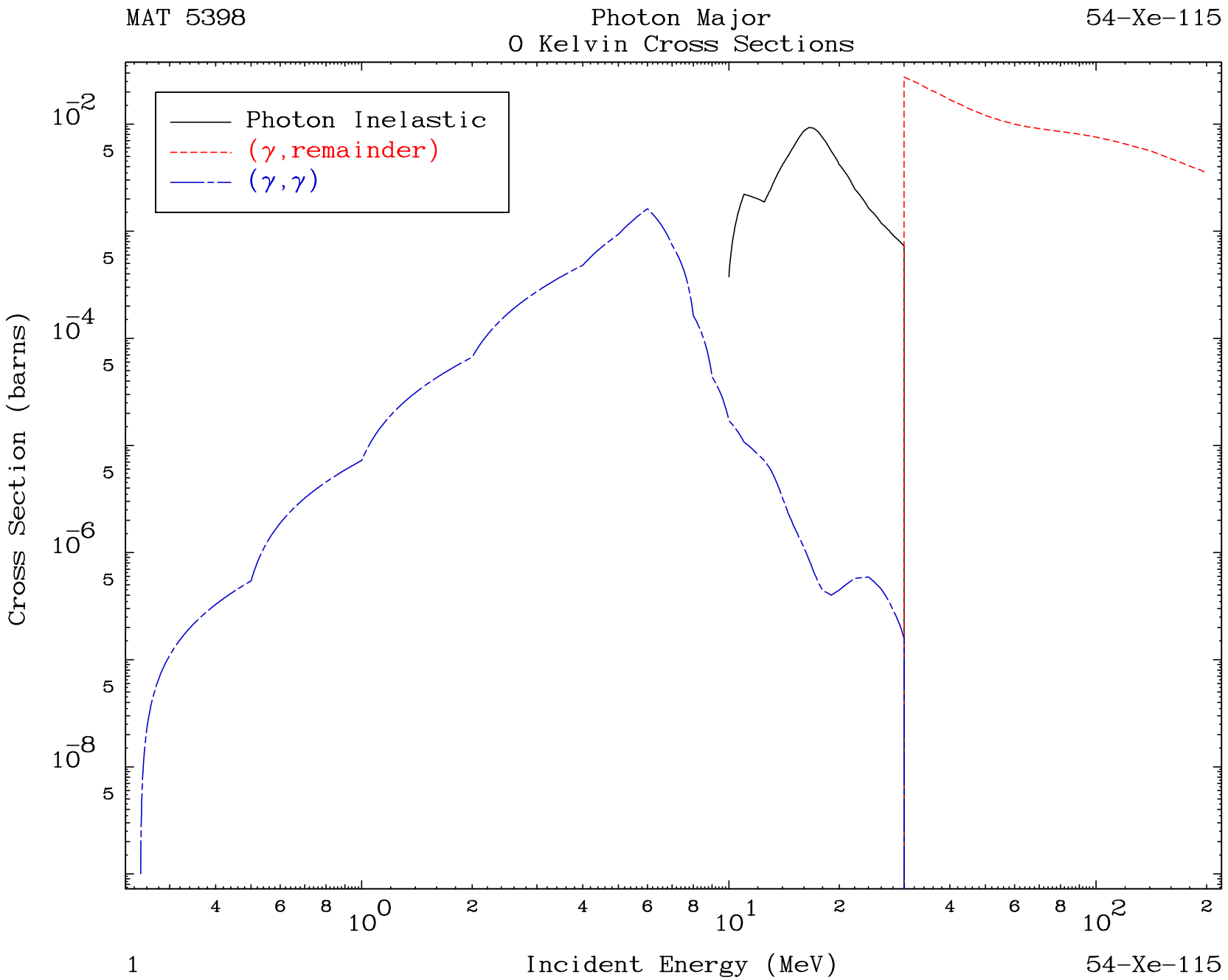
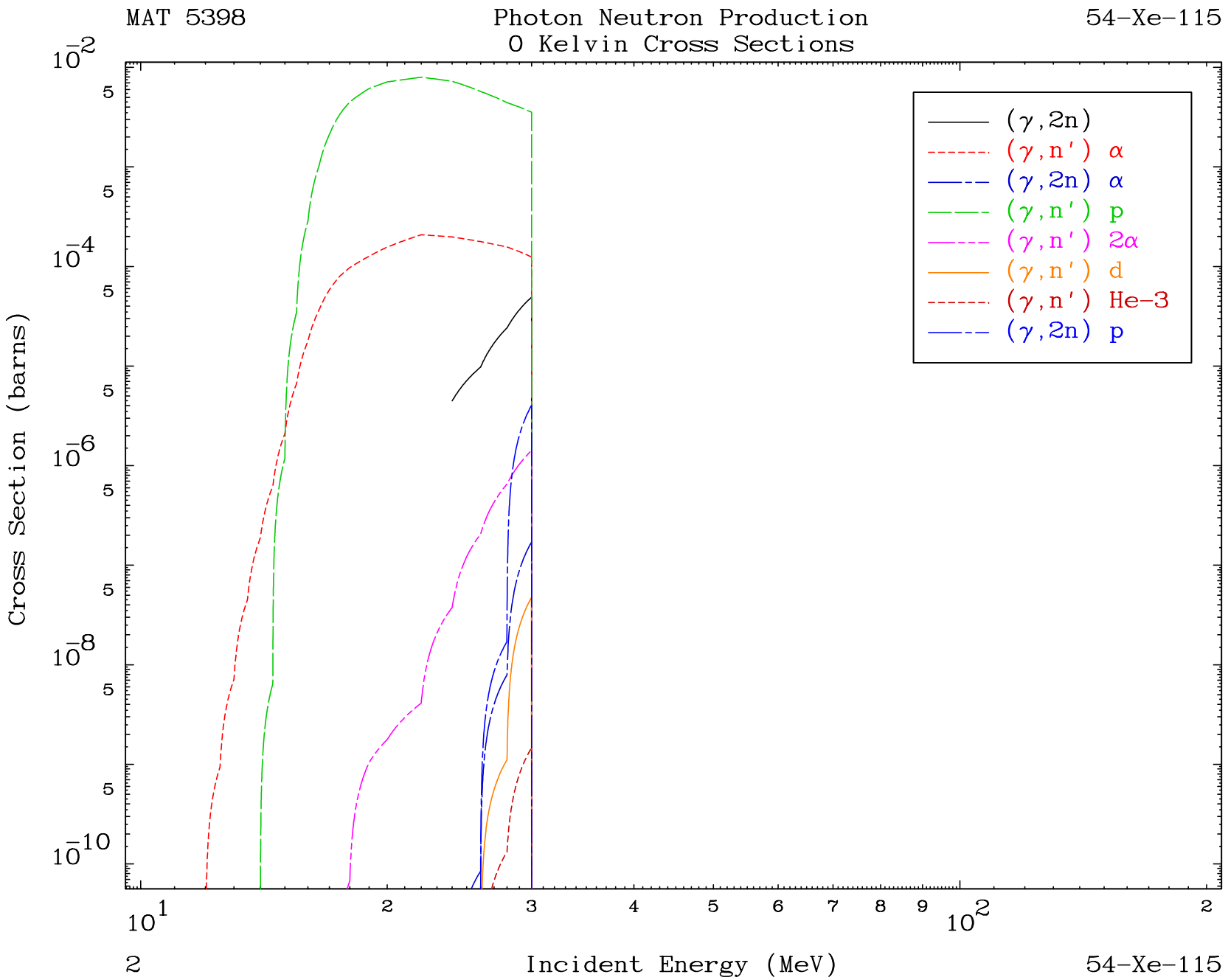
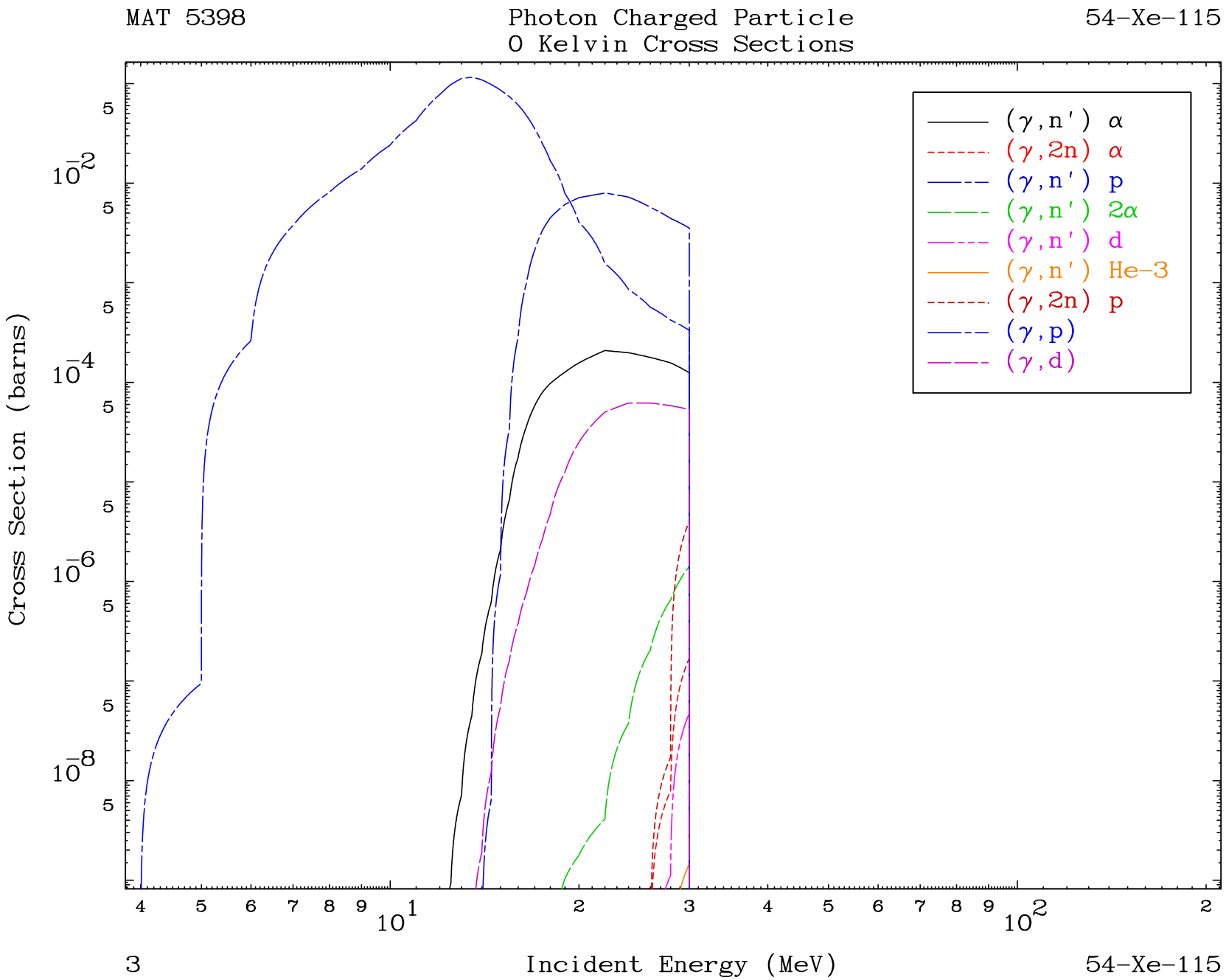
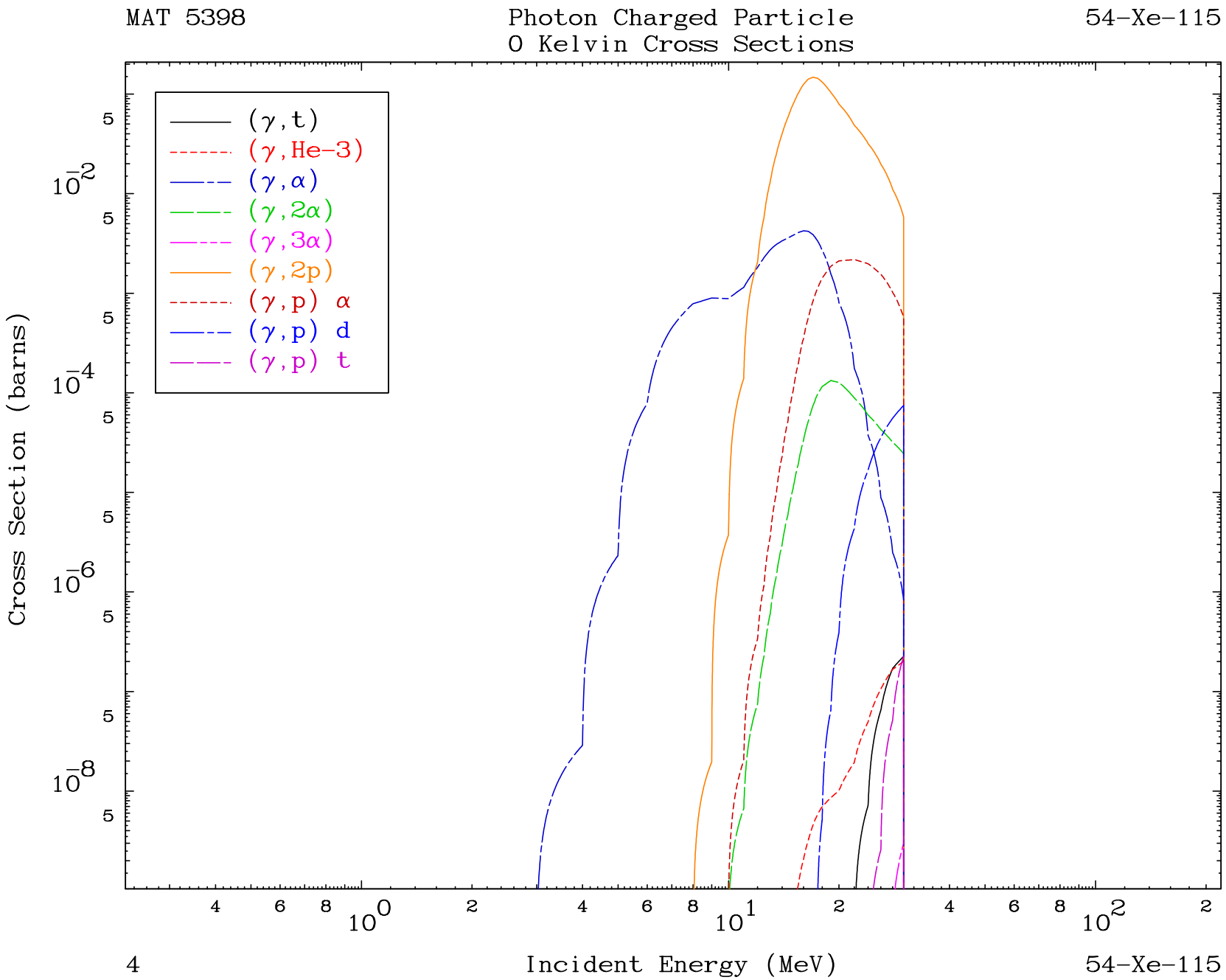
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

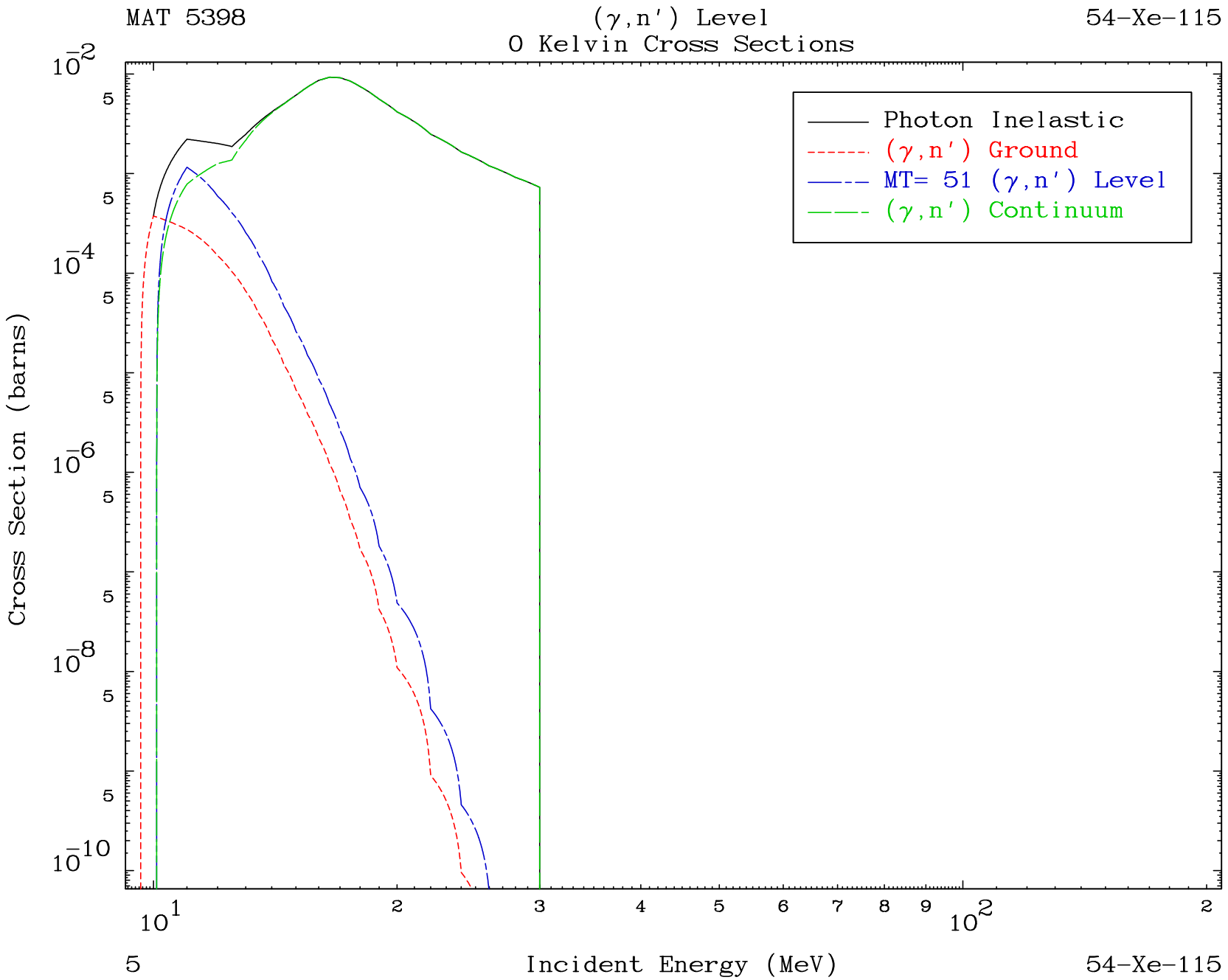
Press Mouse Button to Start

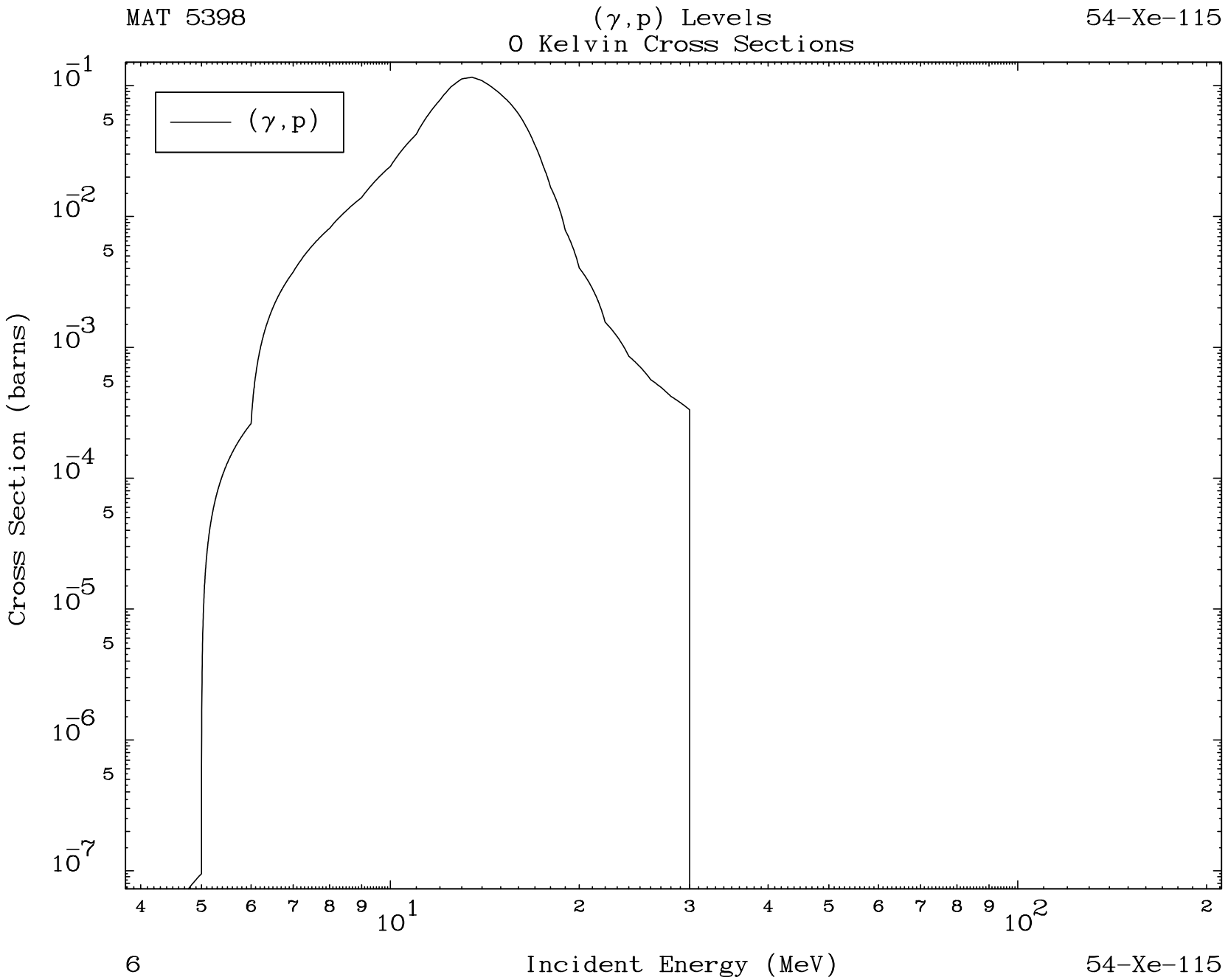

MAT 5398
Photon Major
54-Xe-115
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
54-Xe-115
1

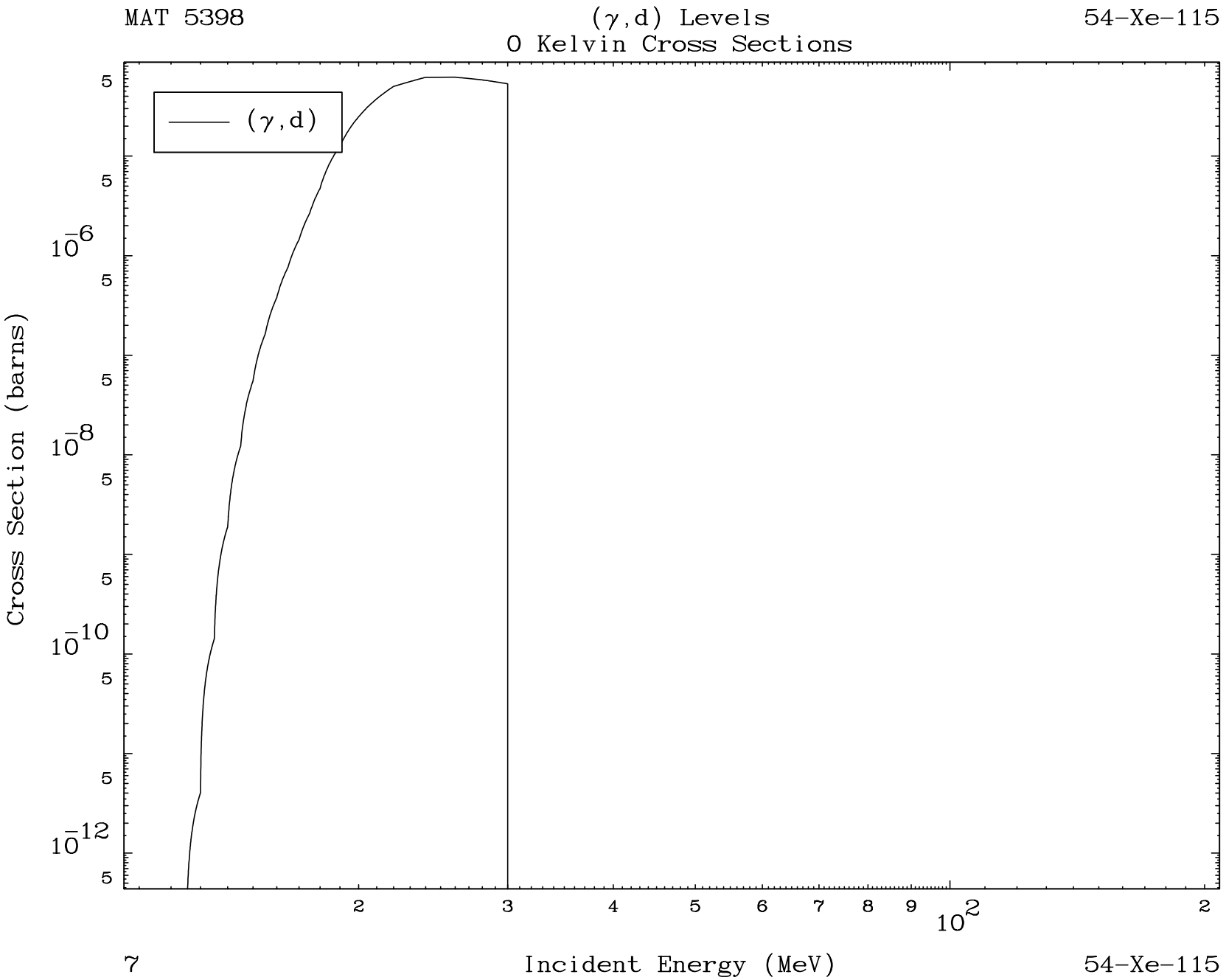

MAT 5398
Photon Neutron Production
0 Kelvin Cross Sections
54-Xe-115
Cross Section (barns)
Incident Energy (MeV)
54-Xe-115
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') He-3
(γ,2n) p

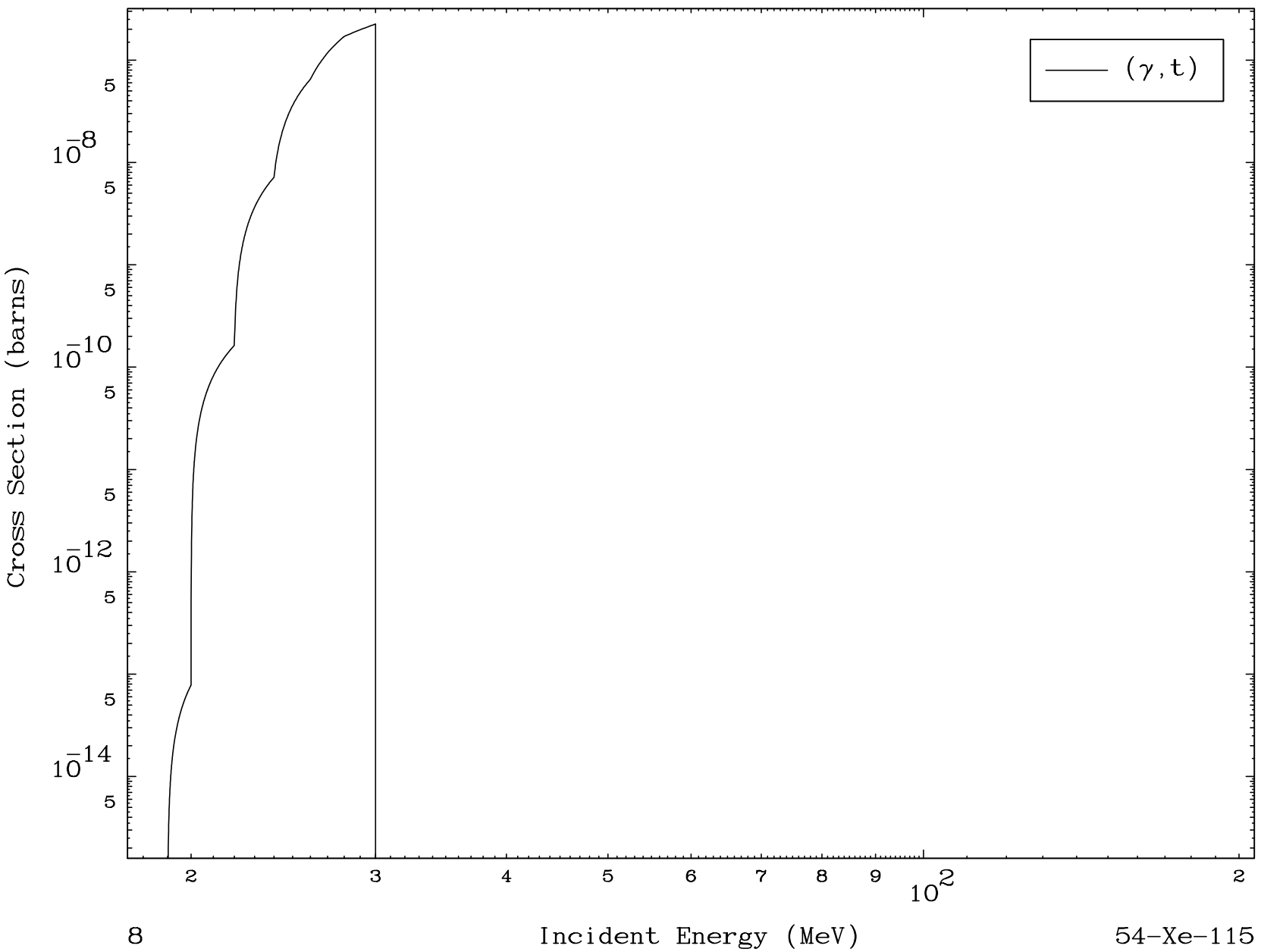

MAT 5398
Photon Charged Particle
0 Kelvin Cross Sections
54-Xe-115
Cross Section (barns)
10-2
10-4
10-6
10-8
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') He-3
(γ,2n) p
(γ,p)
(γ,d)
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
3
54-Xe-115

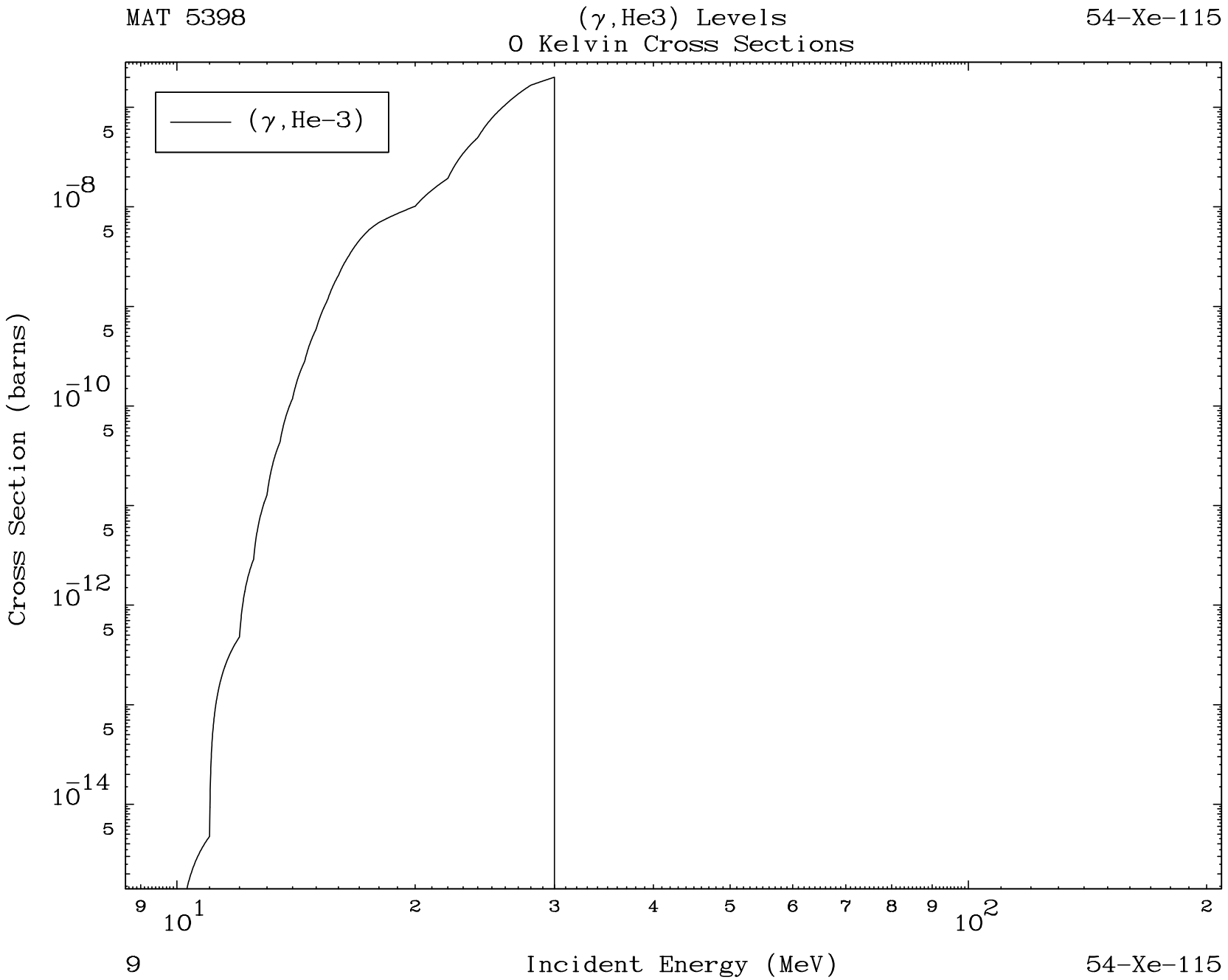

MAT 5398
Photon Charged Particle
0 Kelvin Cross Sections
54-Xe-115
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,3α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
54-Xe-115

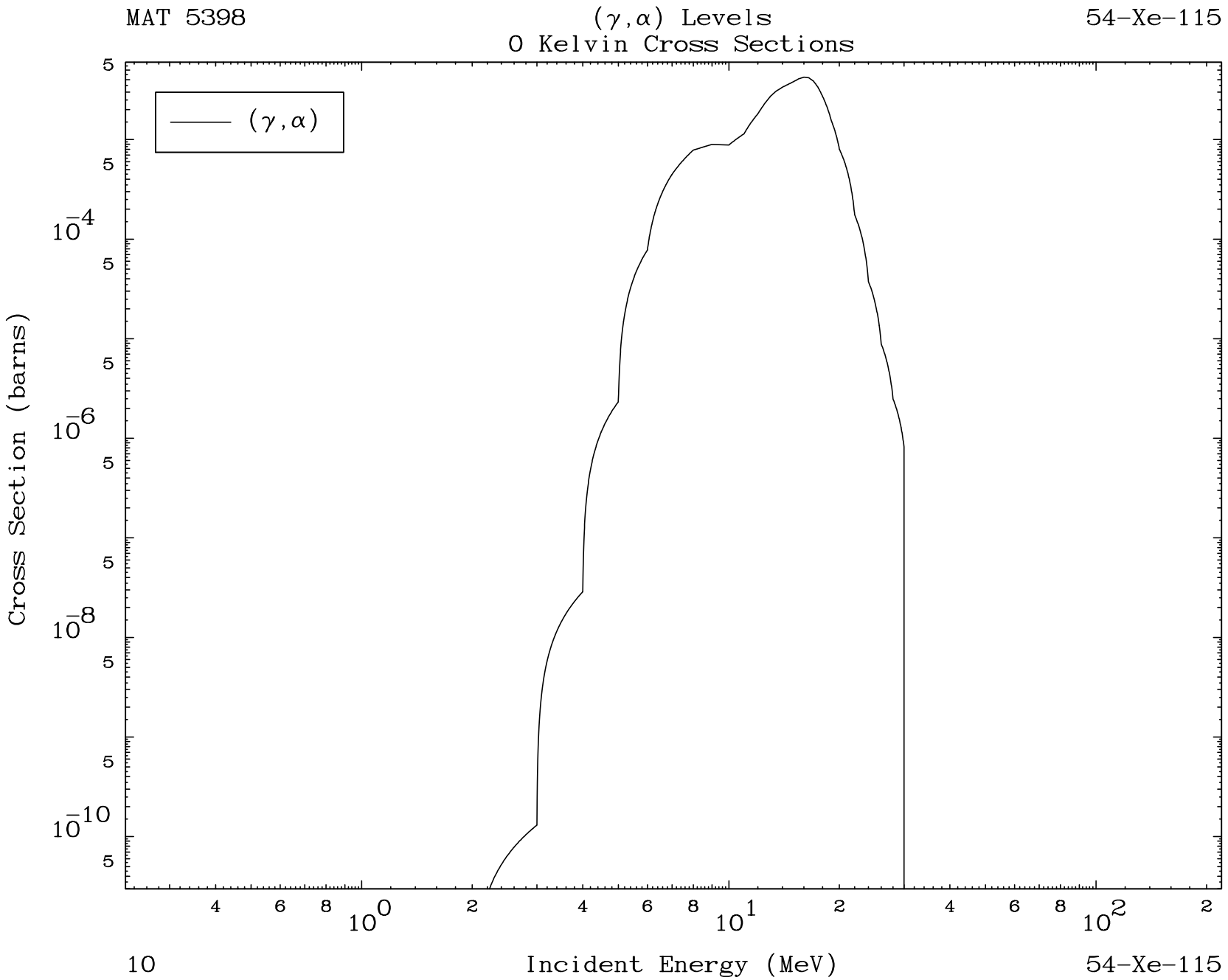

MAT 5398
(γ,n') Level
54-Xe-115
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
54-Xe-115

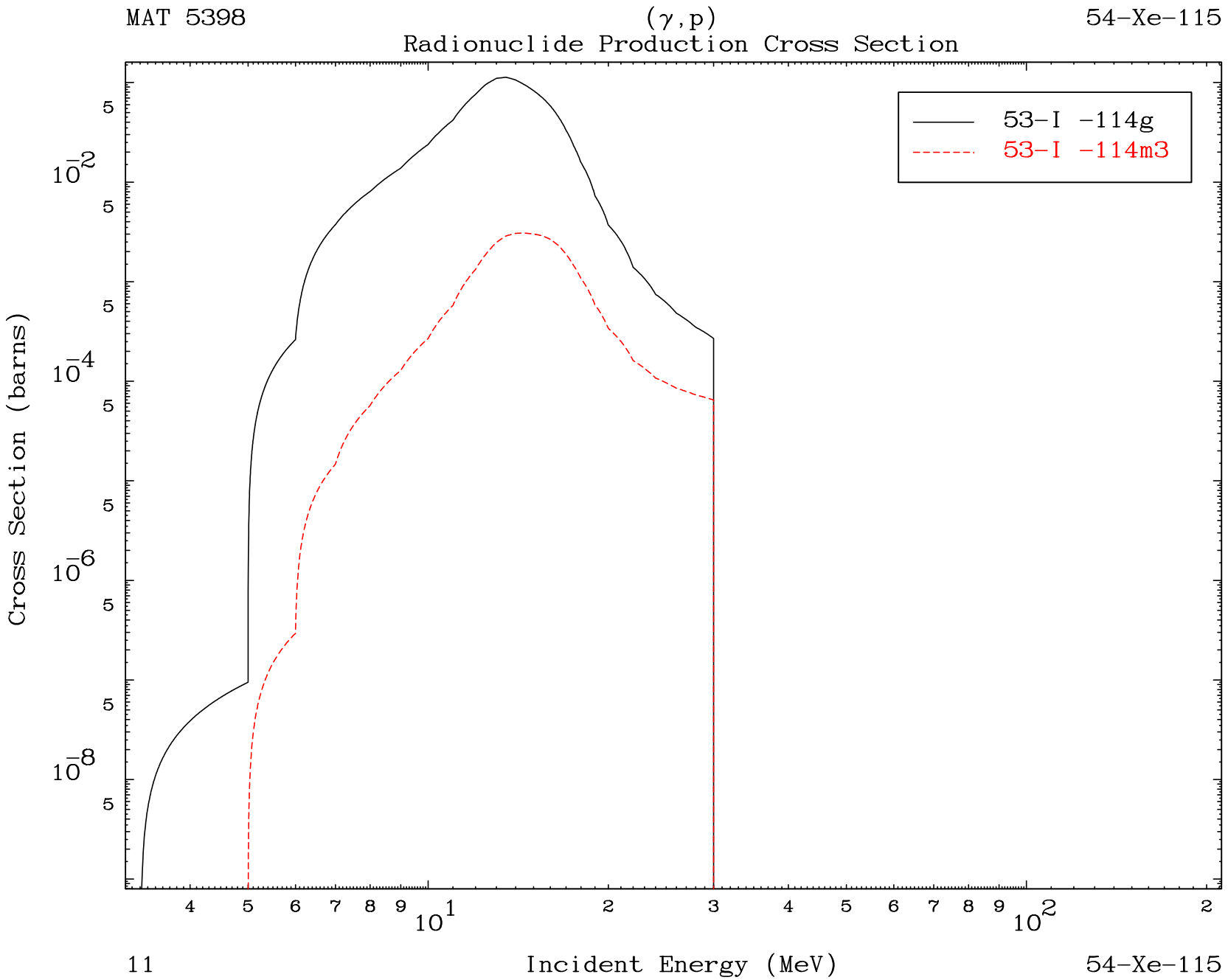

MAT 5398
(γ,p) Levels
54-Xe-115
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
Incident Energy (MeV)
6
54-Xe-115


MAT 5398
(γ,d) Levels
54-Xe-115
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
54-Xe-115


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 5398
(γ,He3) Levels
54-Xe-115
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
54-Xe-115


MAT 5398
(γ,α) Levels
54-Xe-115
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10
Incident Energy (MeV)
54-Xe-115


MAT 5398
(γ,p)
54-Xe-115
Radionuclide Production Cross Section
53-I -114g
53-I -114m3
Cross Section (barns)
Incident Energy (MeV)
11
54-Xe-115