Program EVALPLOT
(Version 2018-1)
by
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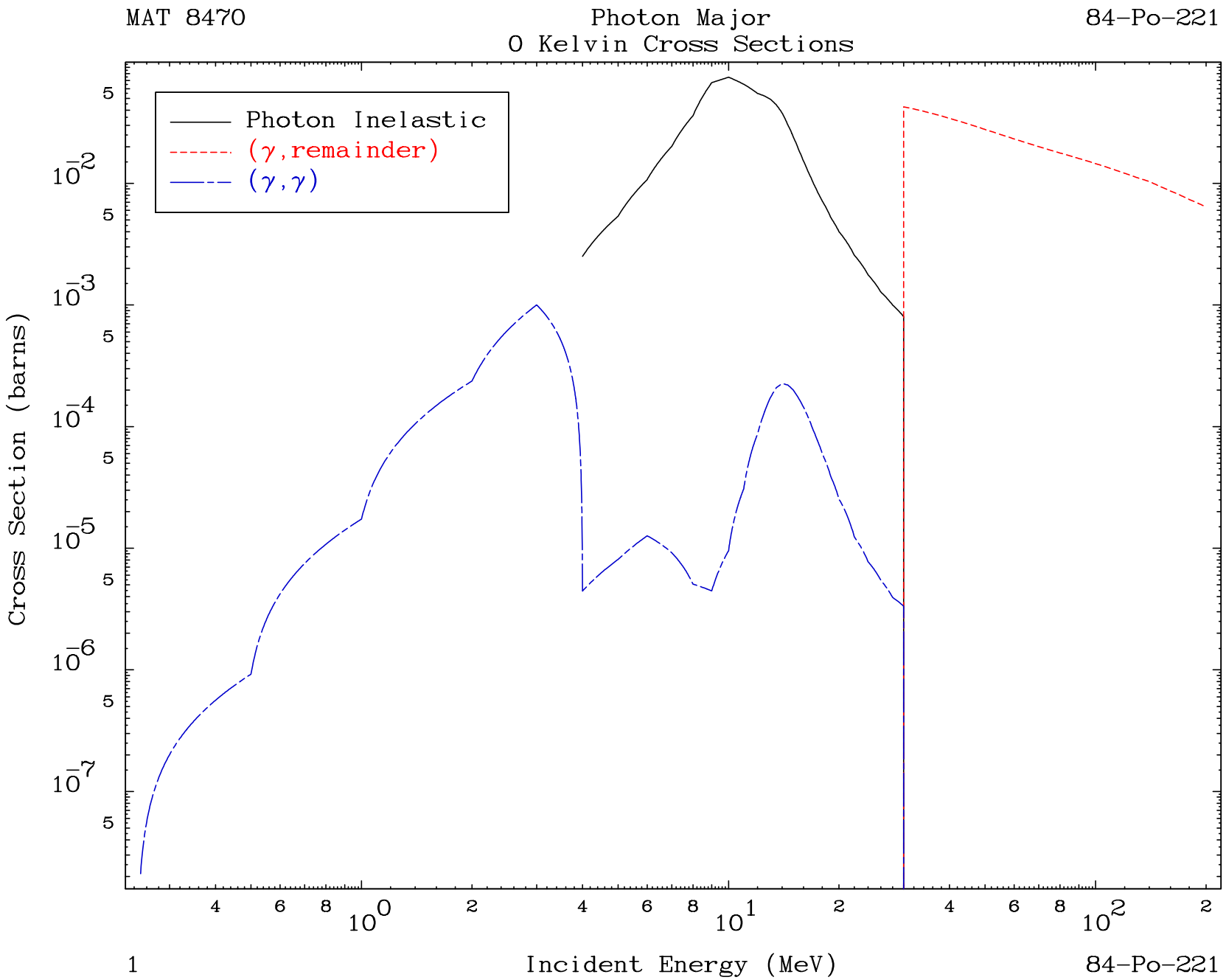
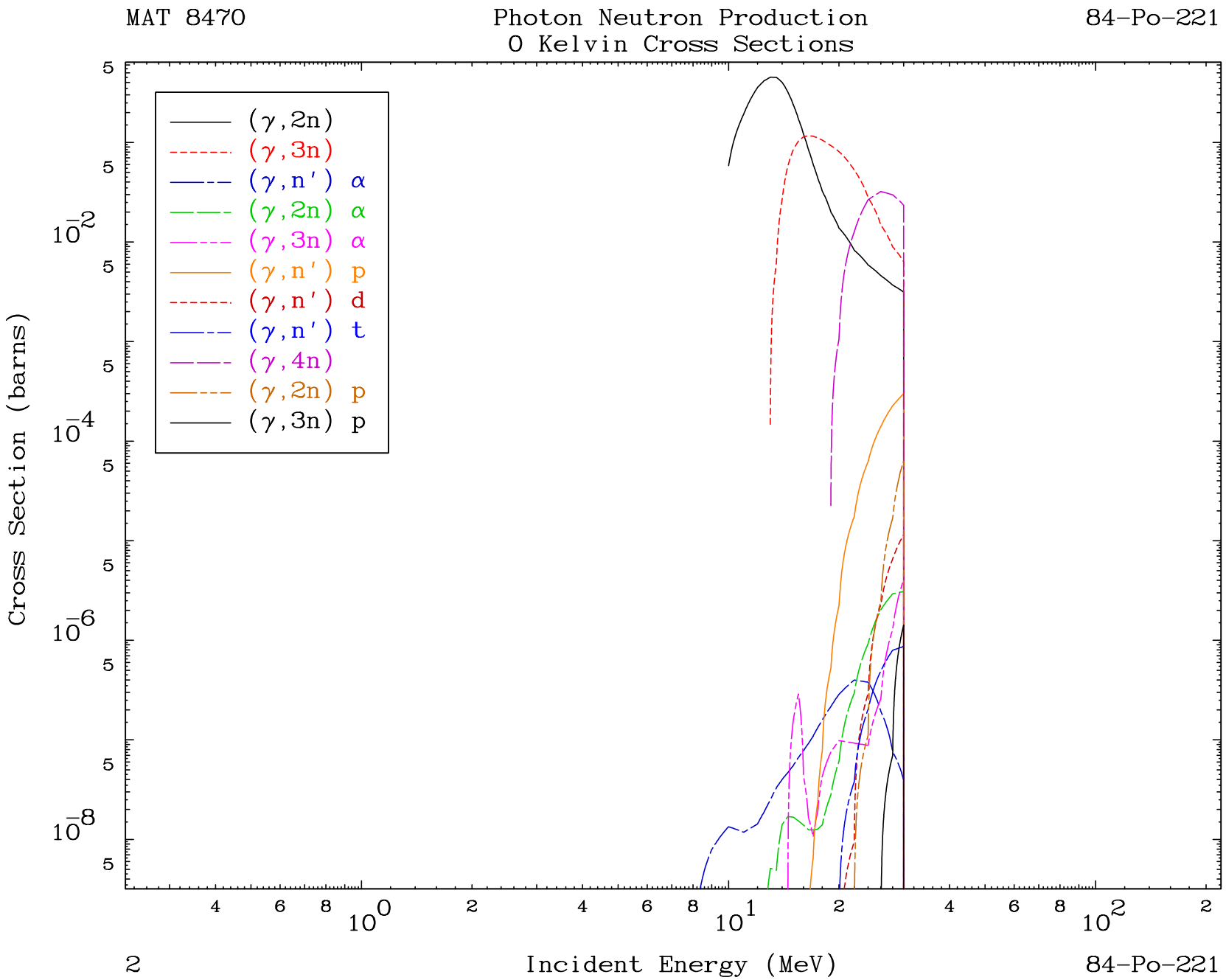
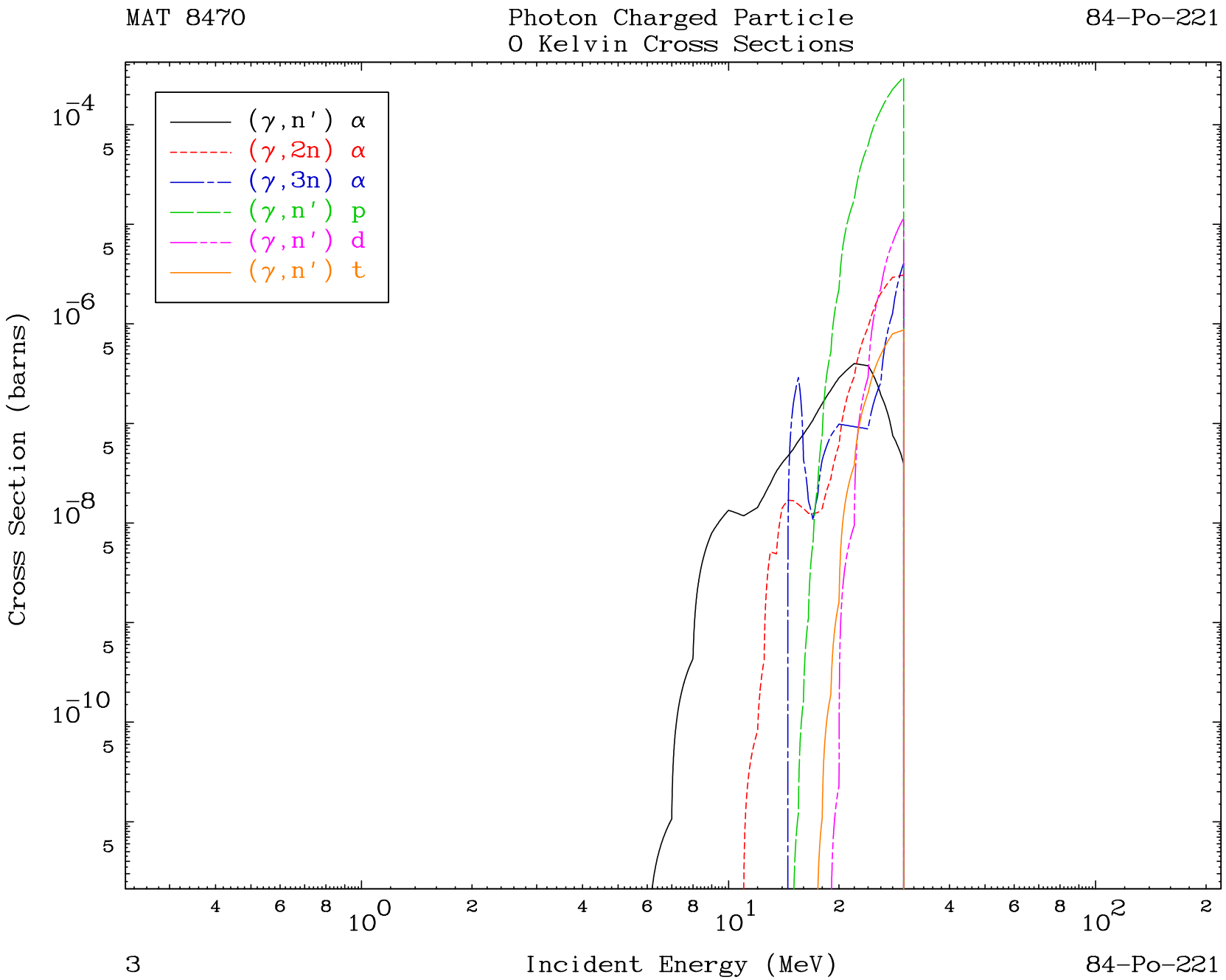
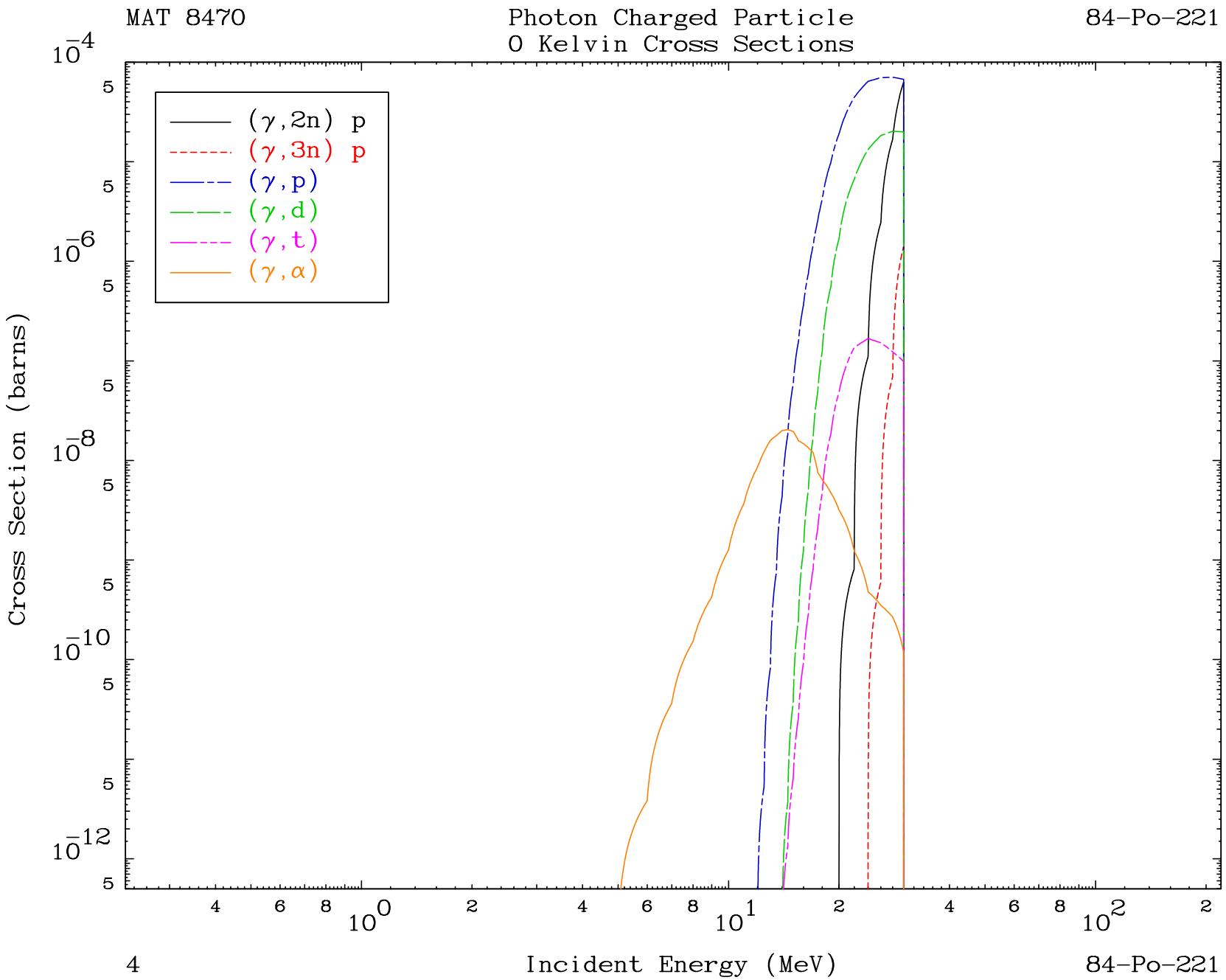
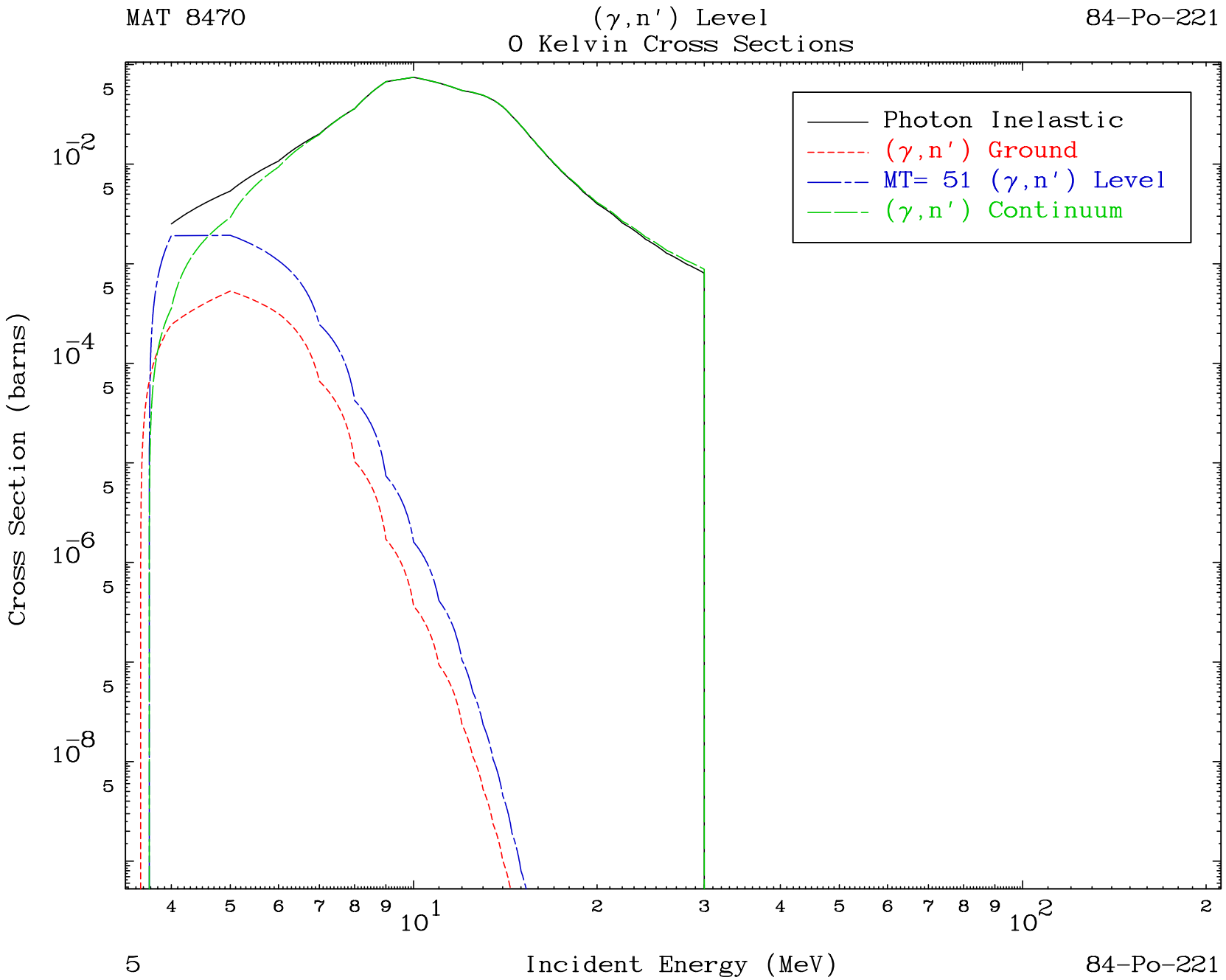
Press Mouse Button to Start

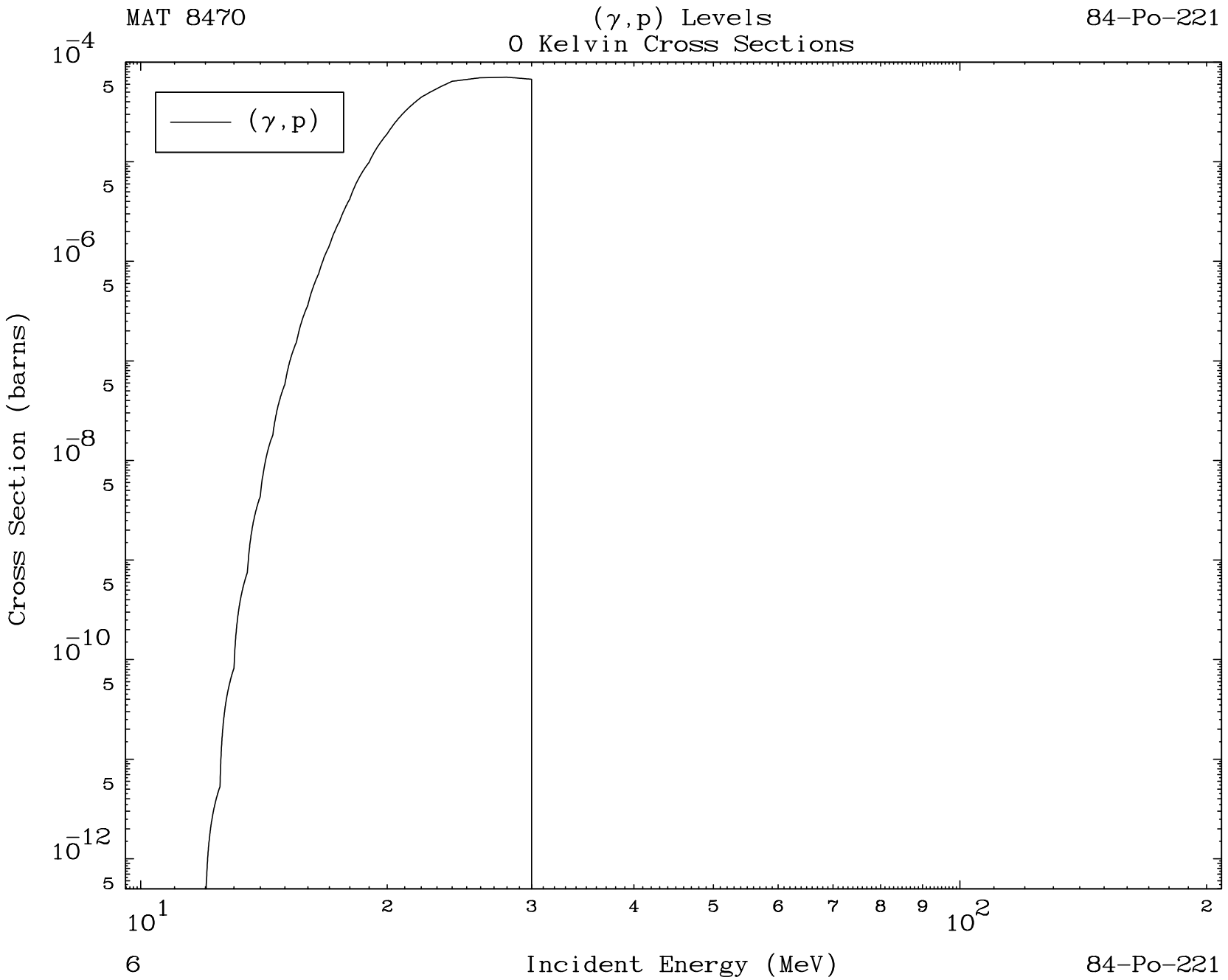

MAT 8470
Photon Major
84-Po-221
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
84-Po-221
1

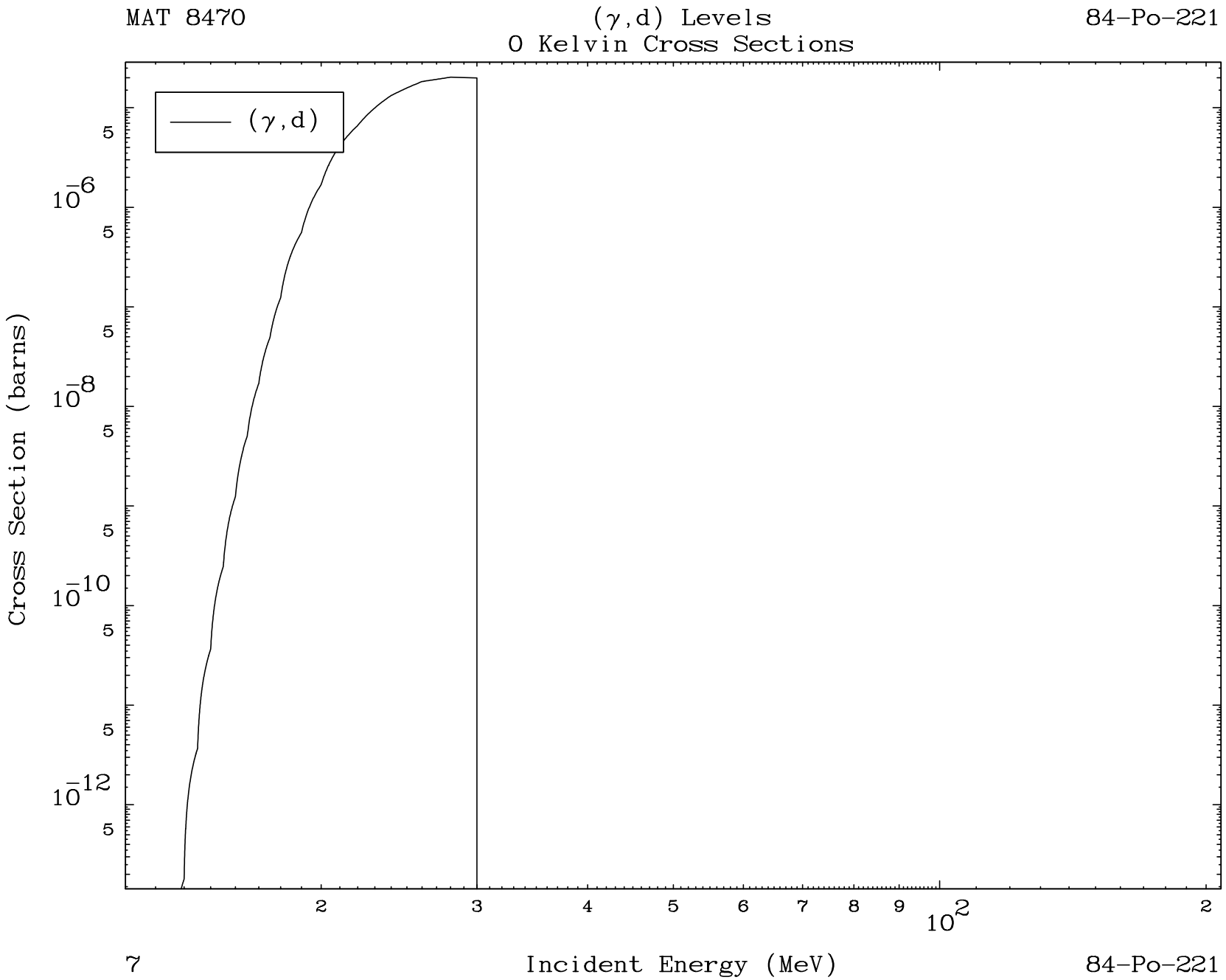

MAT 8470
Photon Neutron Production
0 Kelvin Cross Sections
84-Po-221
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p
(γ,3n) p
Cross Section (barns)
Incident Energy (MeV)
84-Po-221

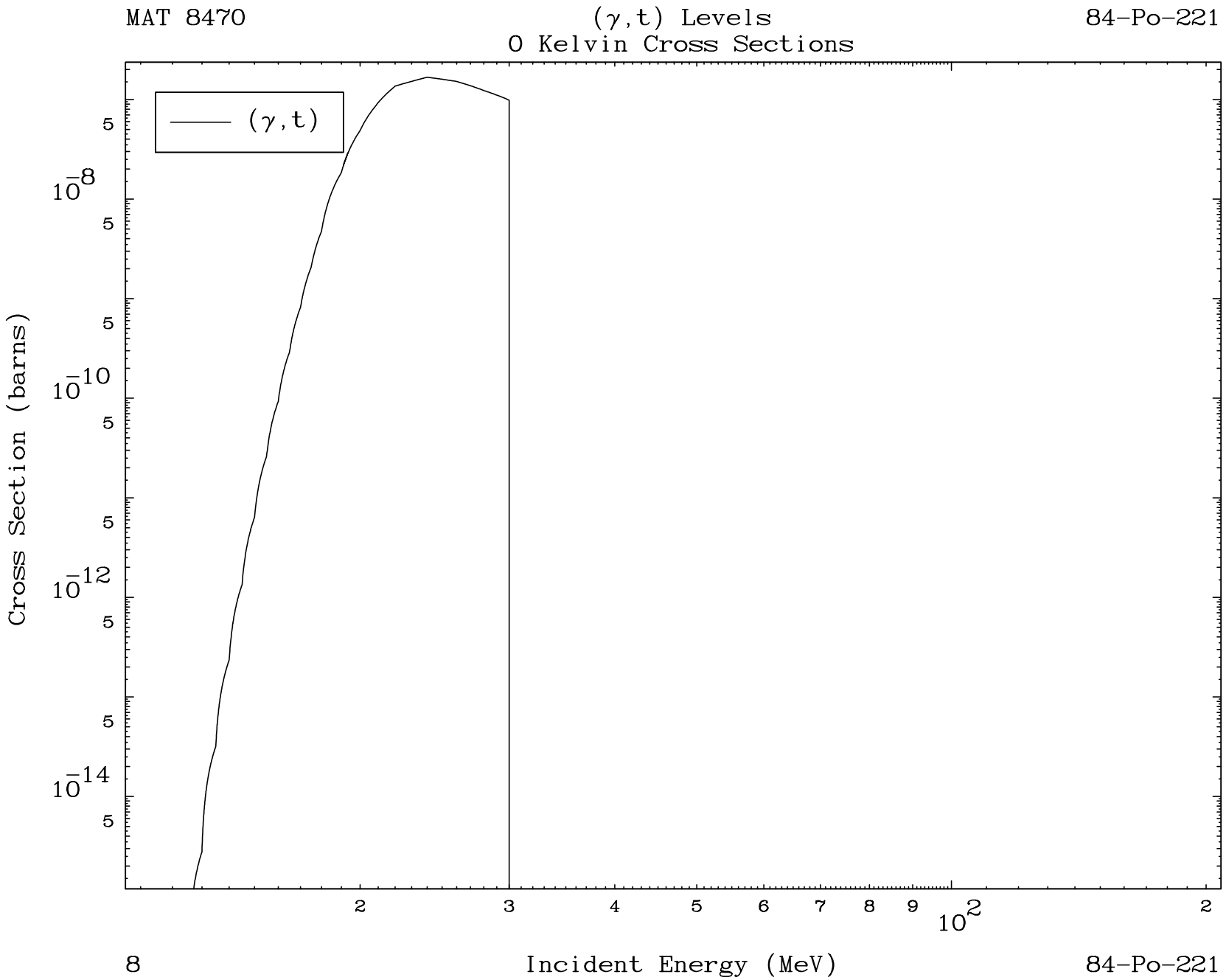

MAT 8470
Photon Charged Particle
0 Kelvin Cross Sections
84-Po-221
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
3
84-Po-221

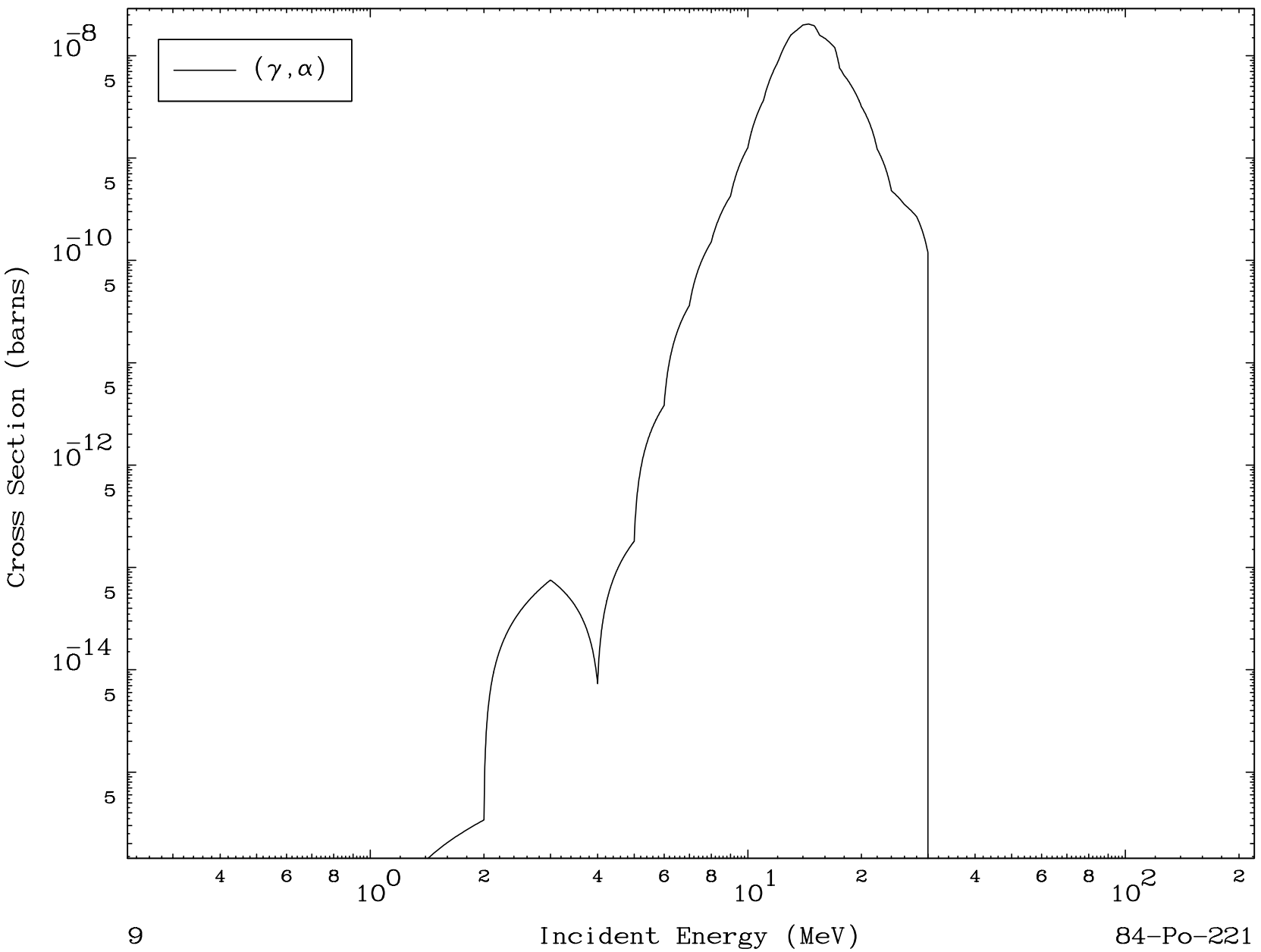

MAT 8470
Photon Charged Particle
0 Kelvin Cross Sections
84-Po-221
(γ,2n) p
(γ,3n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
84-Po-221
4

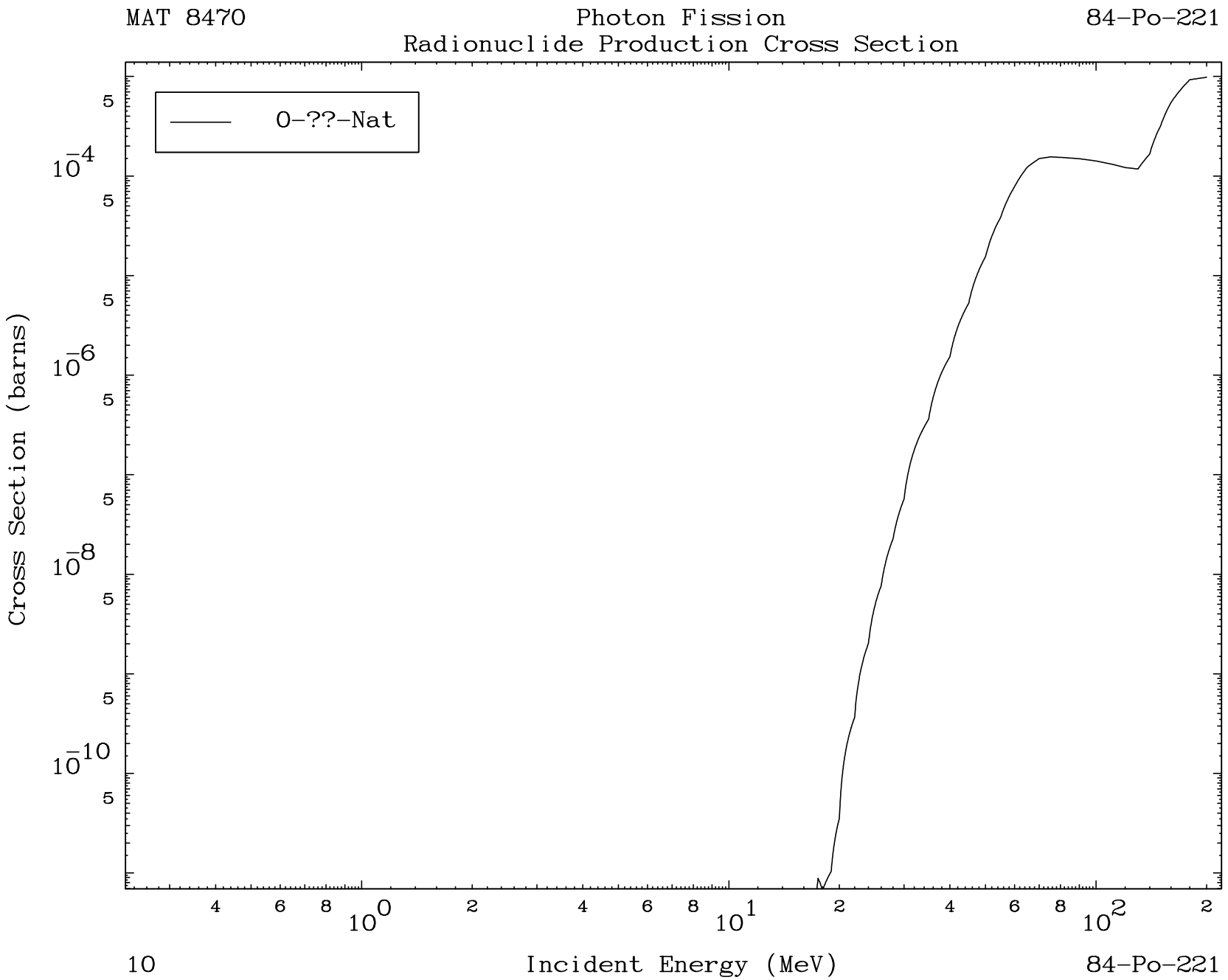

MAT 8470
(γ,n') Level
84-Po-221
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
5
Incident Energy (MeV)
84-Po-221


MAT 8470
(γ,p) Levels
84-Po-221
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
Incident Energy (MeV)
84-Po-221
6


MAT 8470
(γ,d) Levels
84-Po-221
0 Kelvin Cross Sections
(γ,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)
84-Po-221


MAT 8470
(γ,t) Levels
84-Po-221
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
8
Incident Energy (MeV)
84-Po-221


0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10-8
5
10-10
5
10-12
5
10-14
5
4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)


MAT 8470
Photon Fission
84-Po-221
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
84-Po-221