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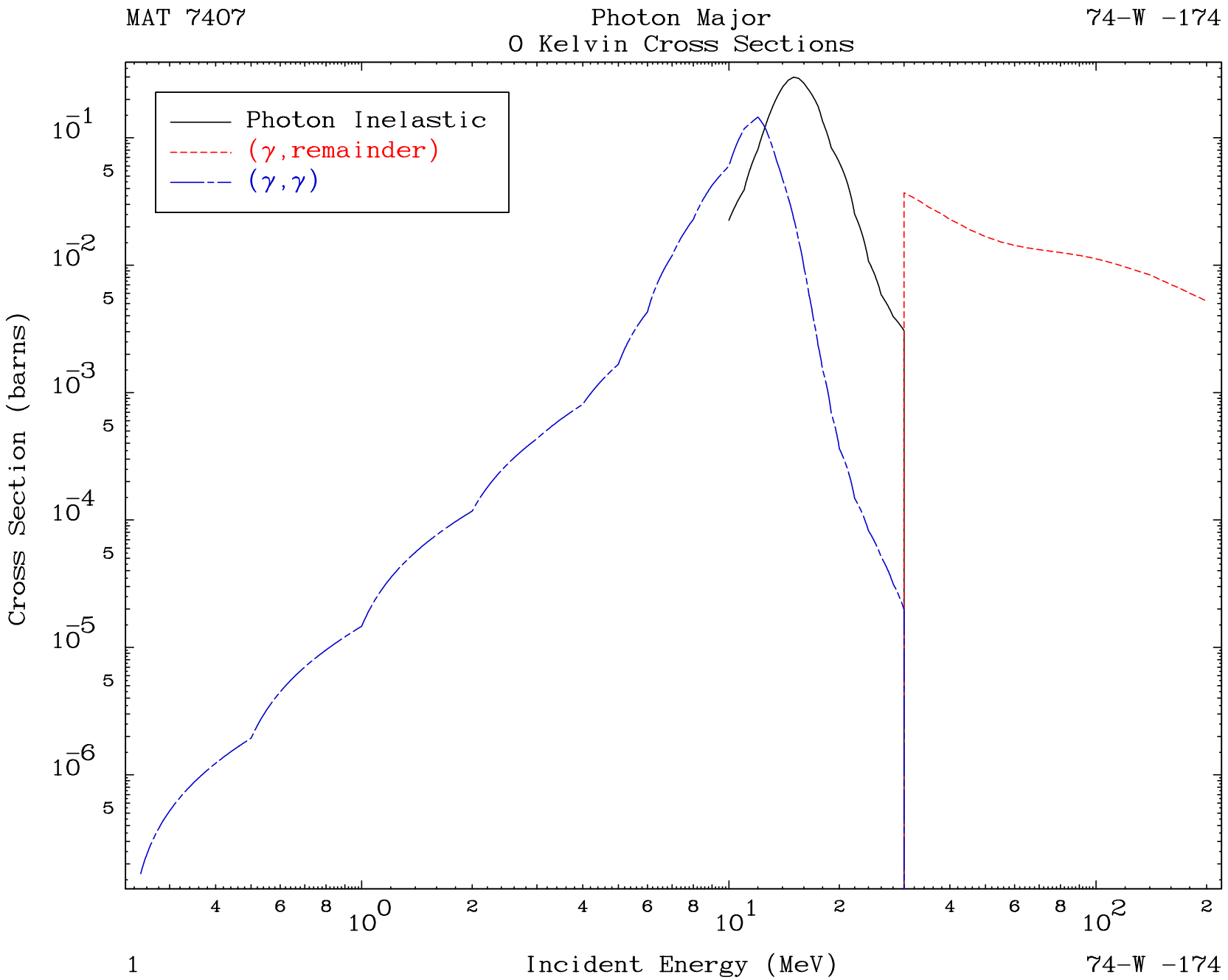
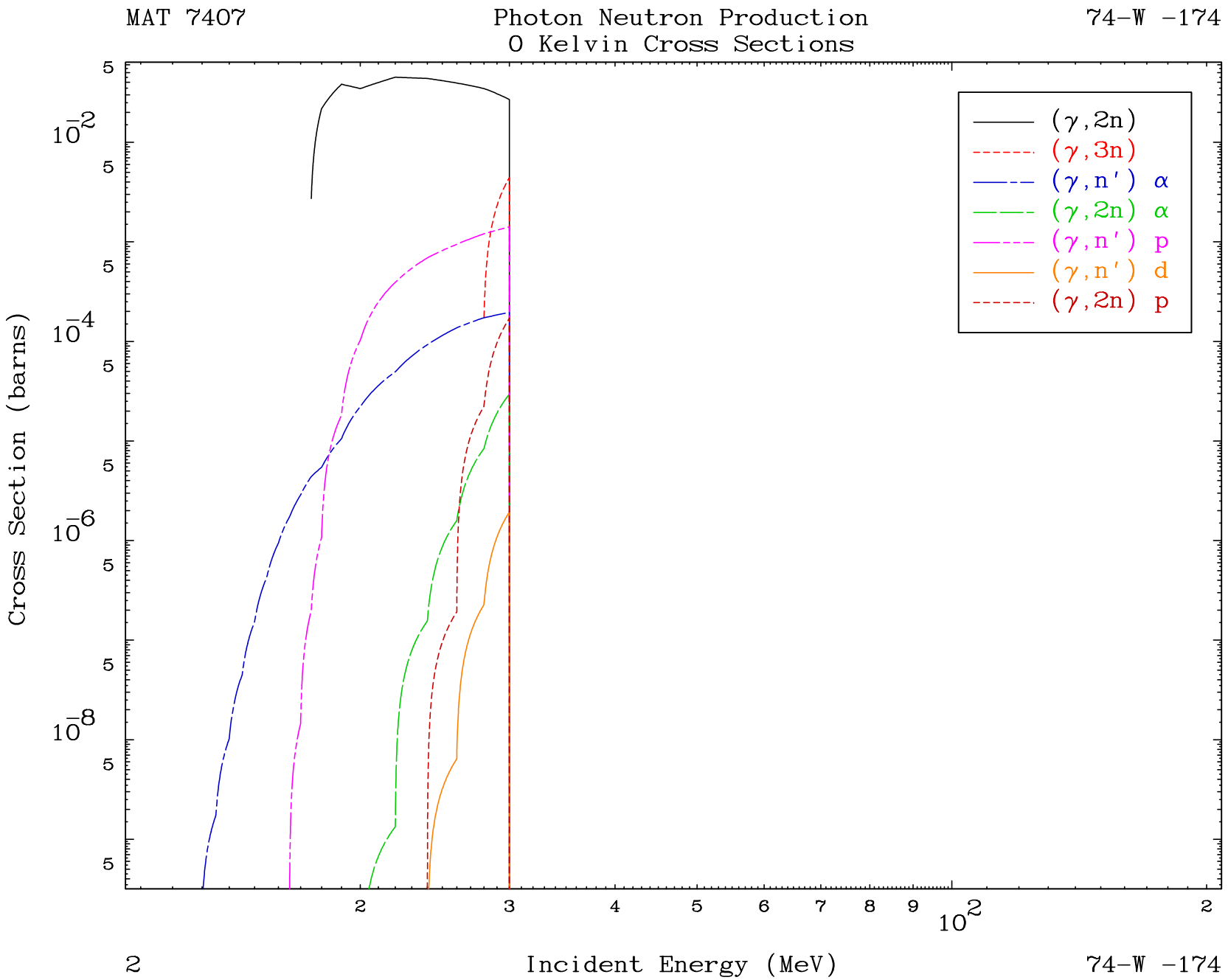
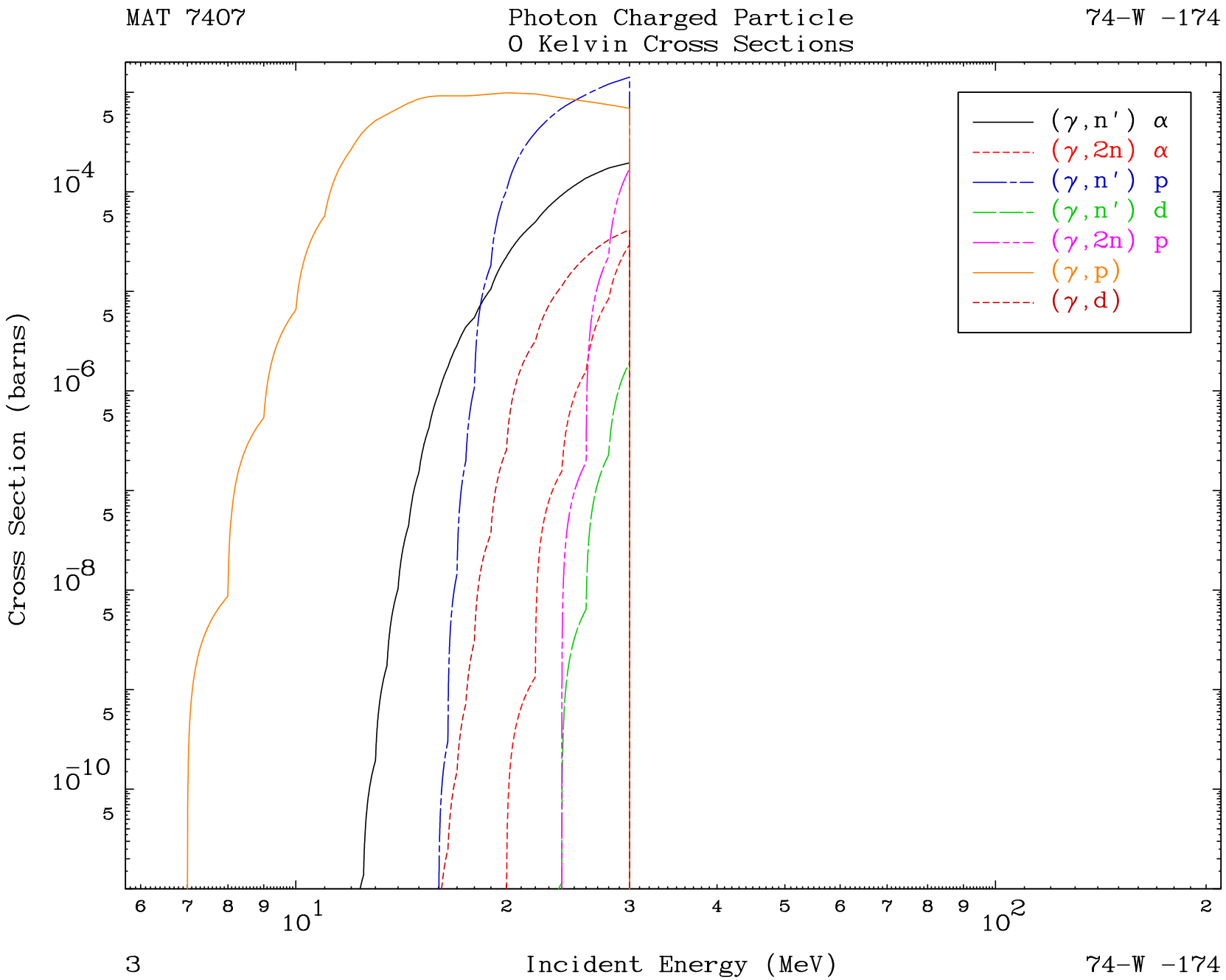
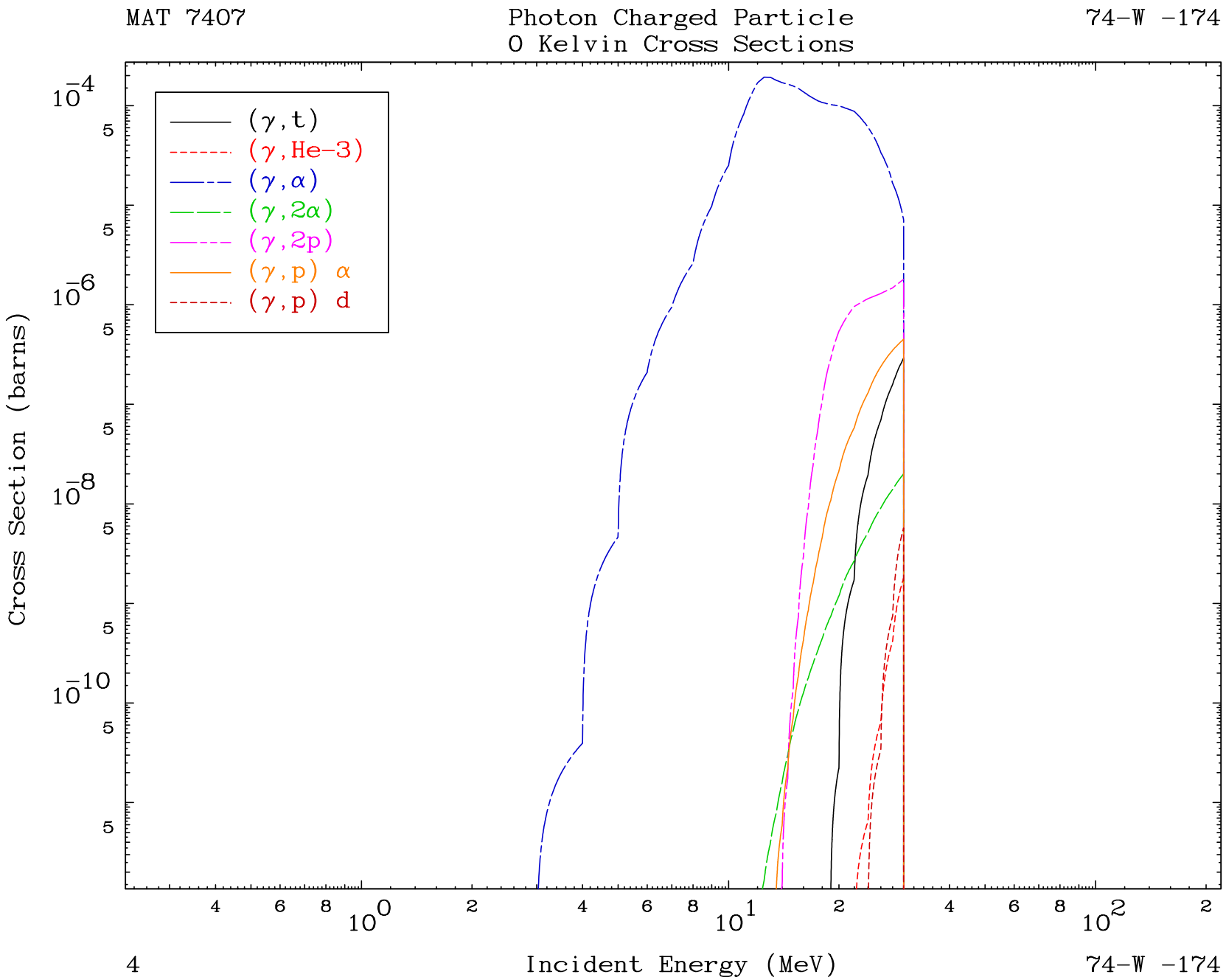
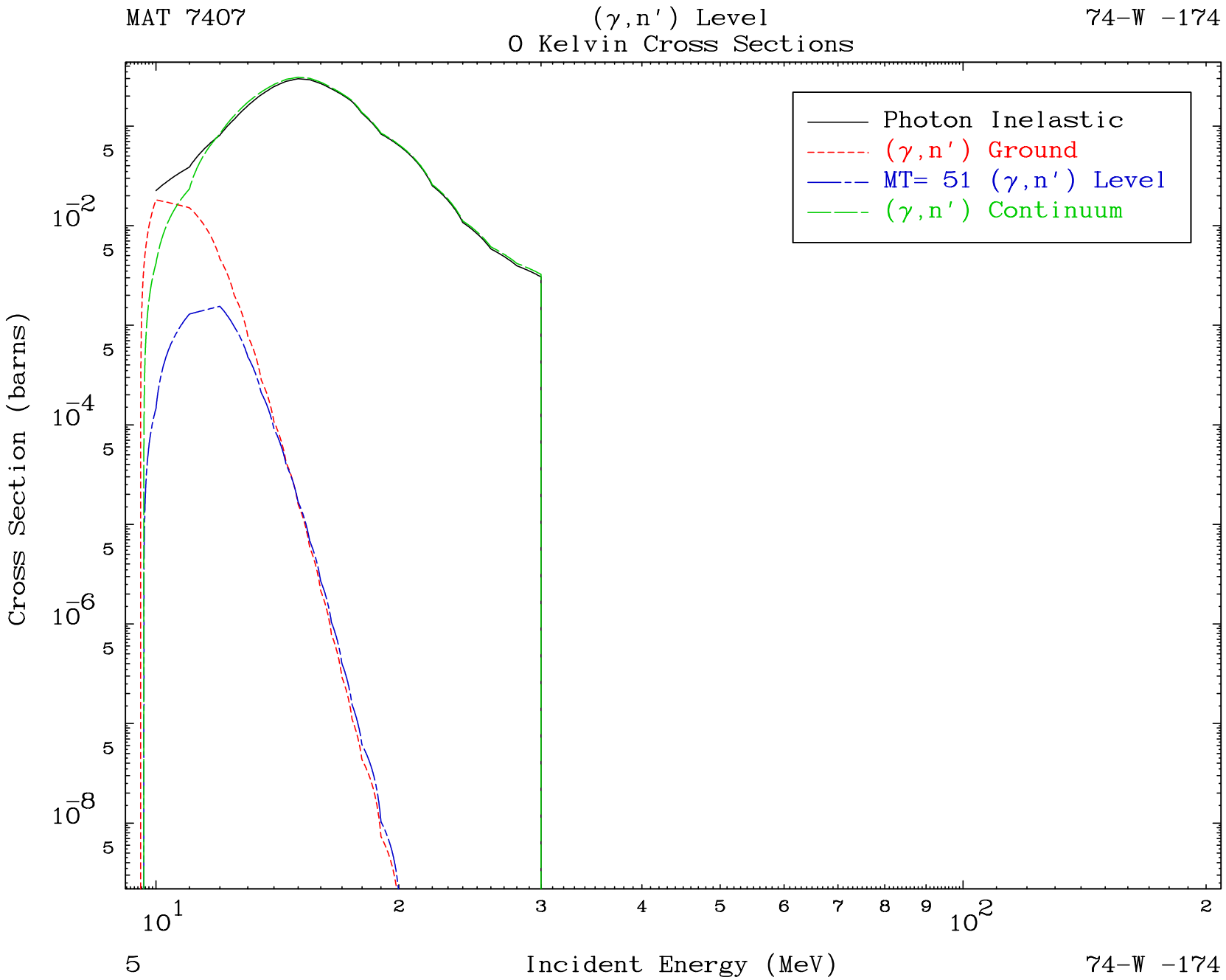
Press Mouse Button to Start

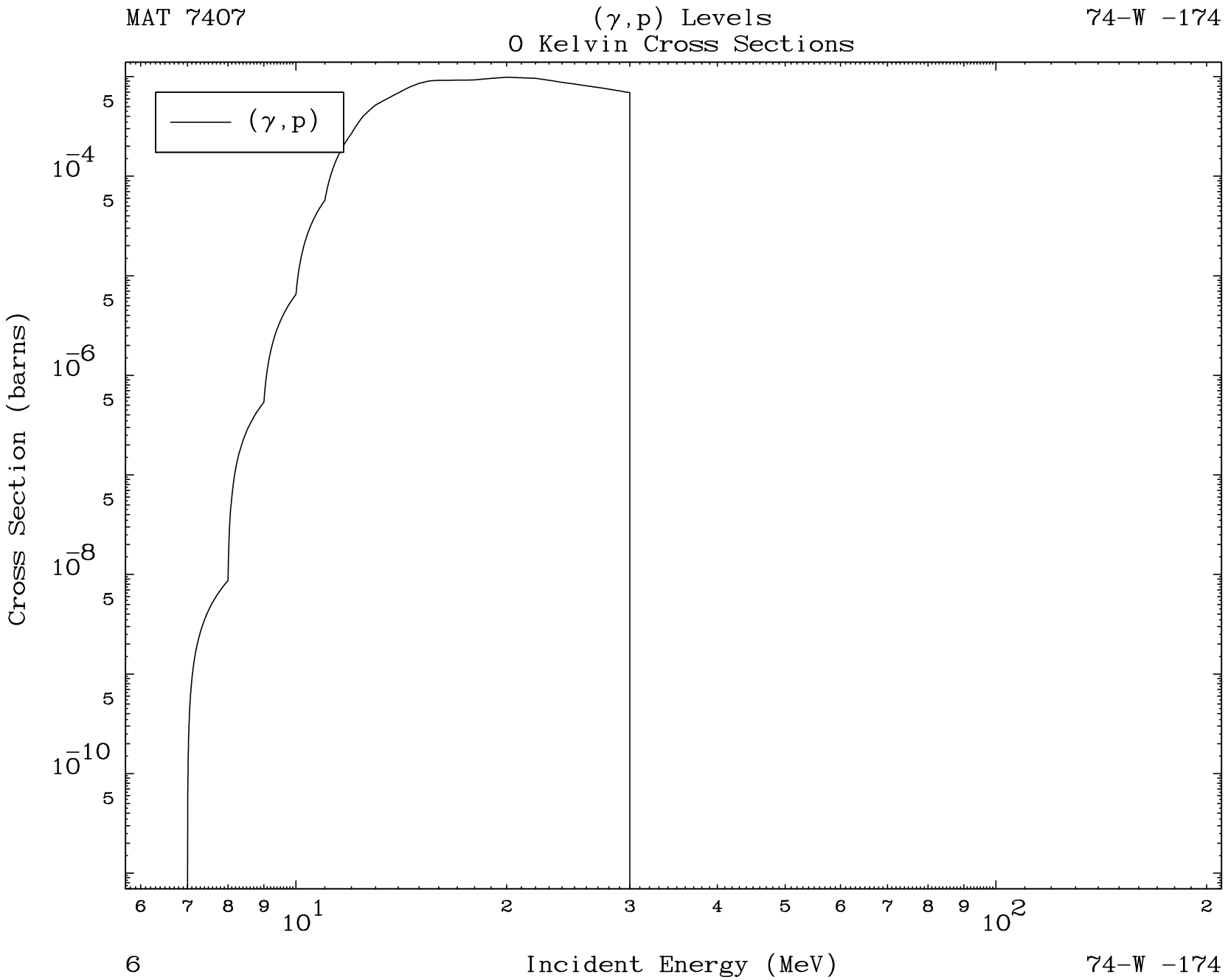

MAT 7407
Photon Major
74-W -174
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
74-W -174
1

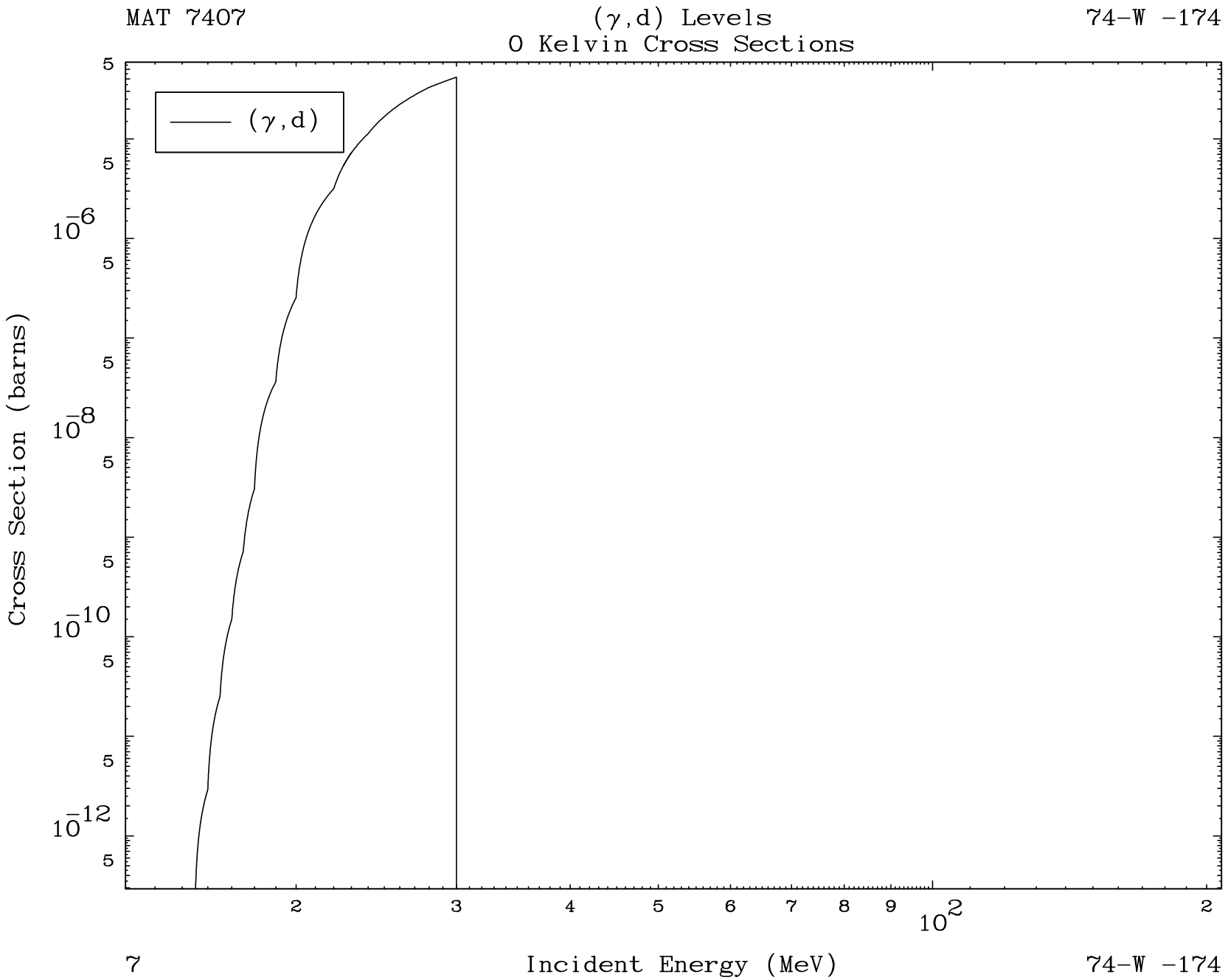

MAT 7407
Photon Neutron Production
0 Kelvin Cross Sections
74-W -174
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,2n) p
Cross Section (barns)
Incident Energy (MeV)
74-W -174
2

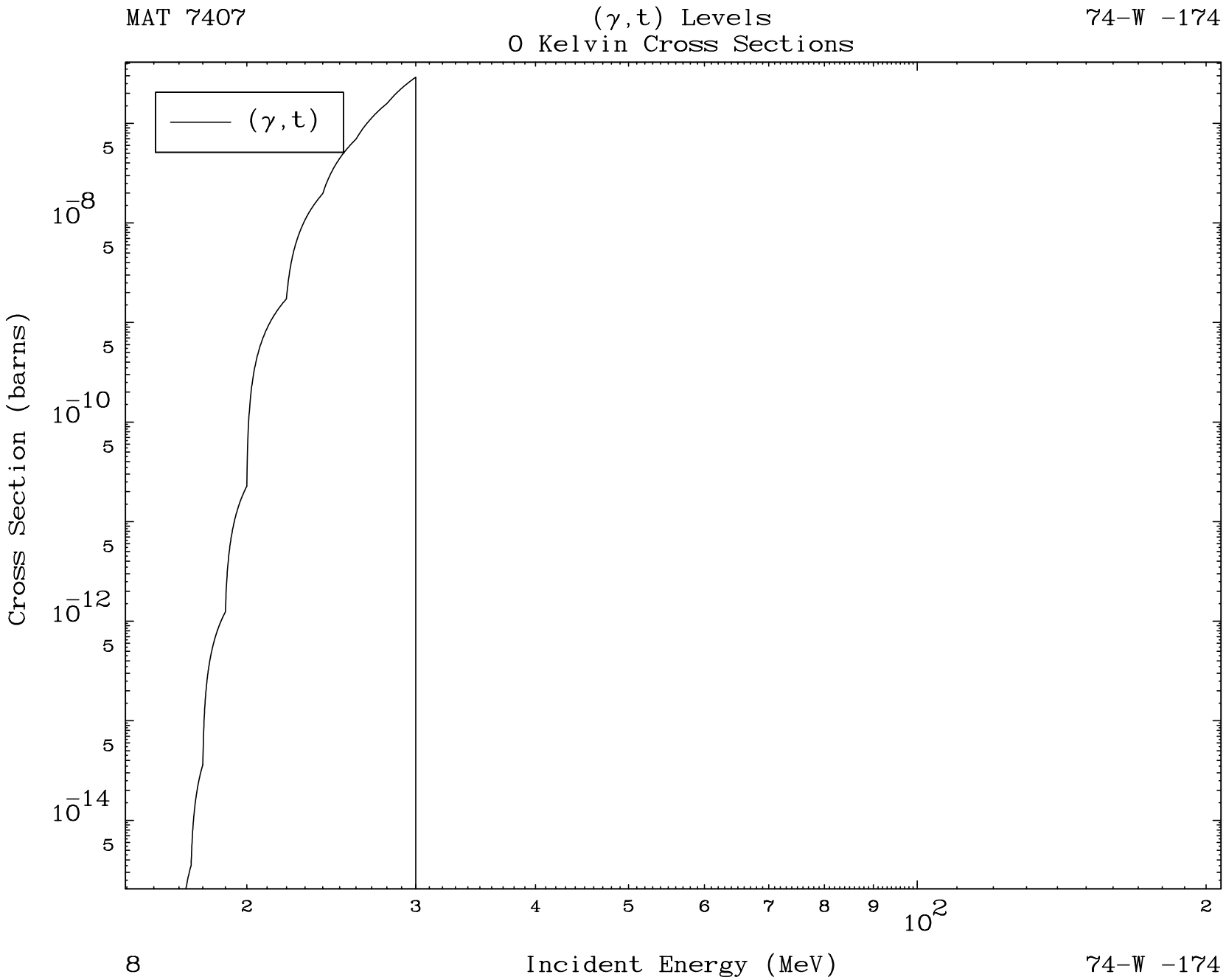

MAT 7407
Photon Charged Particle
0 Kelvin Cross Sections
74-W -174
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
3
74-W -174

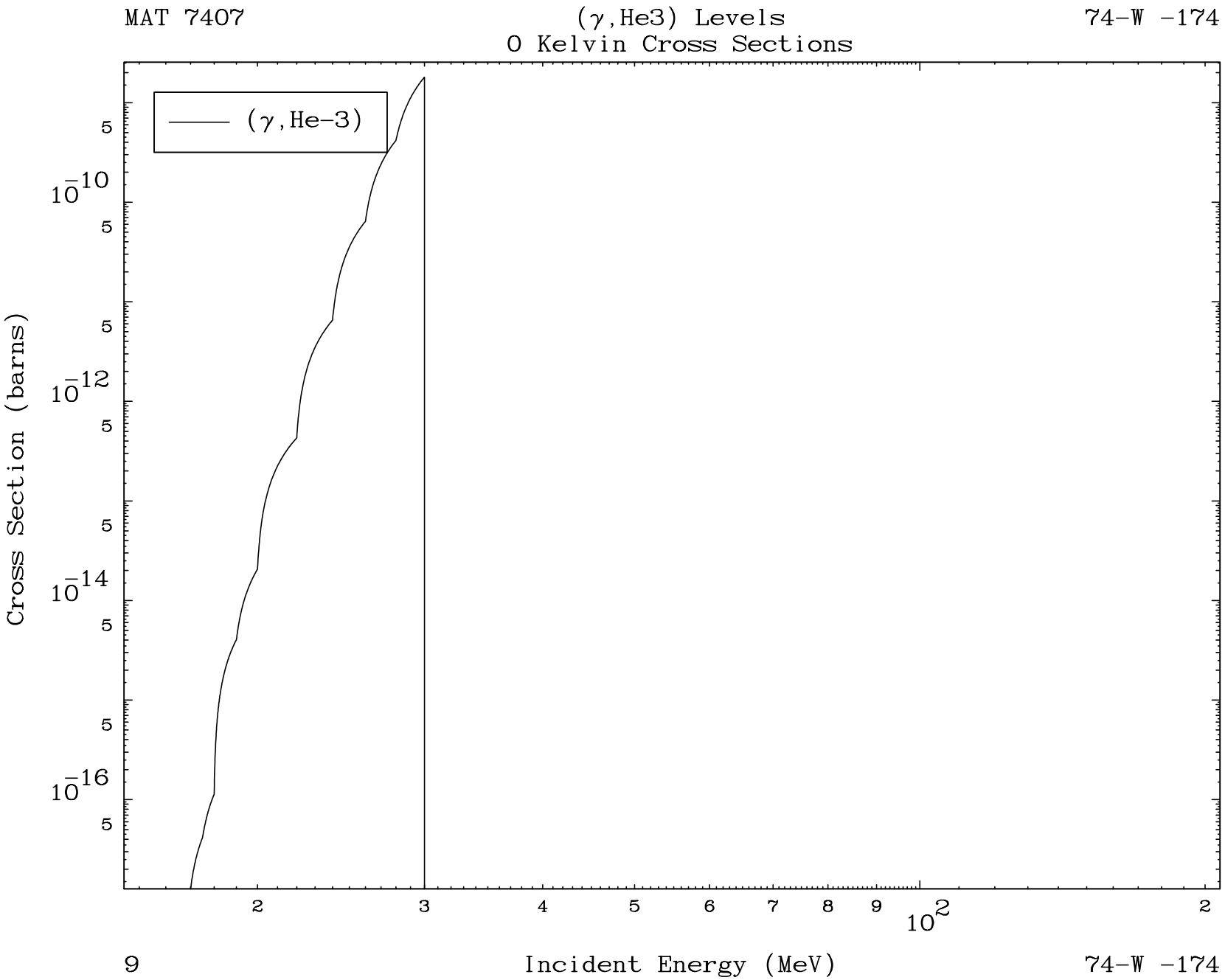

MAT 7407
Photon Charged Particle
0 Kelvin Cross Sections
74-W -174
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
Incident Energy (MeV)
4
74-W -174

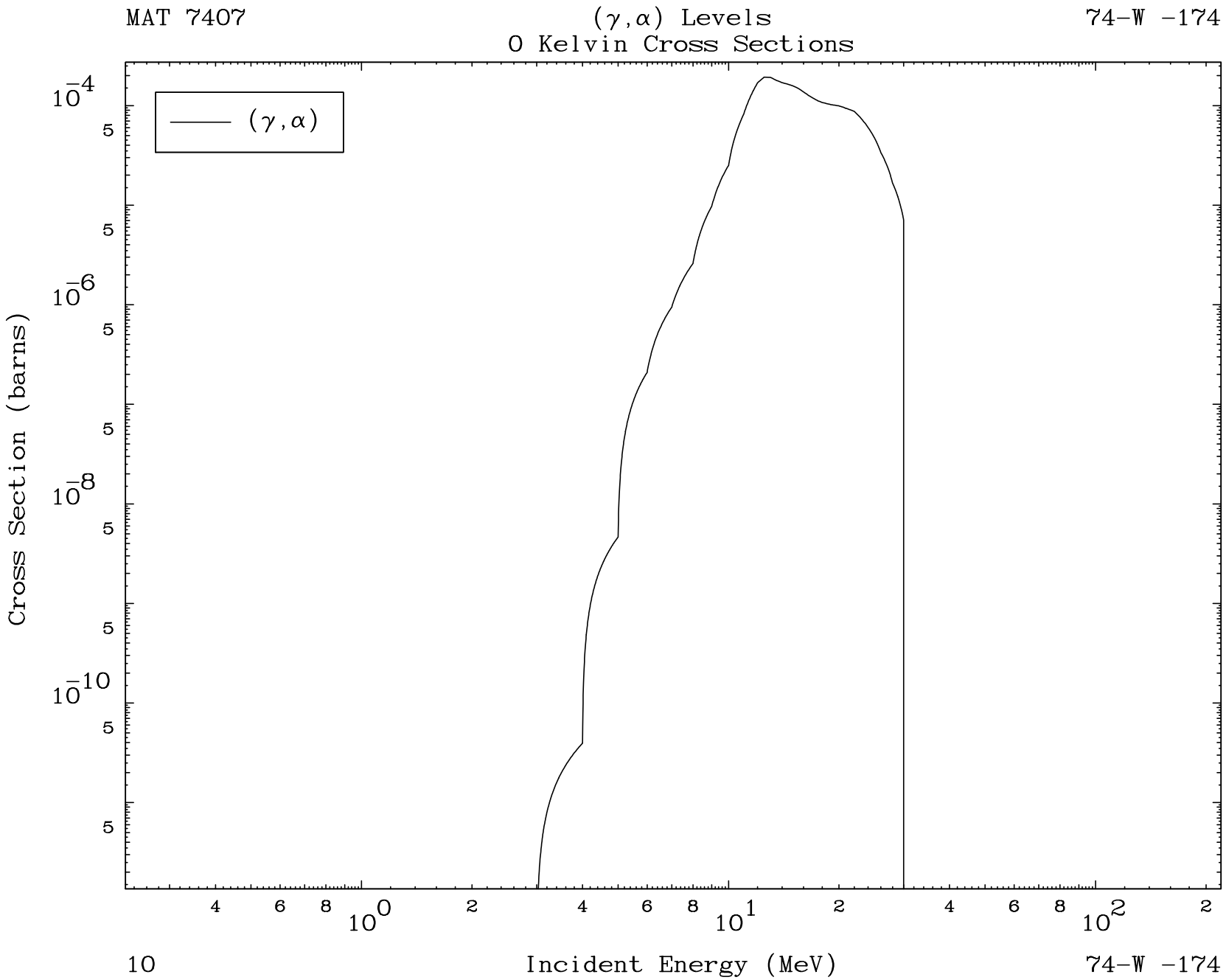

MAT 7407
(γ,n') Level
74-W -174
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
74-W -174

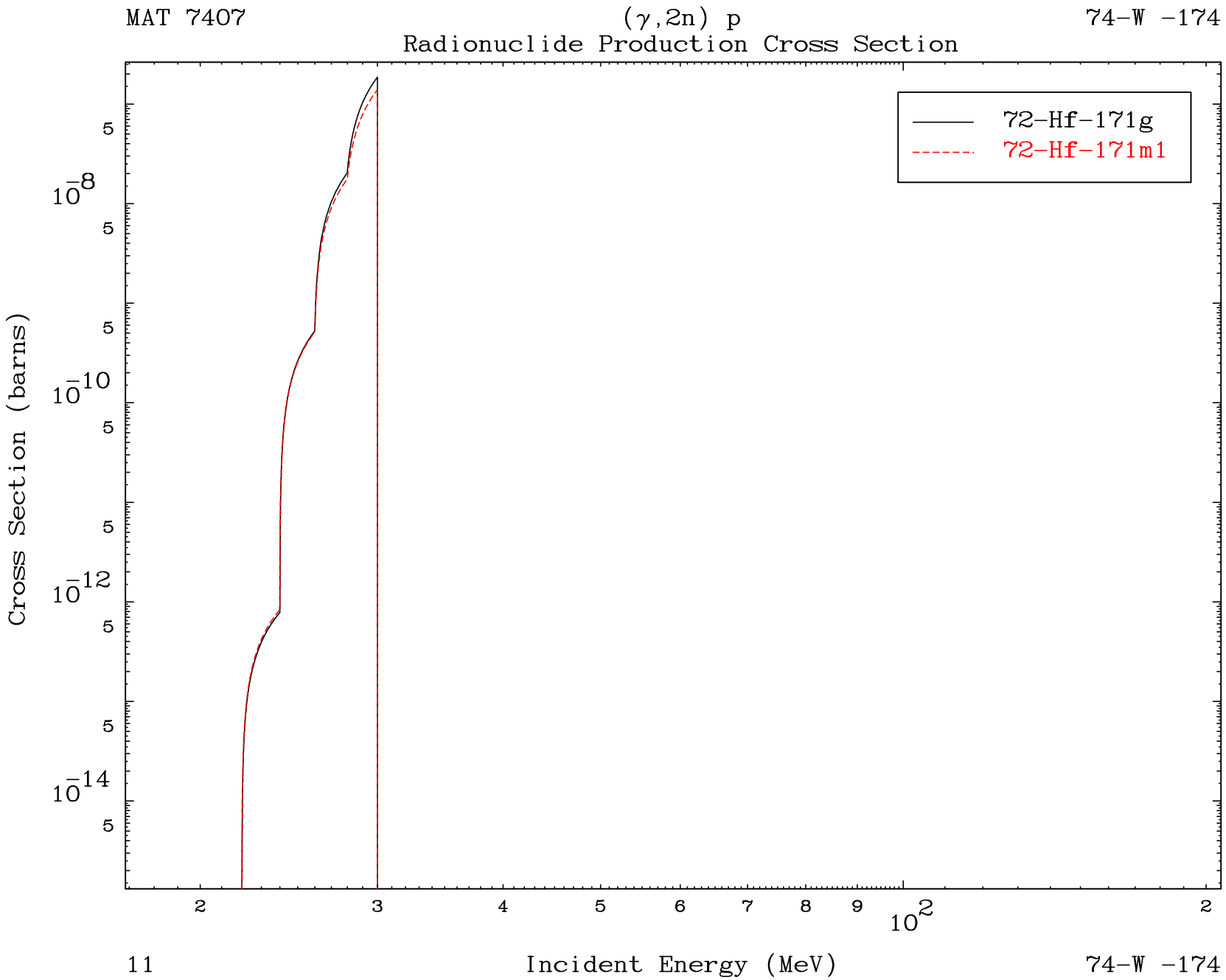

MAT 7407
(γ,p) Levels
74-W -174
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
6
74-W -174

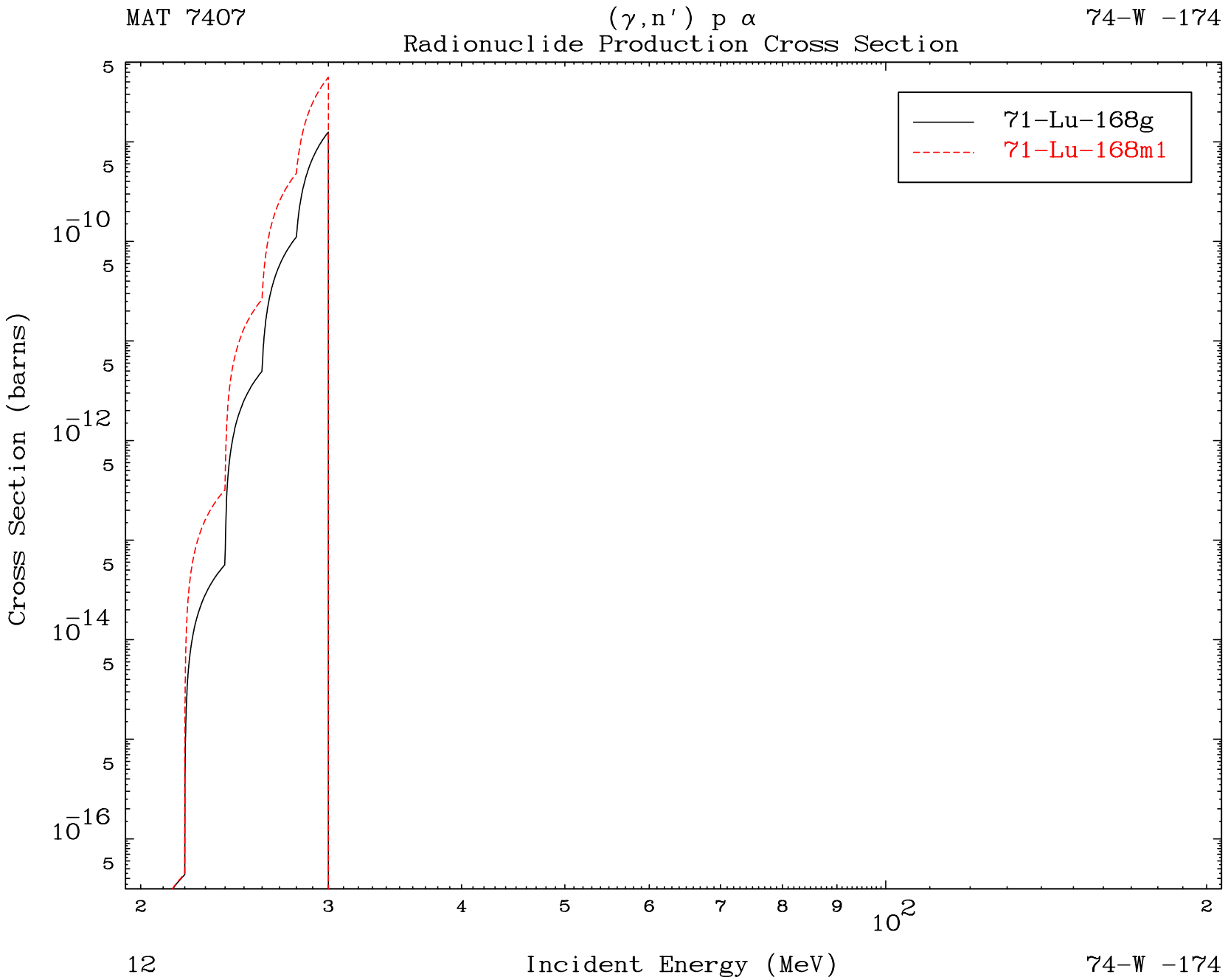

MAT 7407
(γ,d) Levels
74-W -174
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
74-W -174

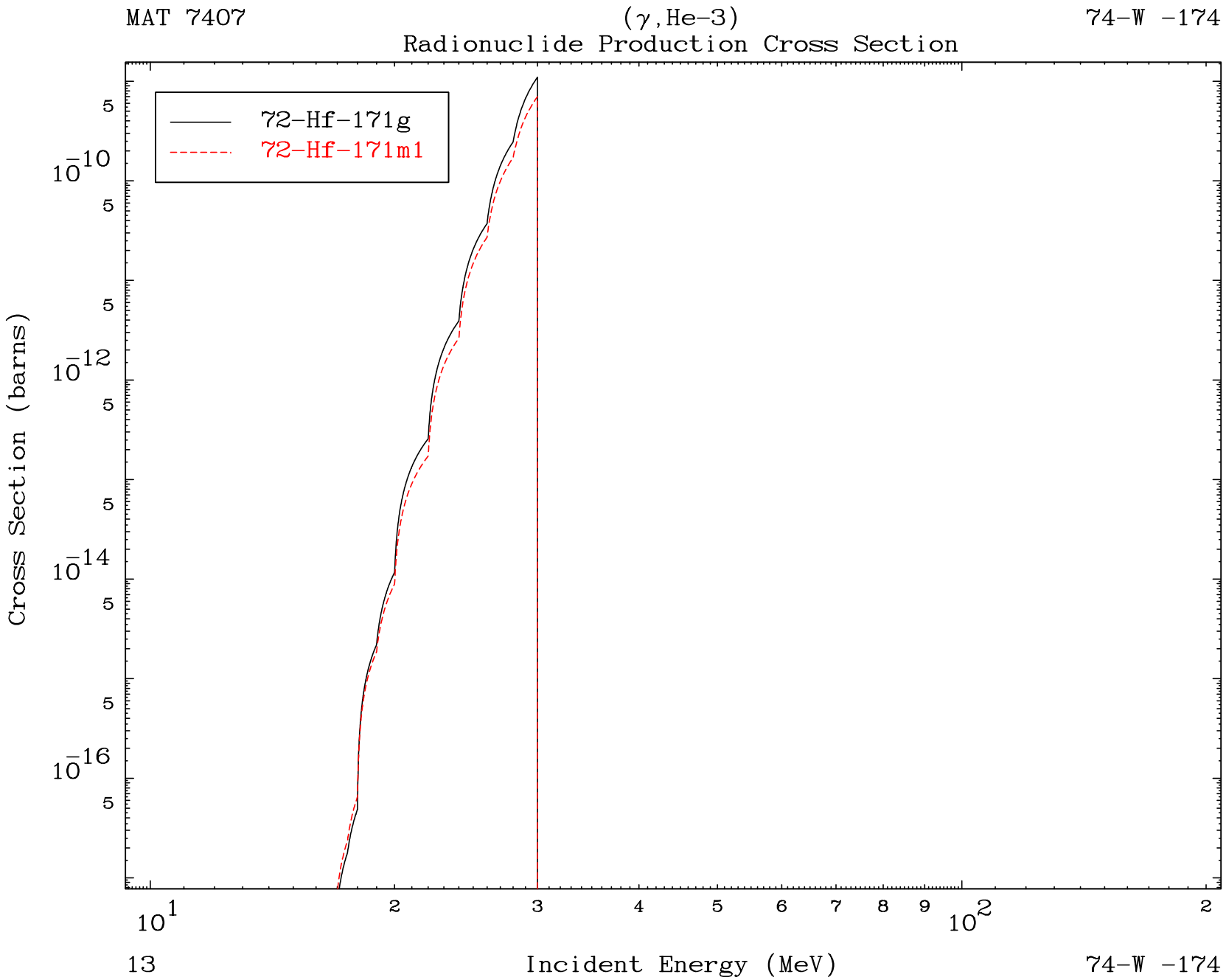

MAT 7407
(γ,t) Levels
0 Kelvin Cross Sections
74-W -174
(γ,t)
Cross Section (barns)
Incident Energy (MeV)
8
74-W -174

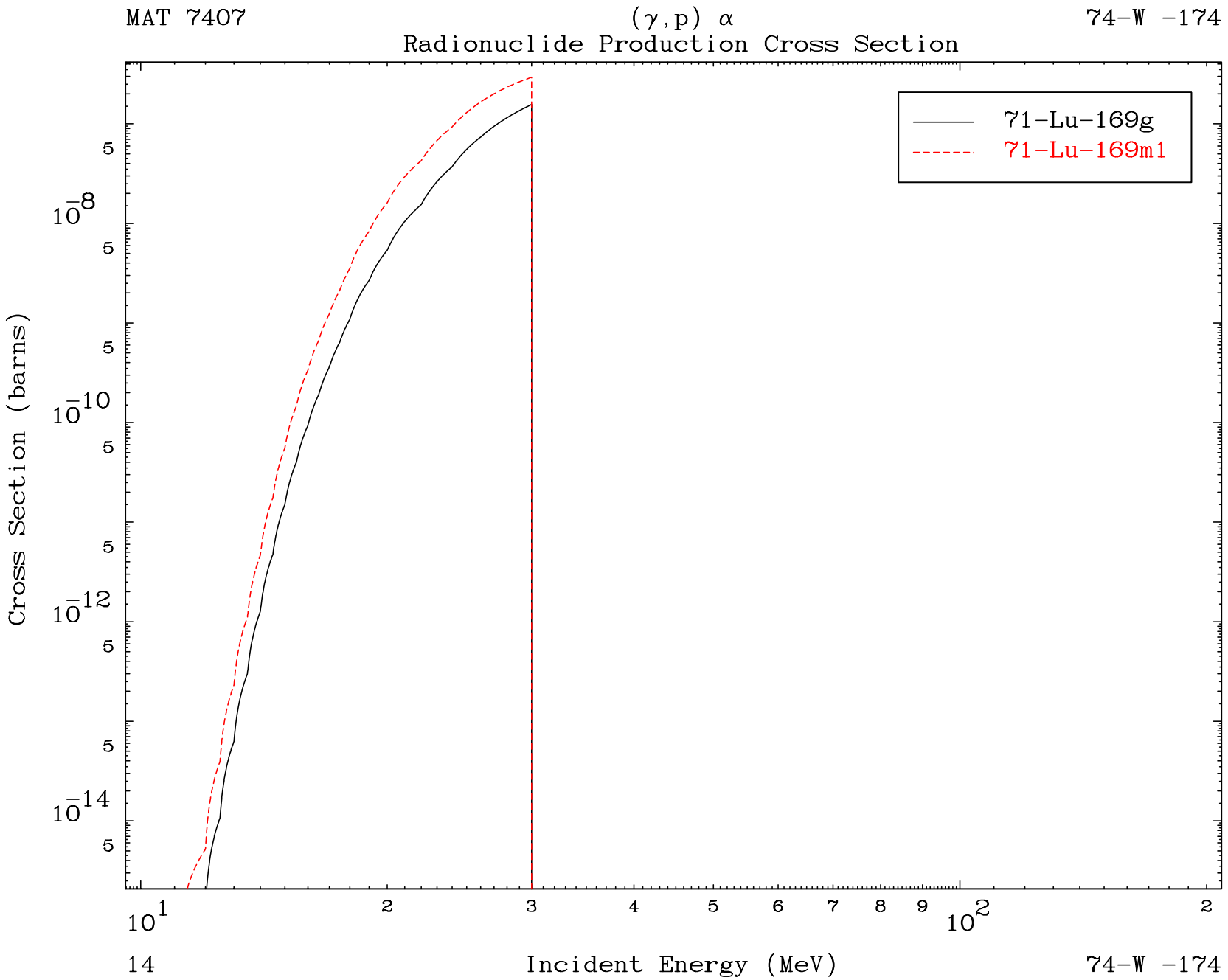

MAT 7407
(γ,He3) Levels
74-W -174
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
74-W -174

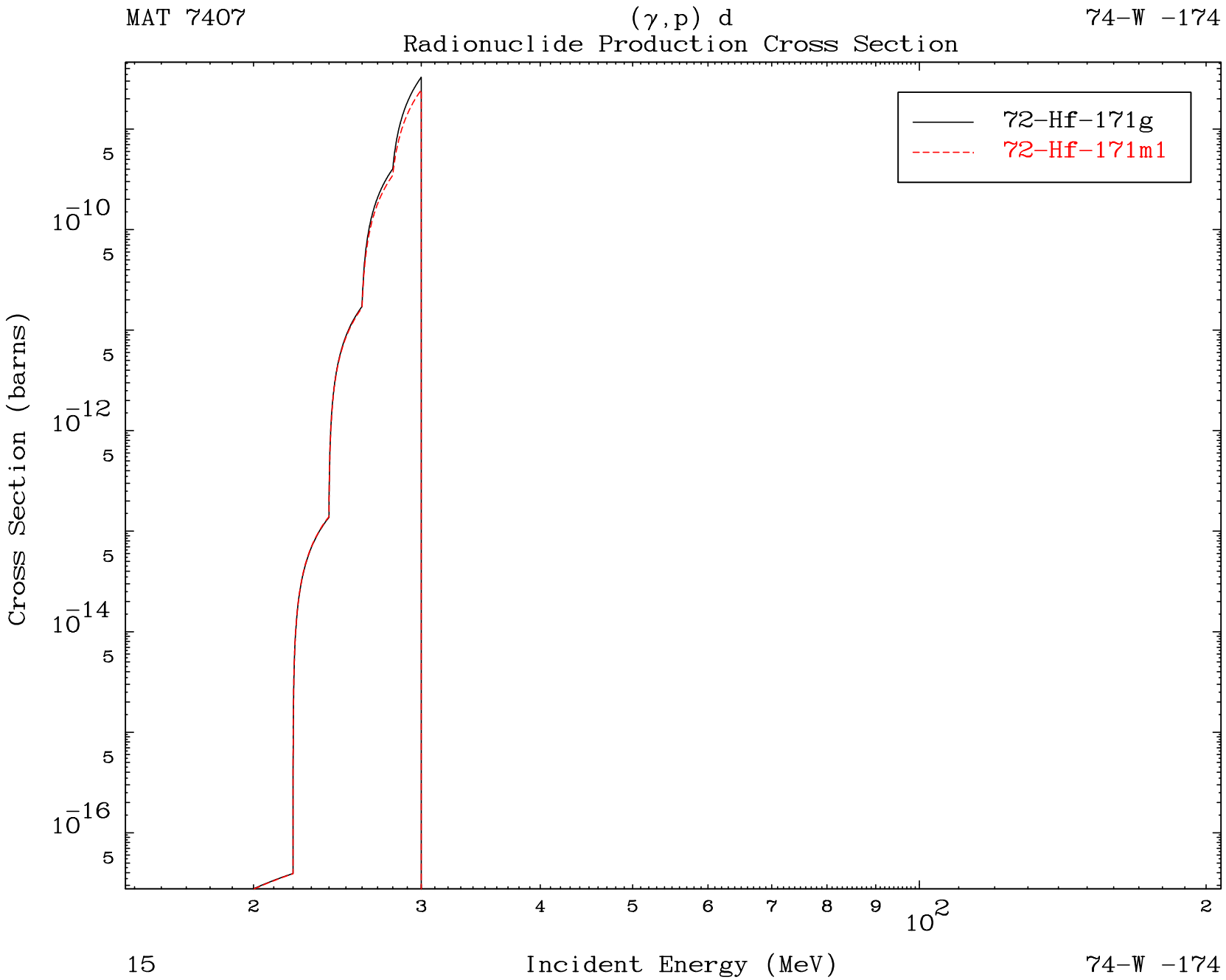

MAT 7407
(γ,α) Levels
74-W -174
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
74-W -174


MAT 7407
(γ,2n) p
74-W -174
Radionuclide Production Cross Section
72-Hf-171g
72-Hf-171m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
74-W -174


MAT 7407
(γ,n') p α
74-W -174
Radionuclide Production Cross Section
71-Lu-168g
71-Lu-168m1
Cross Section (barns)
Incident Energy (MeV)
12
74-W -174


MAT 7407
(γ,He-3)
74-W -174
Radionuclide Production Cross Section
72-Hf-171g
72-Hf-171m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
10^1
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
74-W -174


MAT 7407
(γ,p) α
74-W -174
Radionuclide Production Cross Section
71-Lu-169g
71-Lu-169m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
101
2
3
4
5
6
7
8
9
102
2
14
Incident Energy (MeV)
74-W -174


MAT 7407
(γ,p) d
74-W -174
Radionuclide Production Cross Section
72-Hf-171g
72-Hf-171m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
15
74-W -174