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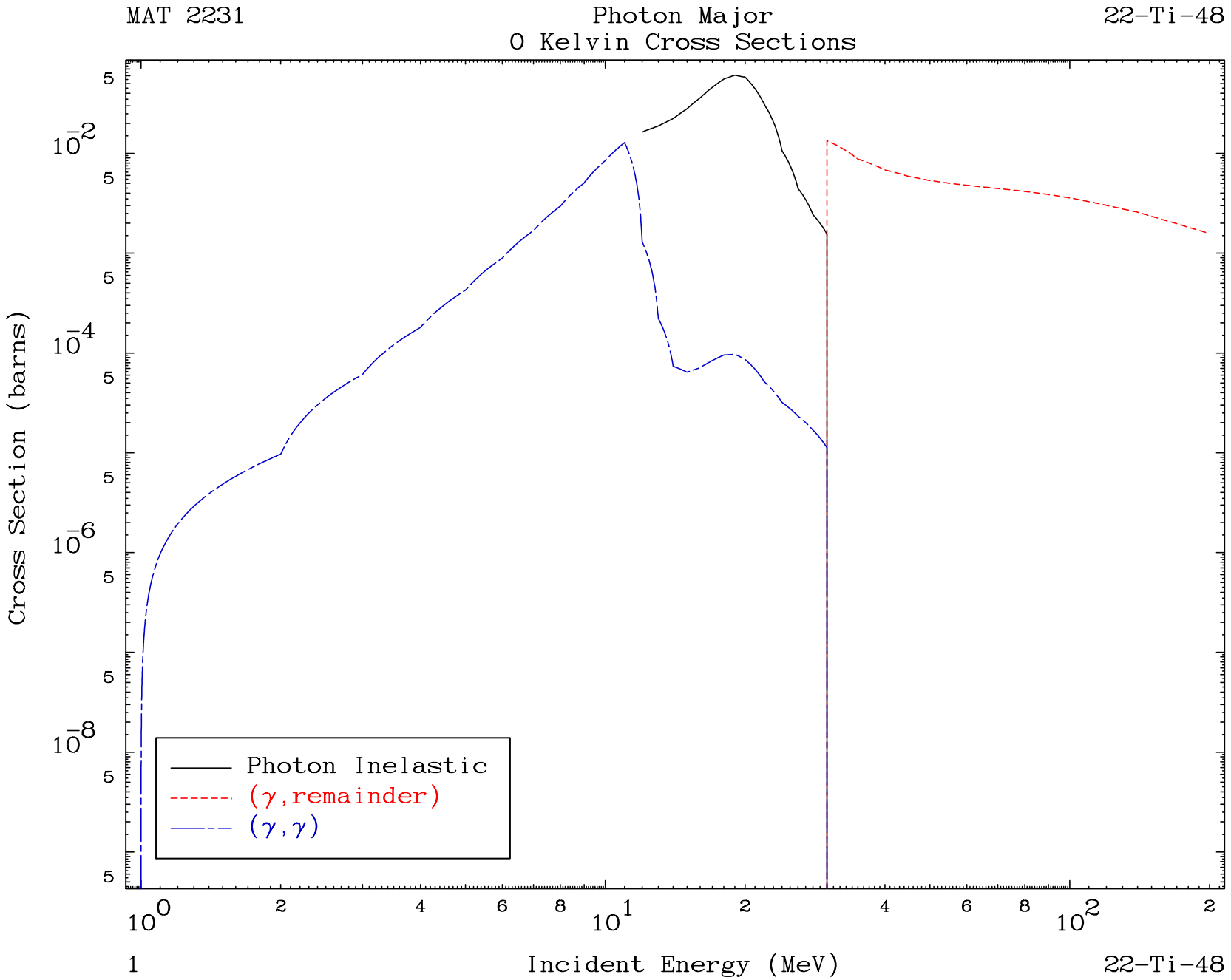
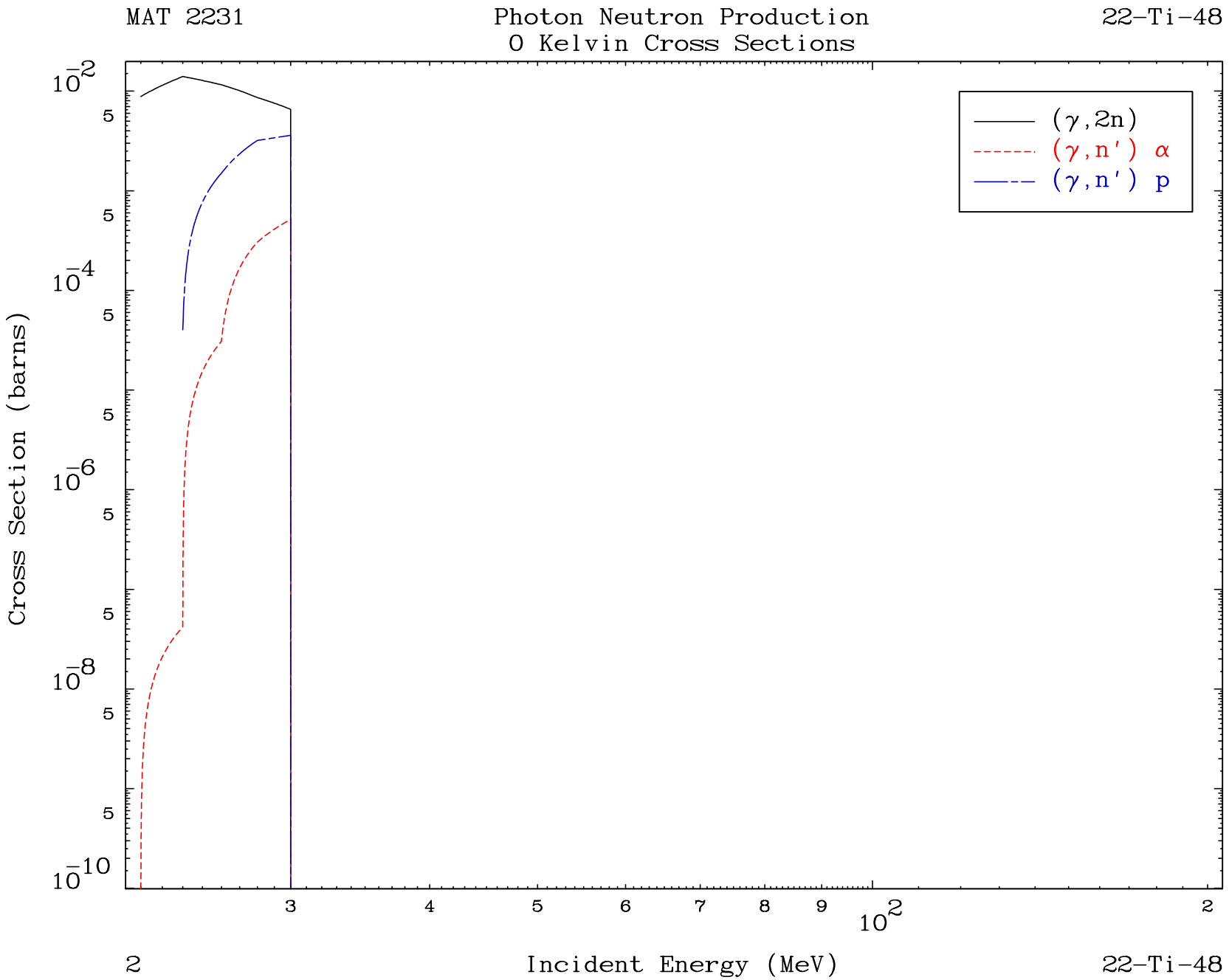
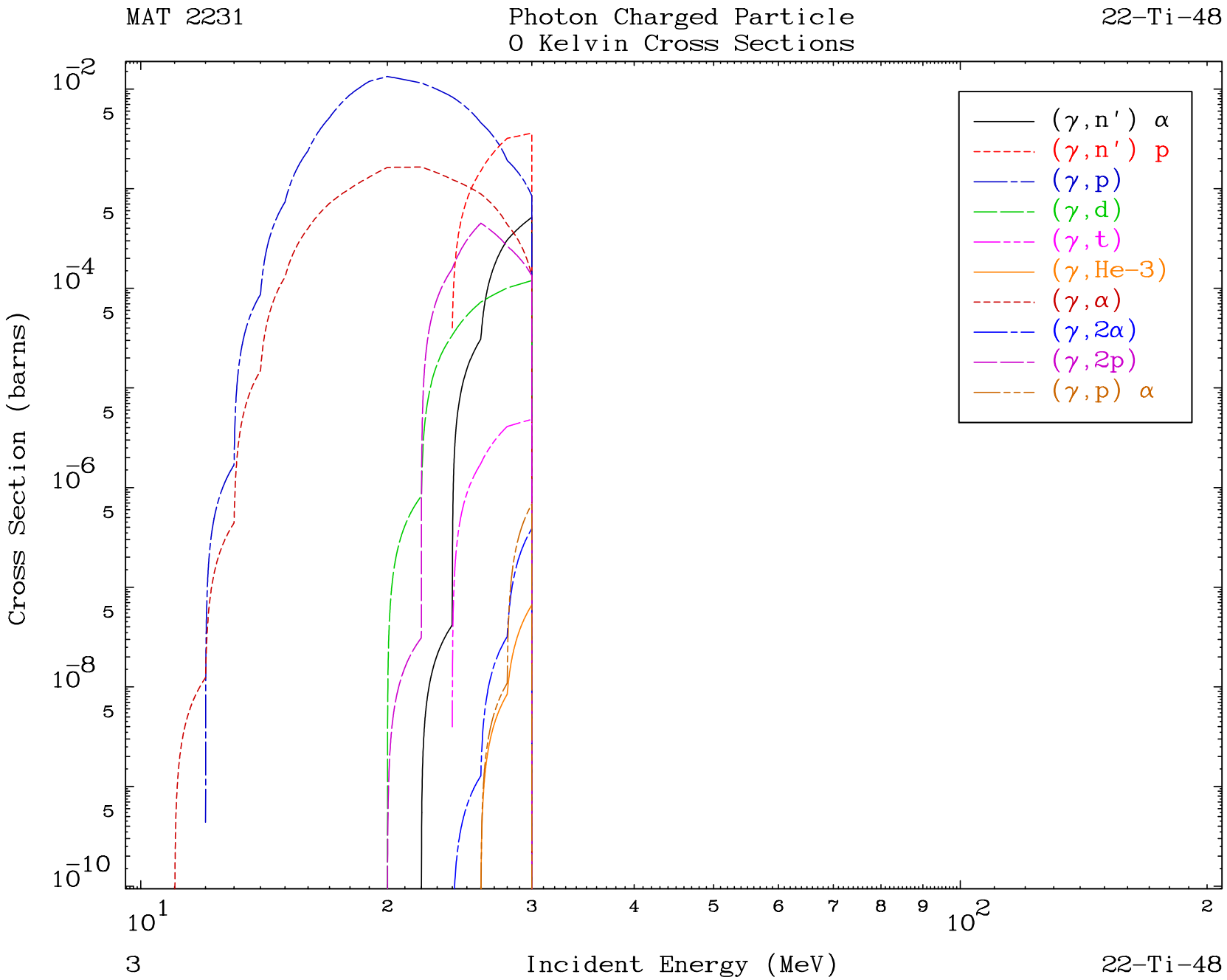
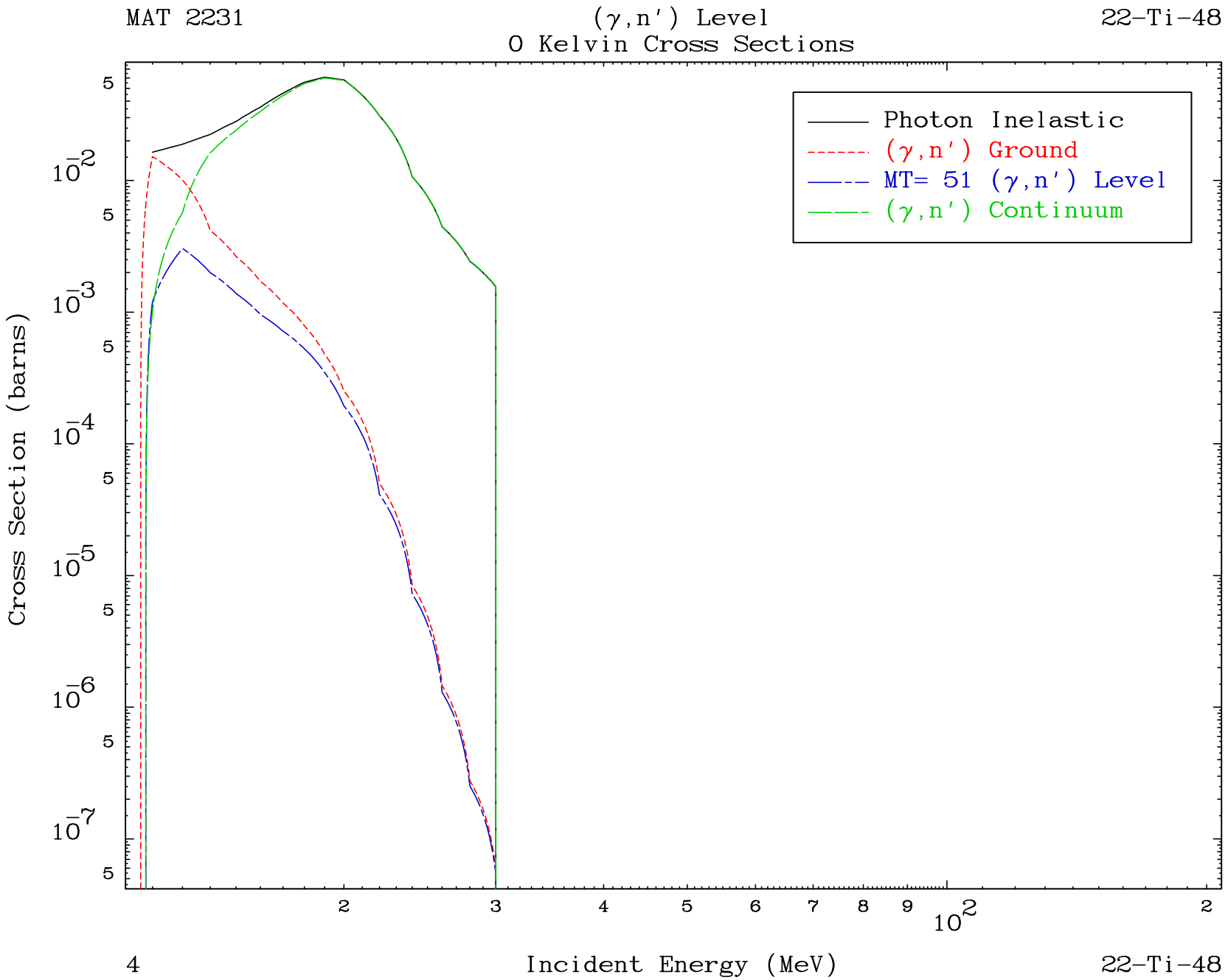
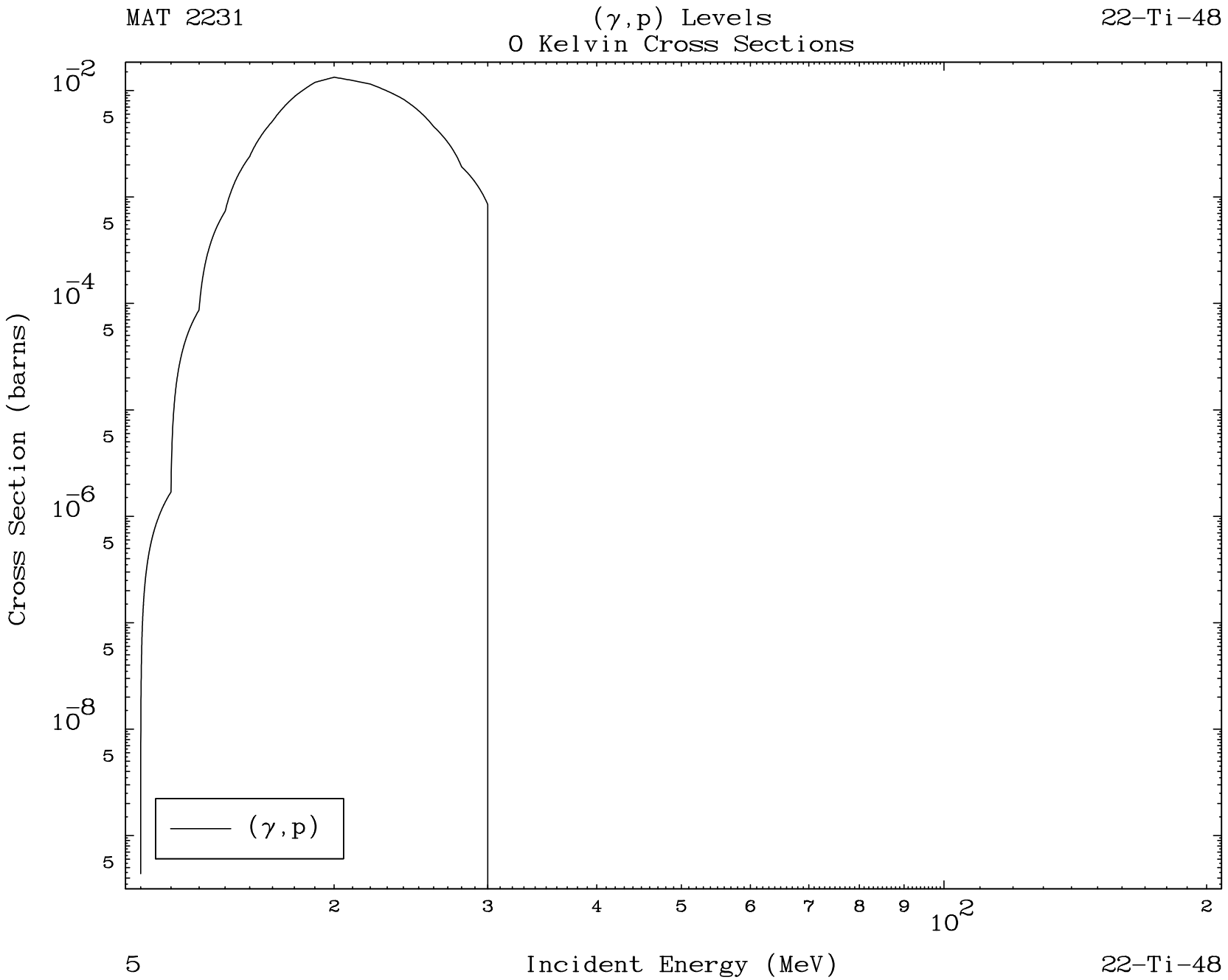
Press Mouse Button to Start

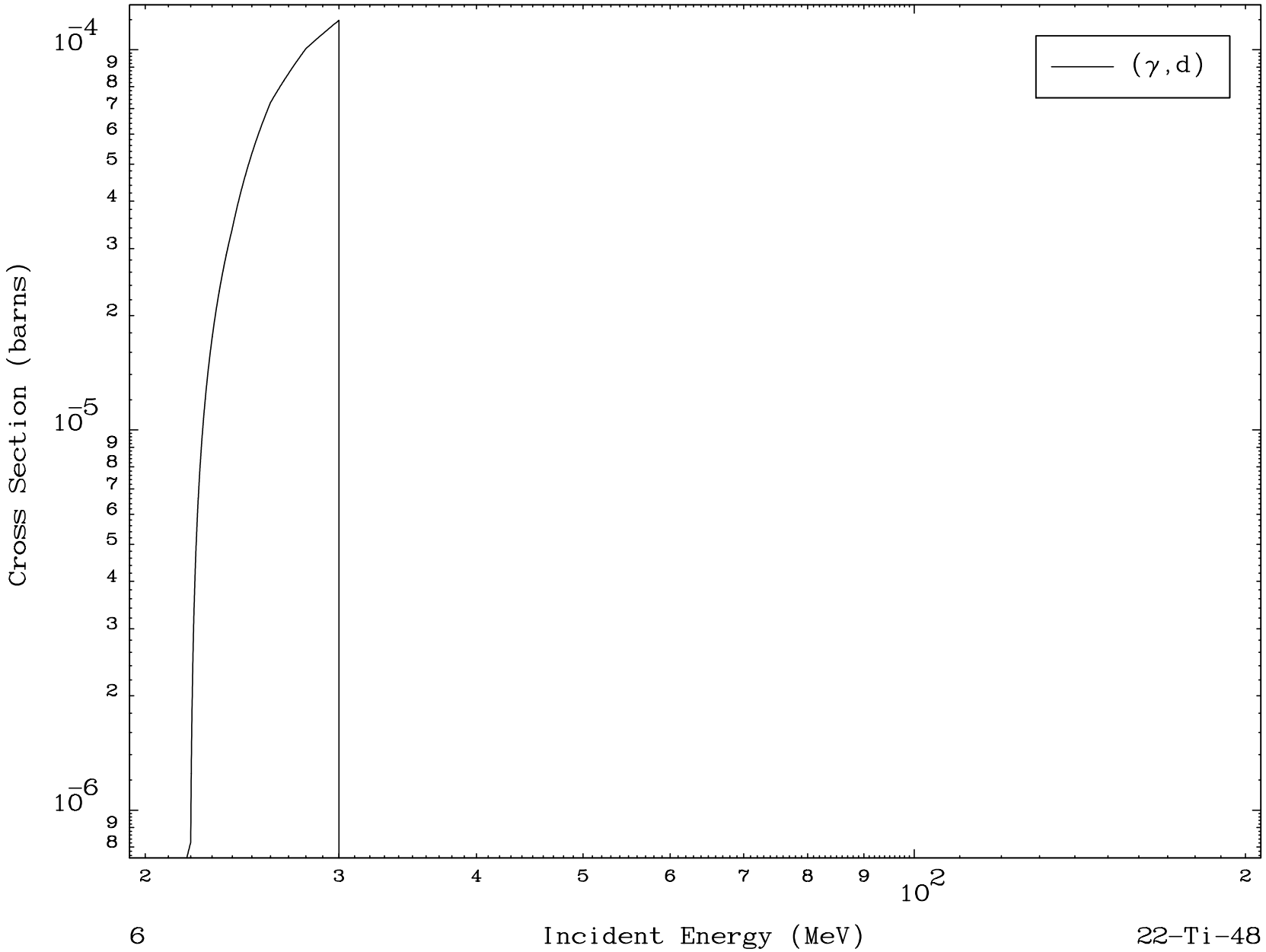

MAT 2231
Photon Major
22-Ti-48
0 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Photon Inelastic
(γ,remainder)
(γ,γ)
22-Ti-48

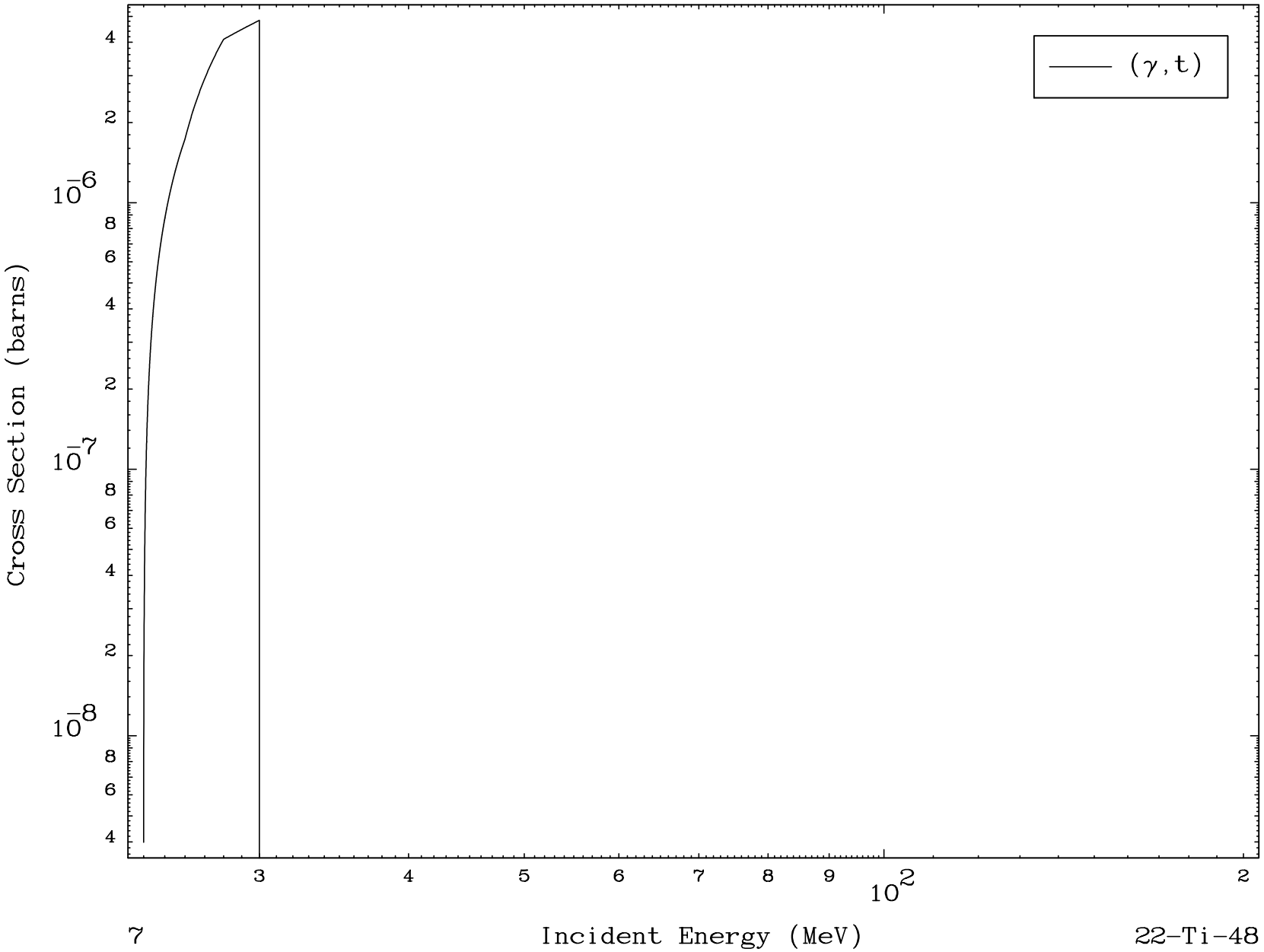

MAT 2231
Photon Neutron Production
0 Kelvin Cross Sections
22-Ti-48
(γ,2n)
(γ,n') α
(γ,n') p
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
2
Incident Energy (MeV)
22-Ti-48

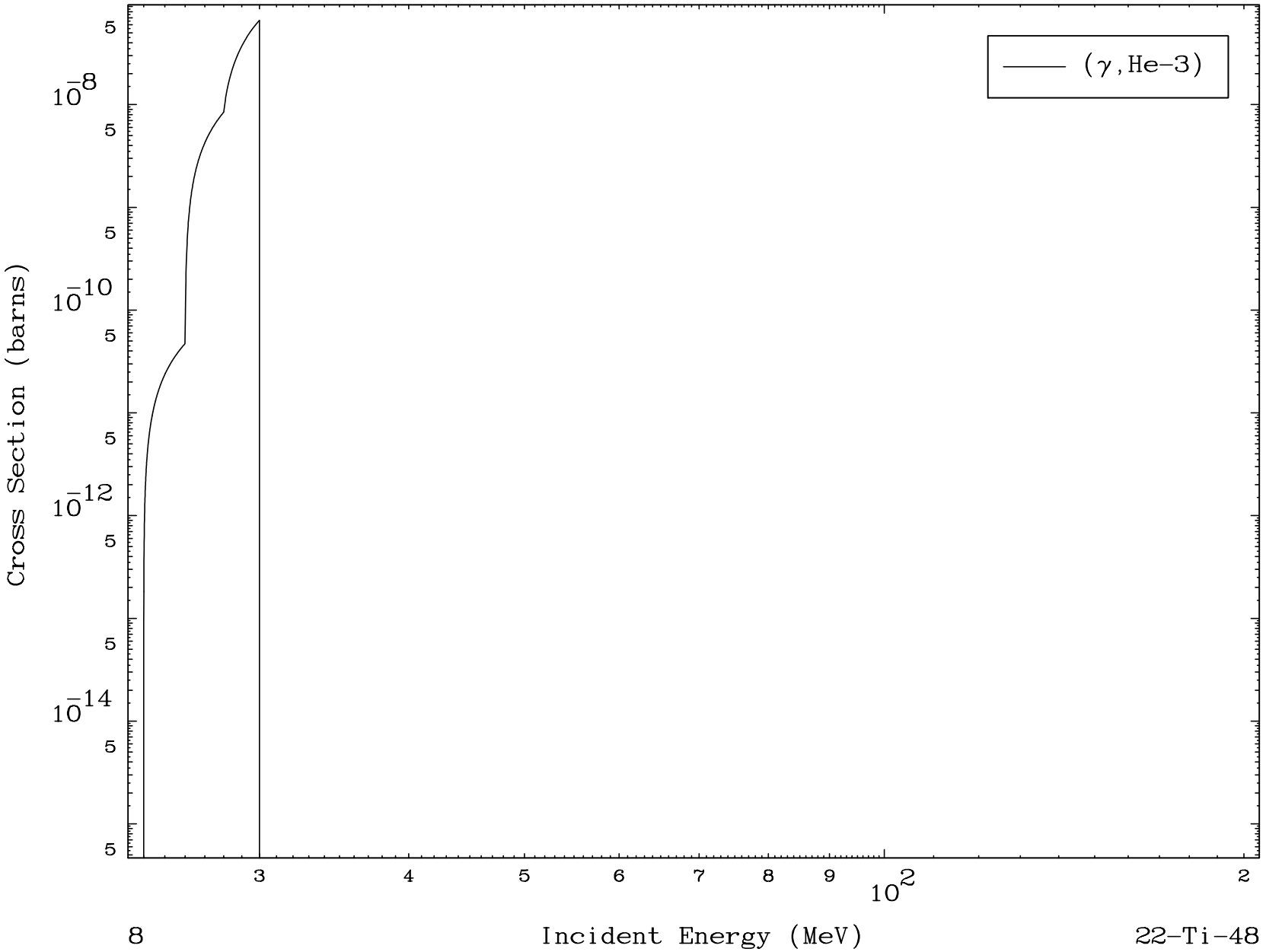

MAT 2231
Photon Charged Particle
0 Kelvin Cross Sections
22-Ti-48
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,n') p
(γ,p)
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
22-Ti-48
3

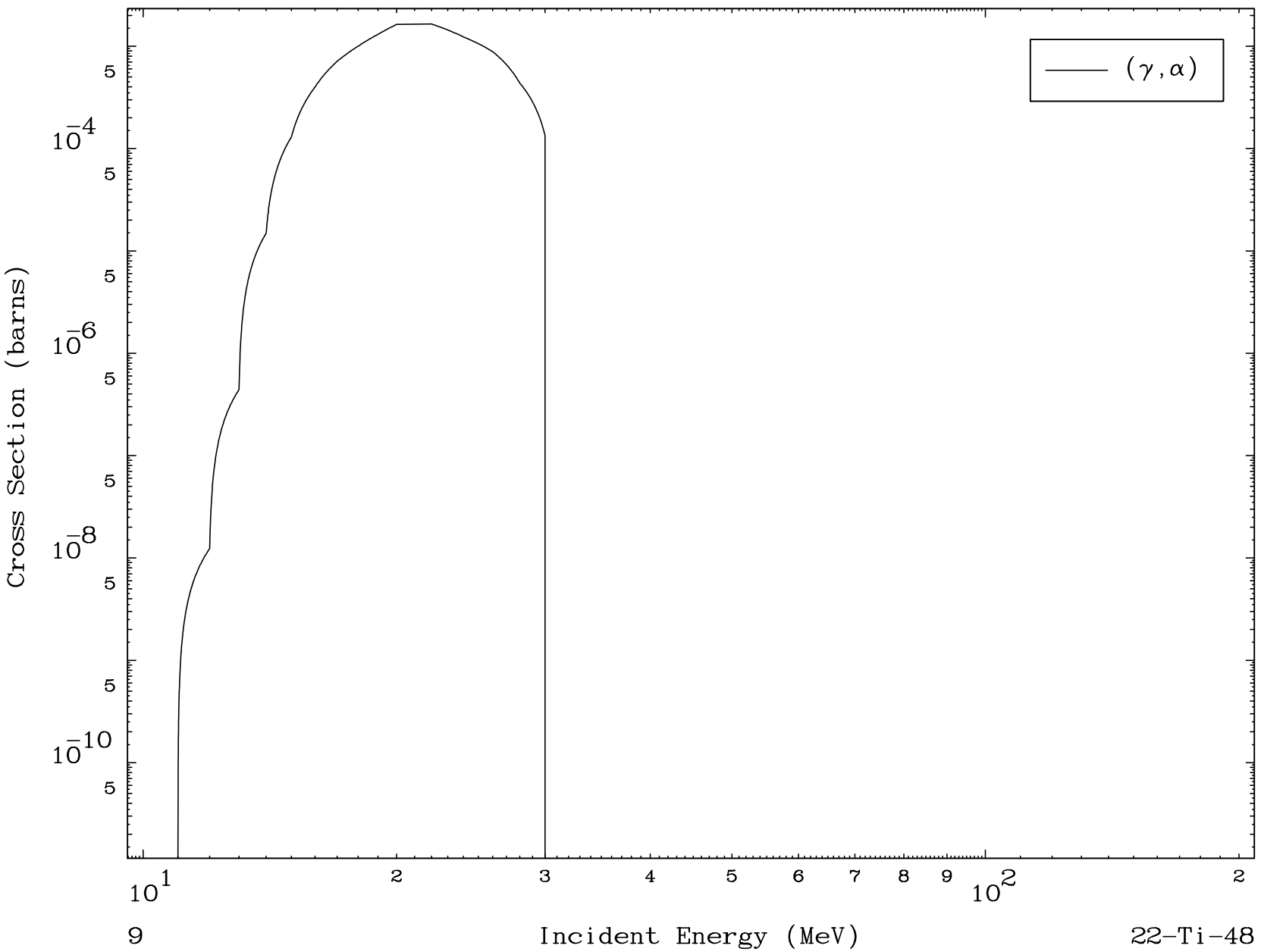

MAT 2231
(γ,n') Level
22-Ti-48
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
22-Ti-48

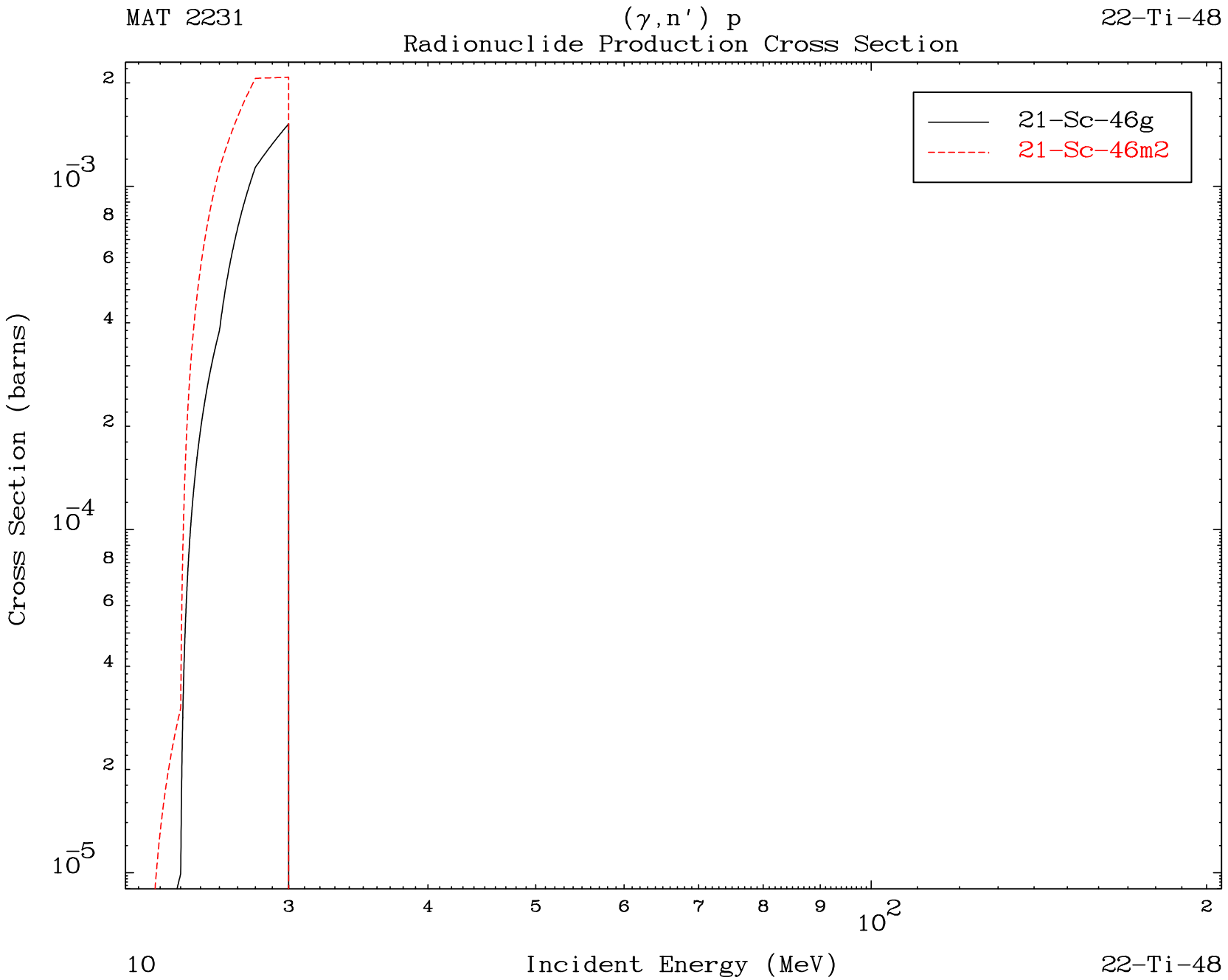

MAT 2231
(γ,p) Levels
22-Ti-48
0 Kelvin Cross Sections
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
(γ,p)
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
22-Ti-48

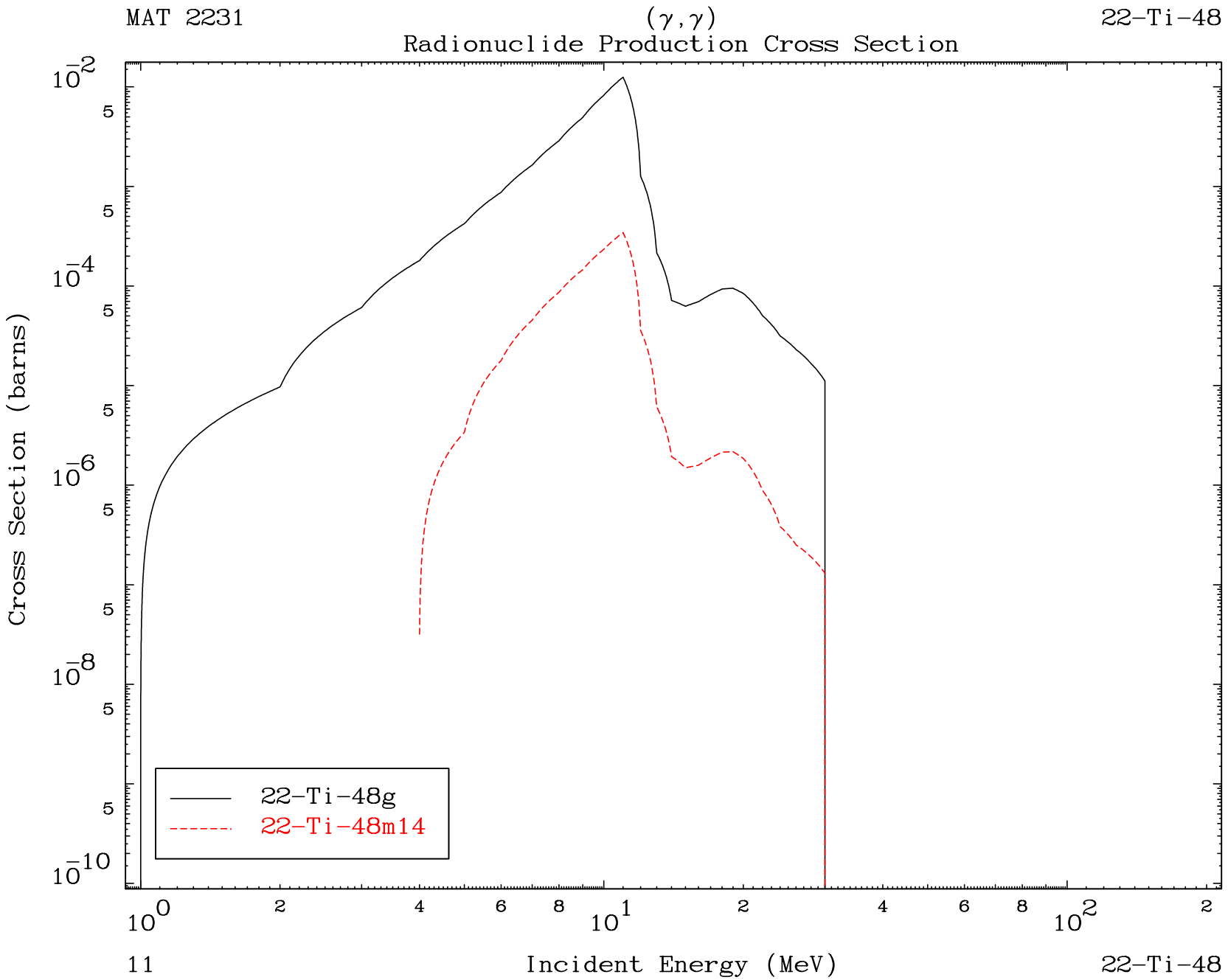

0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-4
10^-5
10^-6
9
8
7
6
5
4
3
2
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

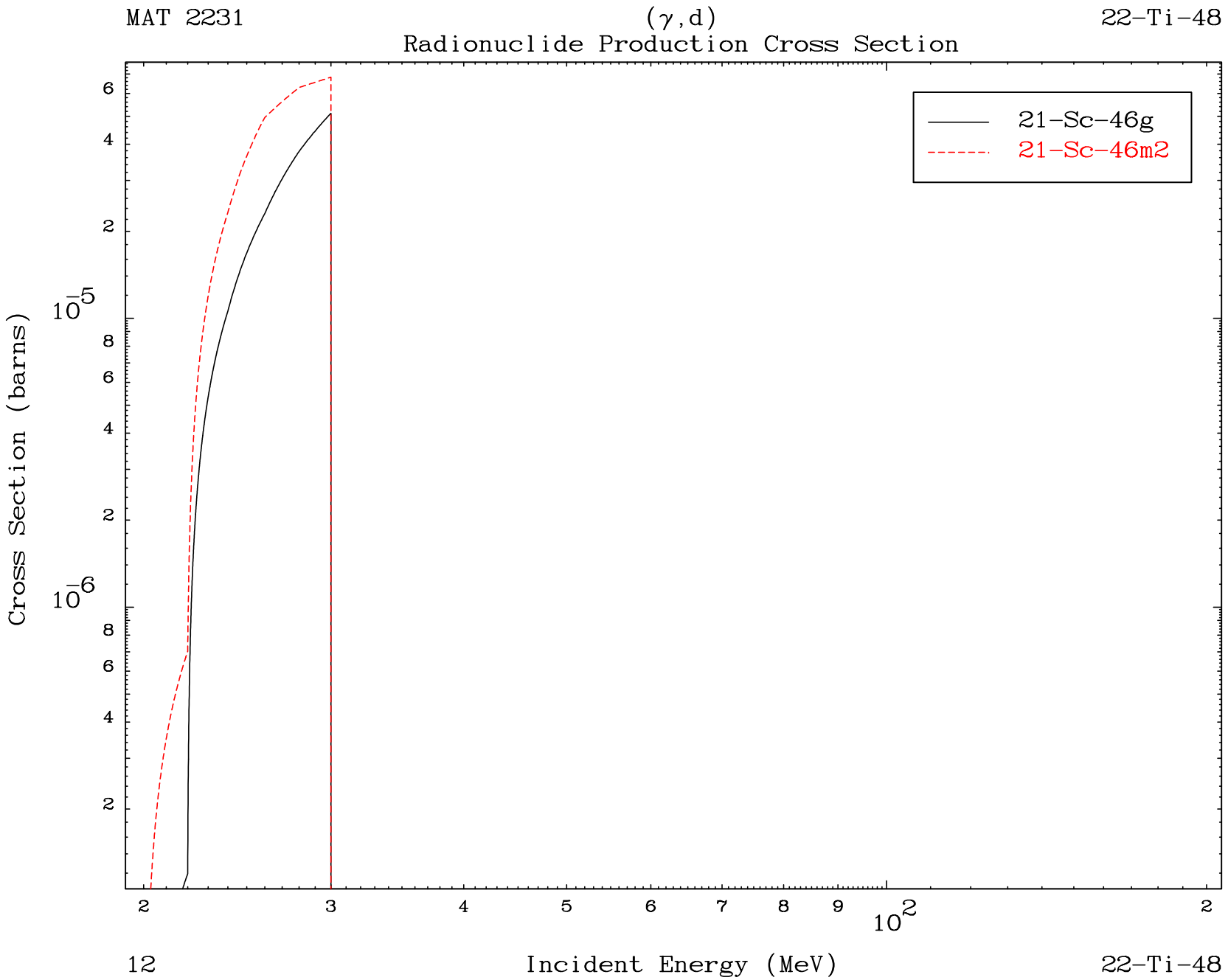

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-6
10^-7
10^-8
4
2
8
6
4
2
8
6
4
2
8
6
4
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

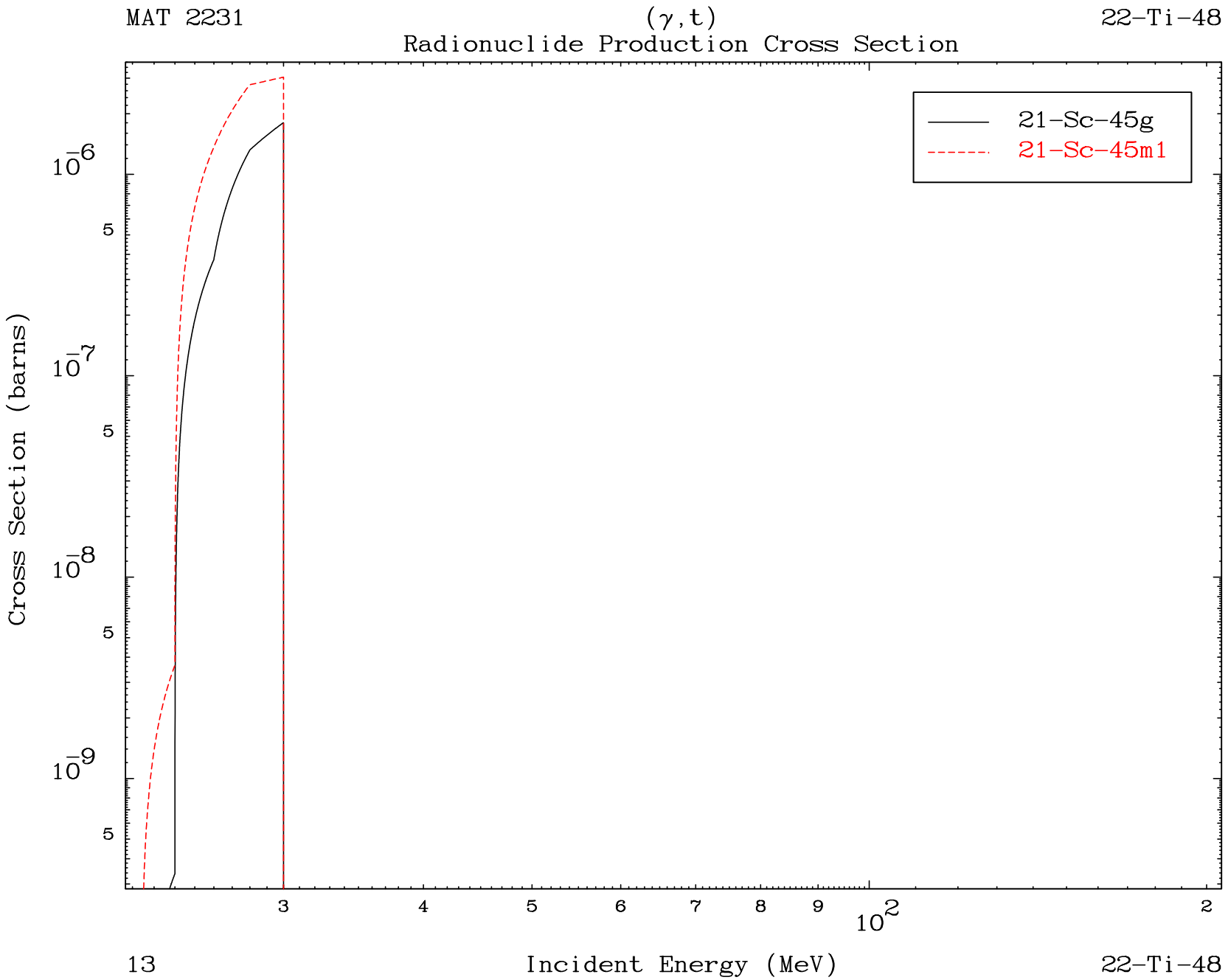

0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)


MAT 2231
(γ,n') p
22-Ti-48
Radionuclide Production Cross Section
21-Sc-46g
21-Sc-46m2
Cross Section (barns)
Incident Energy (MeV)
10
22-Ti-48


MAT 2231
(γ,γ)
22-Ti-48
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
5
100
2
4
6
8
101
102
22-Ti-48g
22-Ti-48m14
11
Incident Energy (MeV)
22-Ti-48


MAT 2231
(γ,d)
22-Ti-48
Radionuclide Production Cross Section
21-Sc-46g
21-Sc-46m2
Cross Section (barns)
10^-5
10^-6
6
4
2
8
6
4
2
8
6
4
2
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
22-Ti-48


MAT 2231
(γ,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