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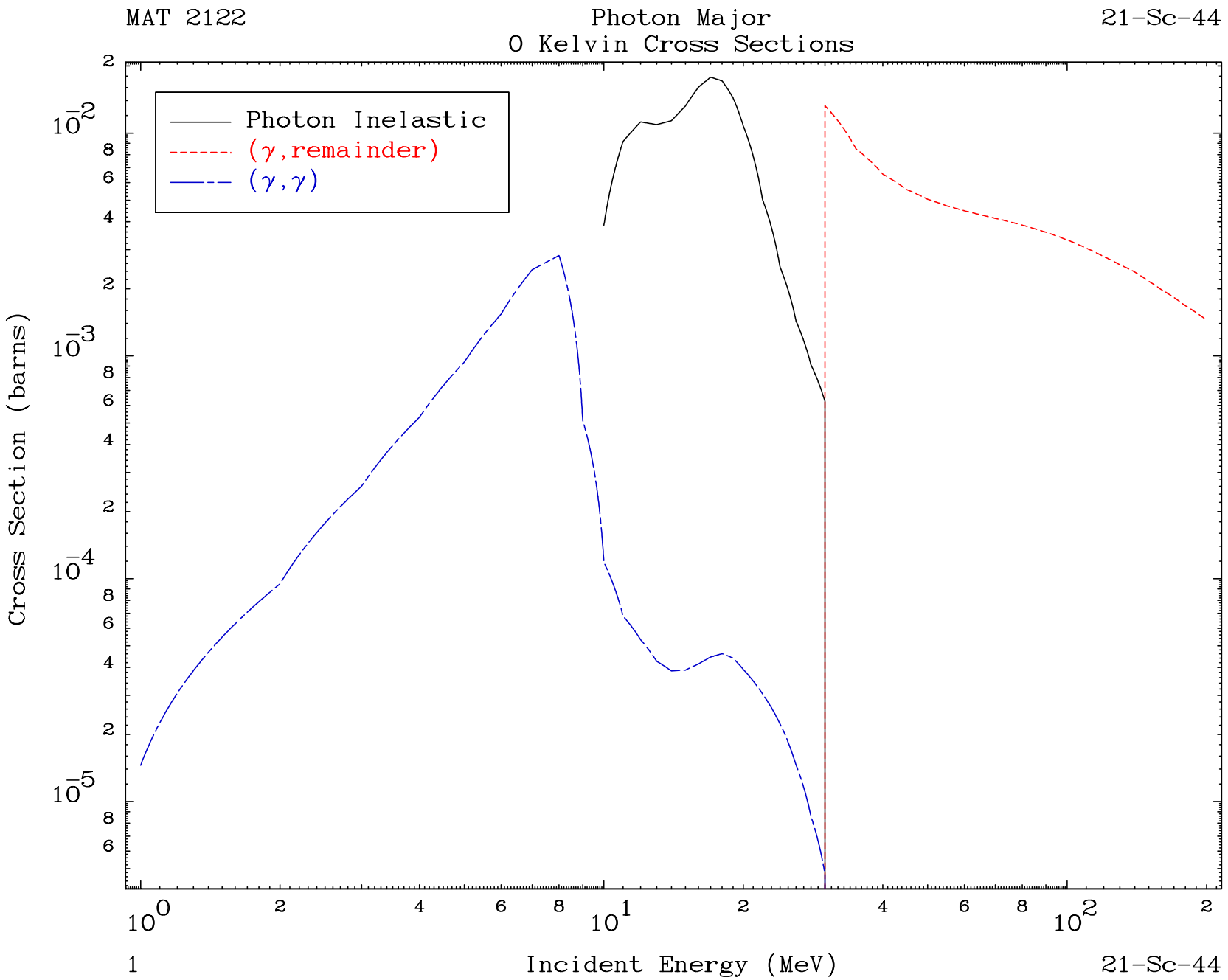
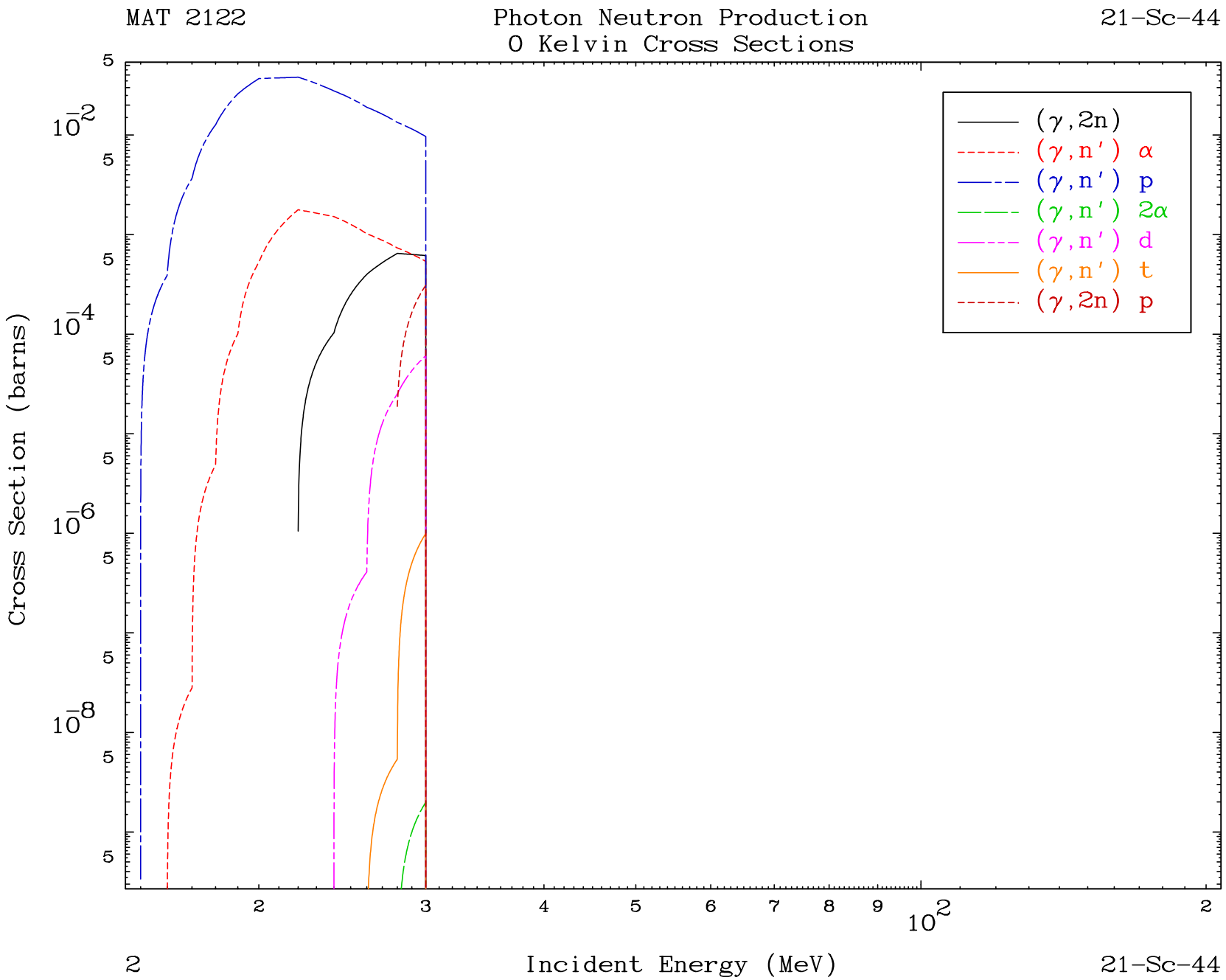
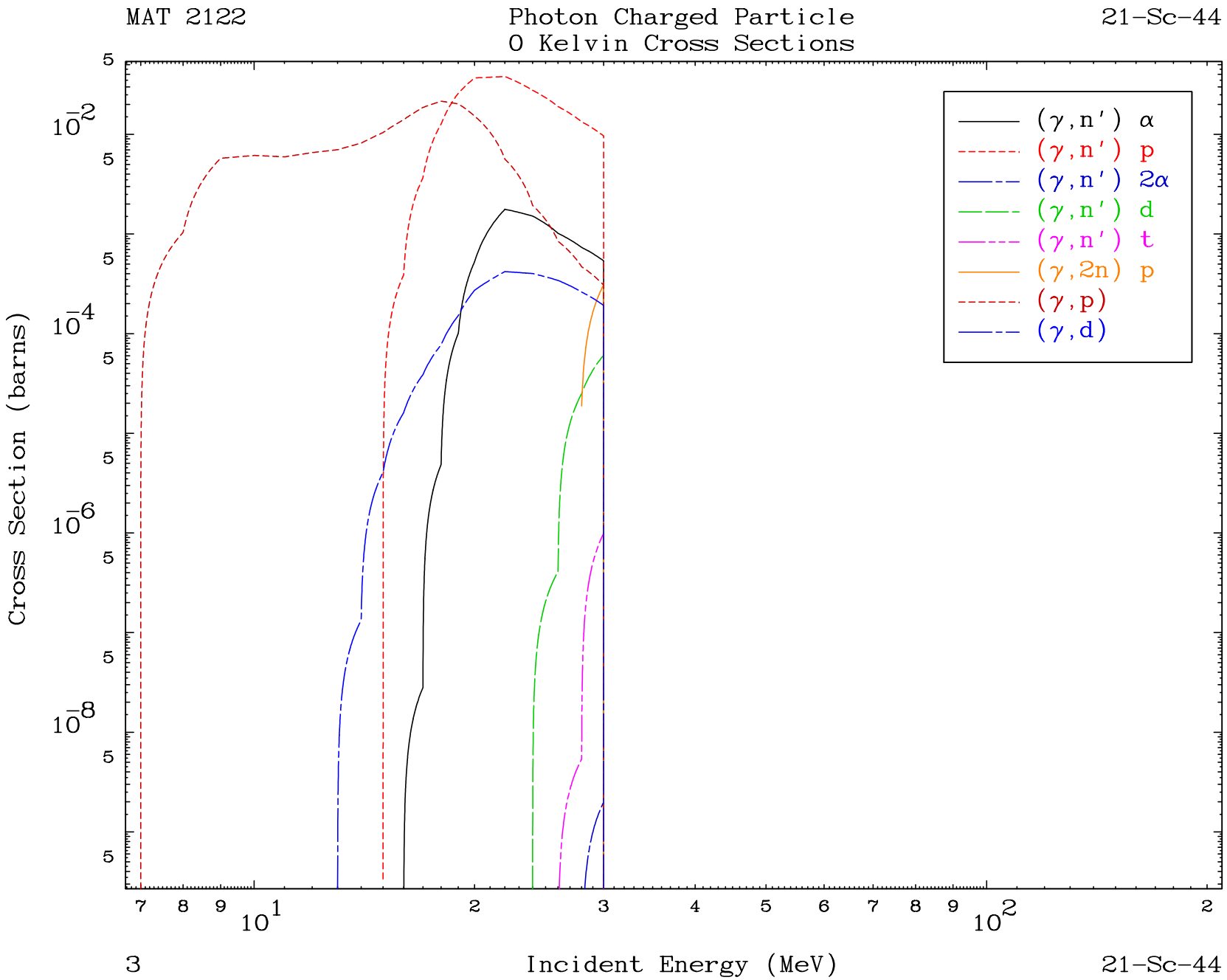
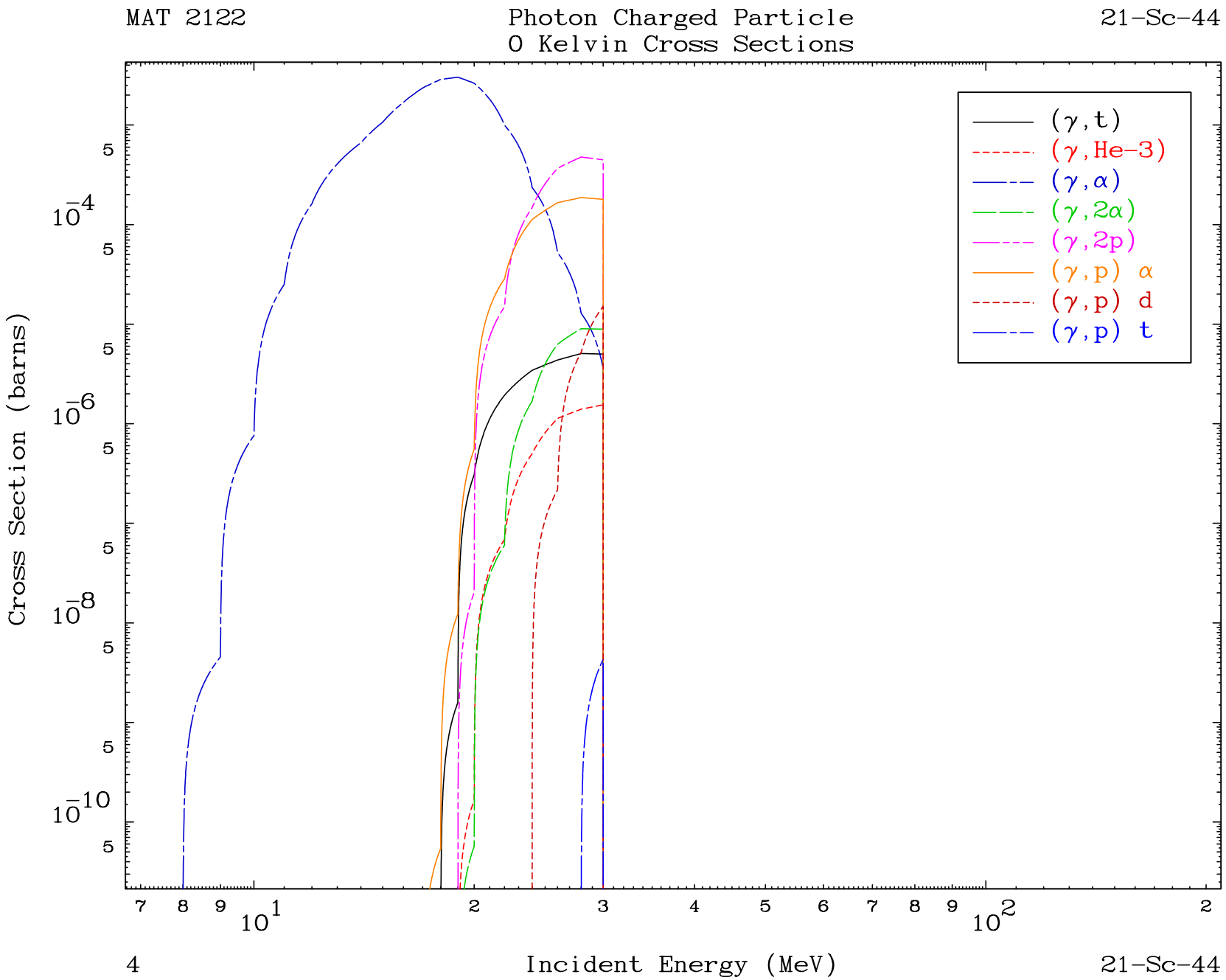
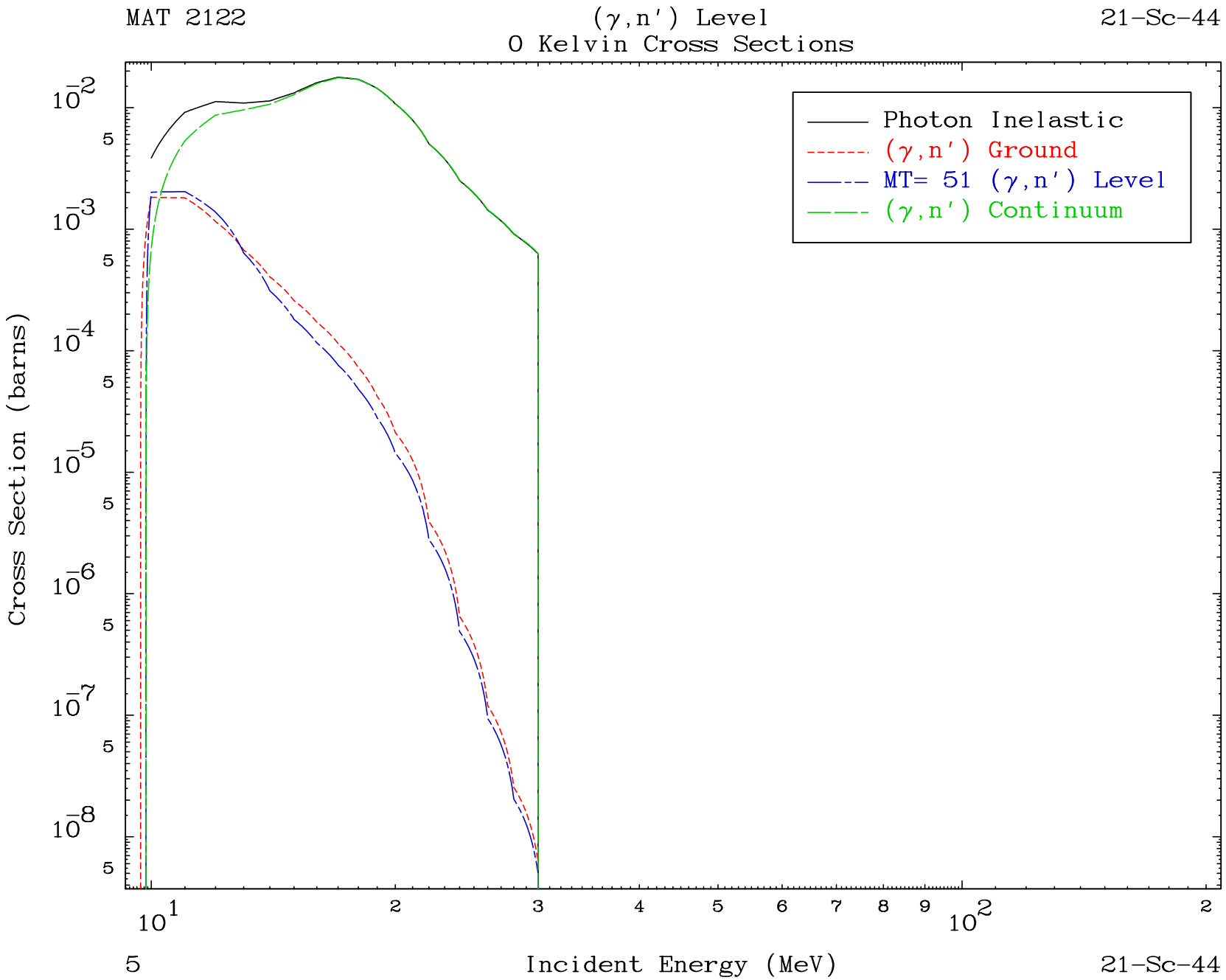
Press Mouse Button to Start

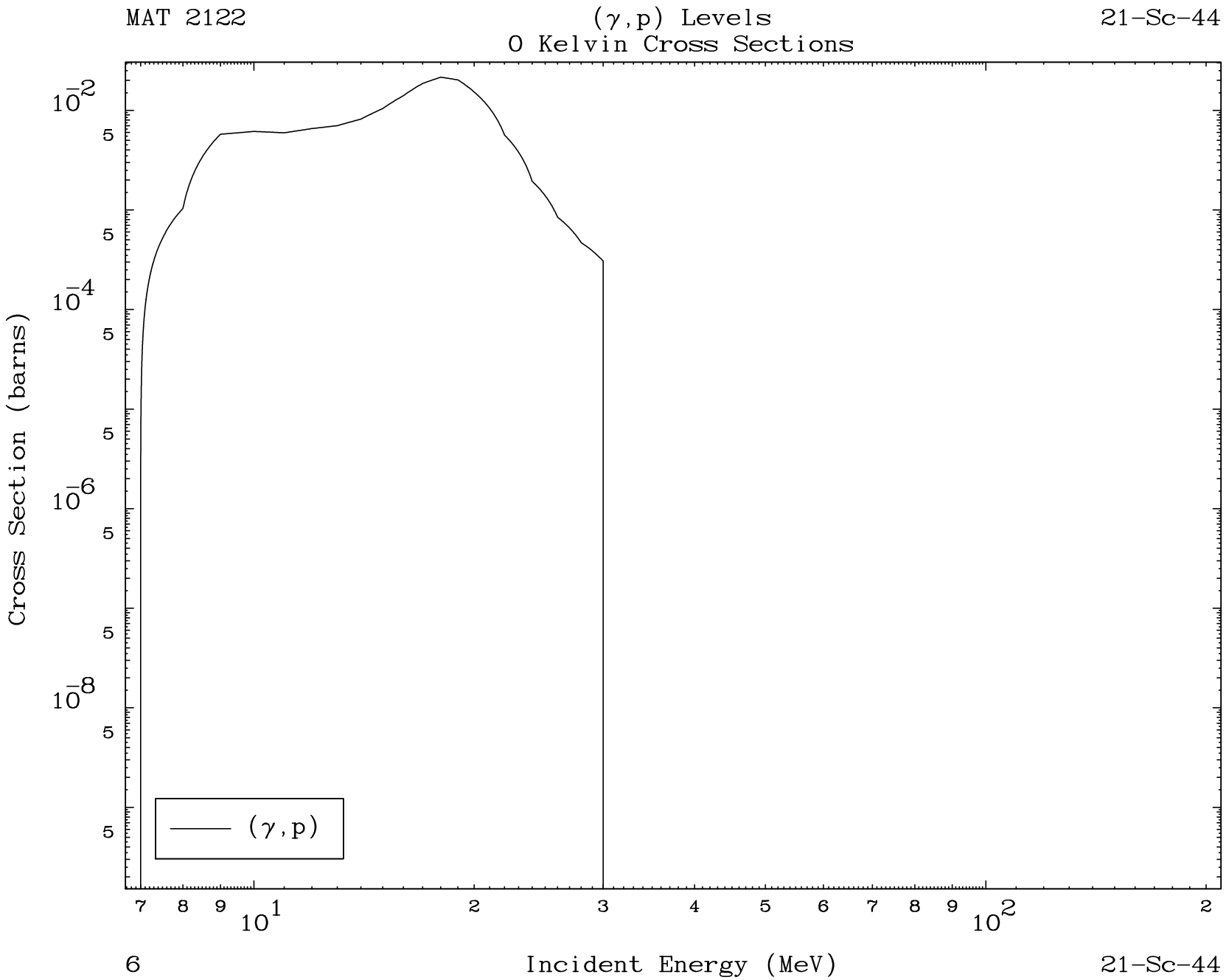

MAT 2122
Photon Major
21-Sc-44
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
21-Sc-44

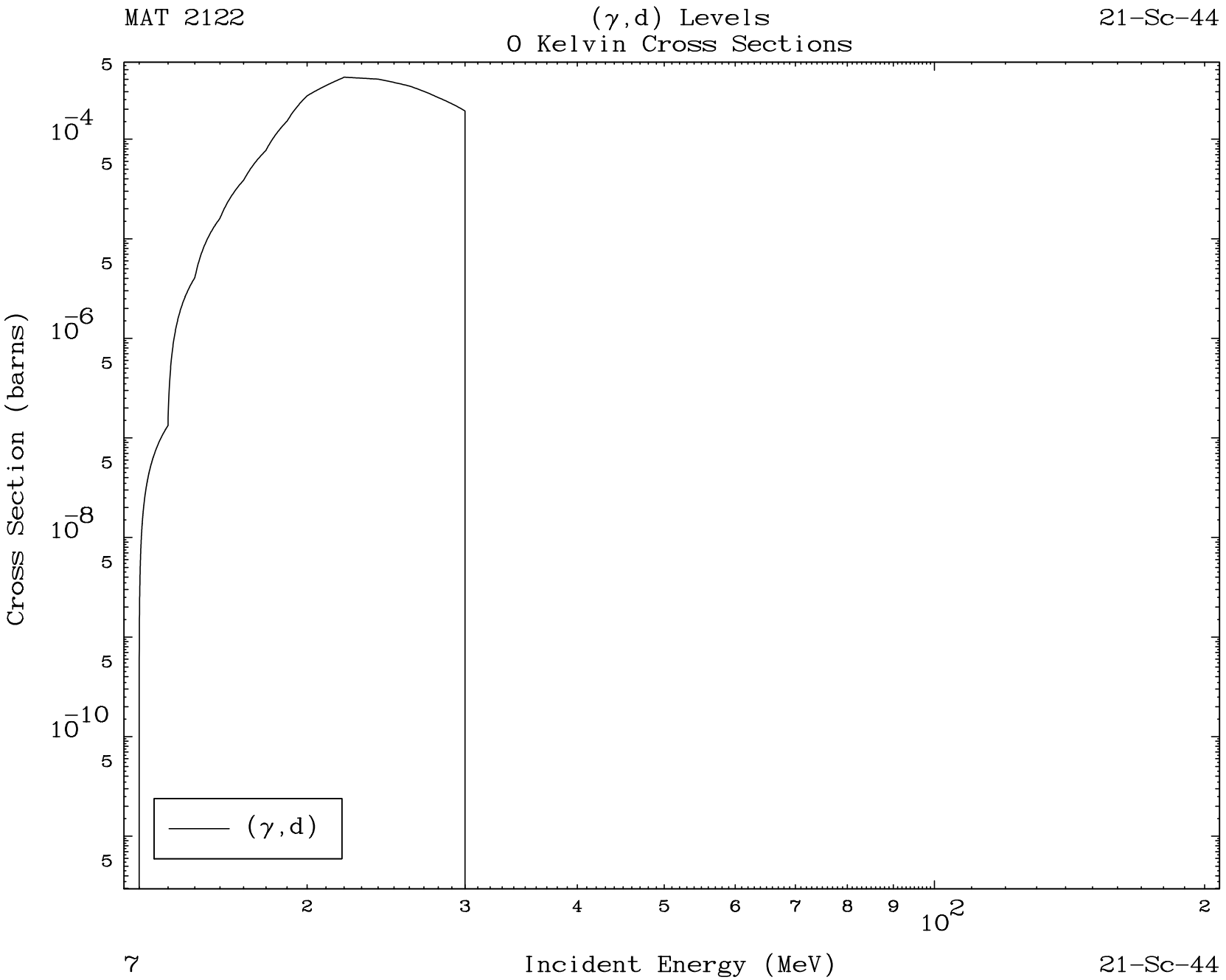

MAT 2122
Photon Neutron Production
0 Kelvin Cross Sections
21-Sc-44
Cross Section (barns)
Incident Energy (MeV)
21-Sc-44
(γ,2n)
(γ,n') α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p

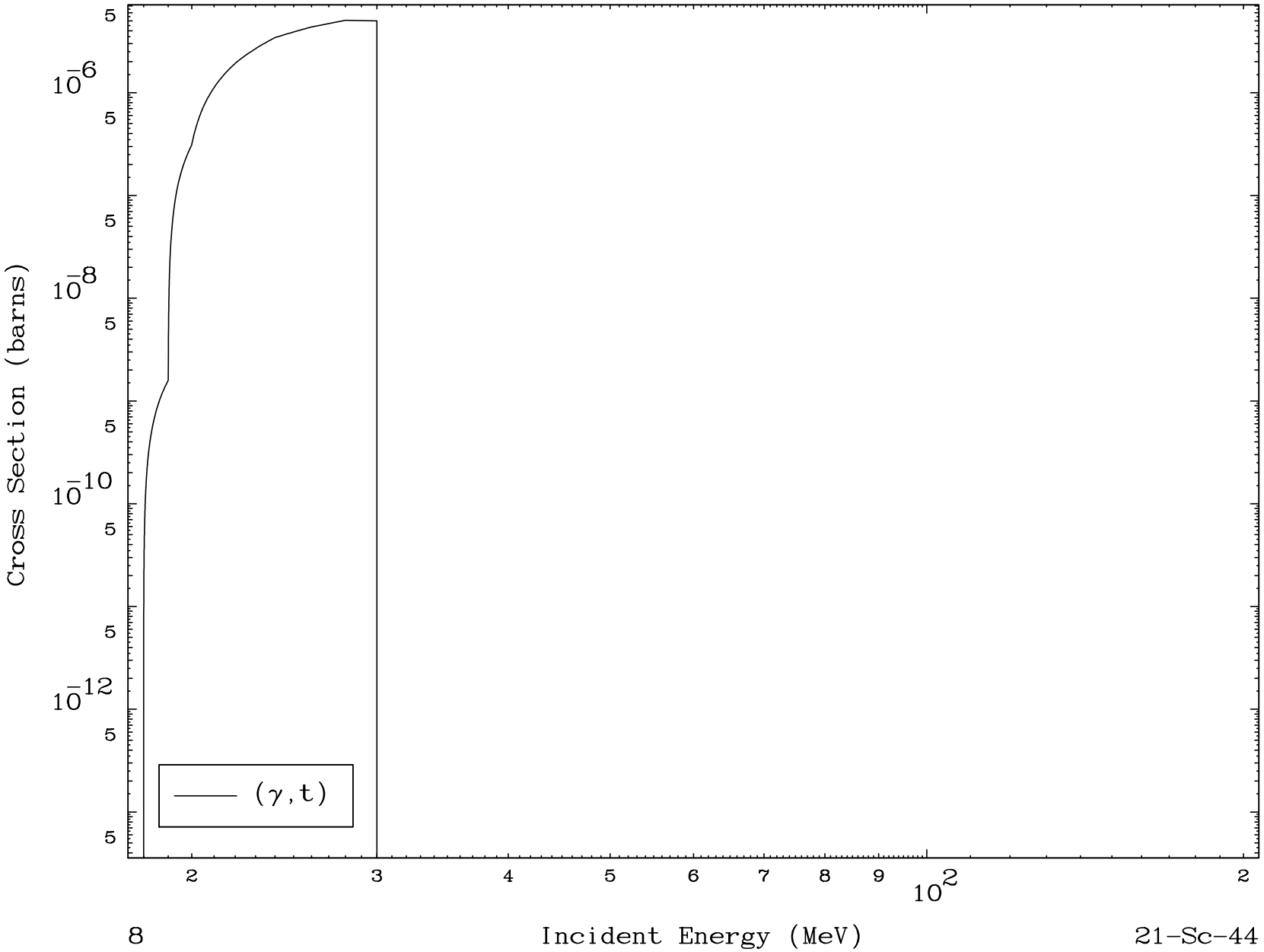

MAT 2122
Photon Charged Particle
0 Kelvin Cross Sections
21-Sc-44
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
3
21-Sc-44

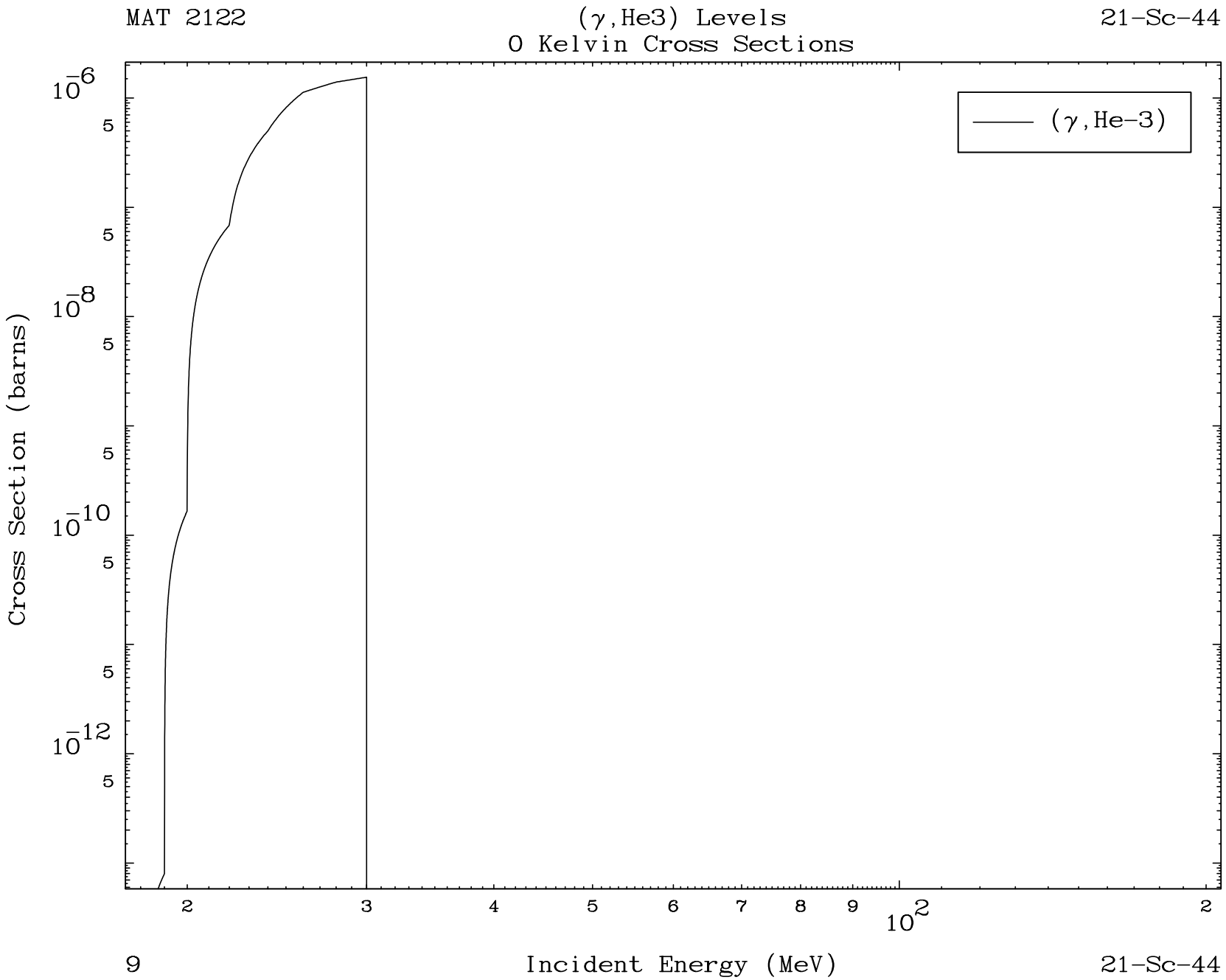

MAT 2122
Photon Charged Particle
0 Kelvin Cross Sections
21-Sc-44
Cross Section (barns)
10-4
10-6
10-8
10-10
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
4
21-Sc-44

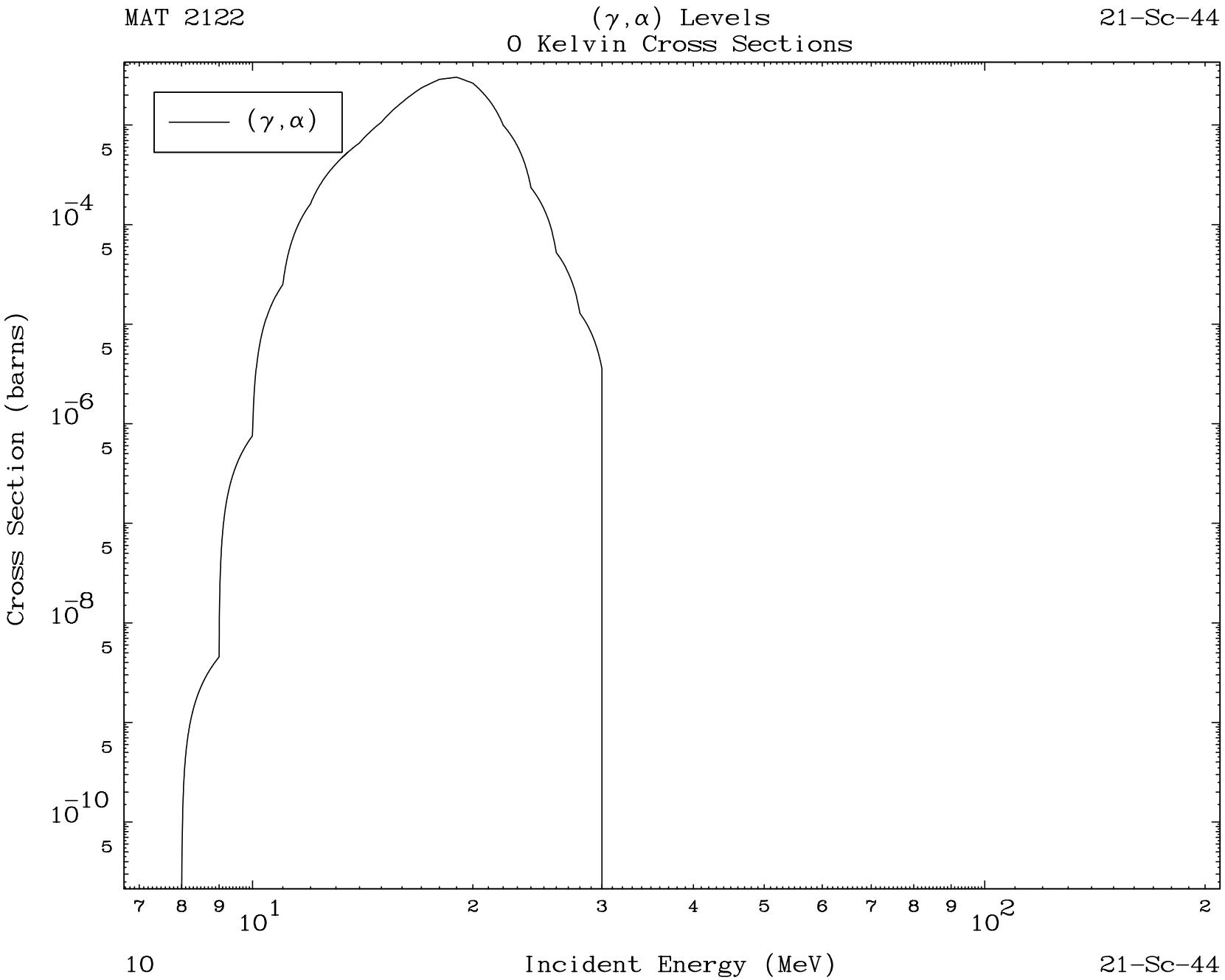

MAT 2122
(γ,n') Level
21-Sc-44
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
21-Sc-44

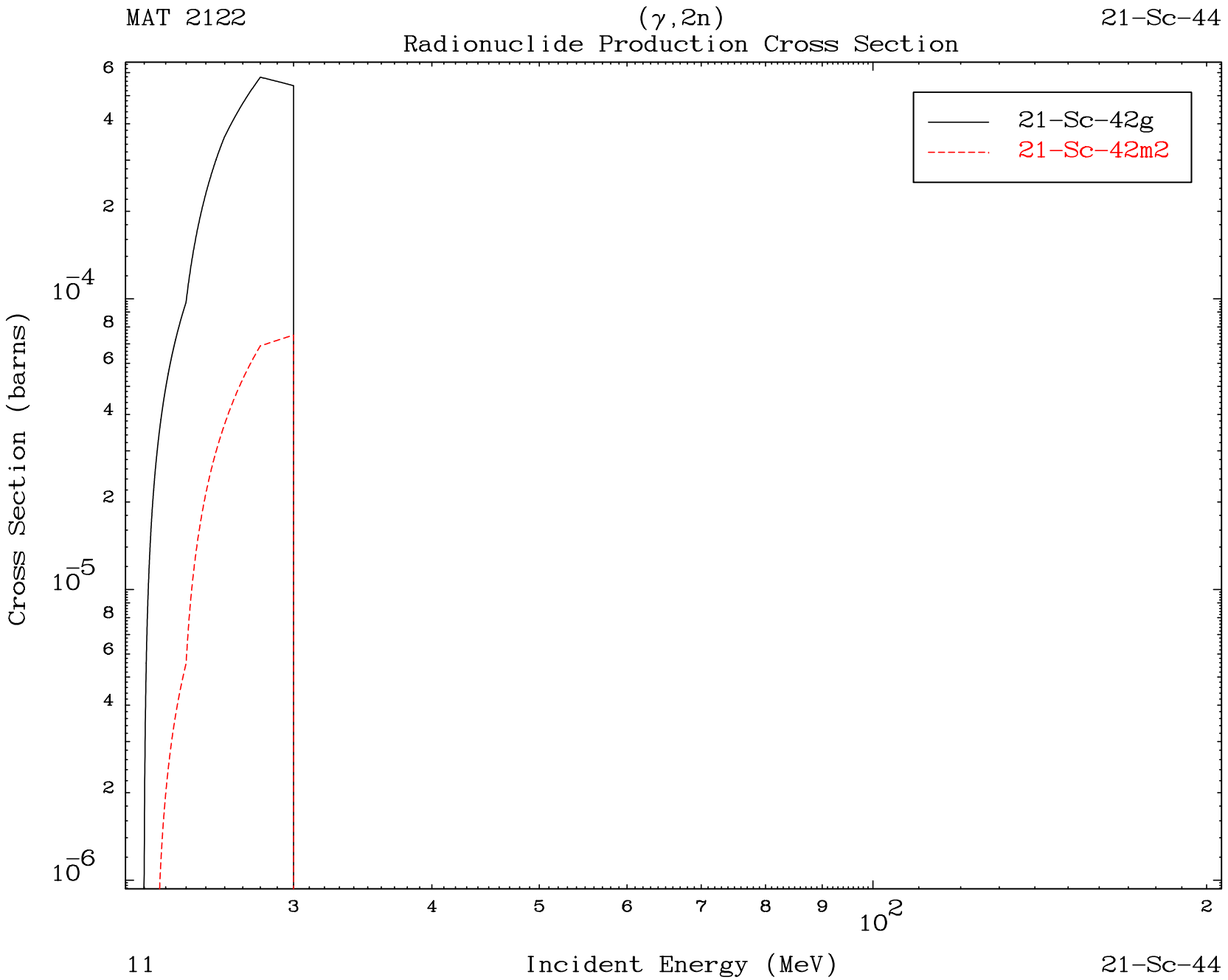

MAT 2122
(γ,p) Levels
21-Sc-44
0 Kelvin Cross Sections
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
(γ,p)
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
21-Sc-44

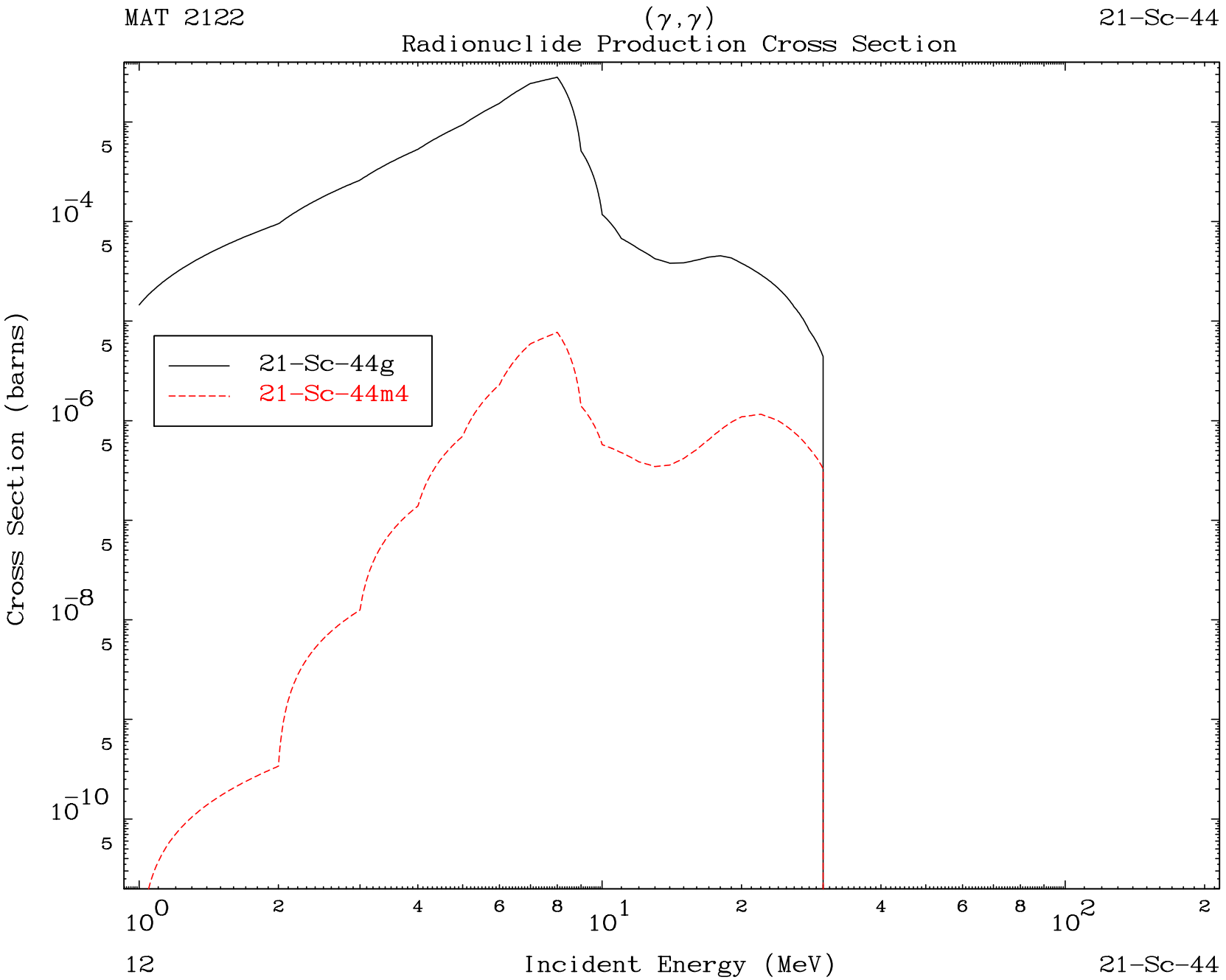

MAT 2122
(γ,d) Levels
21-Sc-44
0 Kelvin Cross Sections
Cross Section (barns)
10-4
10-6
10-8
10-10
(γ,d)
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
7
21-Sc-44


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


MAT 2122
(γ,He3) Levels
21-Sc-44
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-6
5
10-8
5
10-10
5
10-12
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
21-Sc-44


MAT 2122
(γ,α) Levels
21-Sc-44
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
21-Sc-44


MAT 2122
(γ,2n)
21-Sc-44
Radionuclide Production Cross Section
21-Sc-42g
21-Sc-42m2
Cross Section (barns)
10^-4
10^-5
10^-6
6
4
2
8
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
21-Sc-44


MAT 2122
(γ,γ)
21-Sc-44
Radionuclide Production Cross Section
Cross Section (barns)
21-Sc-44g
21-Sc-44m4
Incident Energy (MeV)
12
21-Sc-44