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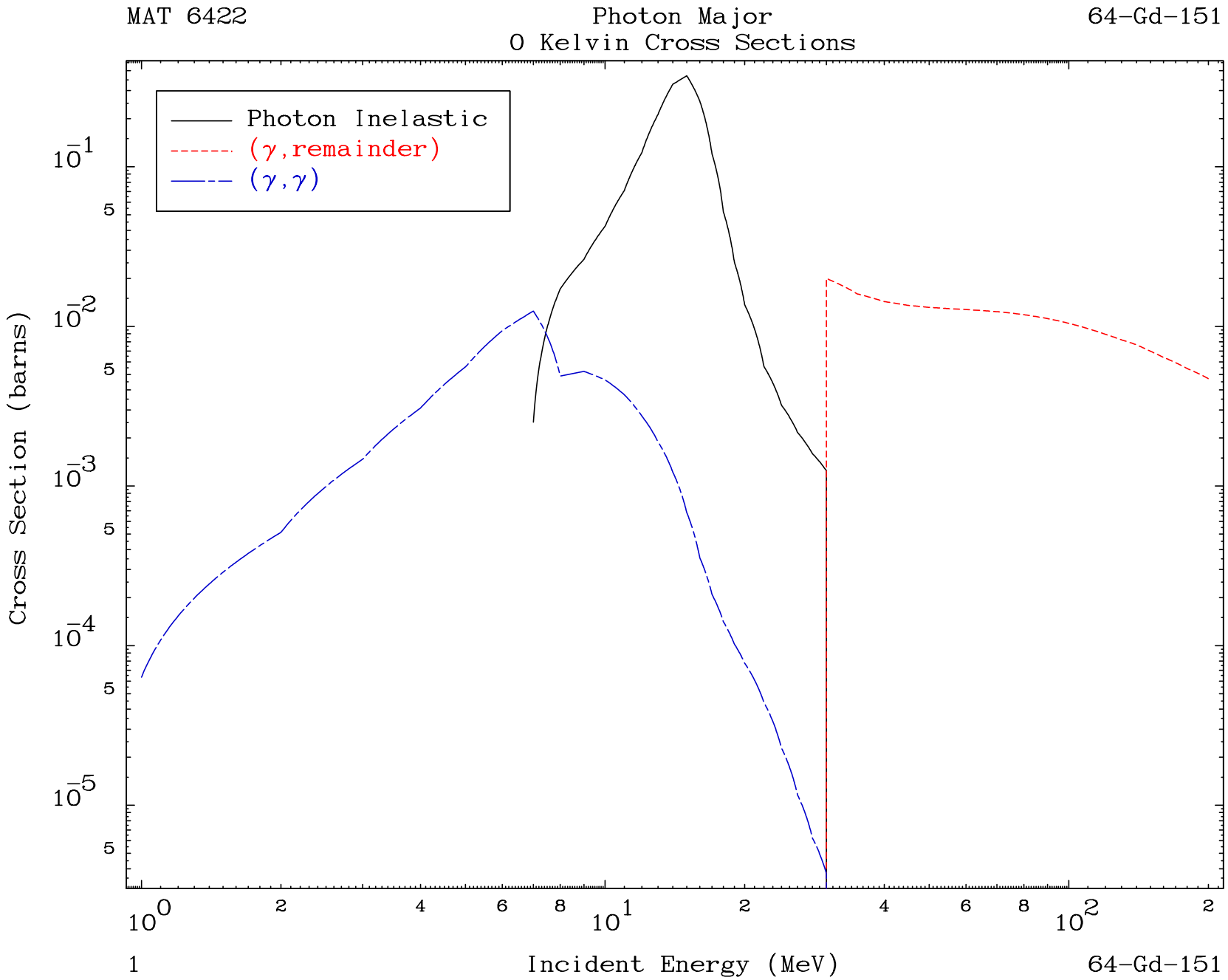
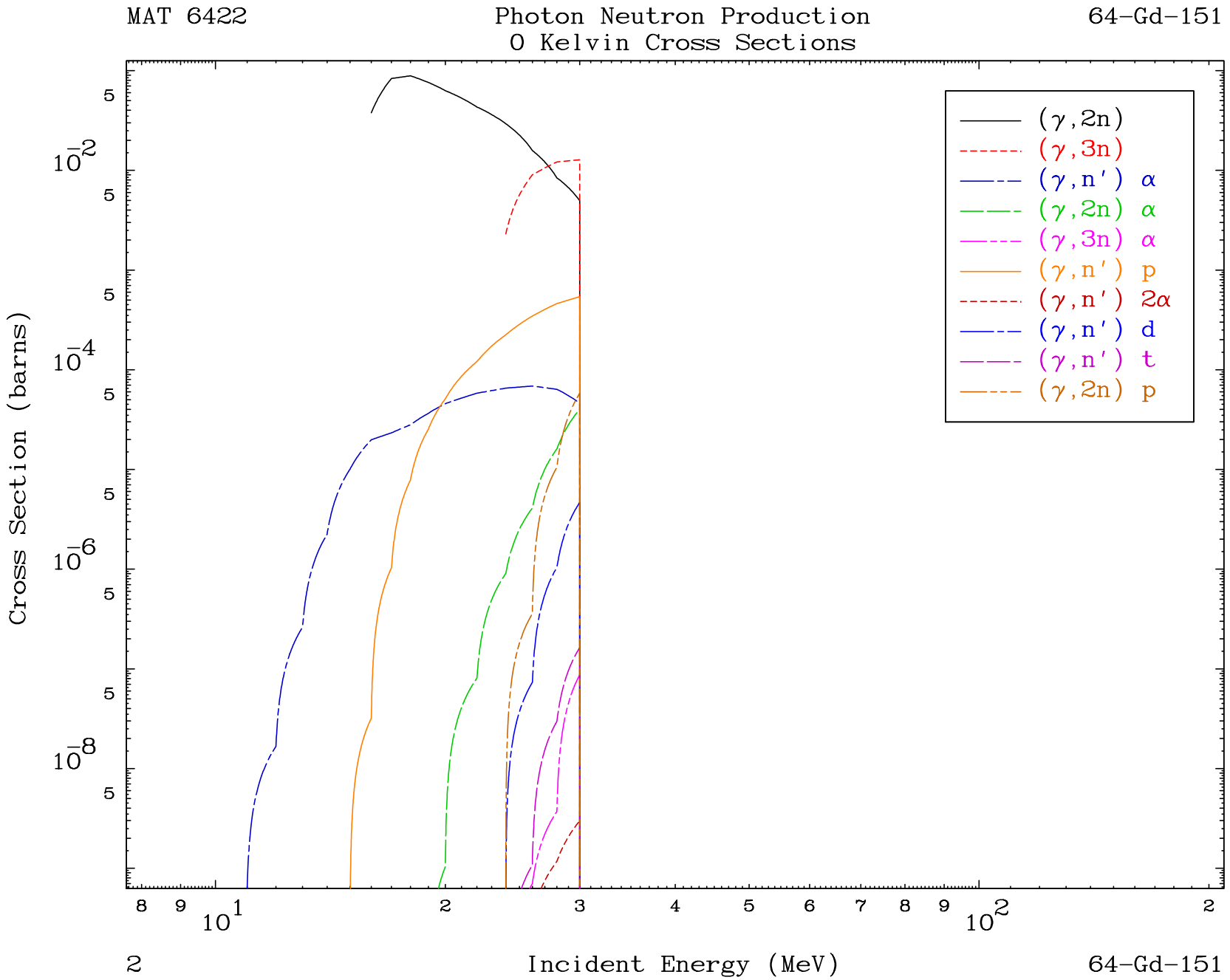
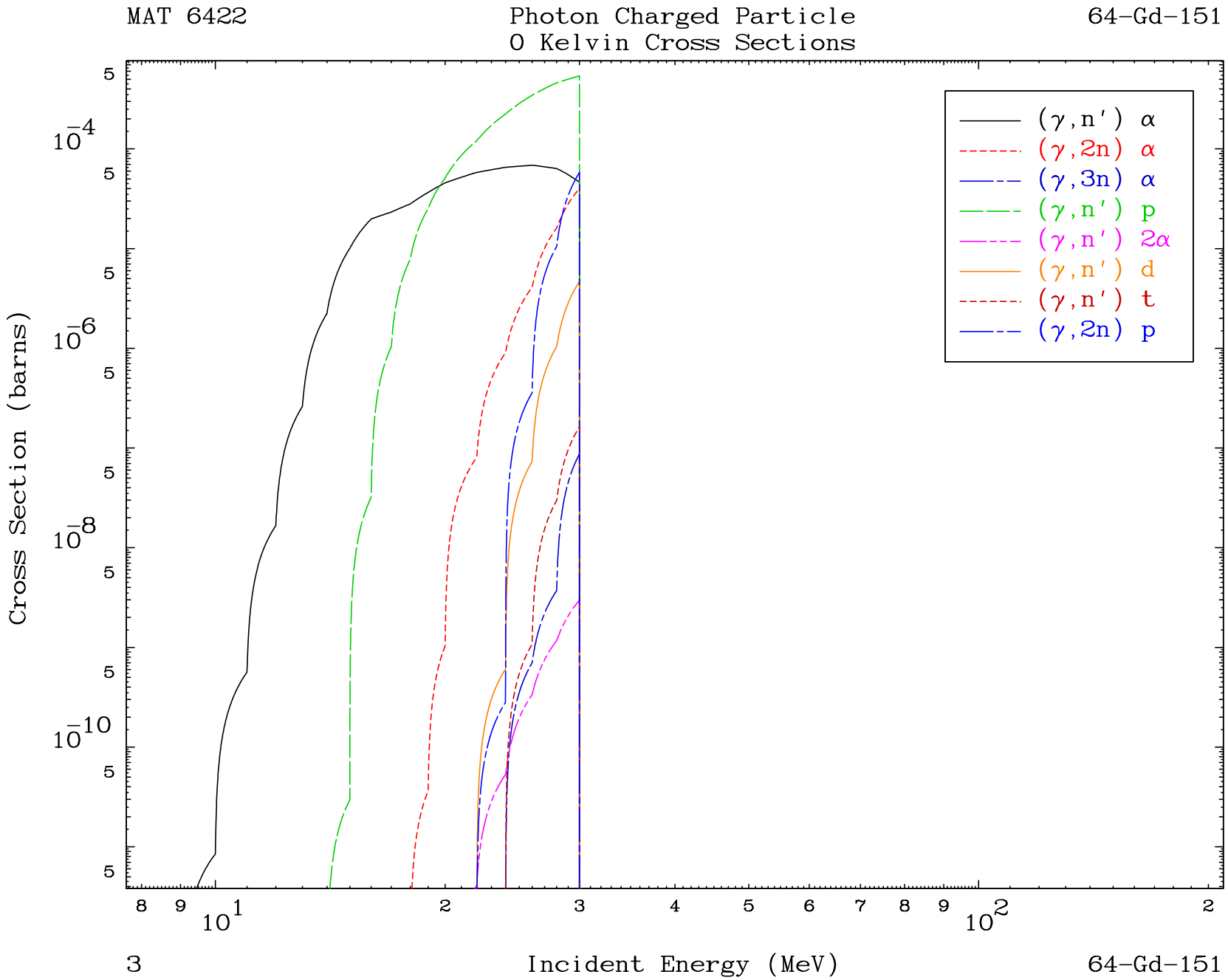
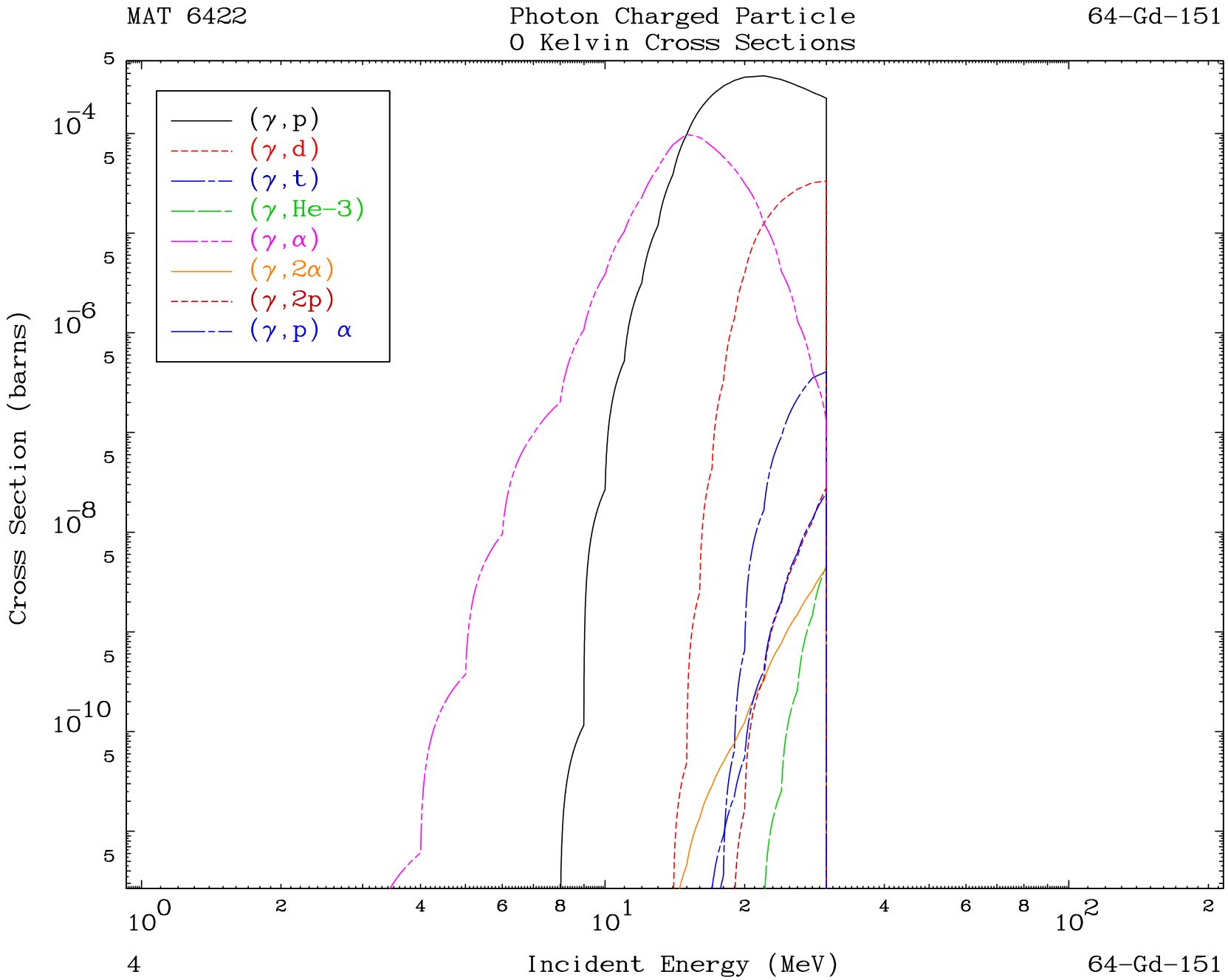
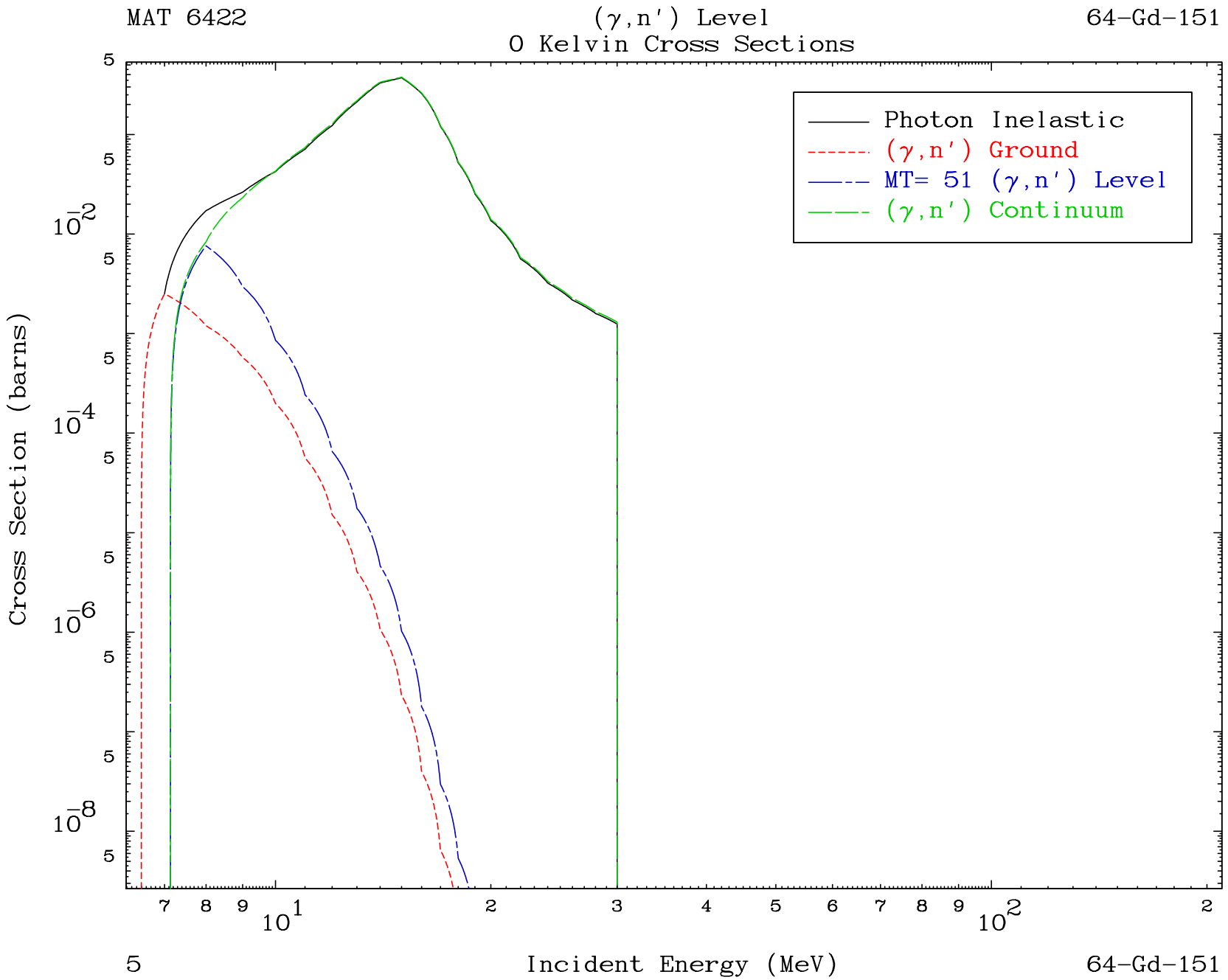
Press Mouse Button to Start

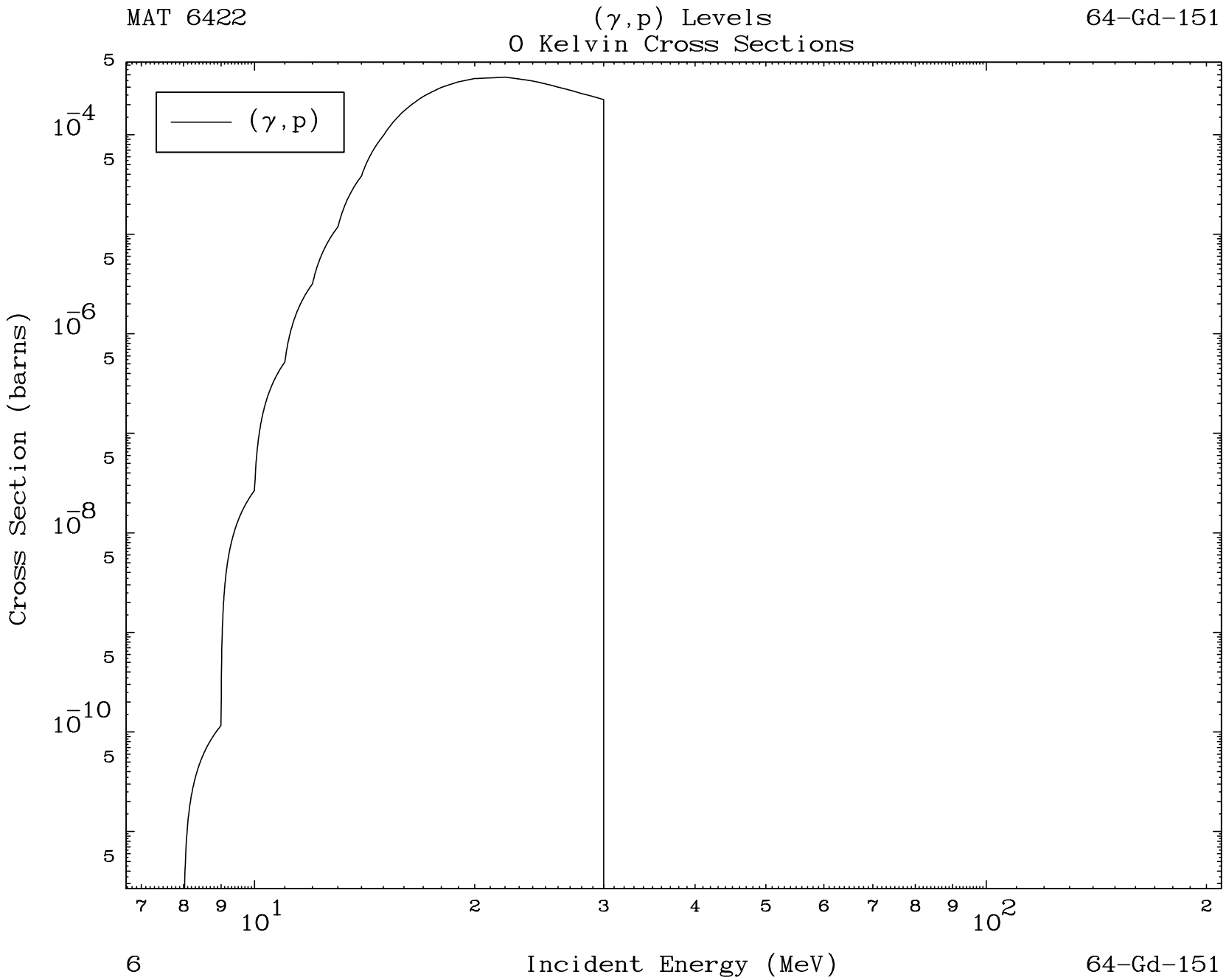

MAT 6422
Photon Major
64-Gd-151
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-151

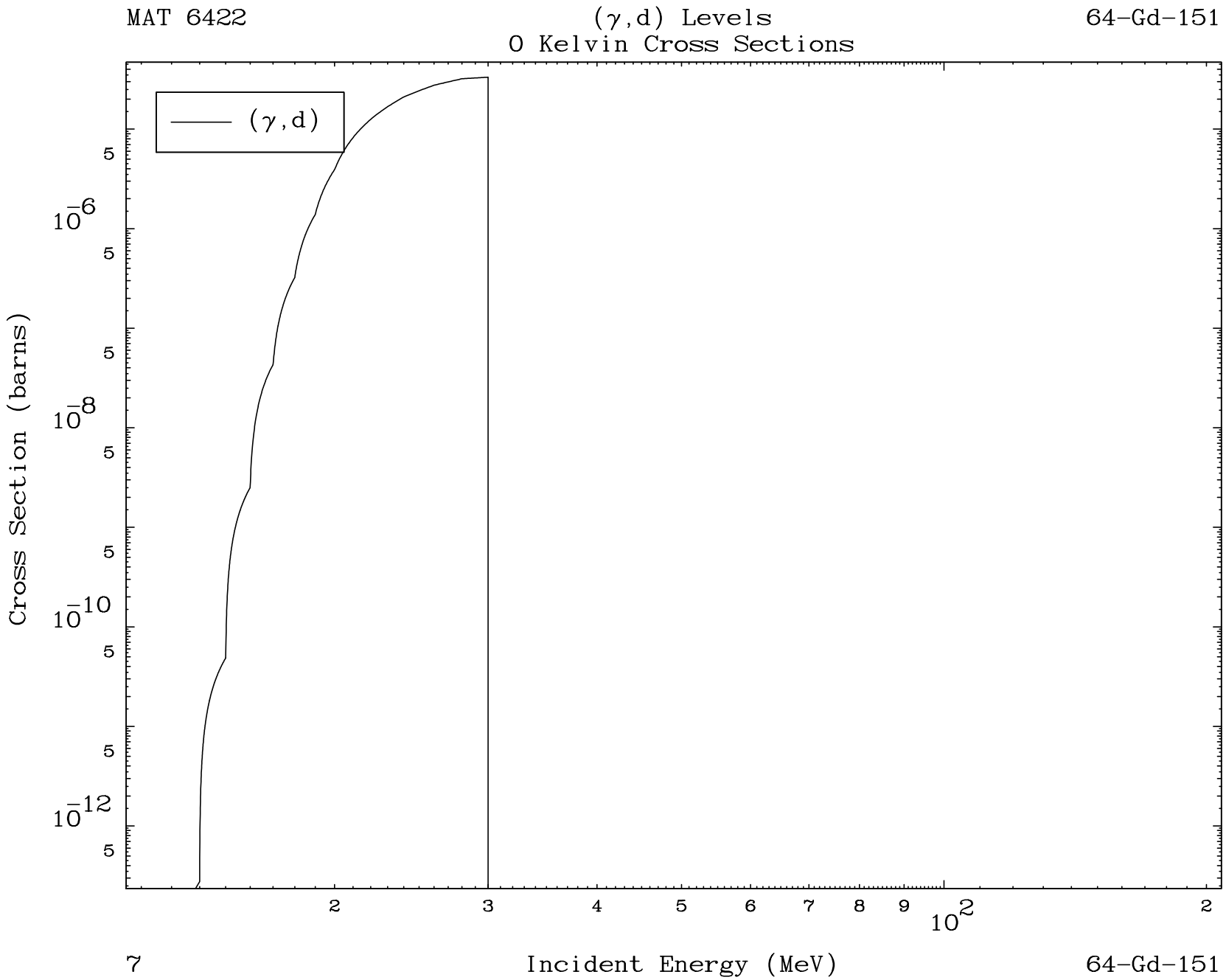

MAT 6422
Photon Neutron Production
0 Kelvin Cross Sections
64-Gd-151
Cross Section (barns)
Incident Energy (MeV)
64-Gd-151
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p

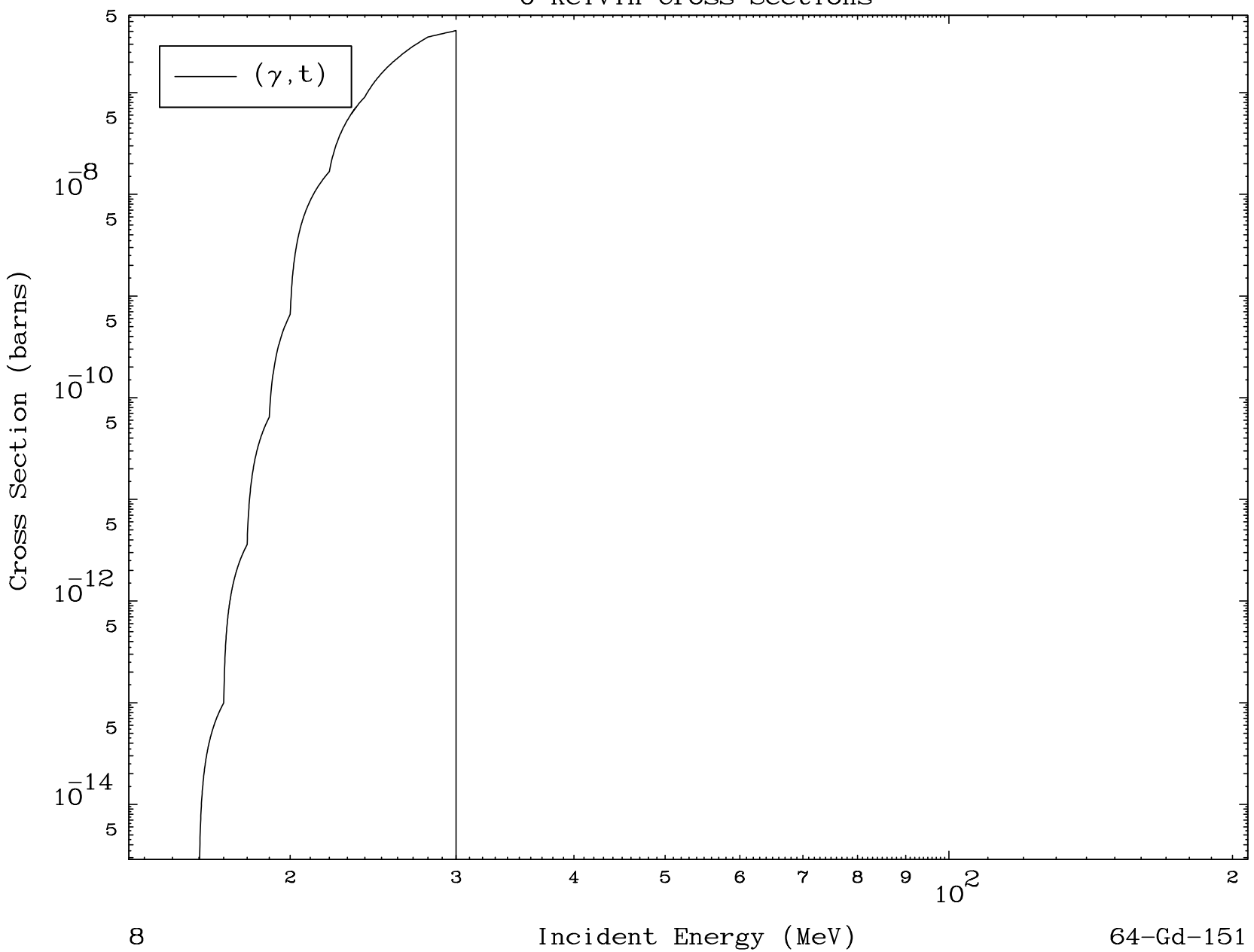

MAT 6422
Photon Charged Particle
0 Kelvin Cross Sections
64-Gd-151
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p
3
64-Gd-151

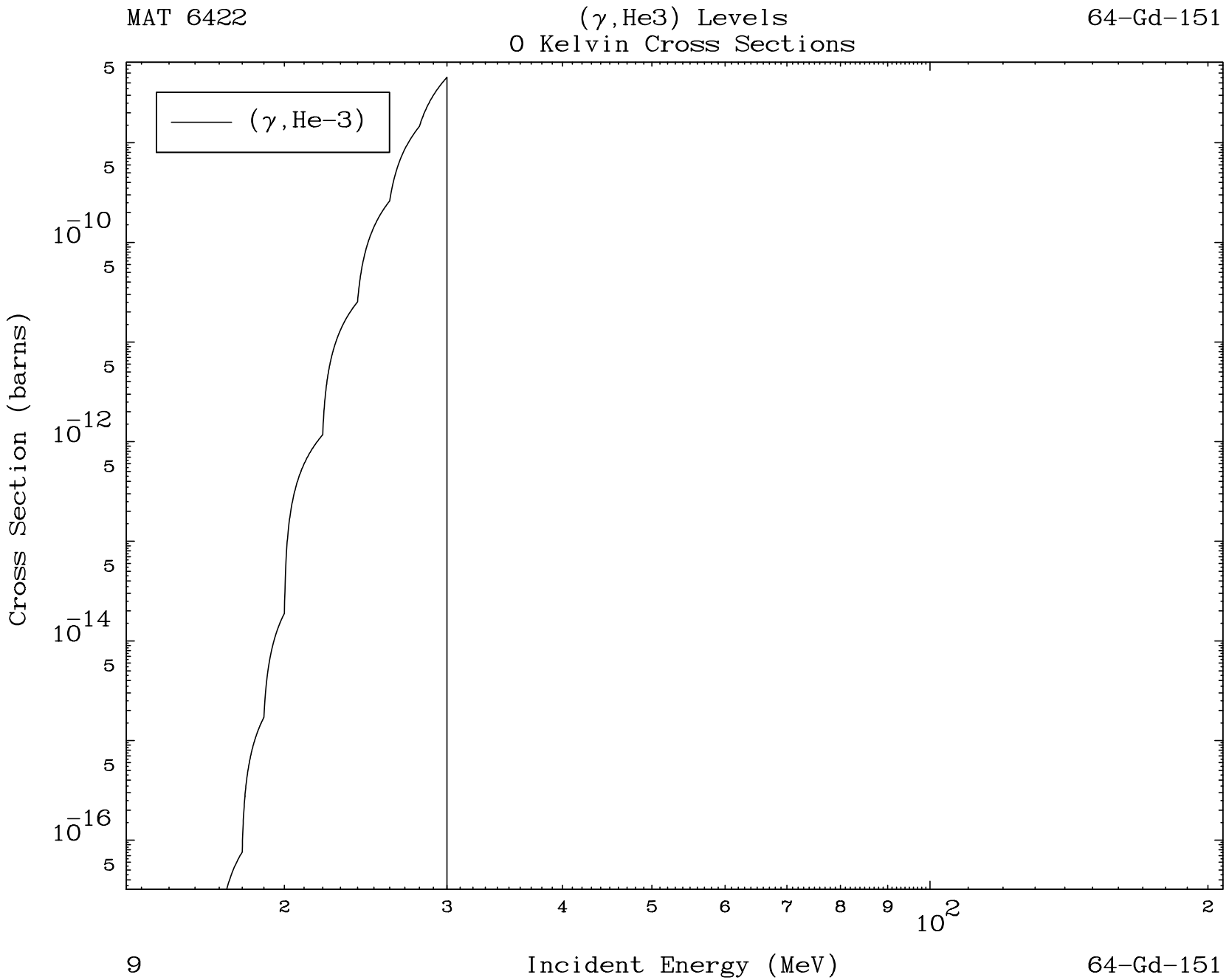

MAT 6422
Photon Charged Particle
0 Kelvin Cross Sections
64-Gd-151
(γ,p)
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
Cross Section (barns)
Incident Energy (MeV)
64-Gd-151
4

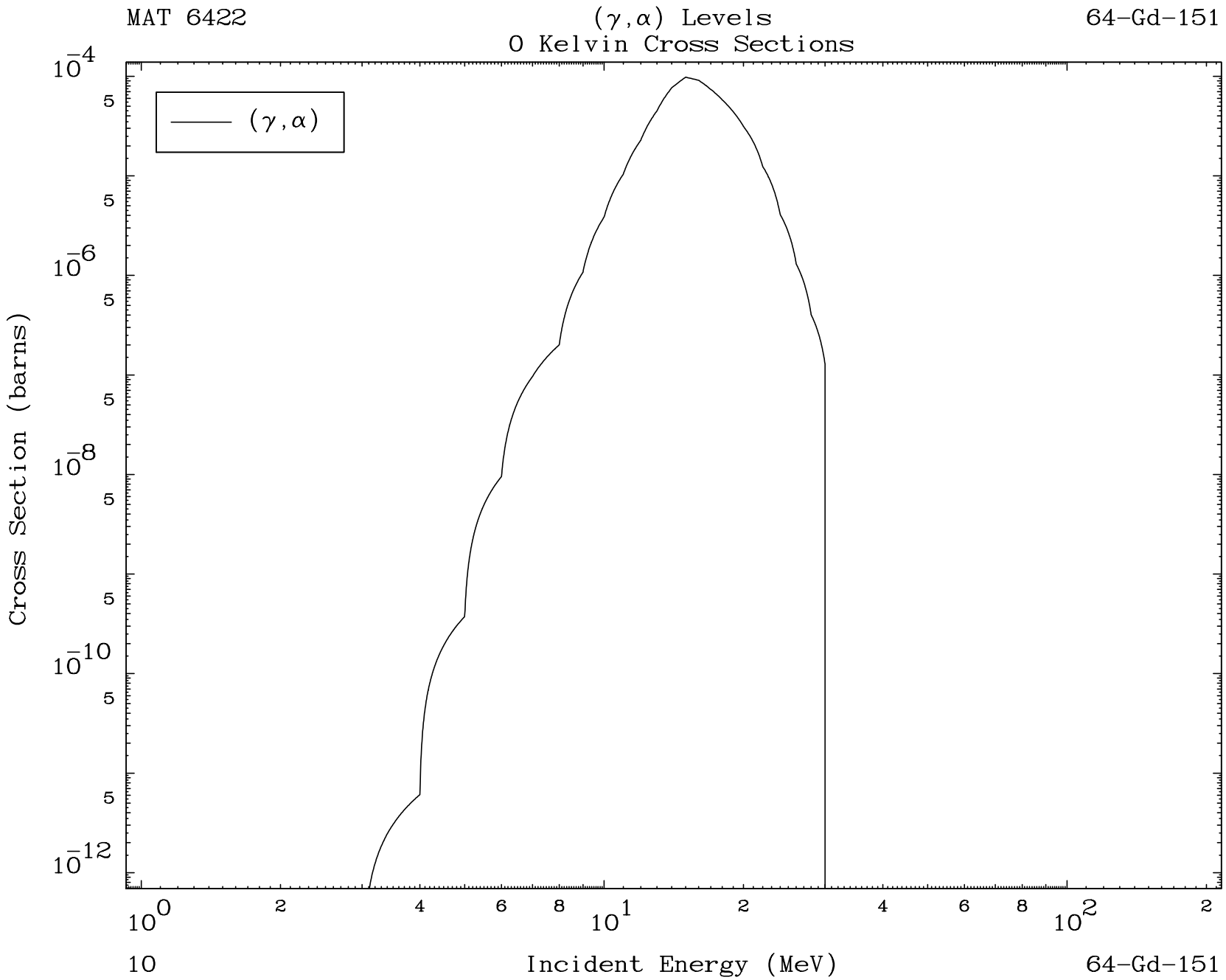

MAT 6422
(γ,n') Level
64-Gd-151
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
64-Gd-151

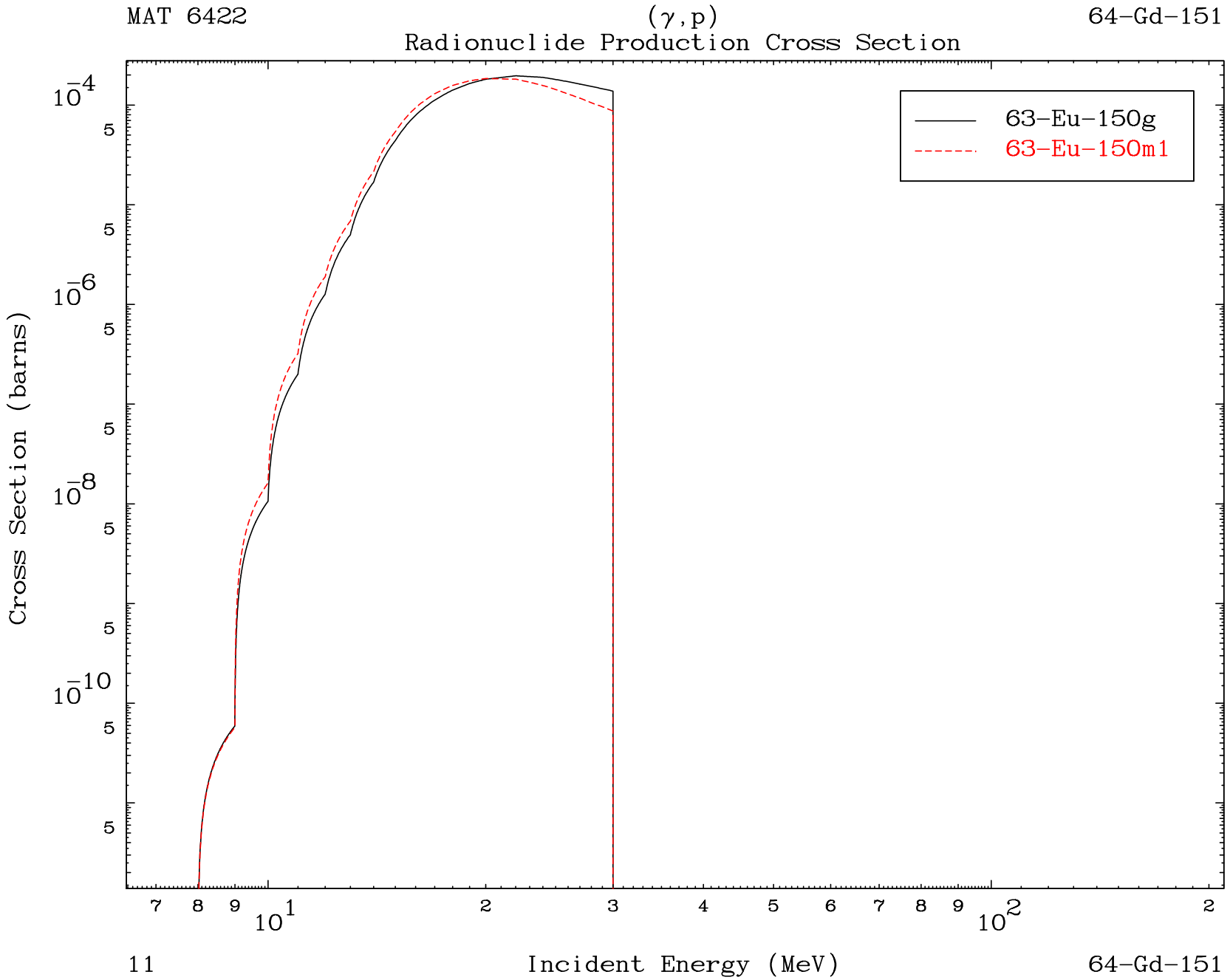

MAT 6422
(γ,p) Levels
64-Gd-151
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-151
6


MAT 6422
(γ,d) Levels
0 Kelvin Cross Sections
64-Gd-151
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
7
64-Gd-151


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
Incident Energy (MeV)


MAT 6422
(γ,He3) Levels
64-Gd-151
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
64-Gd-151


MAT 6422
(γ,α) Levels
64-Gd-151
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-151


MAT 6422
(γ,p)
64-Gd-151
Radionuclide Production Cross Section
63-Eu-150g
63-Eu-150m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
11
64-Gd-151