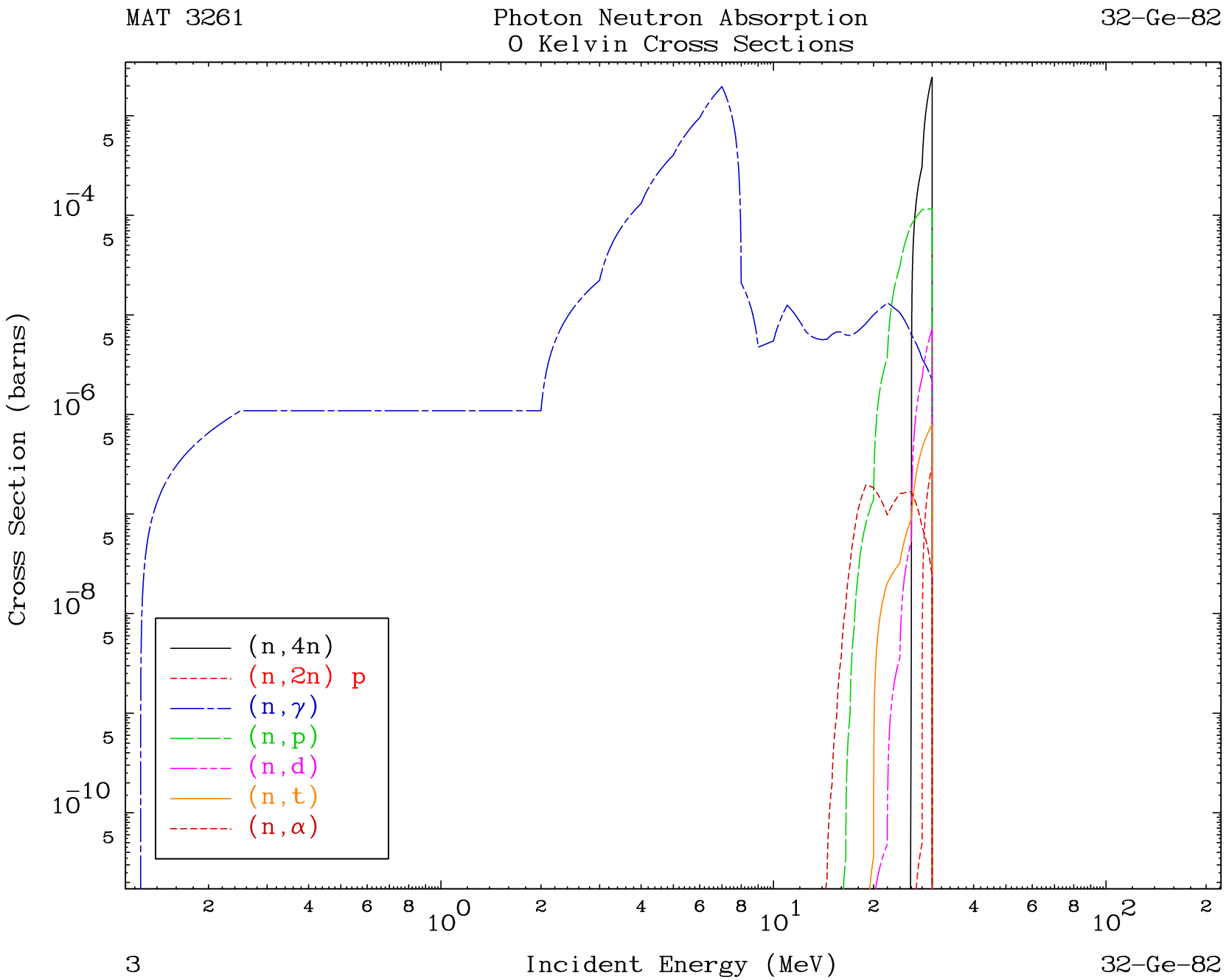
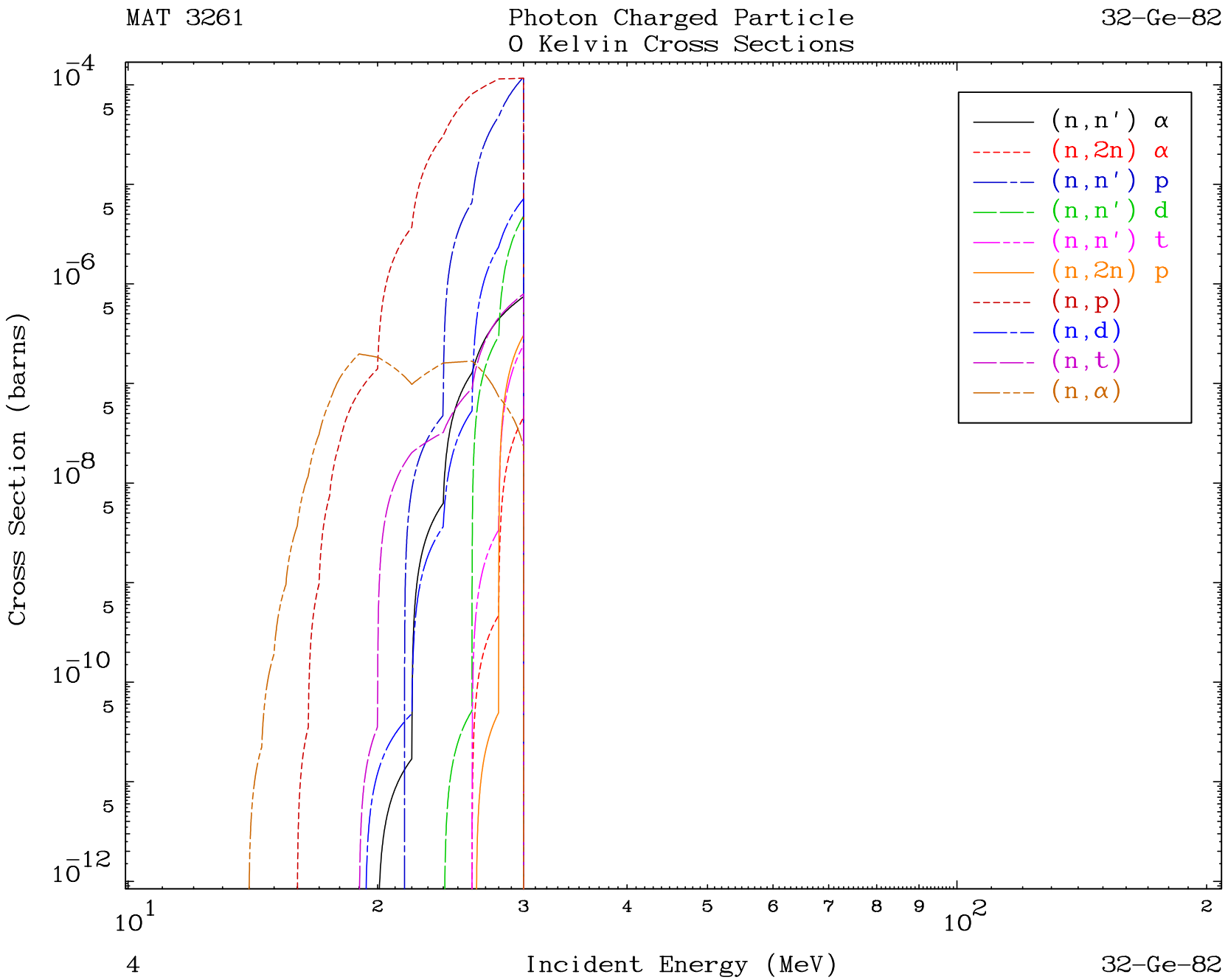
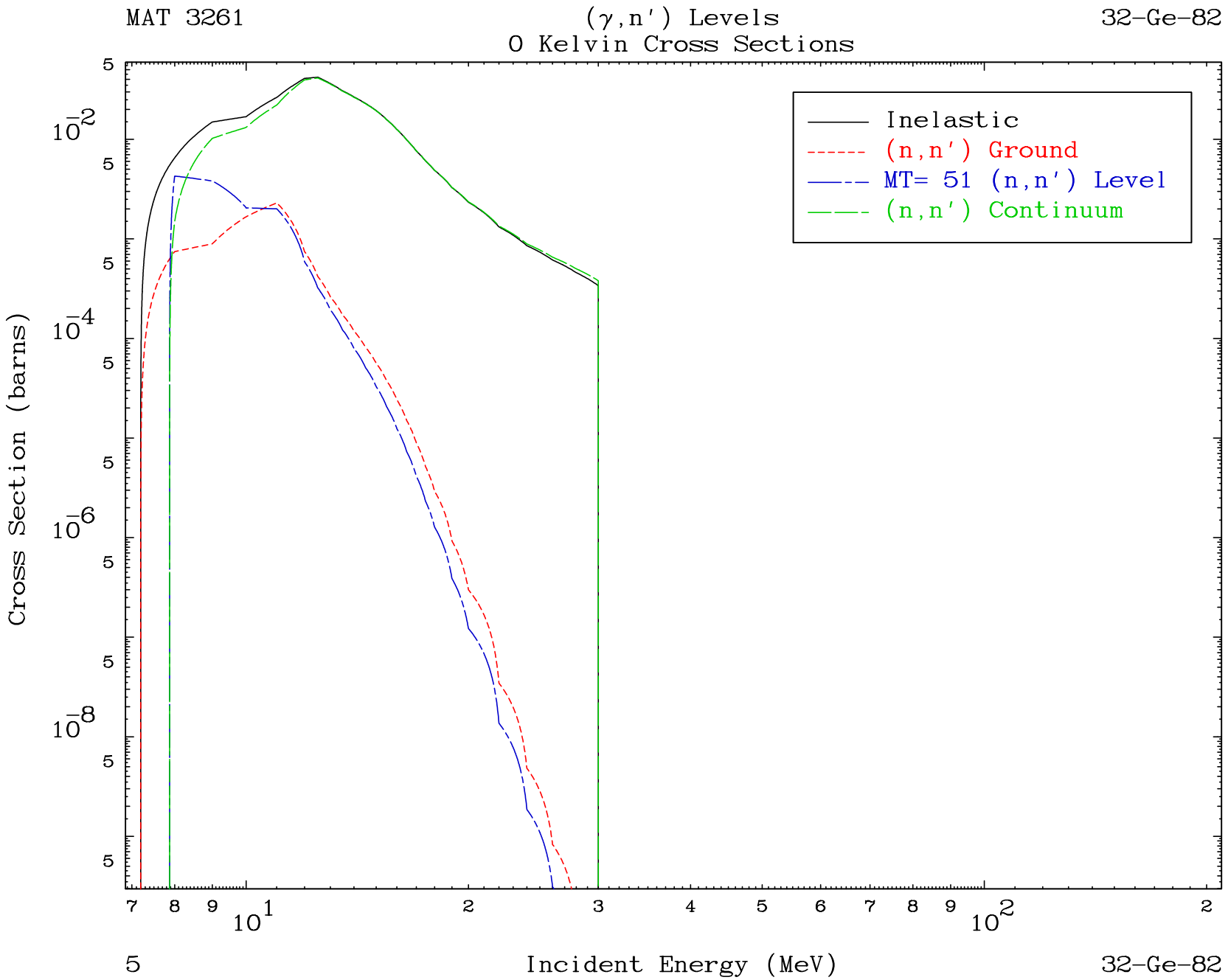
Press Mouse Button to Start

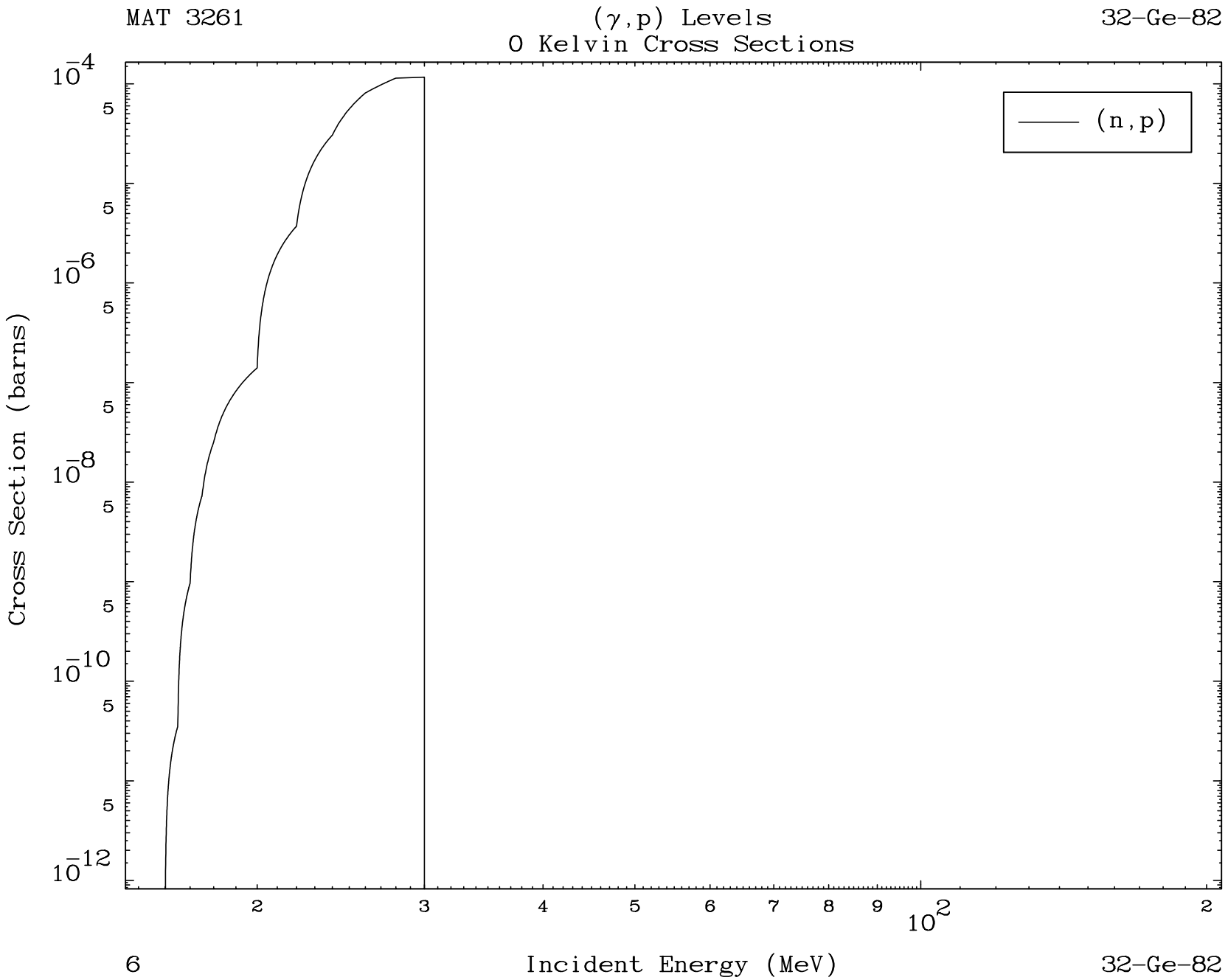

MAT 3261
Photon Major
32-Ge-82
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
32-Ge-82

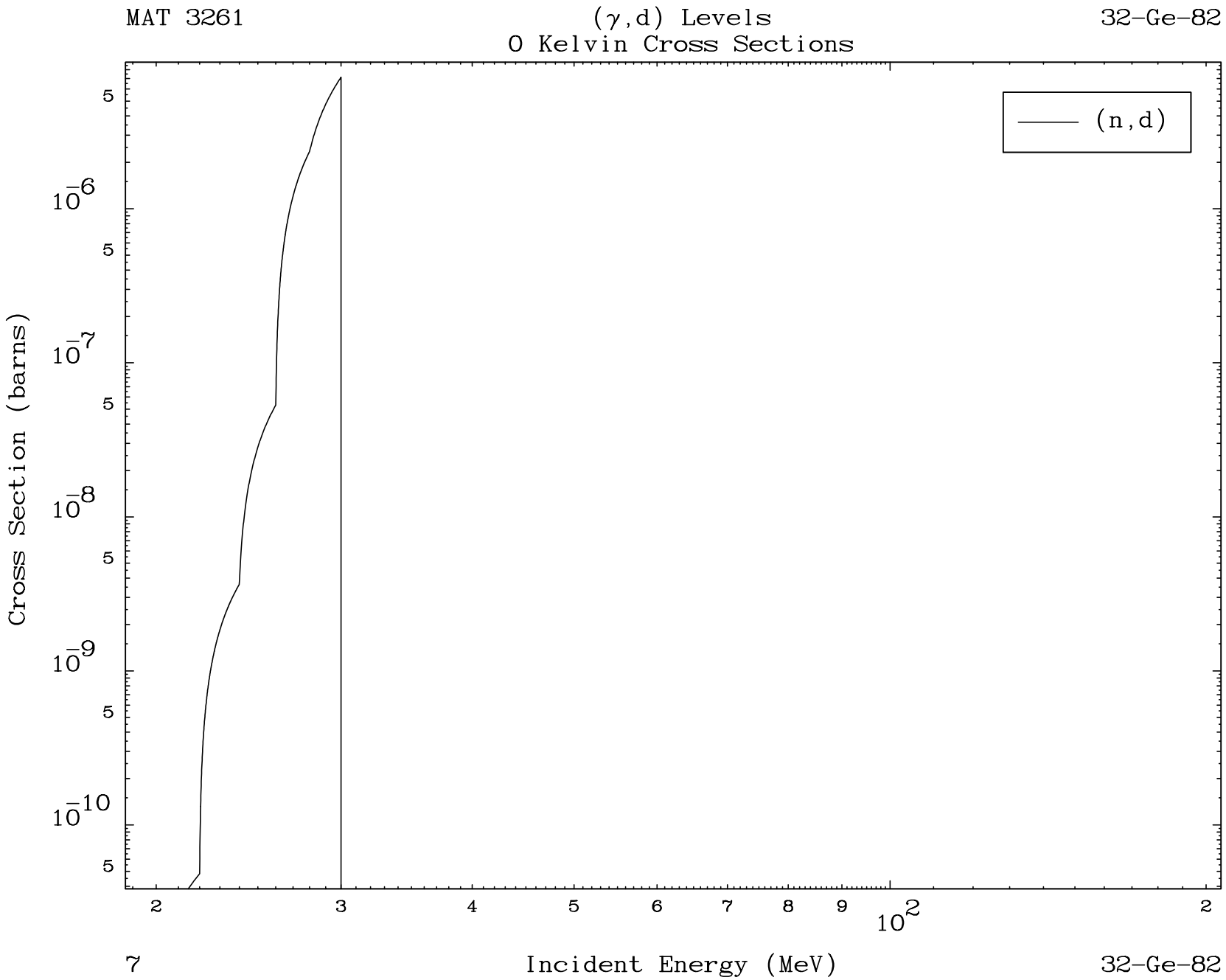

MAT 3261
Photon Neutron Absorption
0 Kelvin Cross Sections
32-Ge-82
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
32-Ge-82

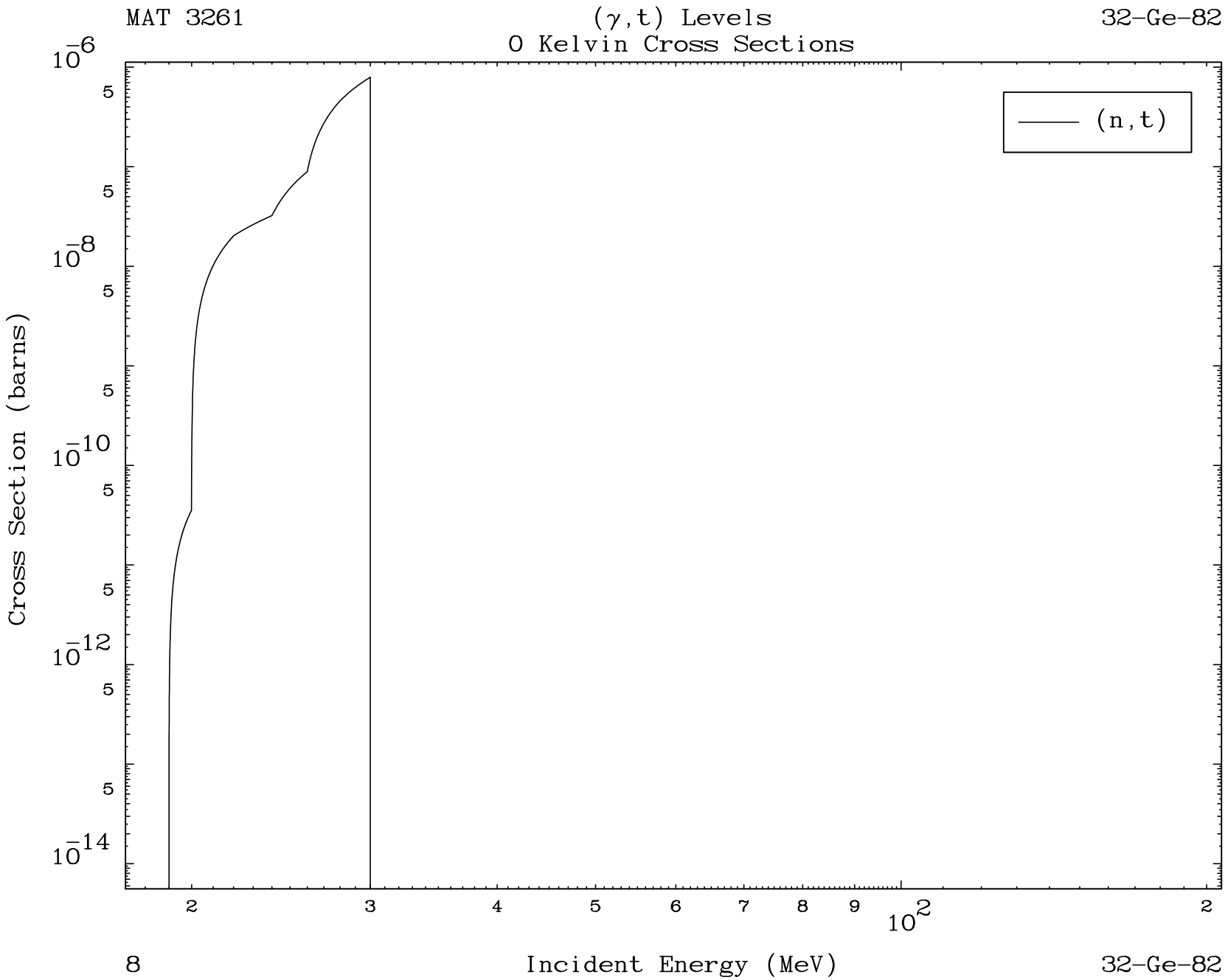

MAT 3261
Photon Neutron Absorption
0 Kelvin Cross Sections
32-Ge-82
Cross Section (barns)
10-4
10-6
10-8
10-10
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
100
101
102
Incident Energy (MeV)
3
32-Ge-82

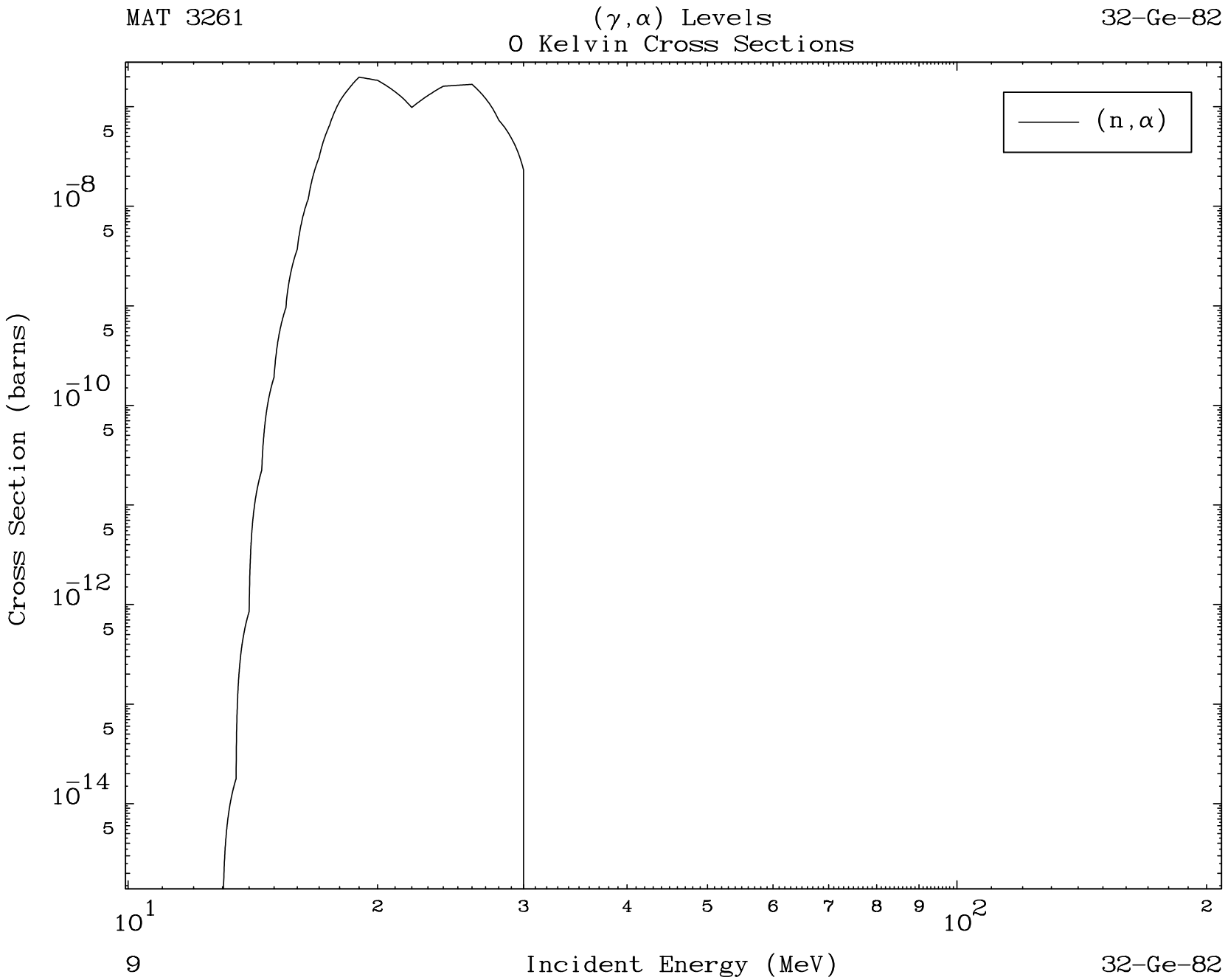

MAT 3261
Photon Charged Particle
0 Kelvin Cross Sections
32-Ge-82
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)

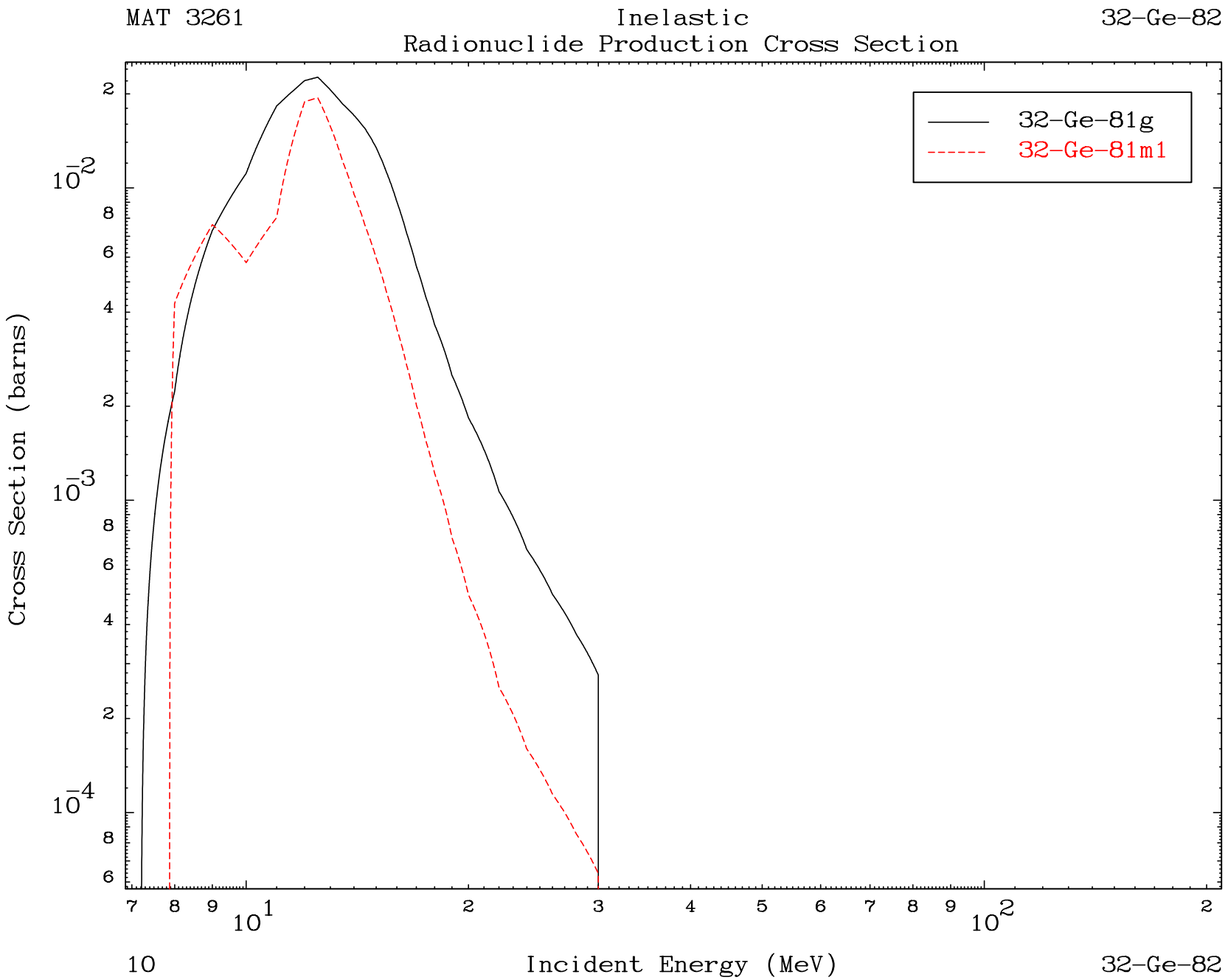

MAT 3261
(γ,n') Levels
0 Kelvin Cross Sections
32-Ge-82
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
32-Ge-82

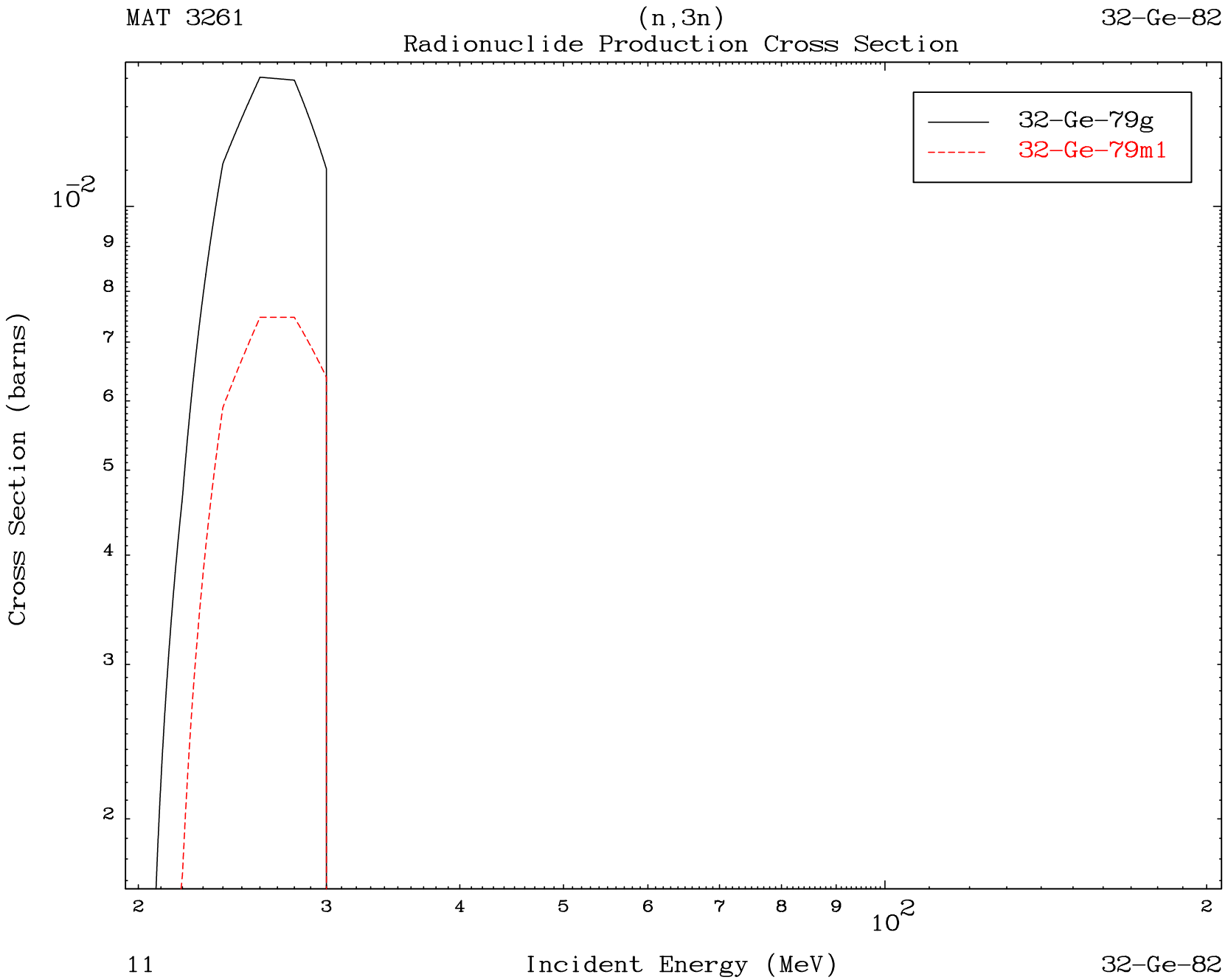

MAT 3261
(γ,p) Levels
32-Ge-82
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
6
32-Ge-82

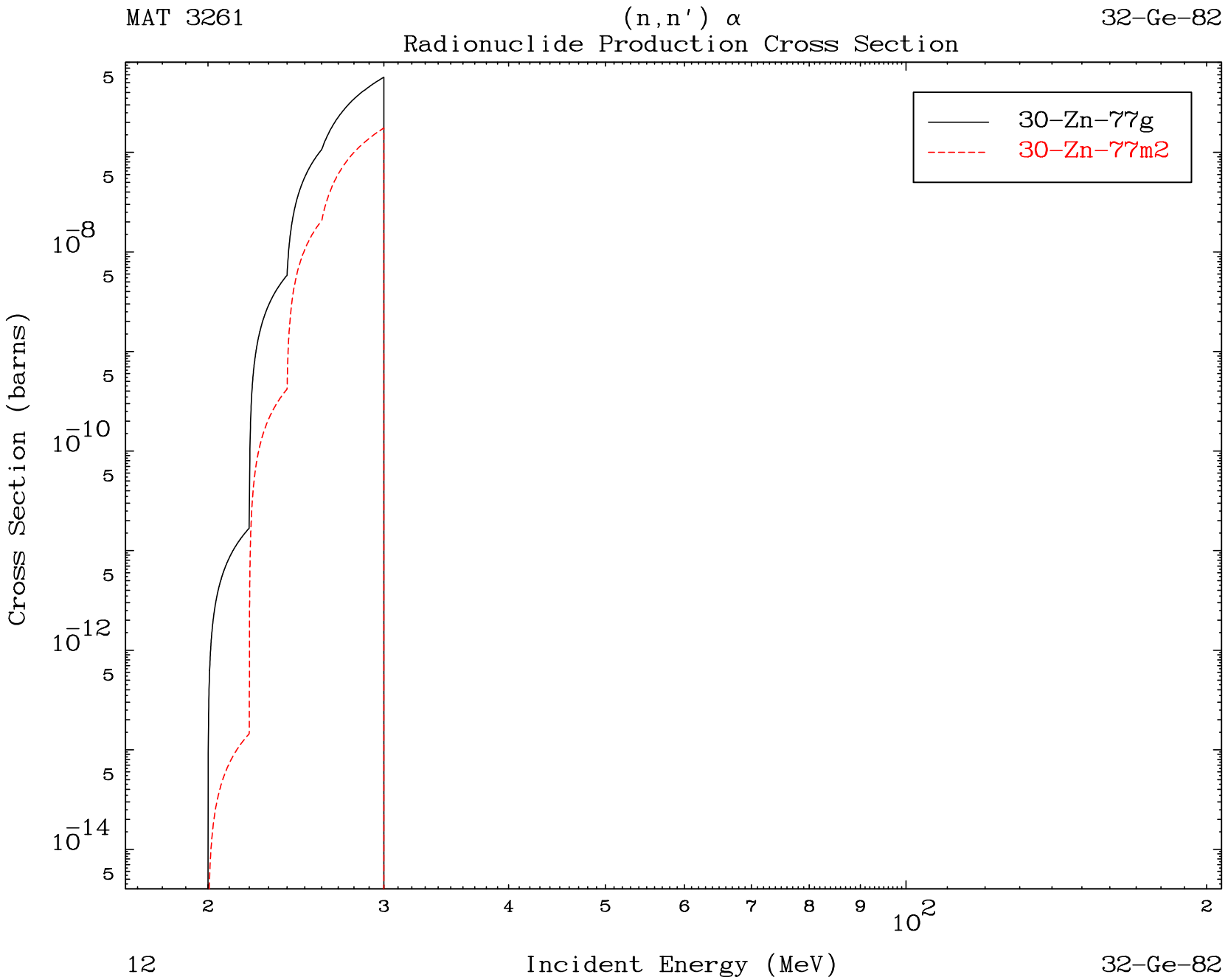

MAT 3261
(γ,d) Levels
32-Ge-82
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-6
10-7
10-8
10-9
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
32-Ge-82

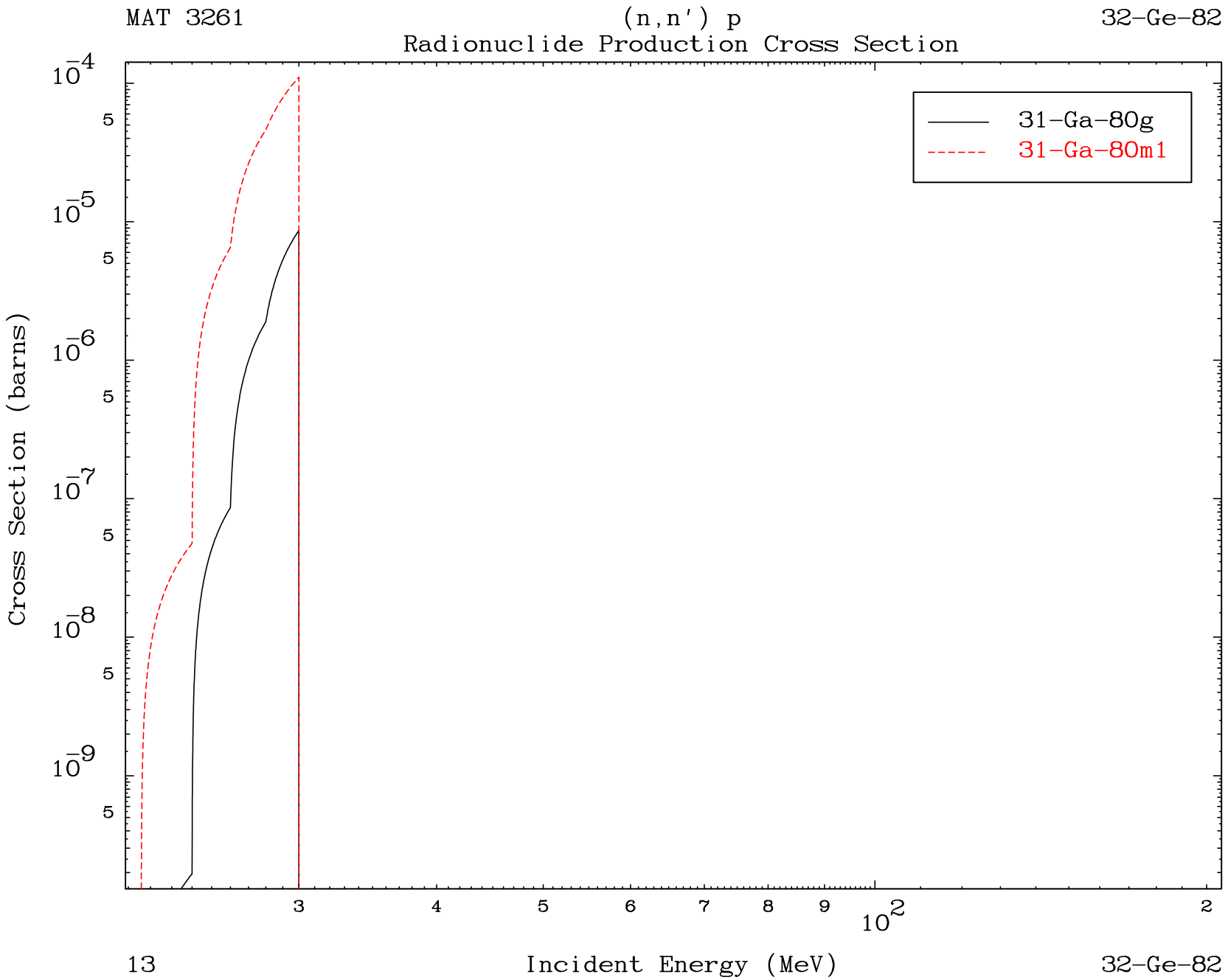

MAT 3261
(γ,t) Levels
32-Ge-82
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
5
10^-8
5
10^-10
5
10^-12
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

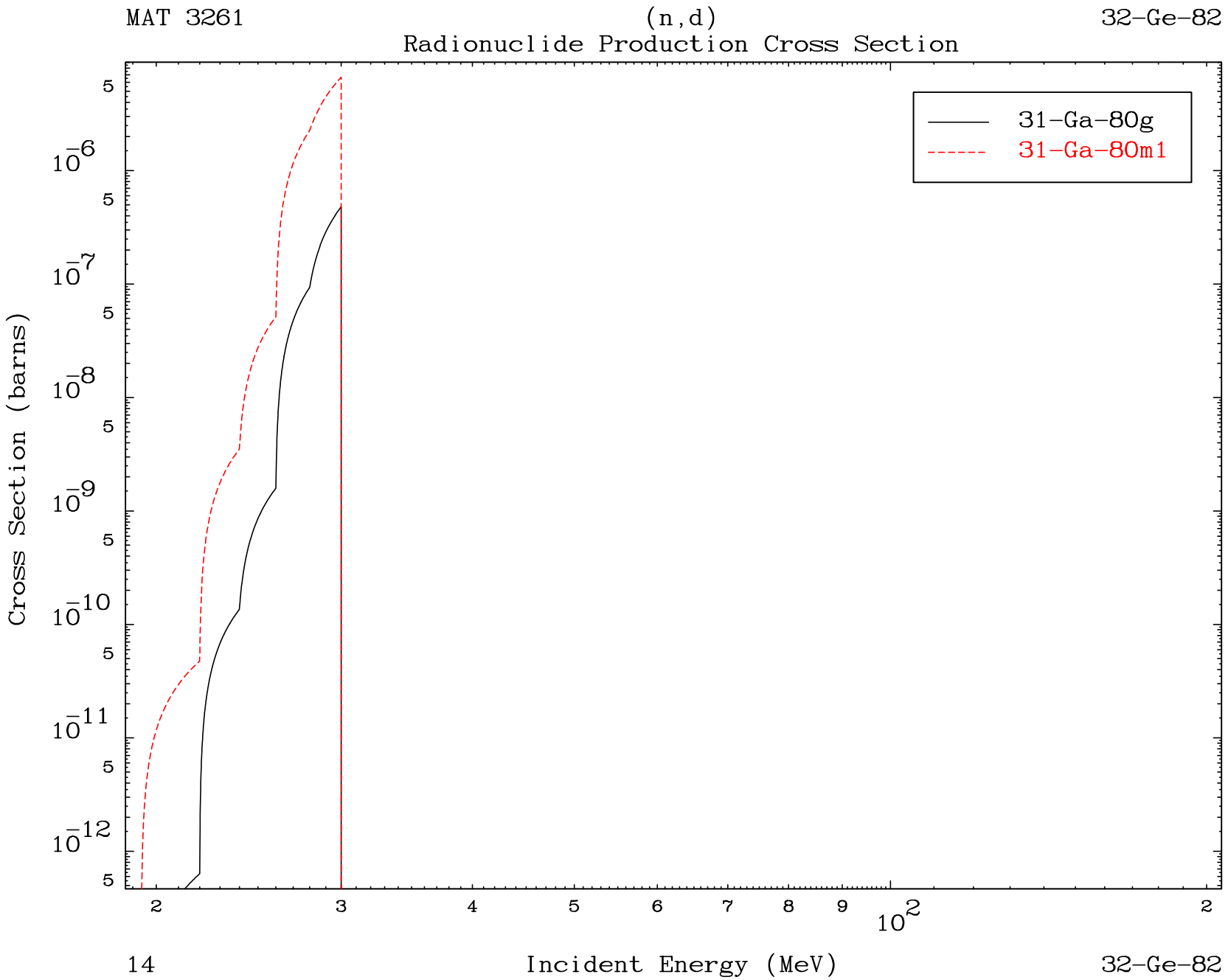

MAT 3261
(γ,α) Levels
32-Ge-82
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
Incident Energy (MeV)
10^1
10^2
2
3
4
5
6
7
8
9
32-Ge-82


MAT 3261
Inelastic
32-Ge-82
Radionuclide Production Cross Section
32-Ge-81g
32-Ge-81m1
Cross Section (barns)
Incident Energy (MeV)
32-Ge-82


MAT 3261
(n,3n)
32-Ge-82
Radionuclide Production Cross Section
32-Ge-79g
32-Ge-79m1
Cross Section (barns)
10^{-2}
9
8
7
6
5
4
3
2
2
3
4
5
6
7
8
9
10^{2}
2
11
Incident Energy (MeV)
32-Ge-82


MAT 3261
(n,n') α
32-Ge-82
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
6
7
8
9
10^2
Incident Energy (MeV)
12
32-Ge-82


MAT 3261
(n,n') p
32-Ge-82
Radionuclide Production Cross Section
31-Ga-80g
31-Ga-80m1
Cross Section (barns)
Incident Energy (MeV)
13
32-Ge-82


MAT 3261
(n,d)
32-Ge-82
Radionuclide Production Cross Section
31-Ga-80g
31-Ga-80m1
Cross Section (barns)
Incident Energy (MeV)
14
32-Ge-82