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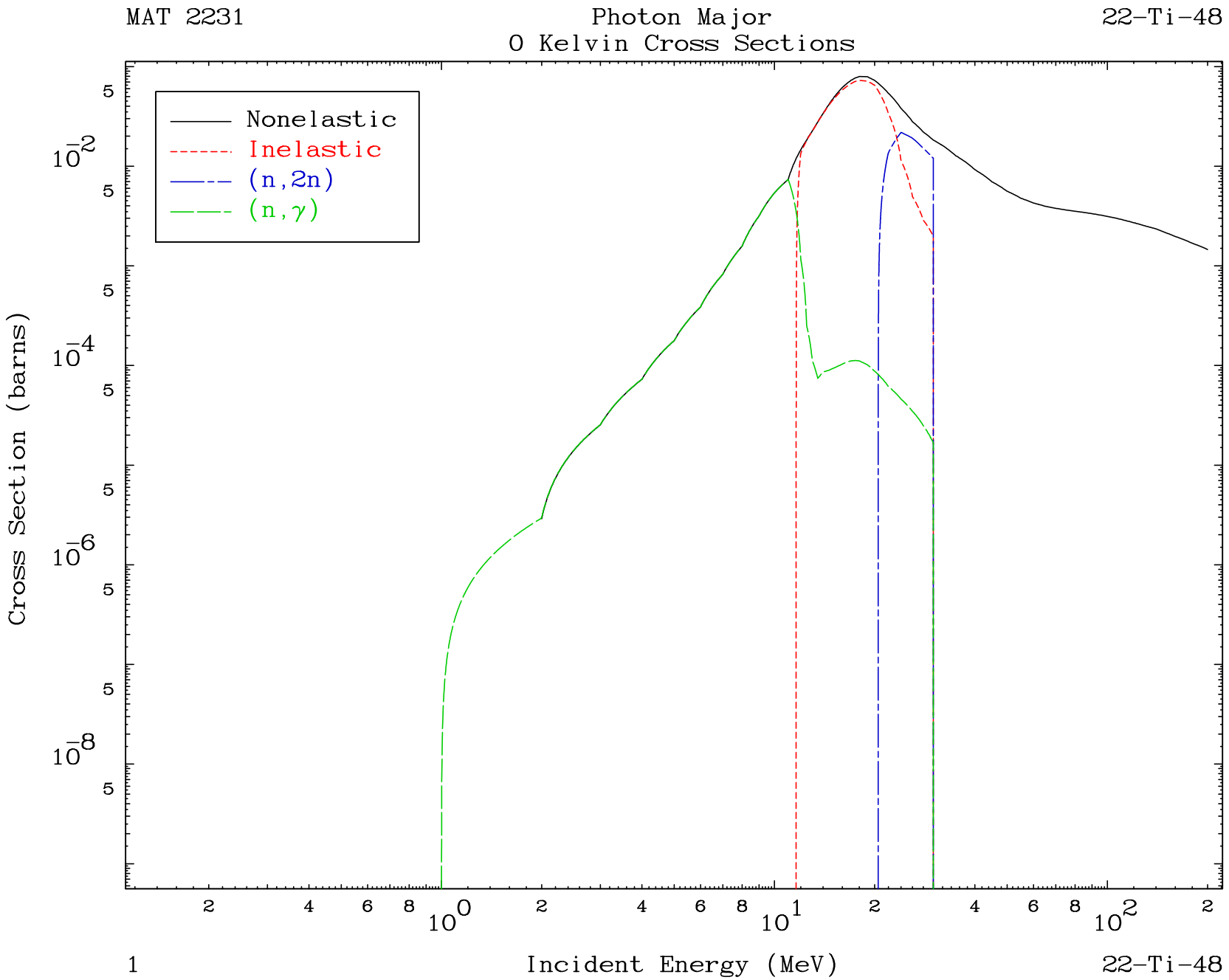
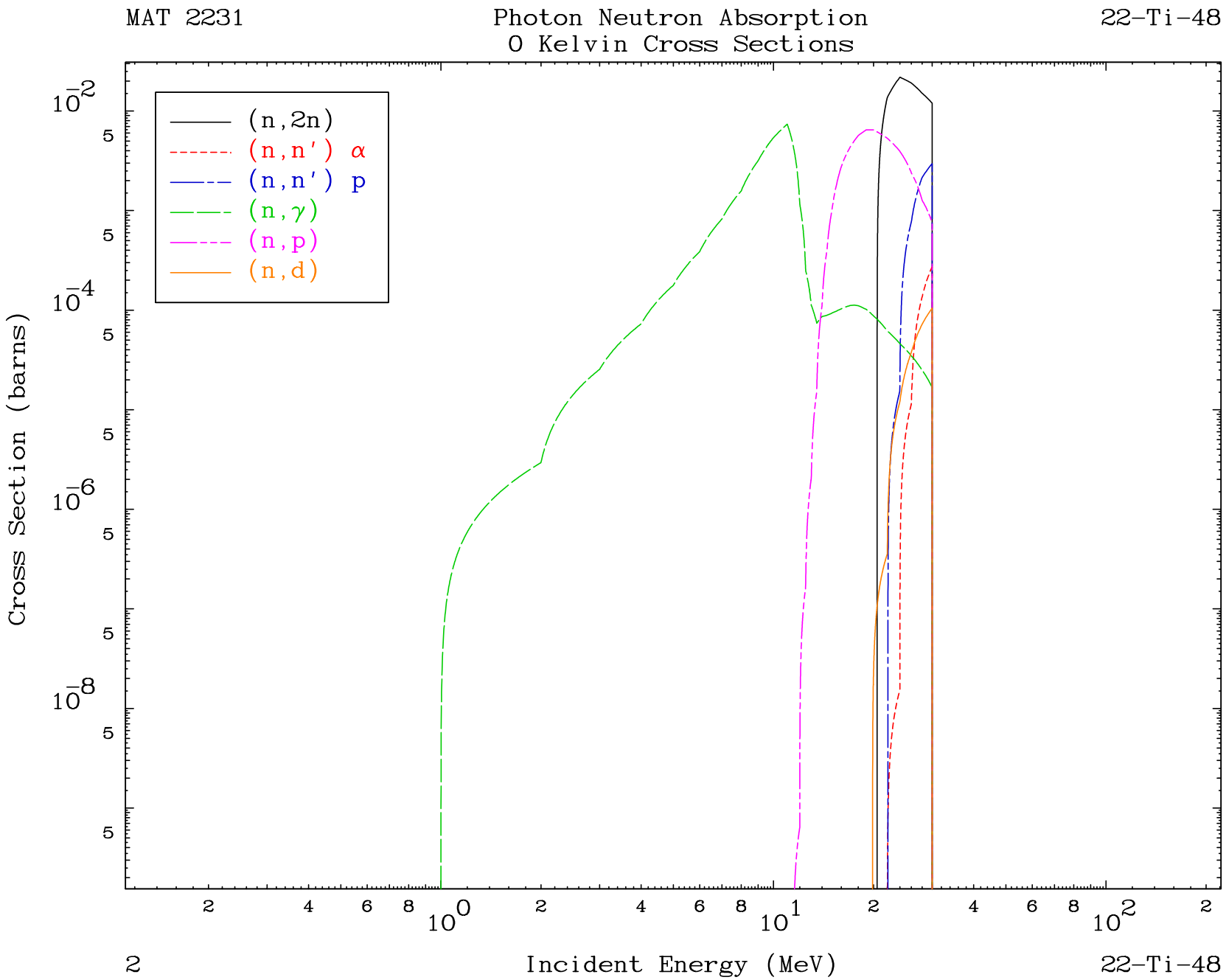
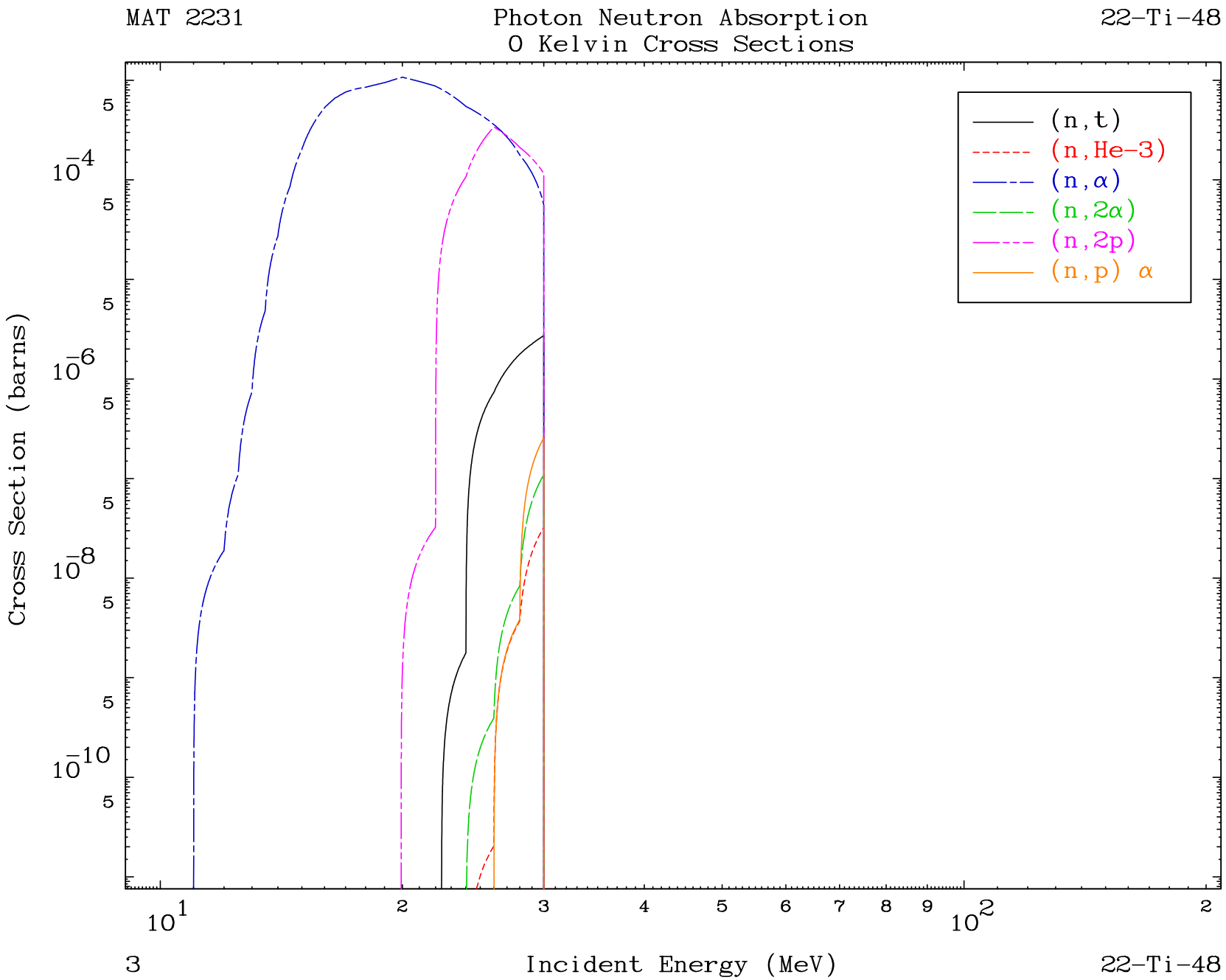
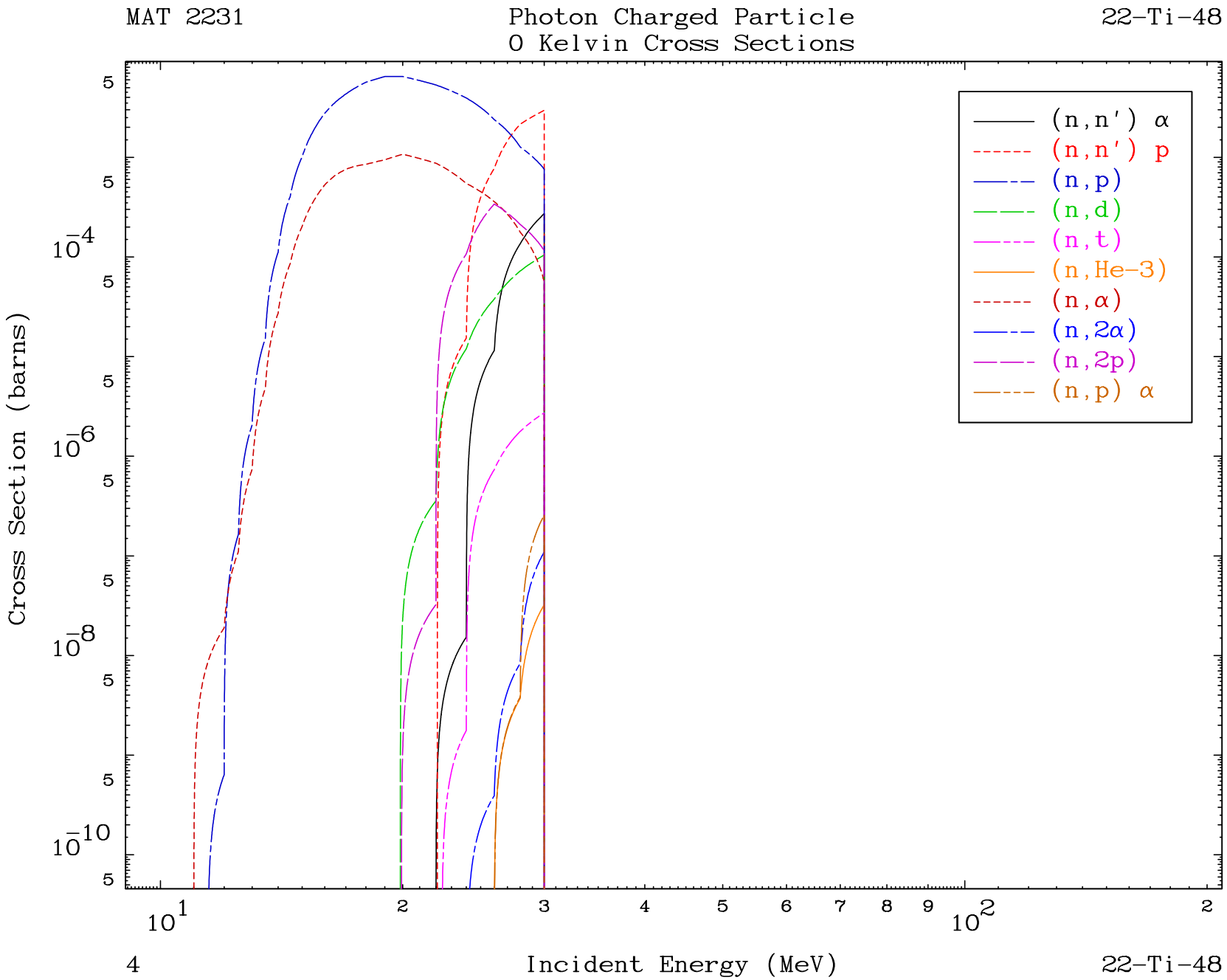
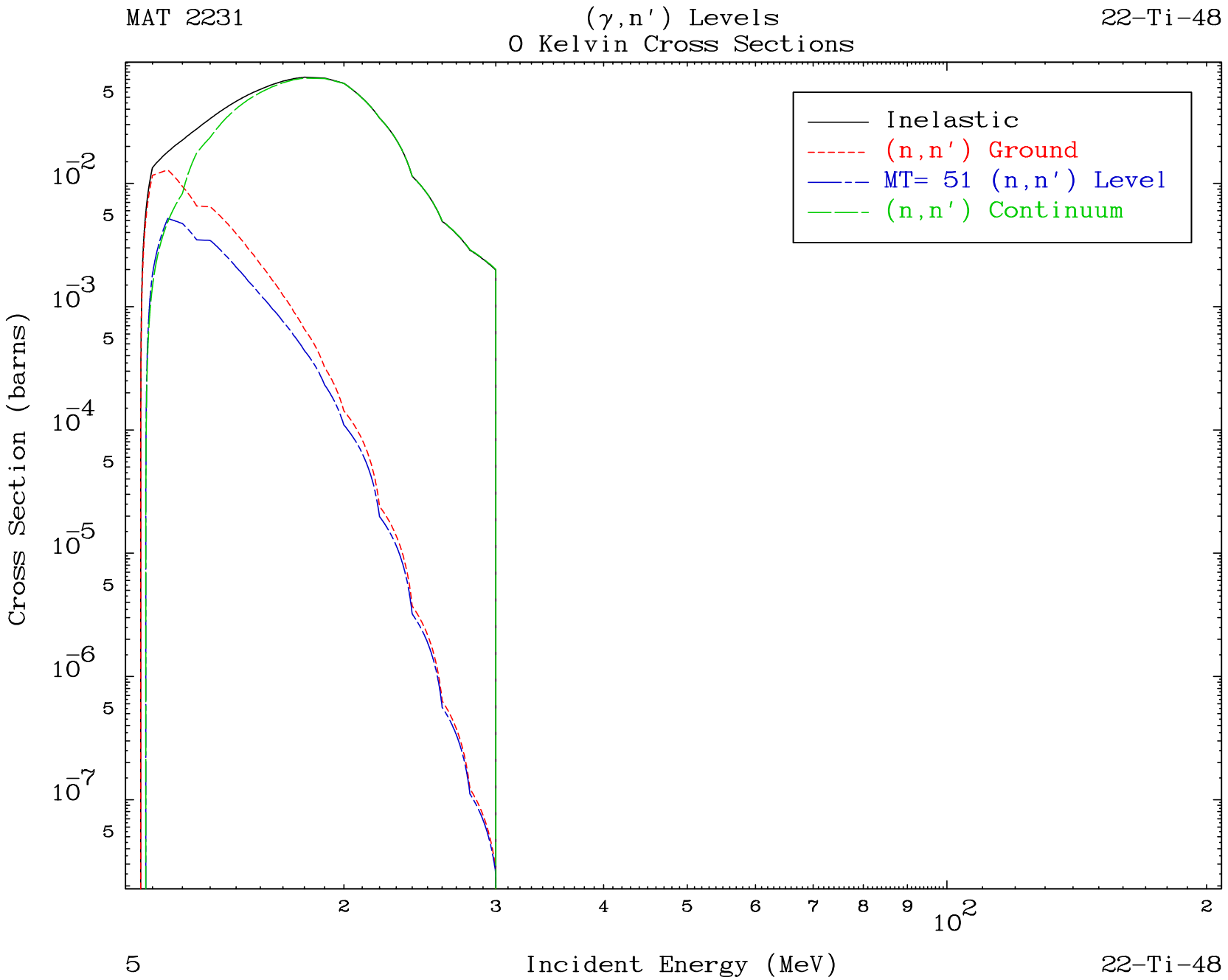
Press Mouse Button to Start

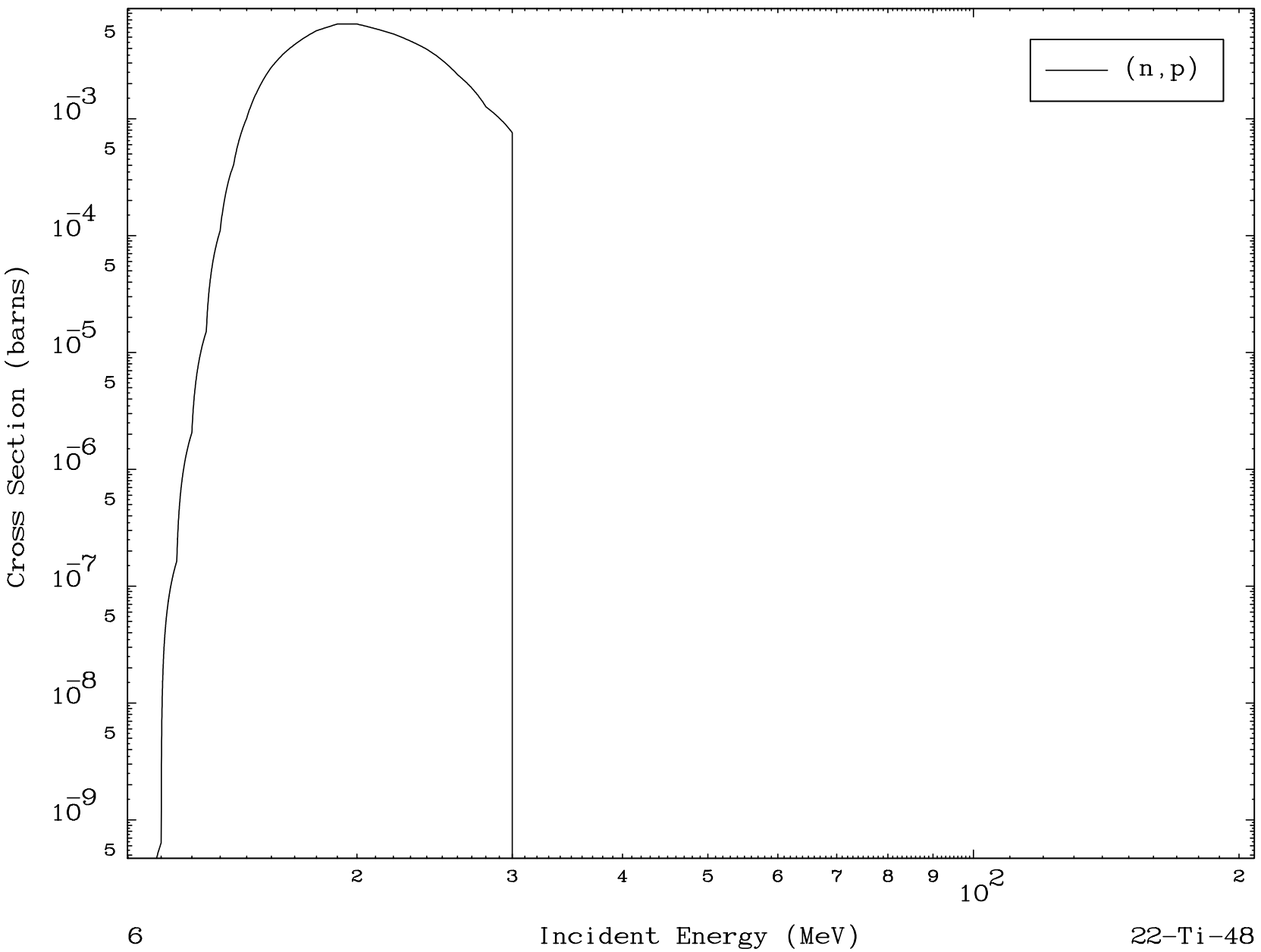

MAT 2231
Photon Major
22-Ti-48
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
22-Ti-48

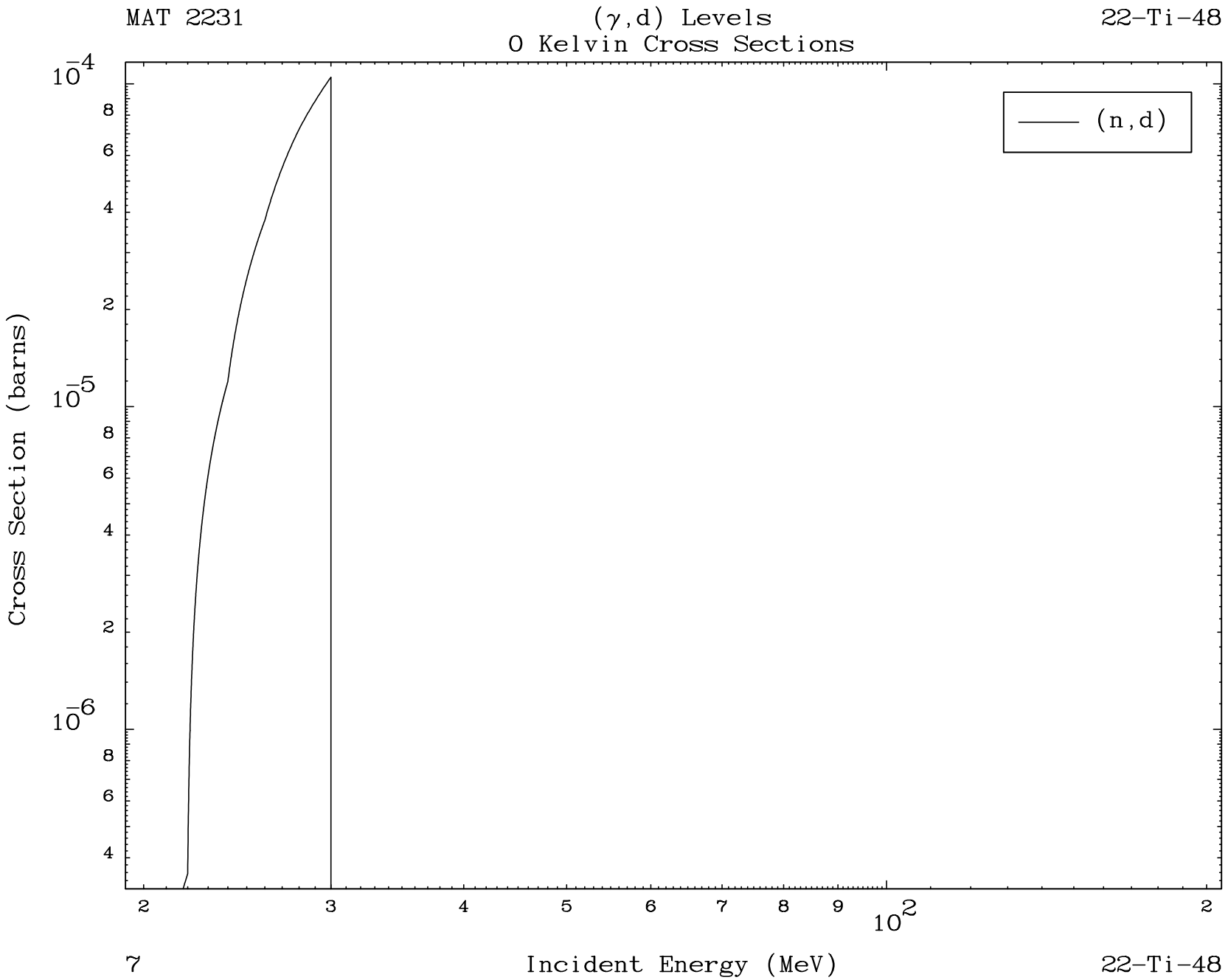

MAT 2231
Photon Neutron Absorption
0 Kelvin Cross Sections
22-Ti-48
(n,2n)
(n,n') α
(n,n') p
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
22-Ti-48
2

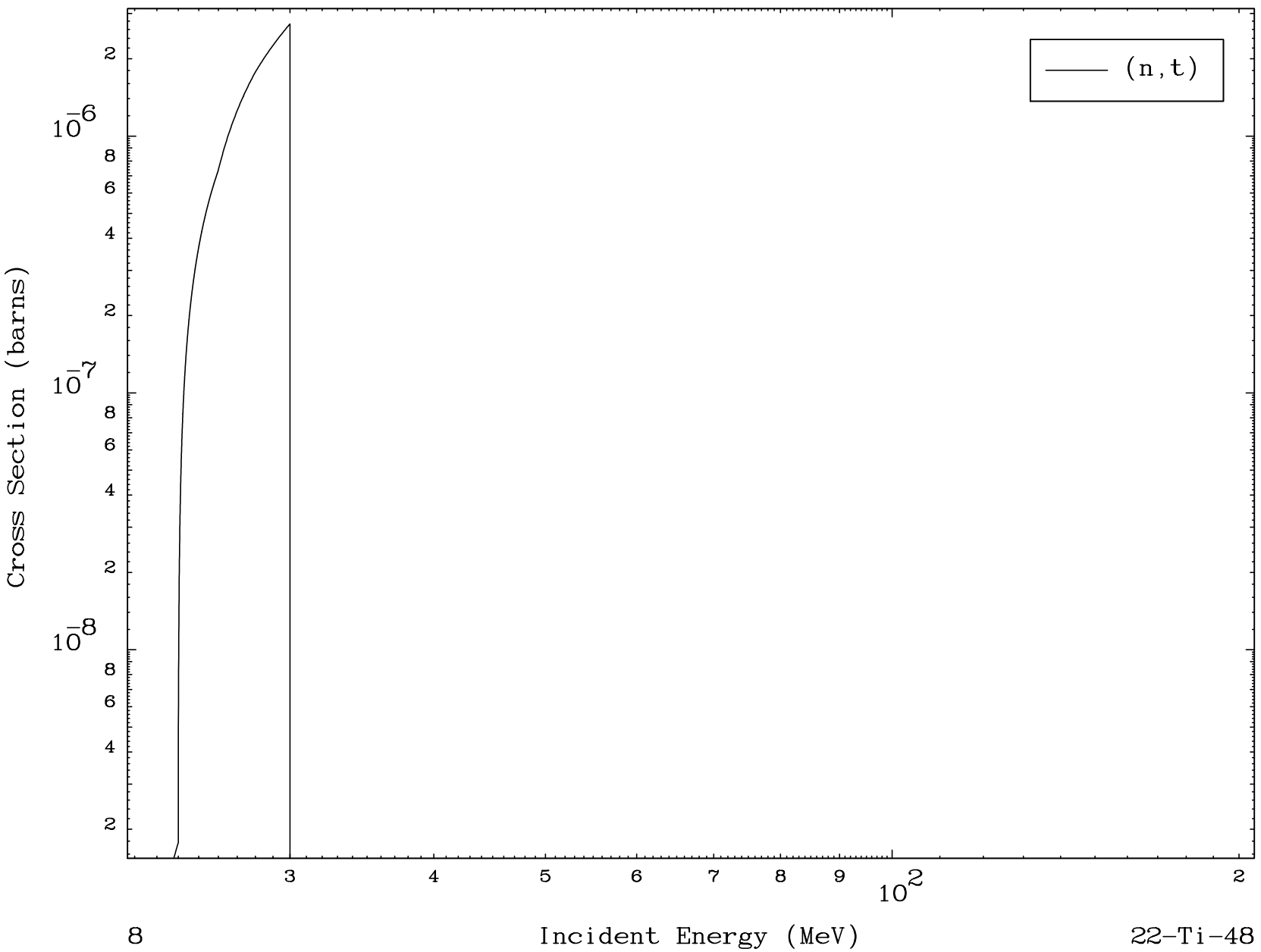

MAT 2231
Photon Neutron Absorption
0 Kelvin Cross Sections
22-Ti-48
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
22-Ti-48

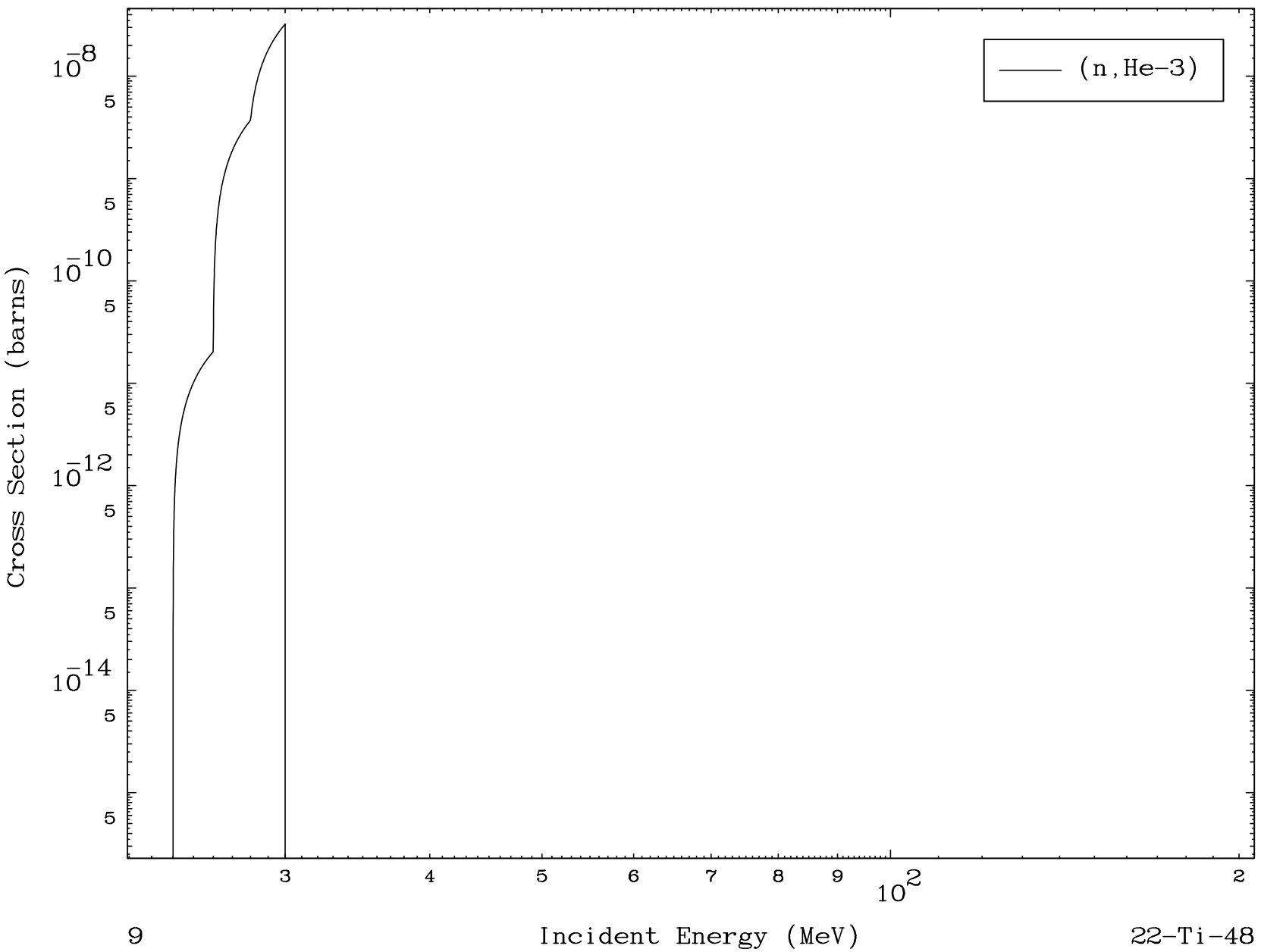

MAT 2231
Photon Charged Particle
0 Kelvin Cross Sections
22-Ti-48
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
4
22-Ti-48

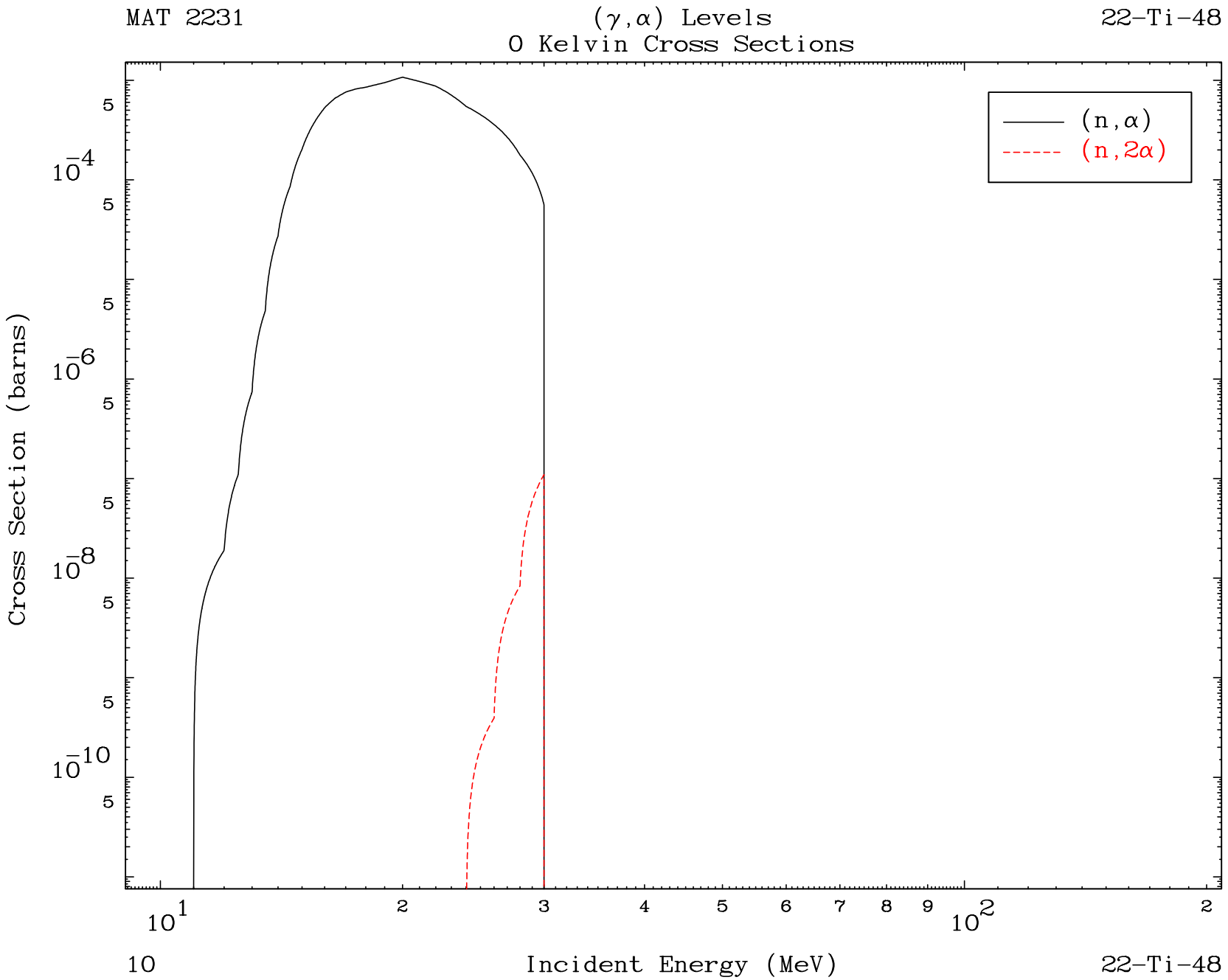

MAT 2231
(γ,n') Levels
22-Ti-48
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
5
22-Ti-48

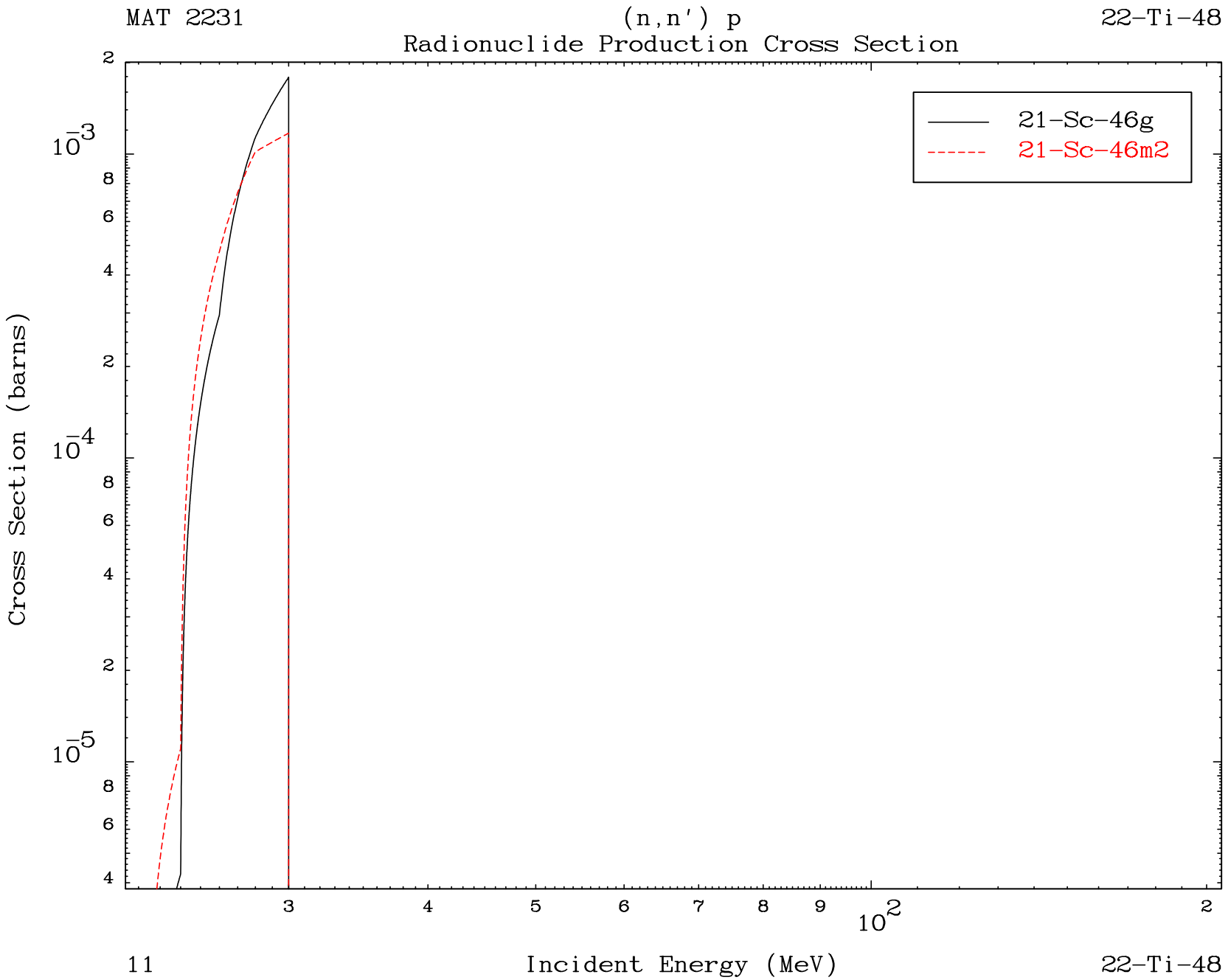

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
10^-3
10^-4
10^-5
10^-6
10^-7
10^-8
10^-9
2
3
4
5
6
7
8
9
10^2
2

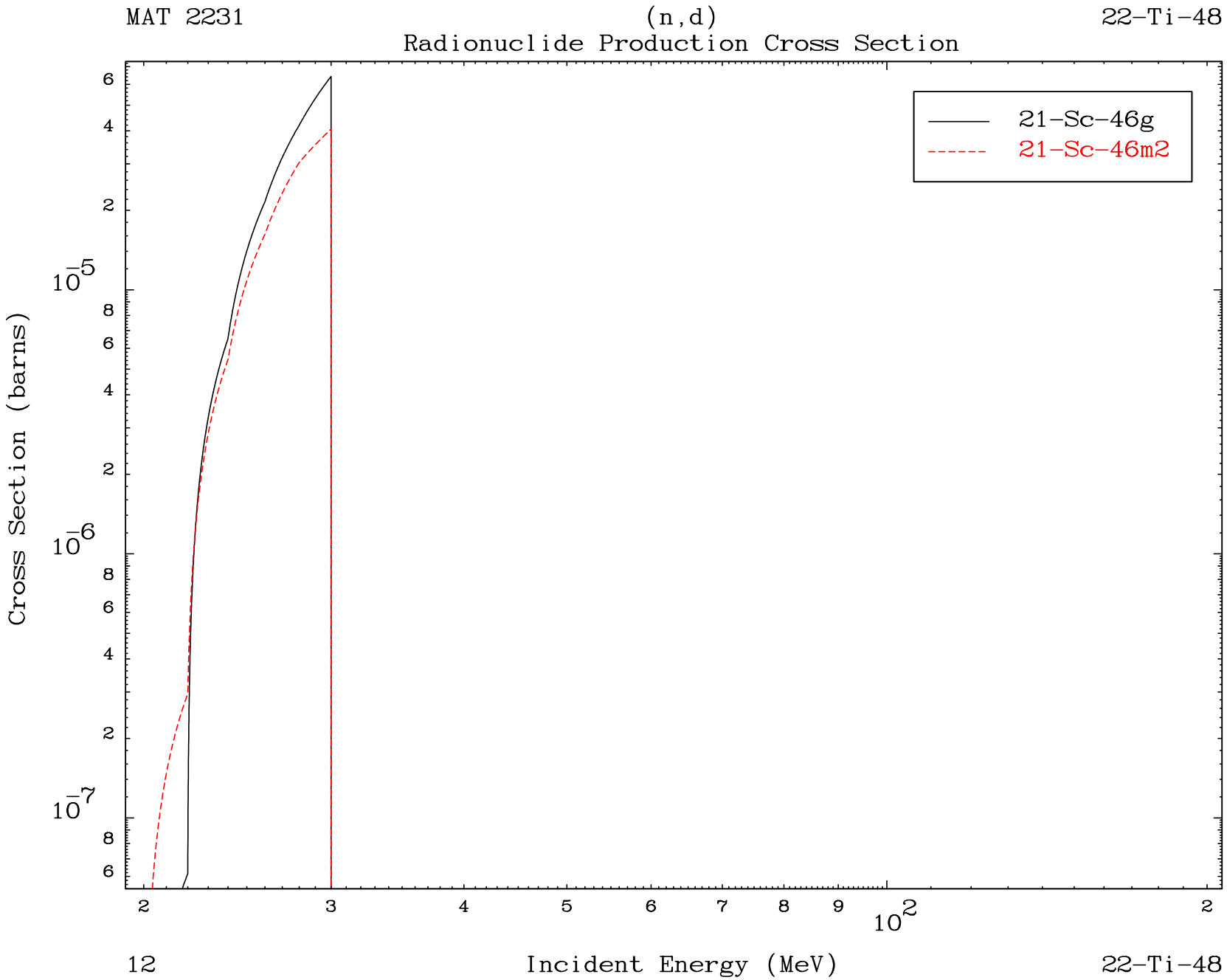

MAT 2231
(γ,d) Levels
22-Ti-48
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-5
10^-6
8
6
4
2
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
22-Ti-48

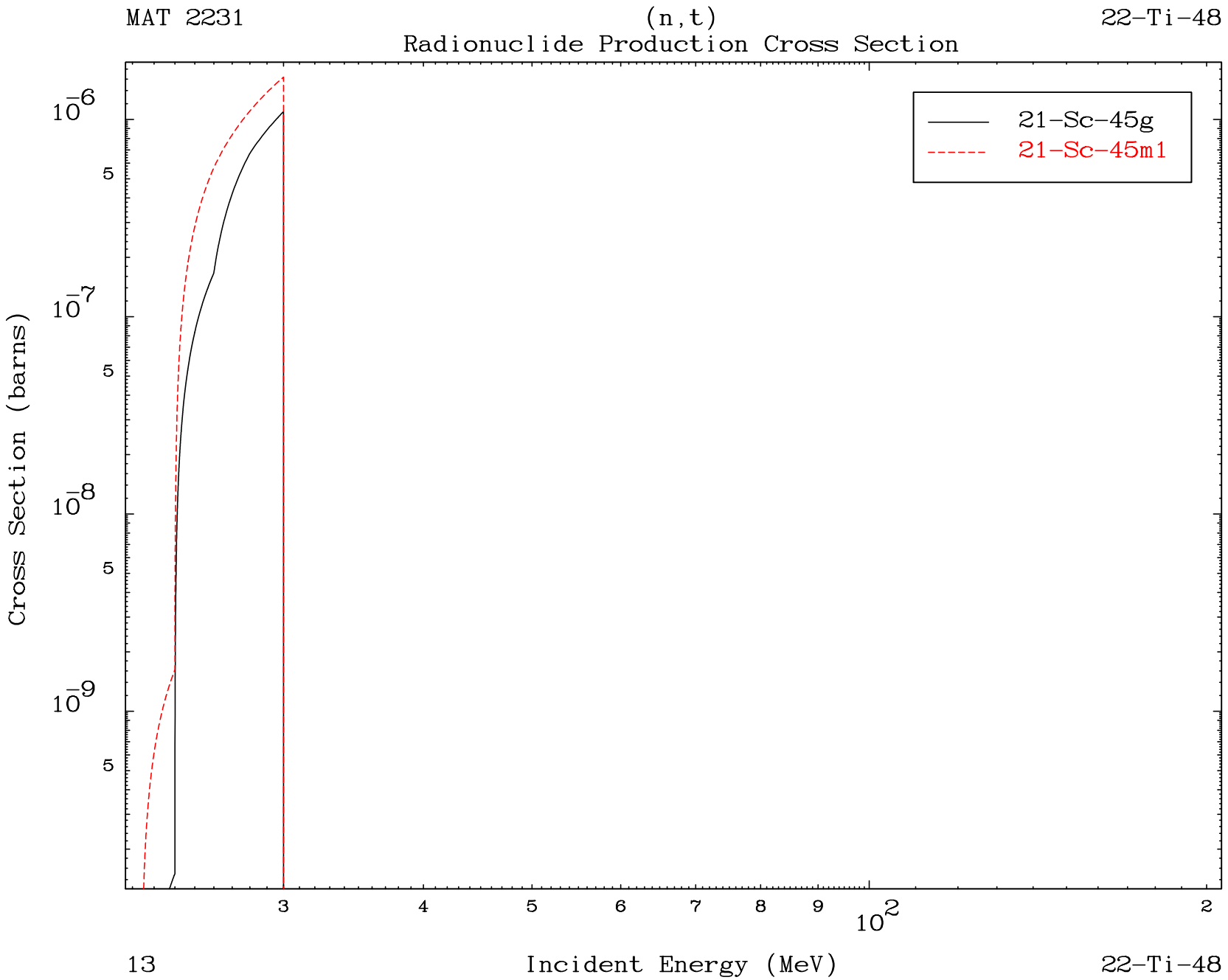

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
10^-7
10^-8
2
8
6
4
3
5
7
9
10^2
Incident Energy (MeV)


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


MAT 2231
(γ,α) Levels
22-Ti-48
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
22-Ti-48


MAT 2231
(n,n') p
22-Ti-48
Radionuclide Production Cross Section
21-Sc-46g
21-Sc-46m2
Cross Section (barns)
Incident Energy (MeV)
11
22-Ti-48


MAT 2231
(n,d)
22-Ti-48
Radionuclide Production Cross Section
21-Sc-46g
21-Sc-46m2
Cross Section (barns)
Incident Energy (MeV)
12
22-Ti-48


MAT 2231
(n,t)
22-Ti-48
Radionuclide Production Cross Section
21-Sc-45g
21-Sc-45m1
Cross Section (barns)
10-6
5
10-7
5
10-8
5
10-9
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
22-Ti-48