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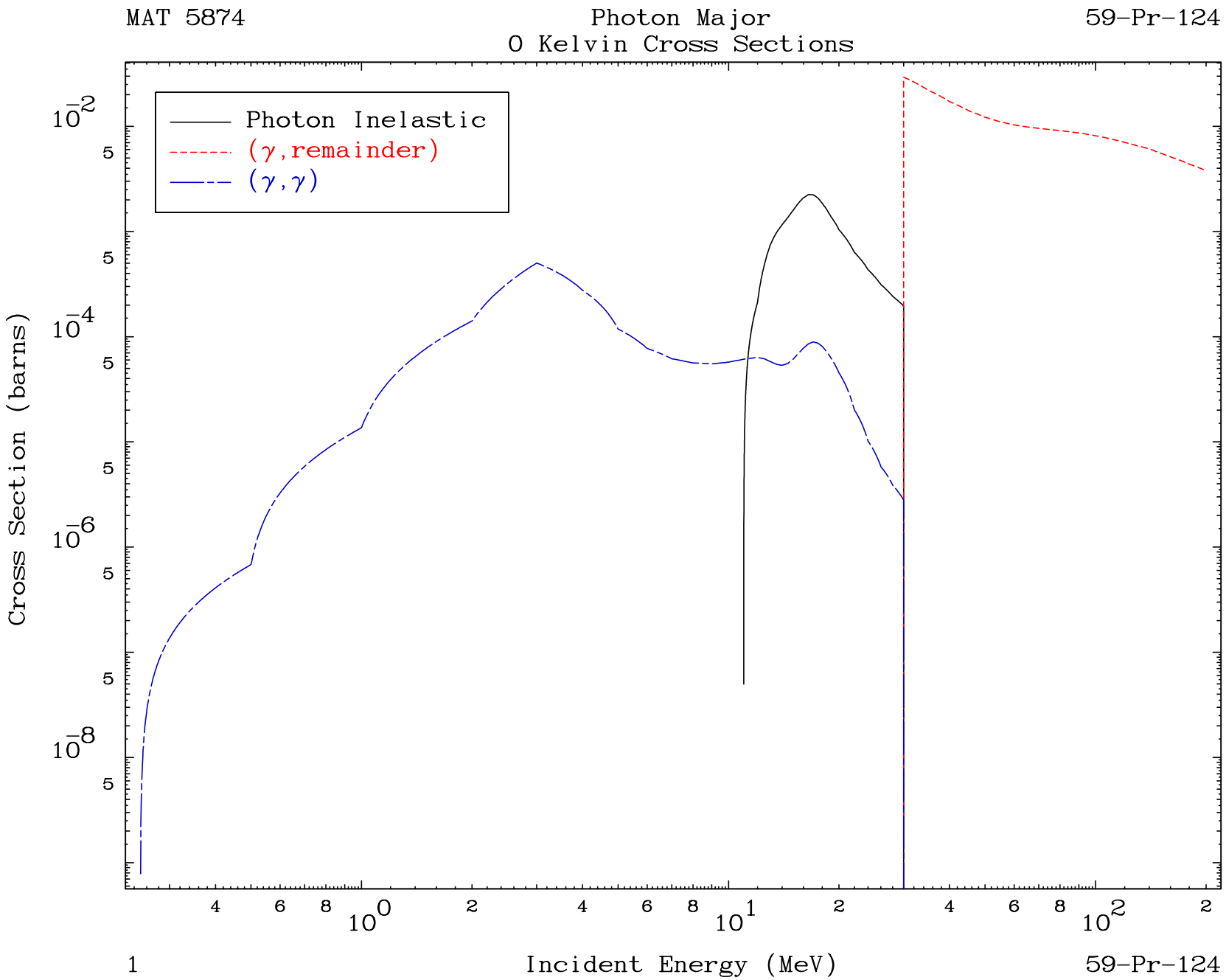
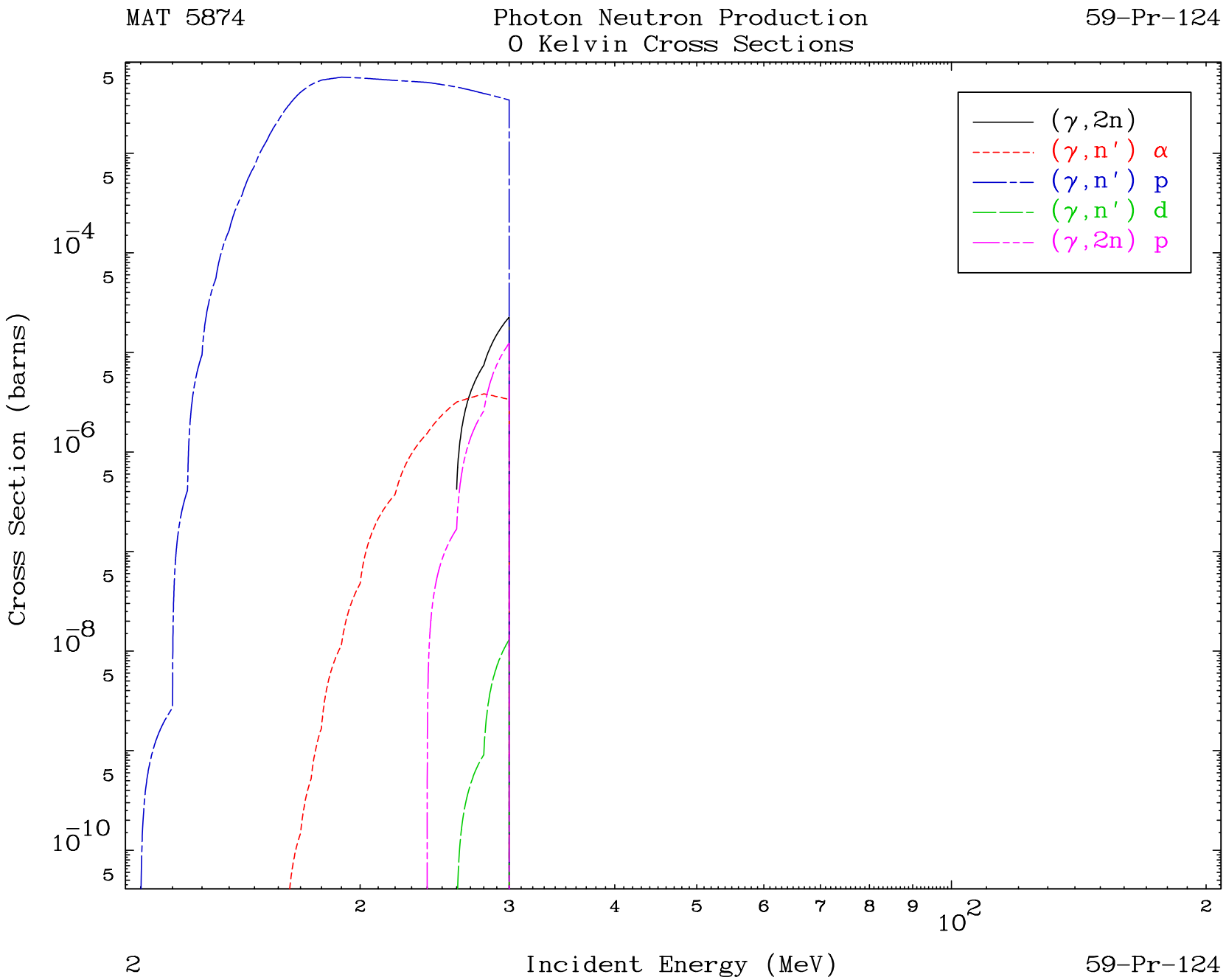
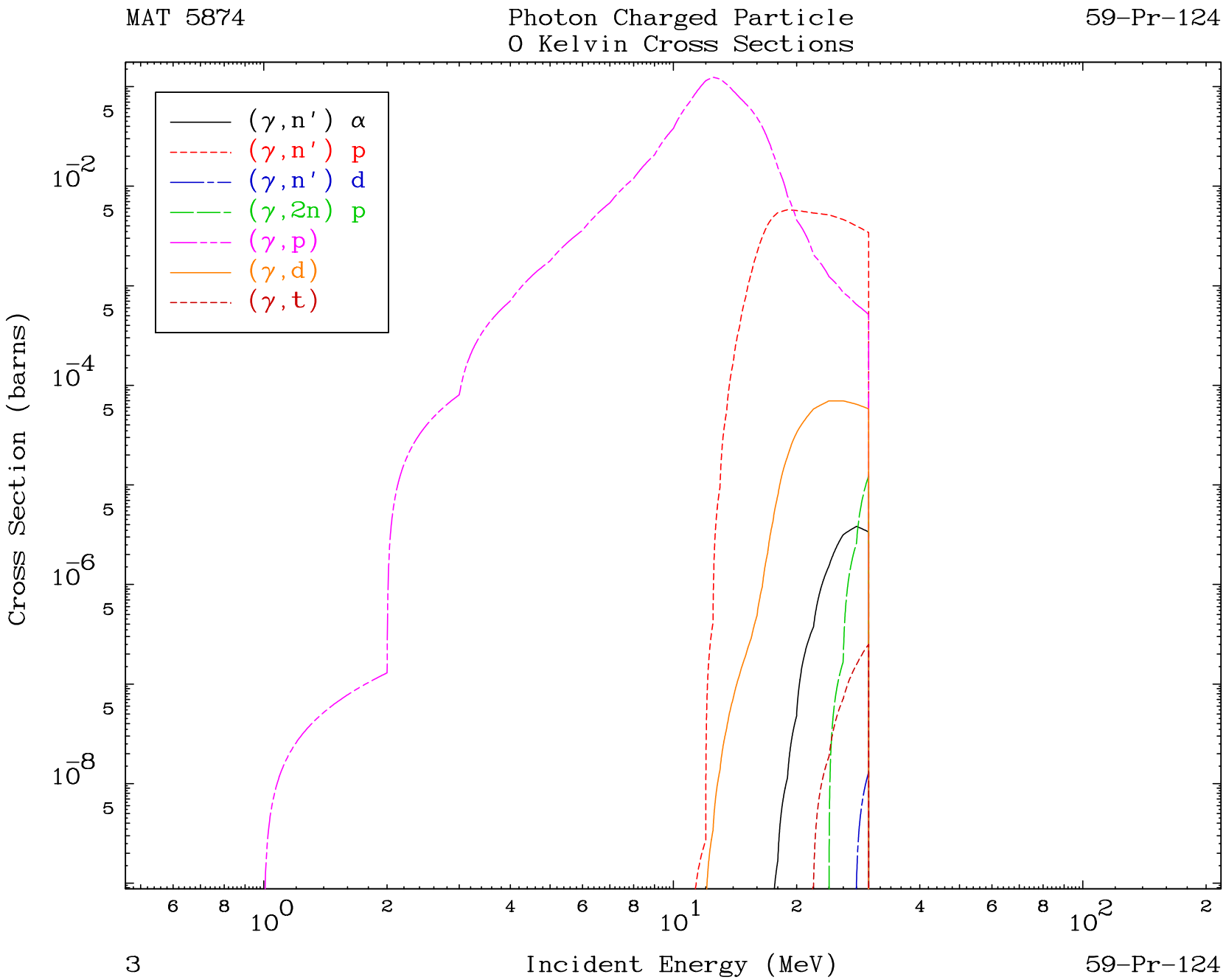
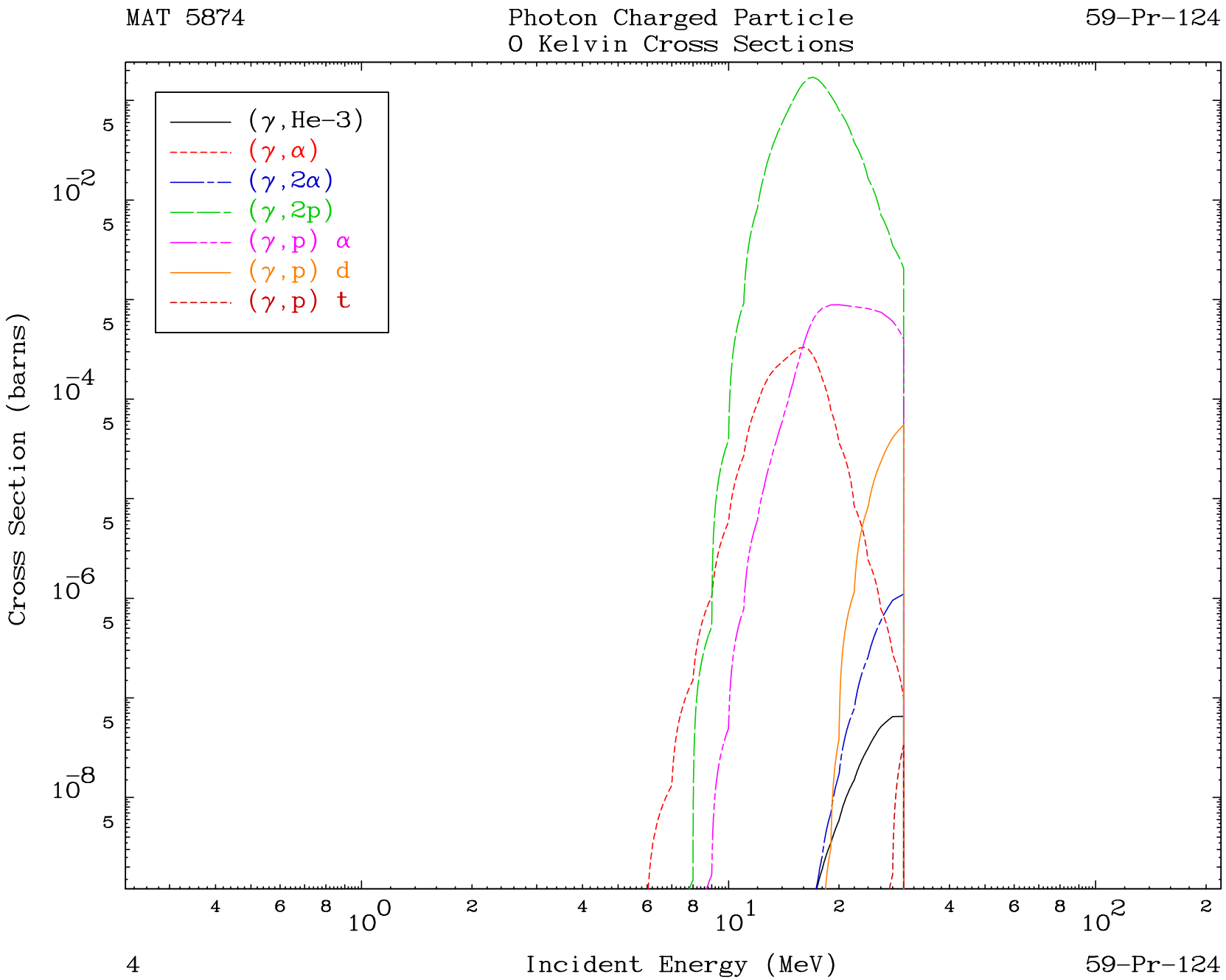
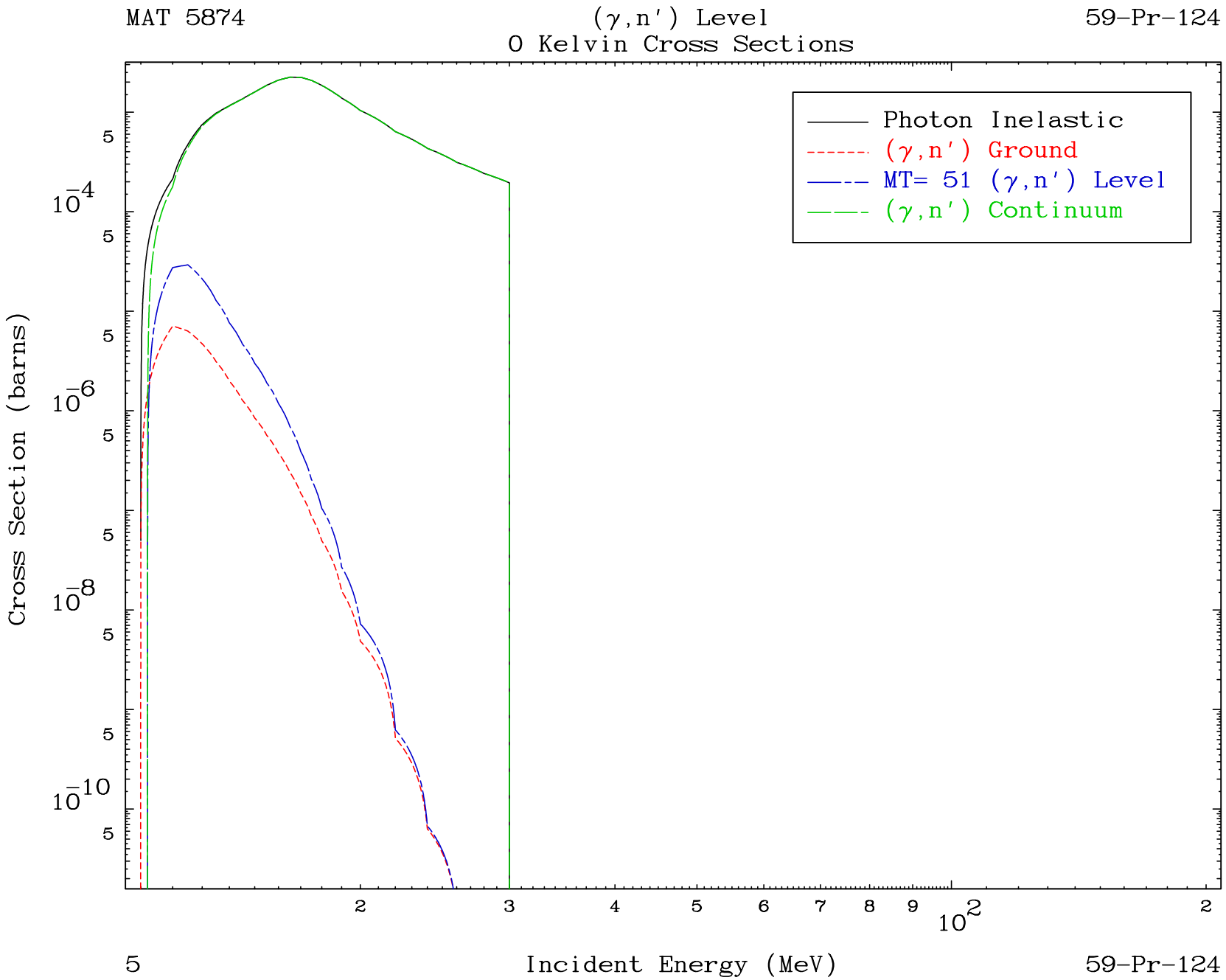
Press Mouse Button to Start

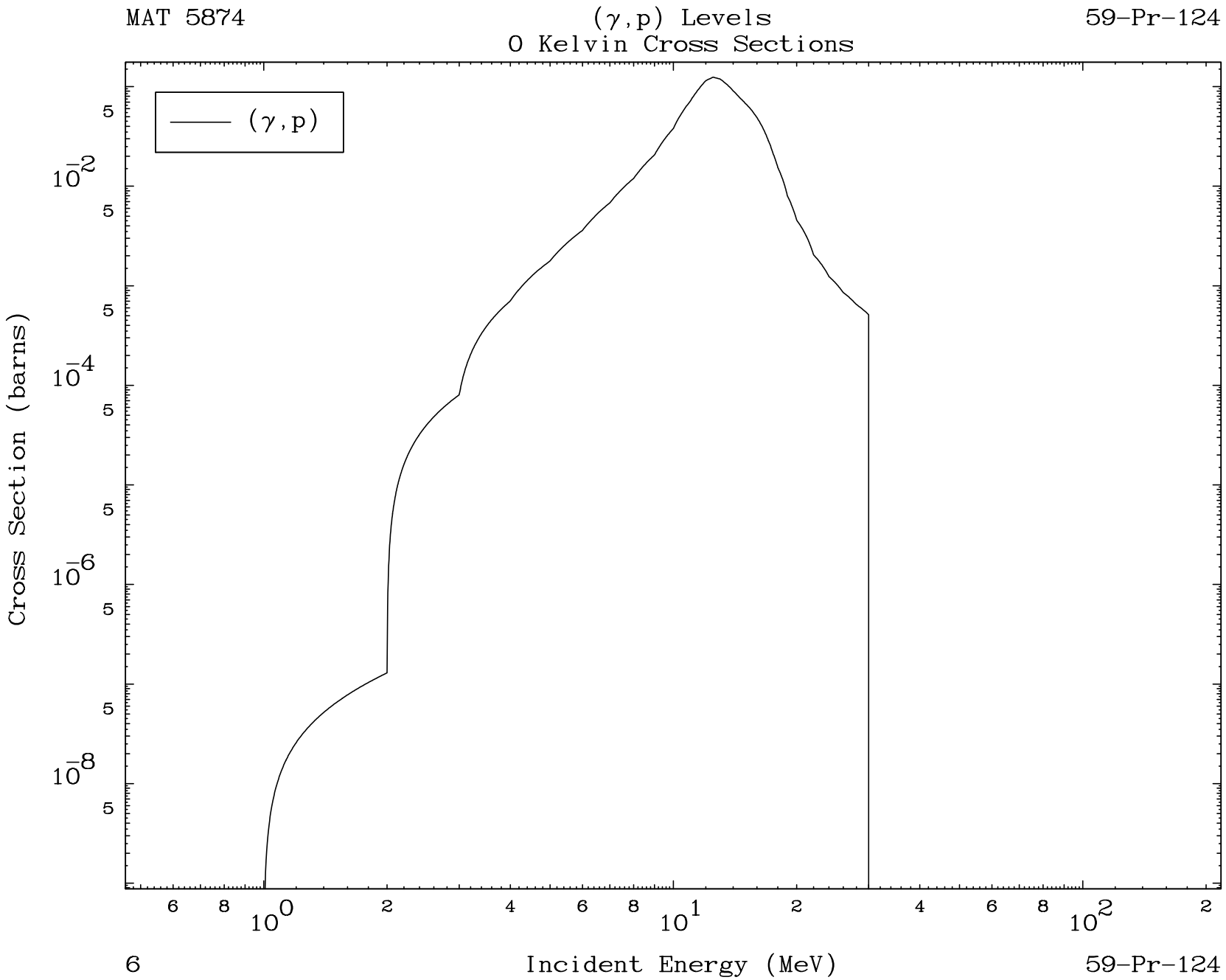

MAT 5874
Photon Major
59-Pr-124
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-124
1

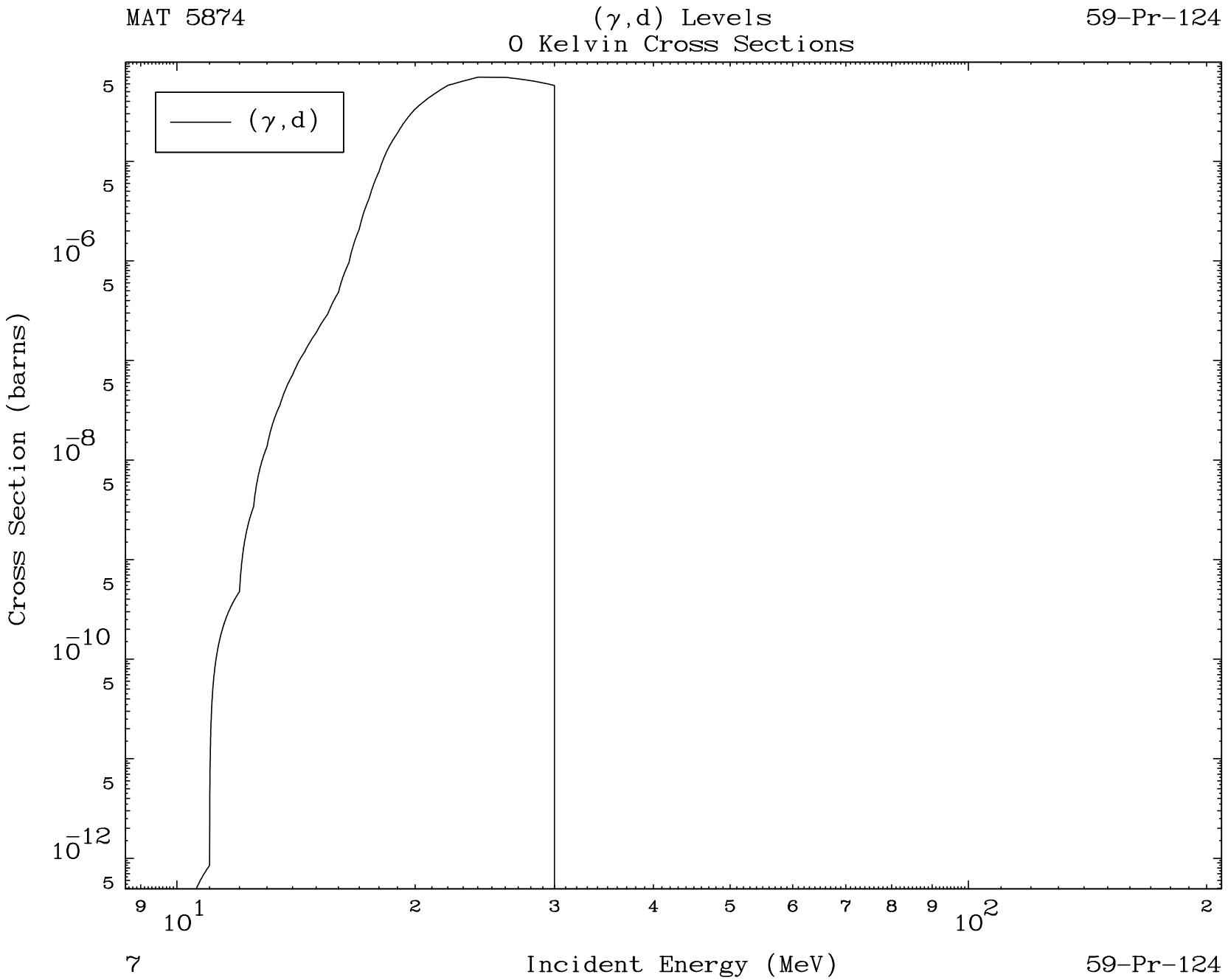

MAT 5874
Photon Neutron Production
0 Kelvin Cross Sections
59-Pr-124
(γ,2n)
(γ,n') α
(γ,n') p
(γ,n') d
(γ,2n) p
Cross Section (barns)
Incident Energy (MeV)
59-Pr-124


MAT 5874
Photon Charged Particle
0 Kelvin Cross Sections
59-Pr-124
(γ,n') α
(γ,n') p
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
Cross Section (barns)
Incident Energy (MeV)
3
59-Pr-124

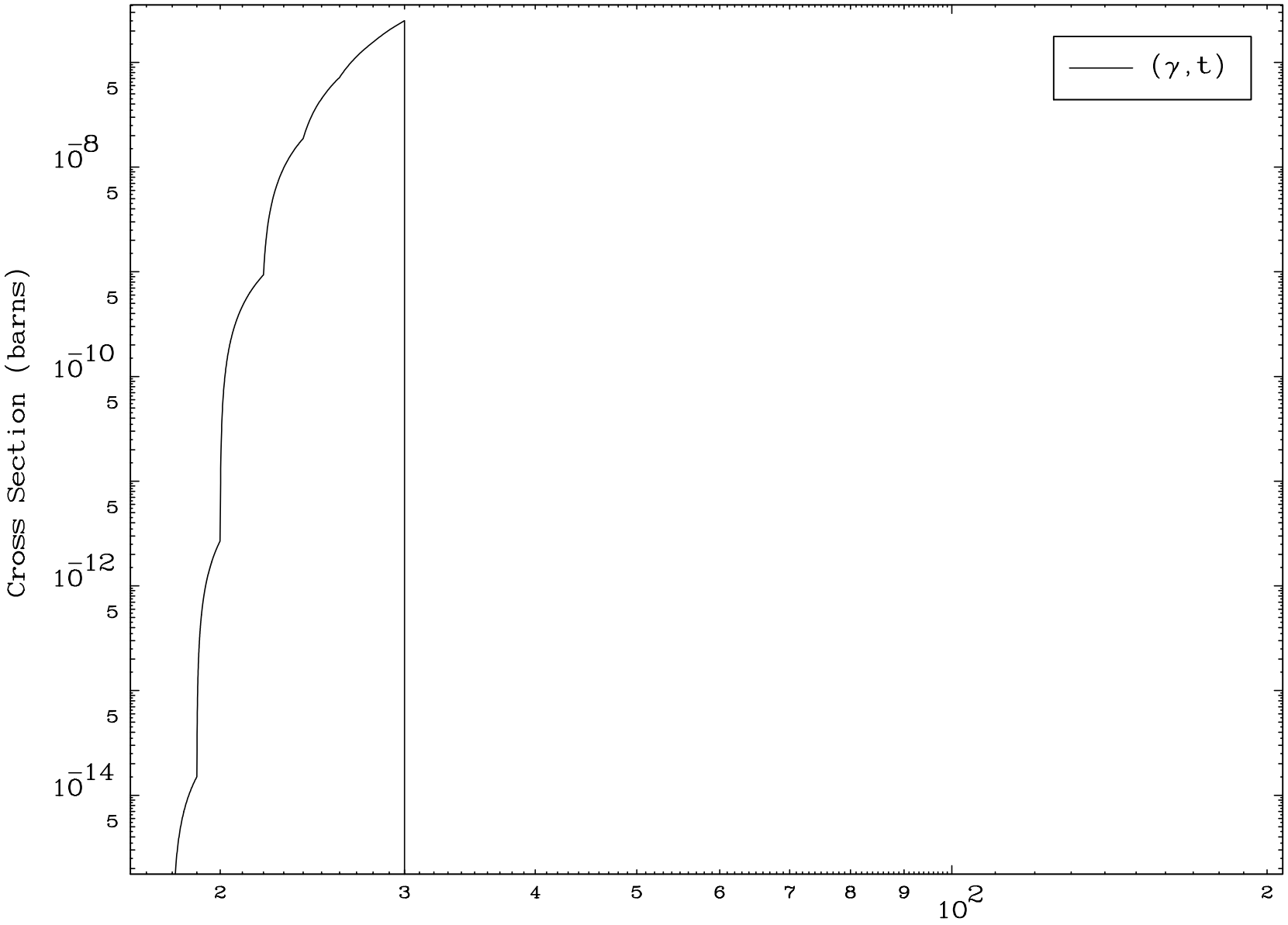

MAT 5874
Photon Charged Particle
0 Kelvin Cross Sections
59-Pr-124
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
59-Pr-124

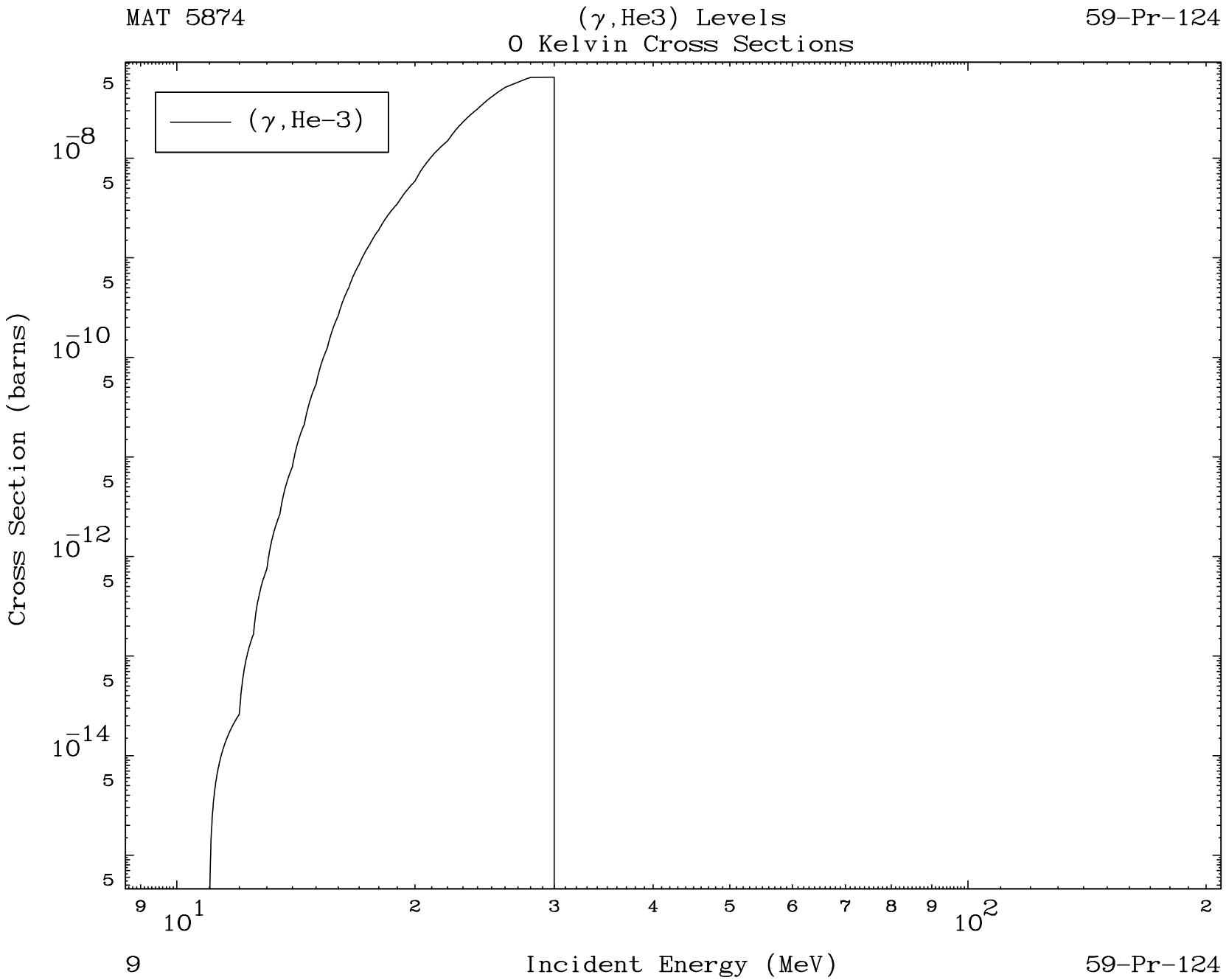

MAT 5874
(γ,n') Level
59-Pr-124
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
59-Pr-124

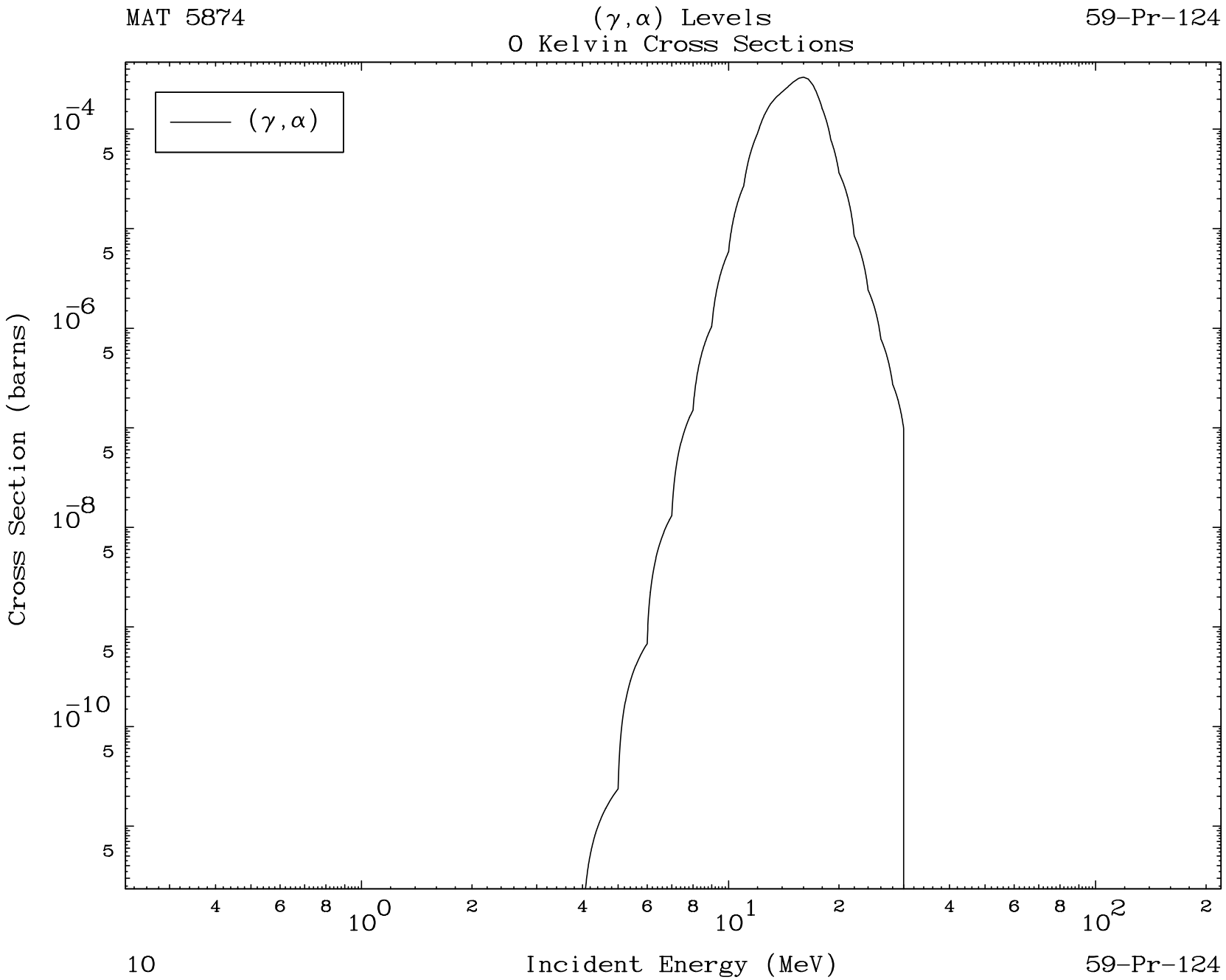

MAT 5874
(γ,p) Levels
59-Pr-124
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)
6
59-Pr-124

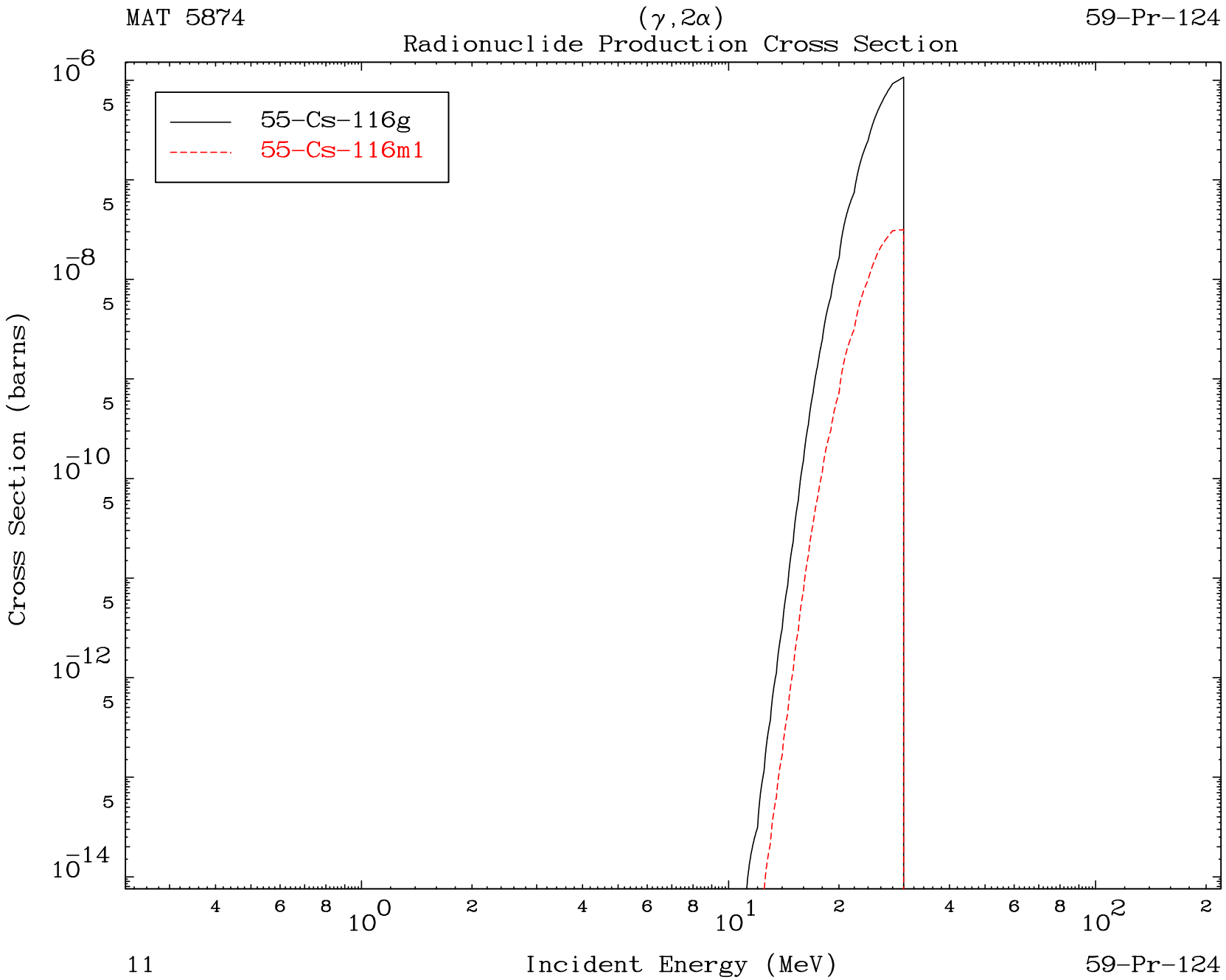

MAT 5874
(γ,d) Levels
59-Pr-124
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-124
7

0 Kelvin Cross Sections




MAT 5874
(γ,He3) Levels
59-Pr-124
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
Incident Energy (MeV)
10 1
10 2
59-Pr-124


MAT 5874
(γ,α) Levels
59-Pr-124
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
59-Pr-124


MAT 5874
(γ,2α)
59-Pr-124
Radionuclide Production Cross Section
55-Cs-116g
55-Cs-116m1
Cross Section (barns)
Incident Energy (MeV)
11
59-Pr-124