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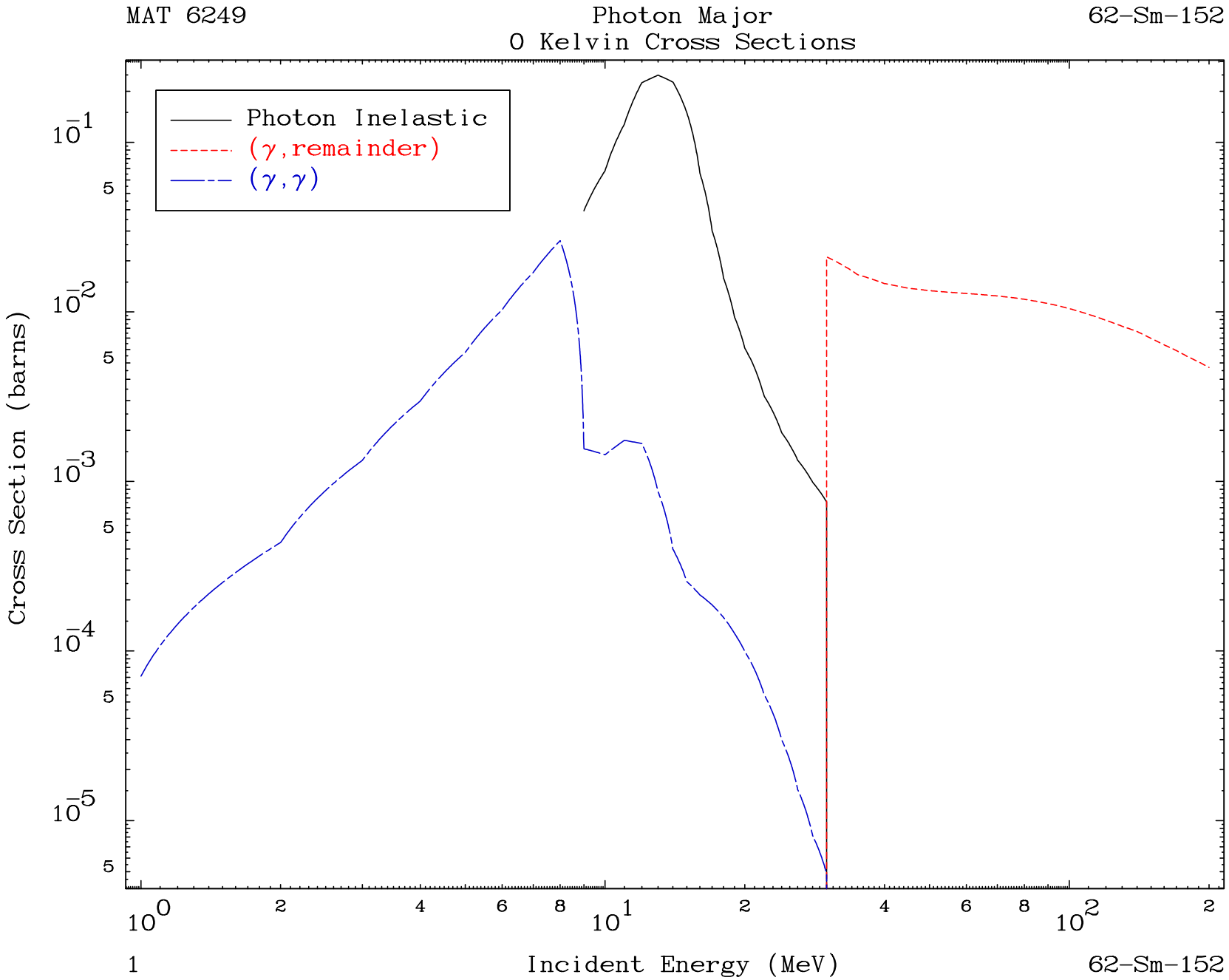
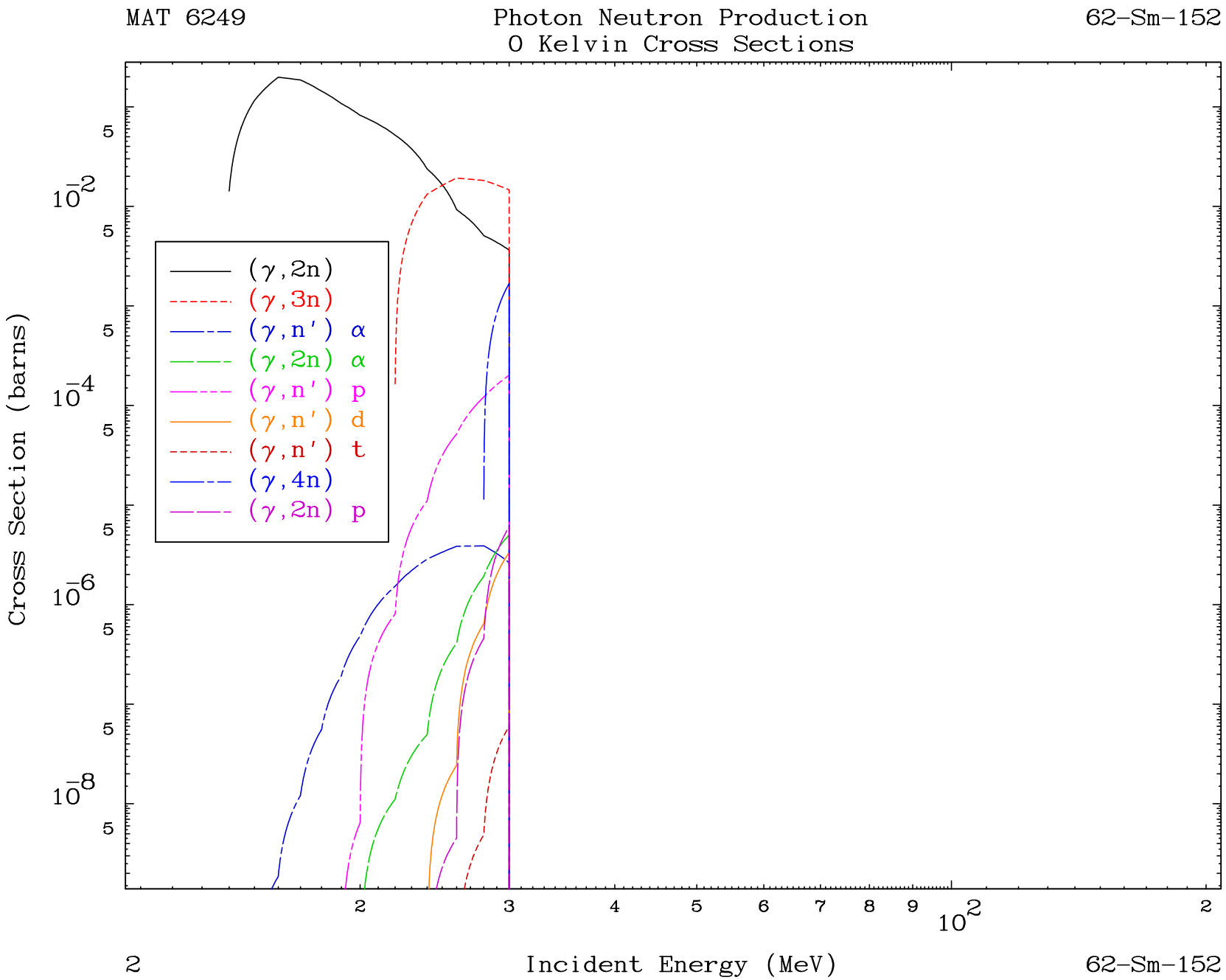
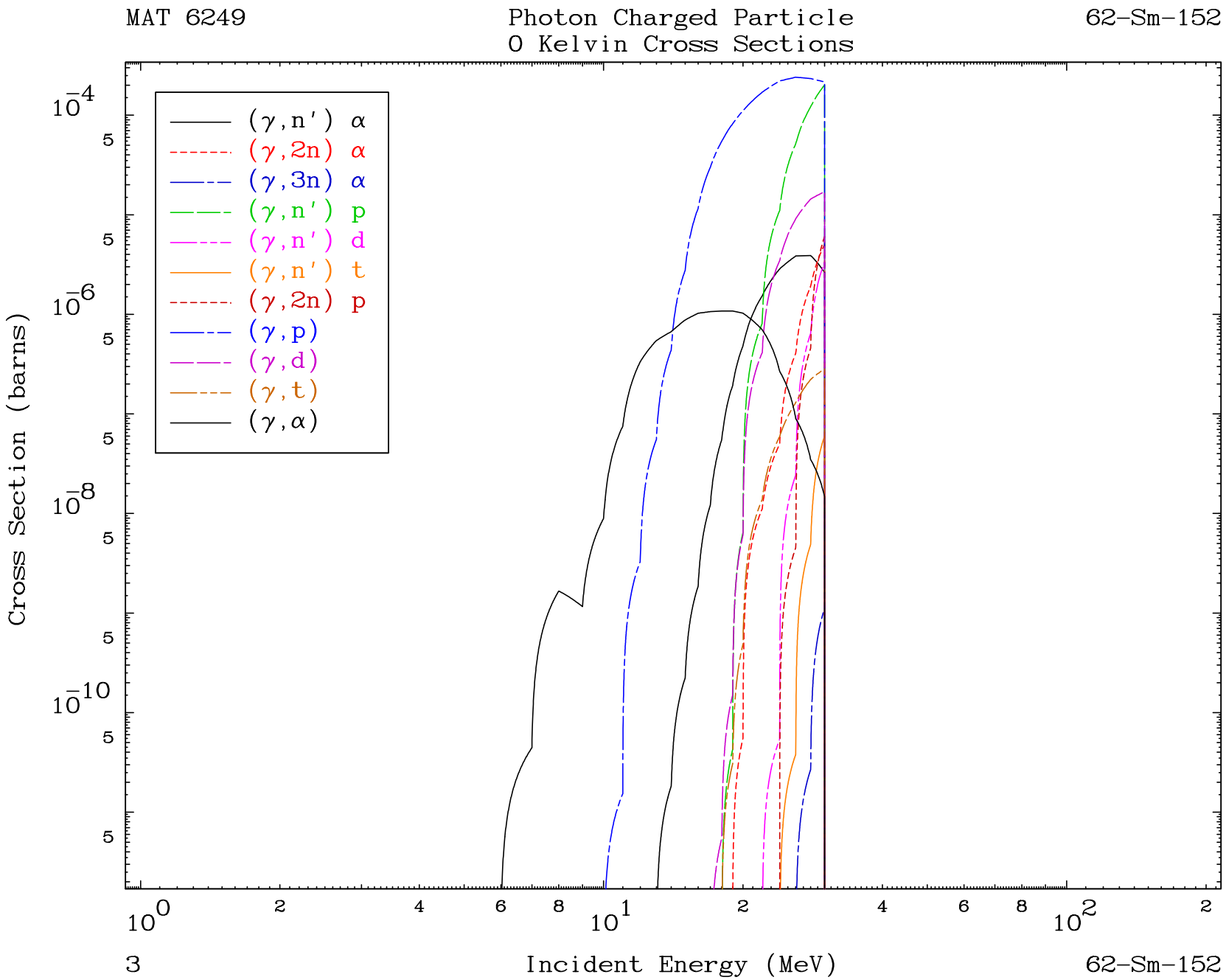
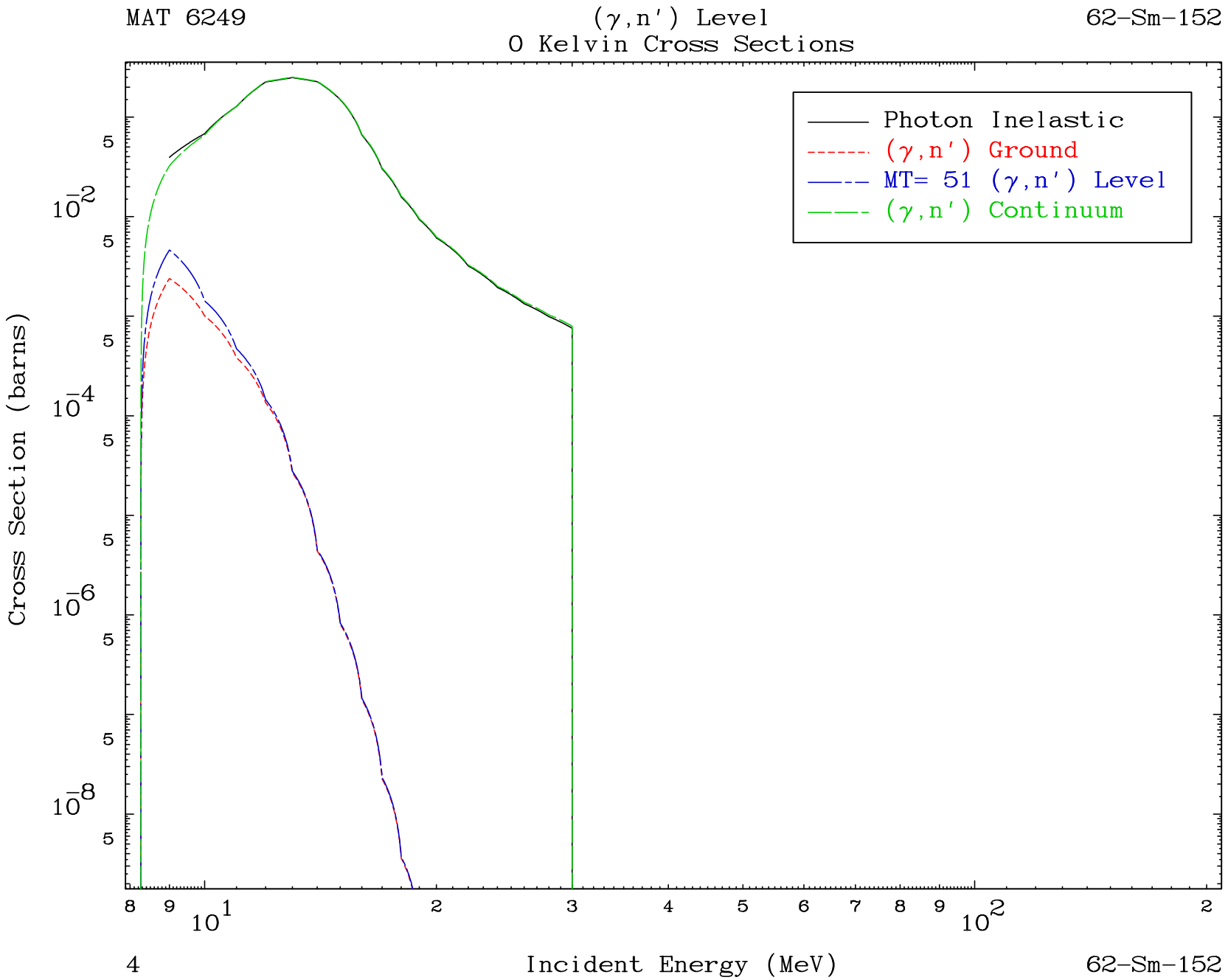
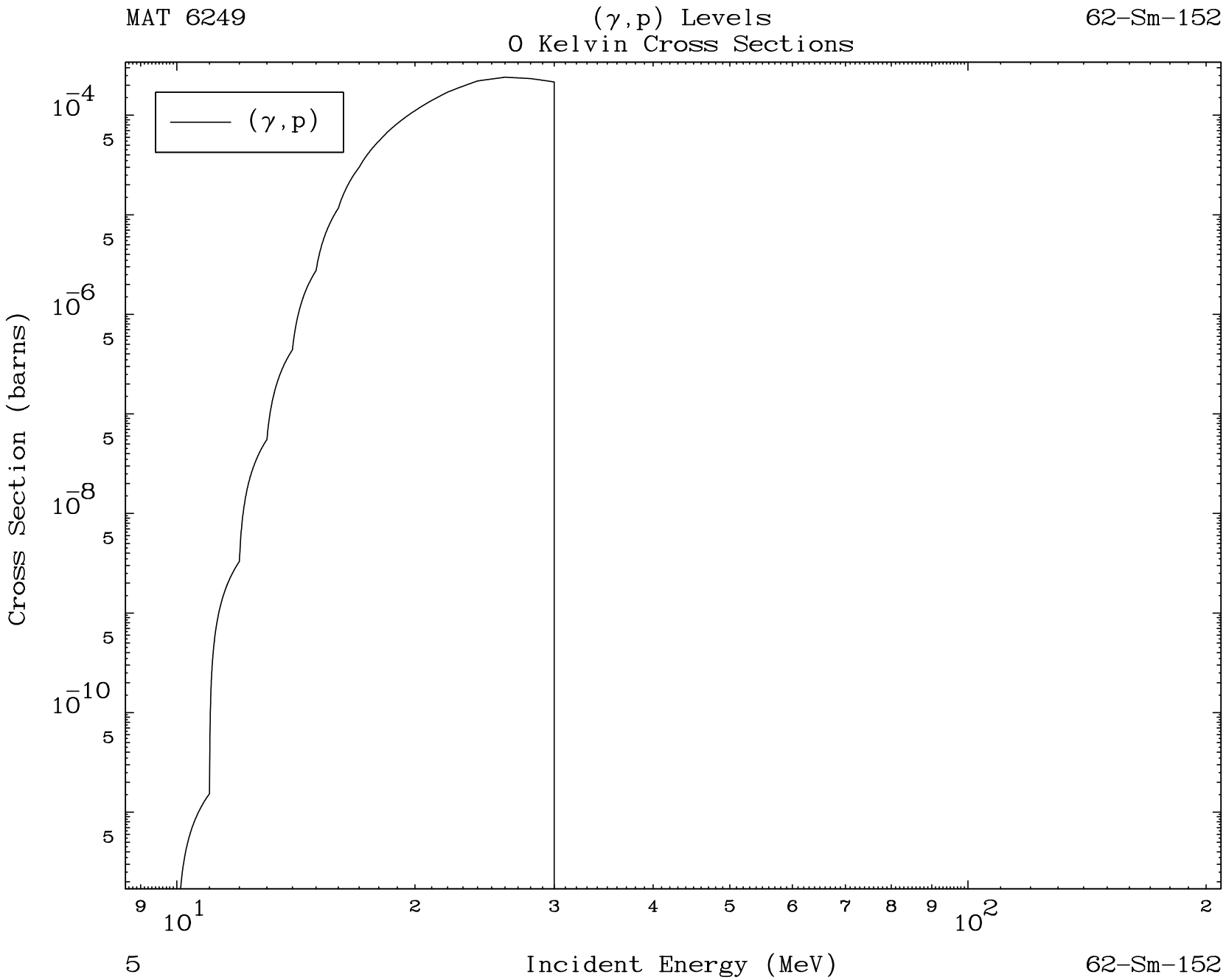
Press Mouse Button to Start

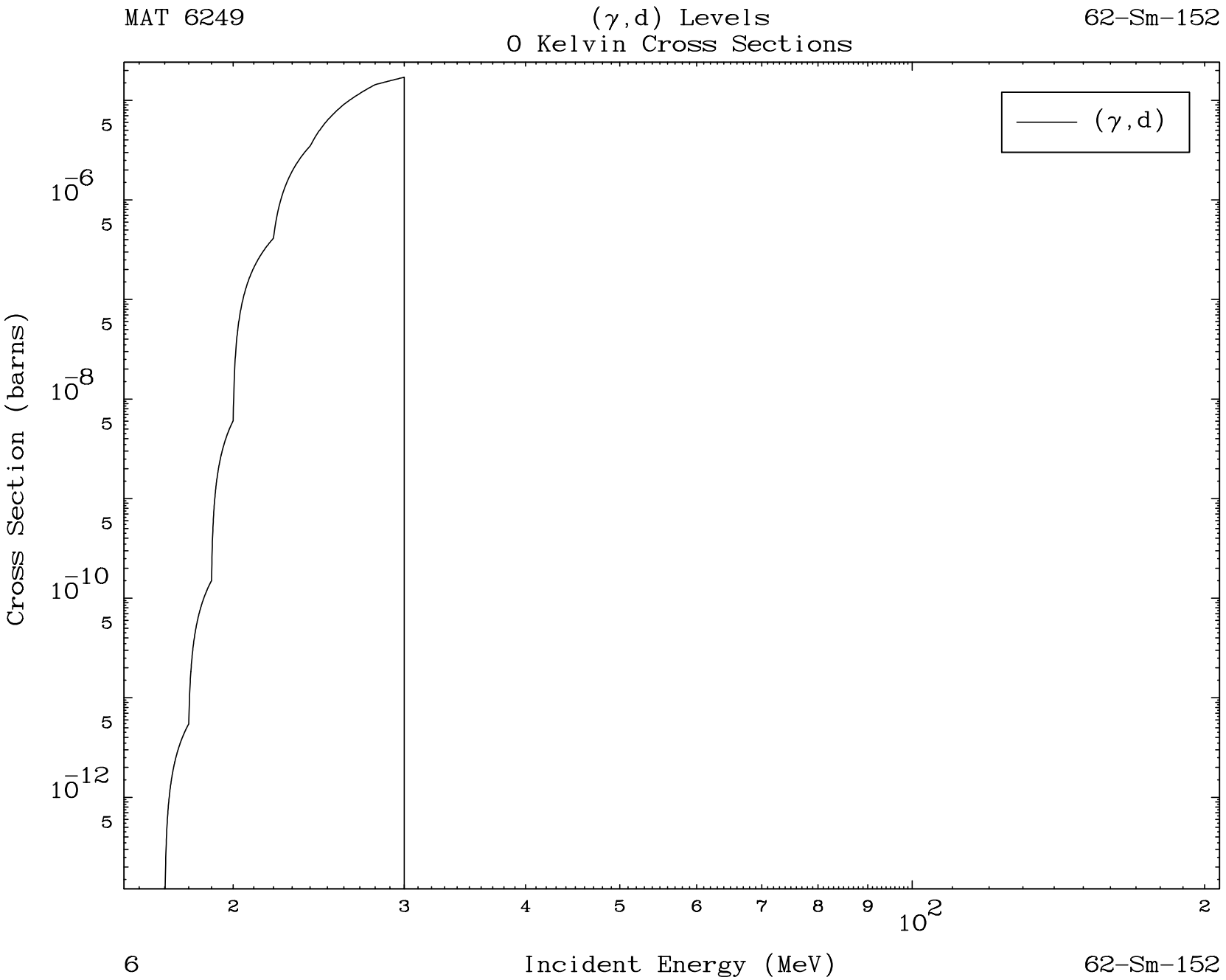

MAT 6249
Photon Major
62-Sm-152
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-152

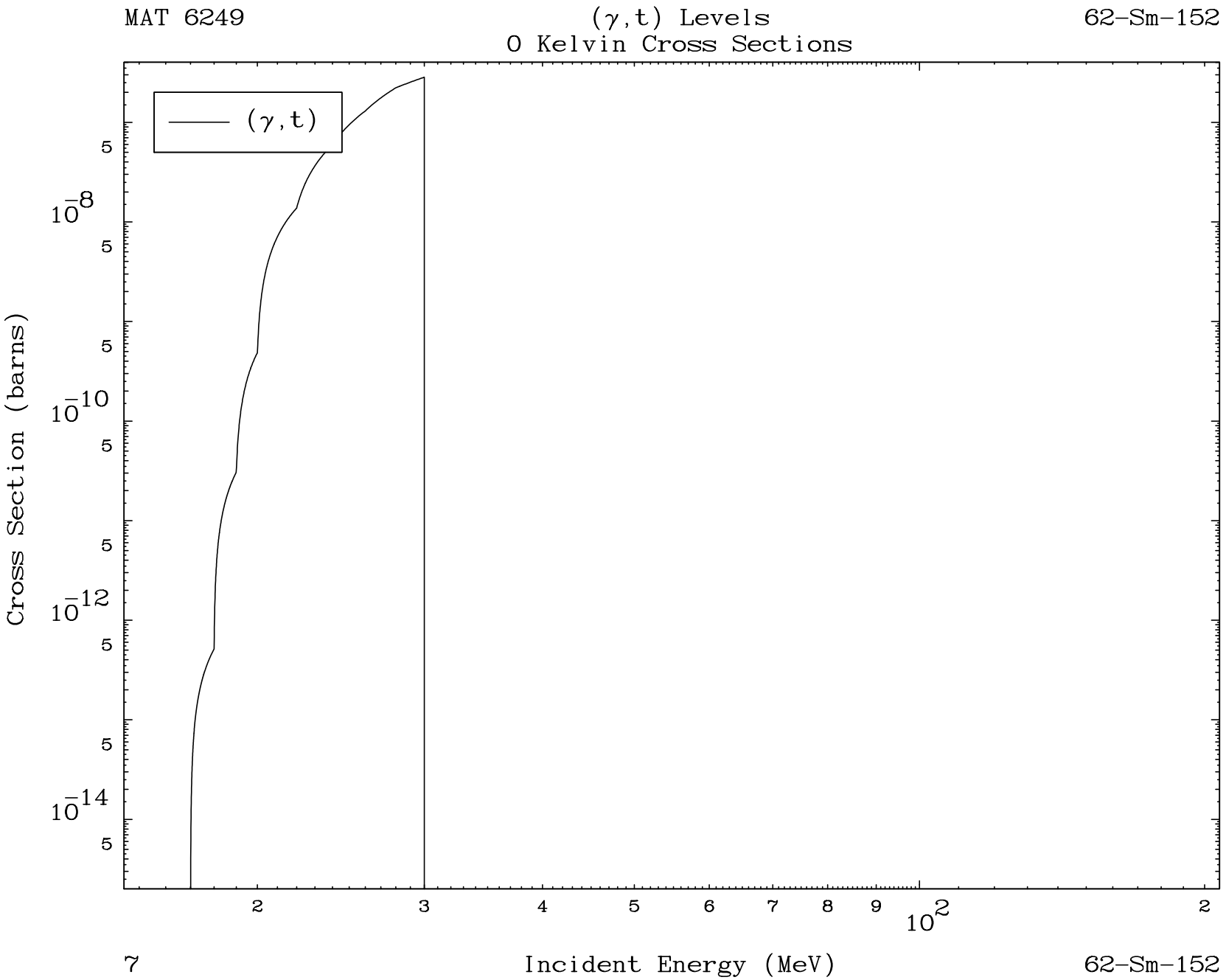

MAT 6249
Photon Neutron Production
0 Kelvin Cross Sections
62-Sm-152
Cross Section (barns)
10-2
10-4
10-6
10-8
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
62-Sm-152

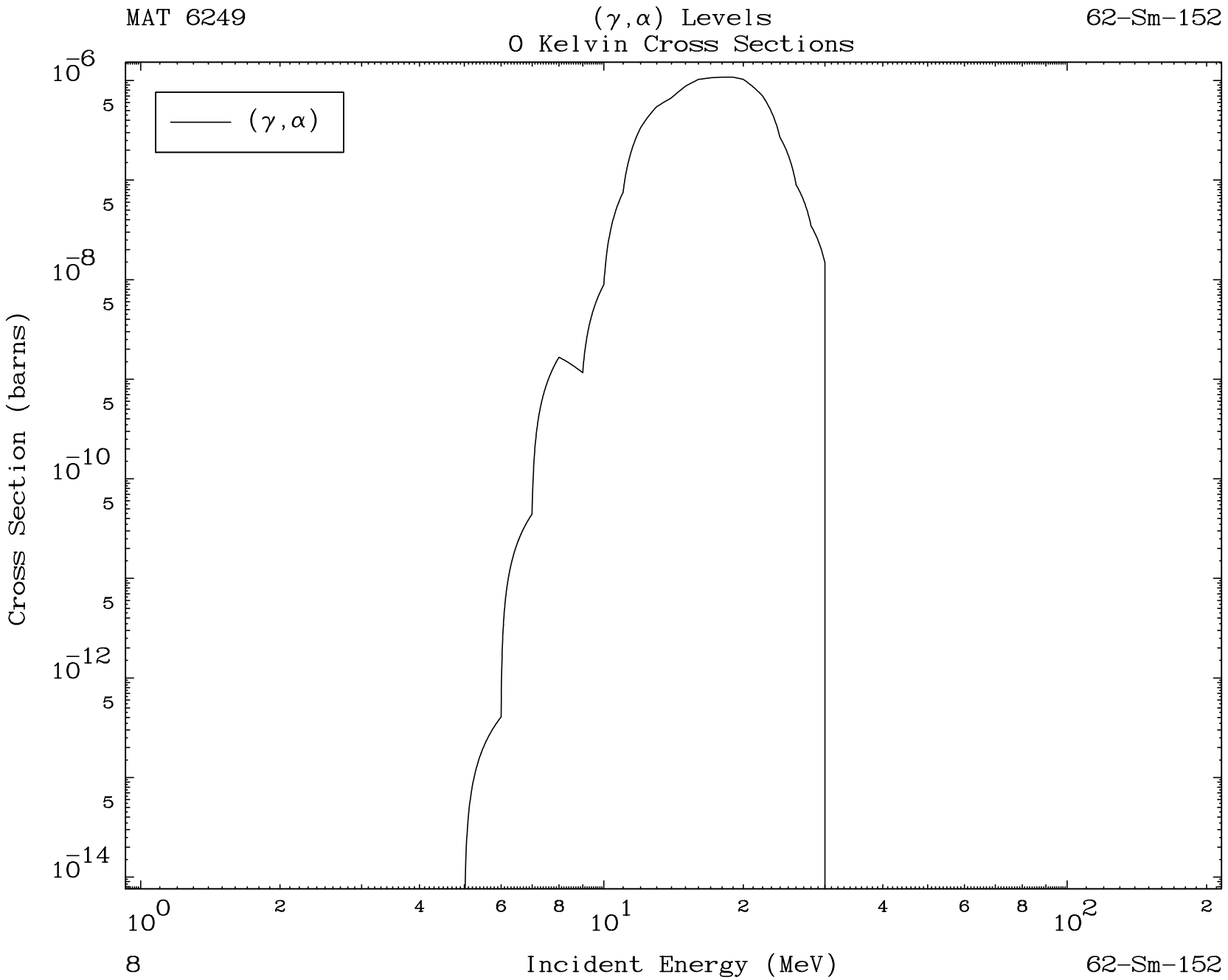

MAT 6249
Photon Charged Particle
0 Kelvin Cross Sections
62-Sm-152
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
3
62-Sm-152

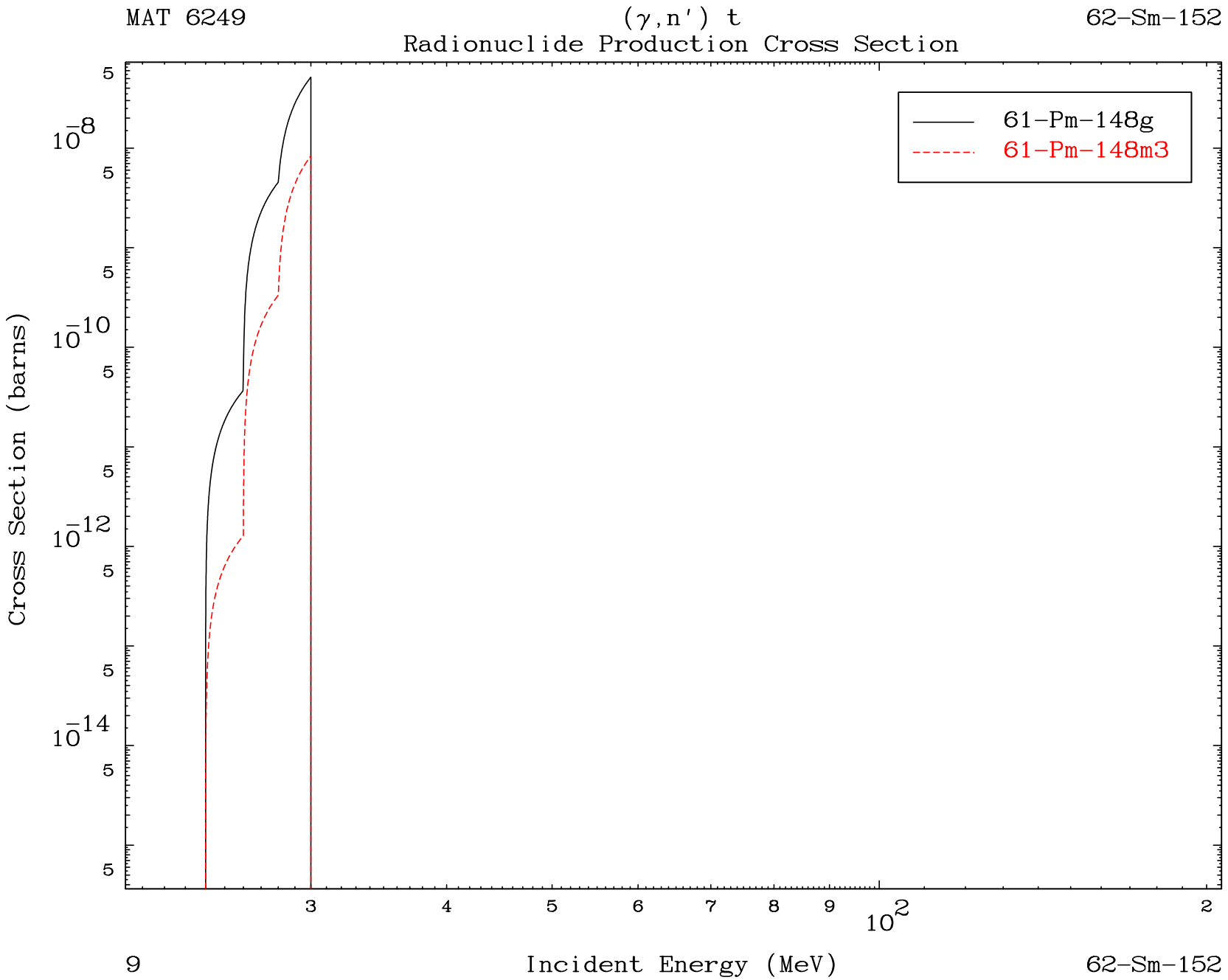

MAT 6249
(γ,n') Level
62-Sm-152
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
62-Sm-152
4


MAT 6249
(γ,p) Levels
62-Sm-152
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
62-Sm-152
5


MAT 6249
(γ,d) Levels
62-Sm-152
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
Incident Energy (MeV)
6
62-Sm-152


MAT 6249
(γ,t) Levels
0 Kelvin Cross Sections
62-Sm-152
(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)
7
62-Sm-152


MAT 6249
(γ,α) Levels
62-Sm-152
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-152
8


MAT 6249
(γ,n') t
62-Sm-152
Radionuclide Production Cross Section
61-Pm-148g
61-Pm-148m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
3
4
6
7
8
9
10^2
2
Incident Energy (MeV)
9
62-Sm-152