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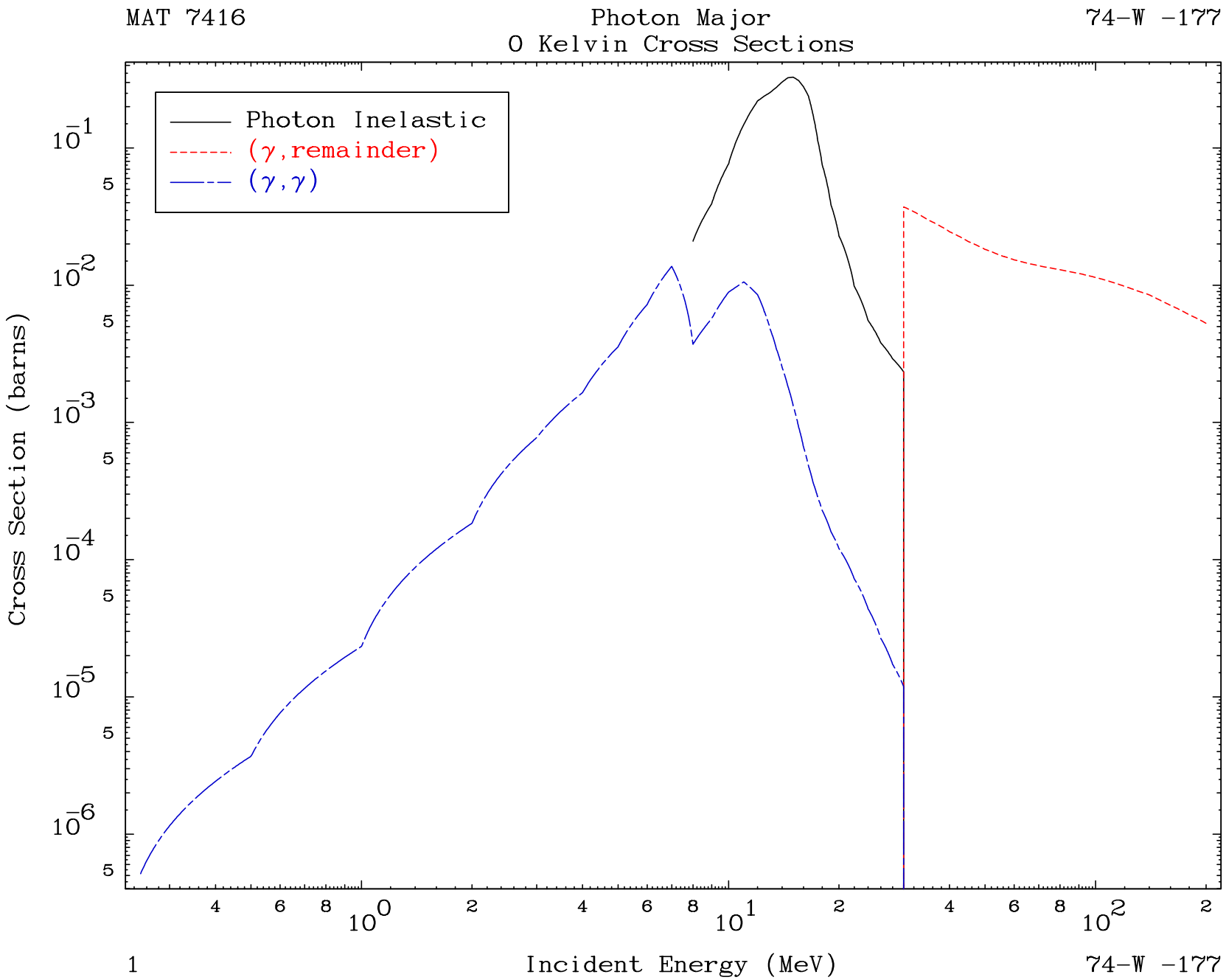
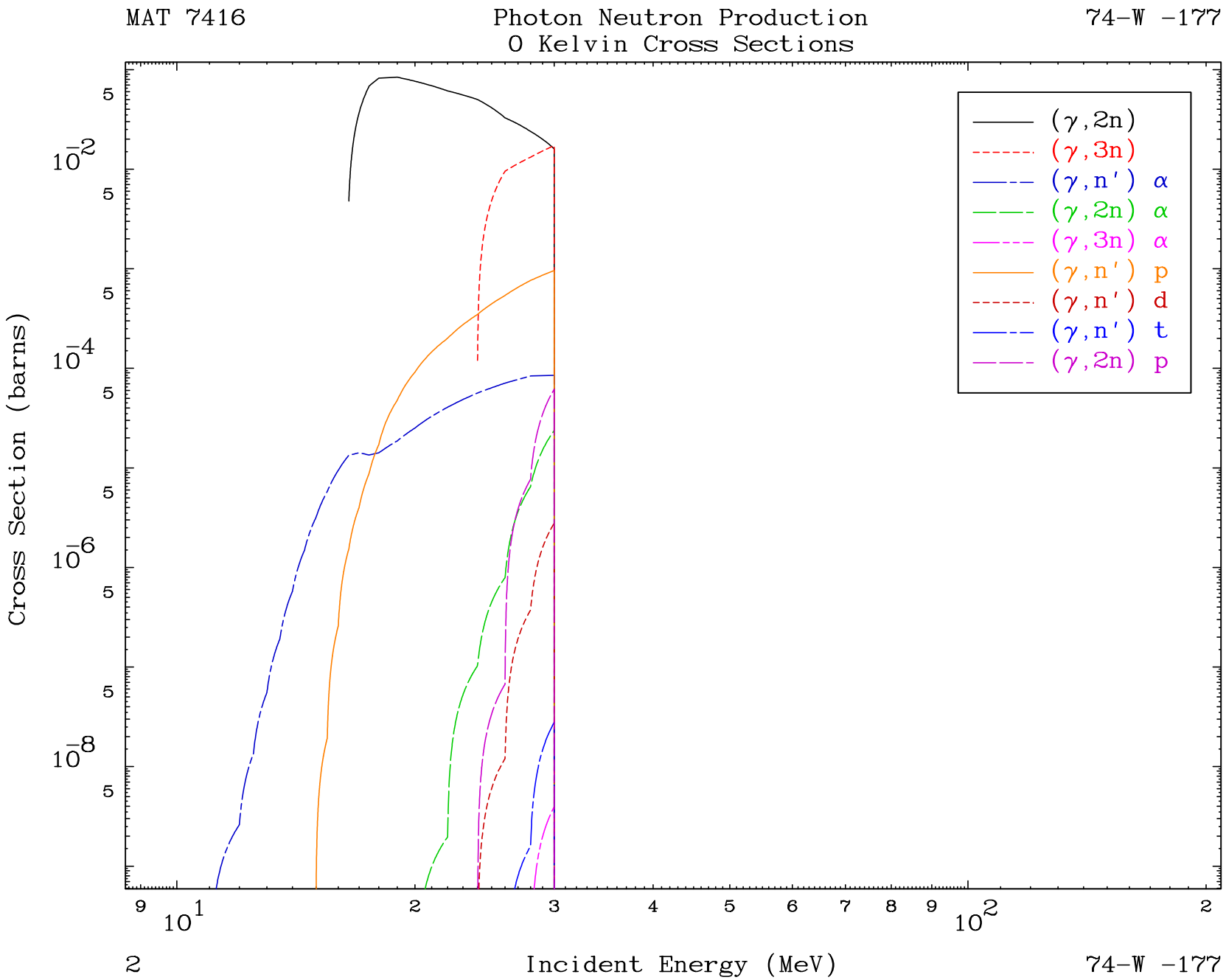
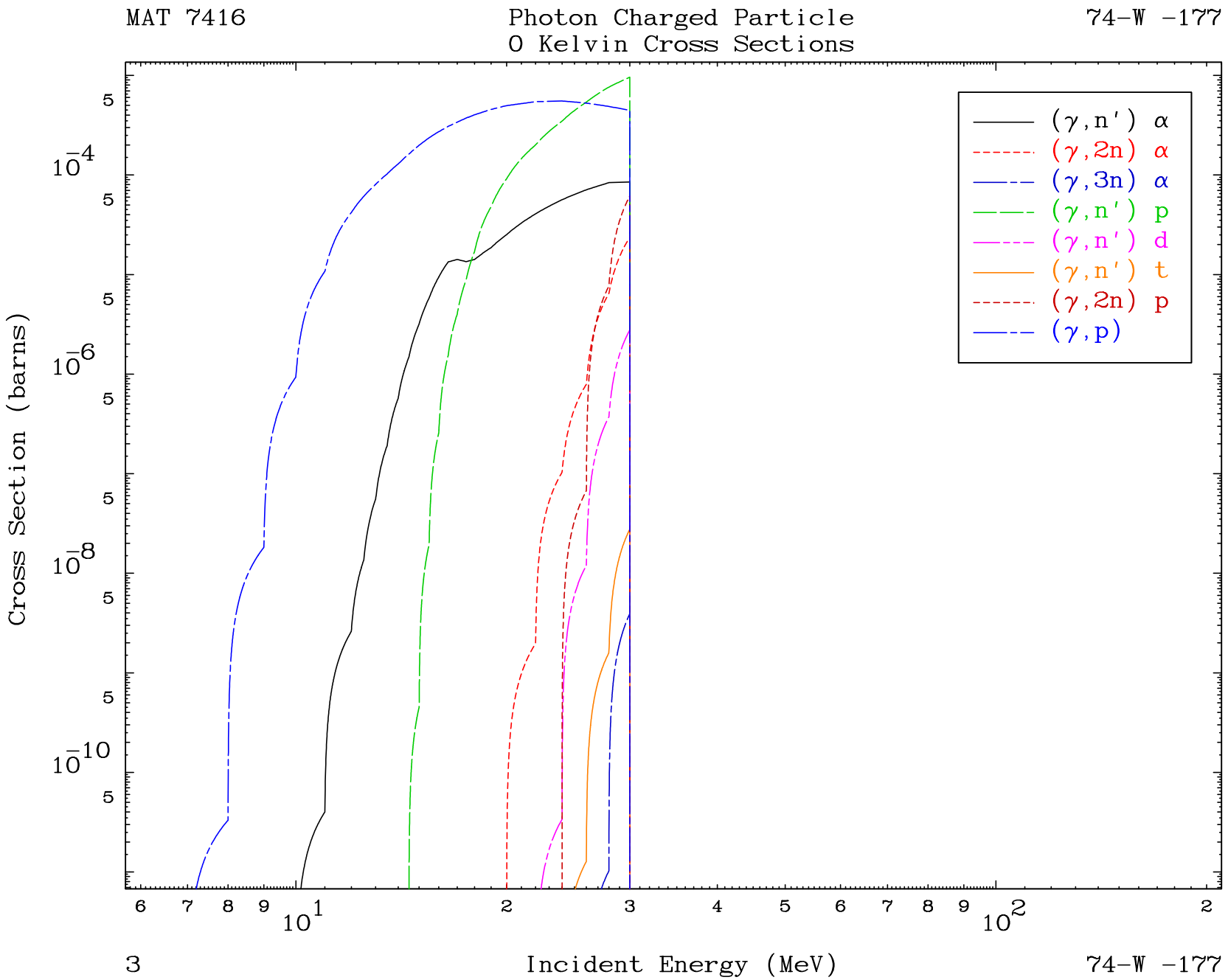
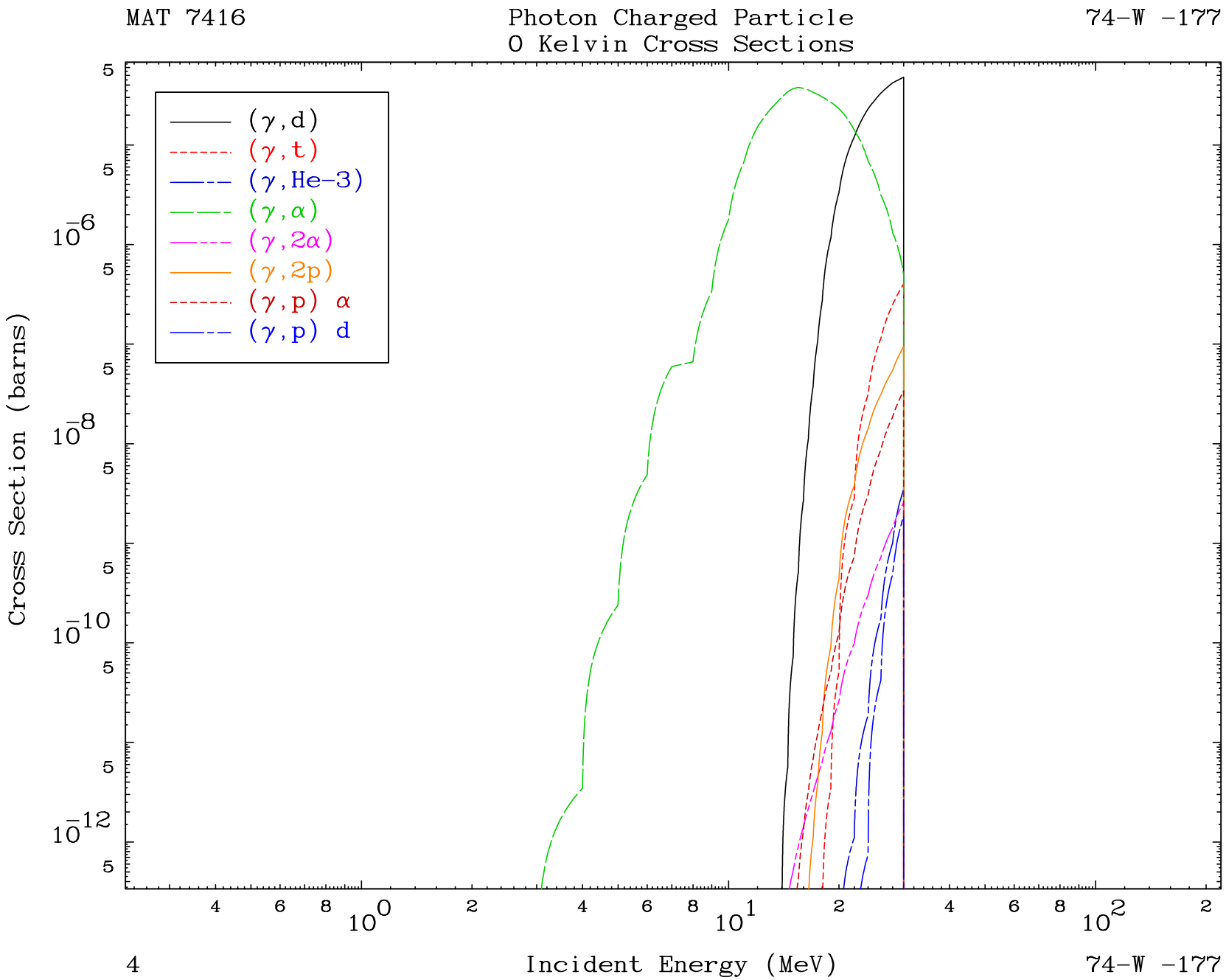
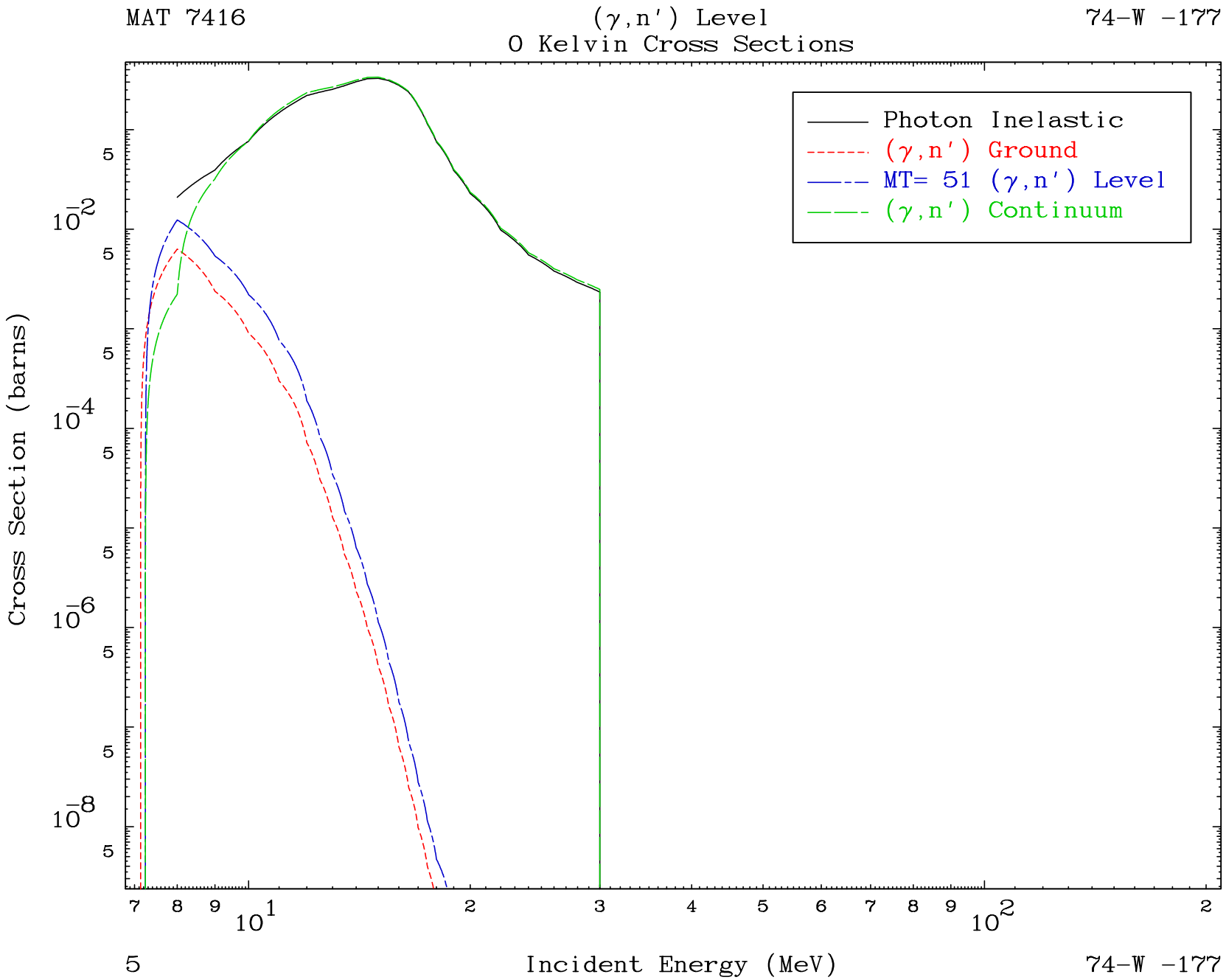
Press Mouse Button to Start

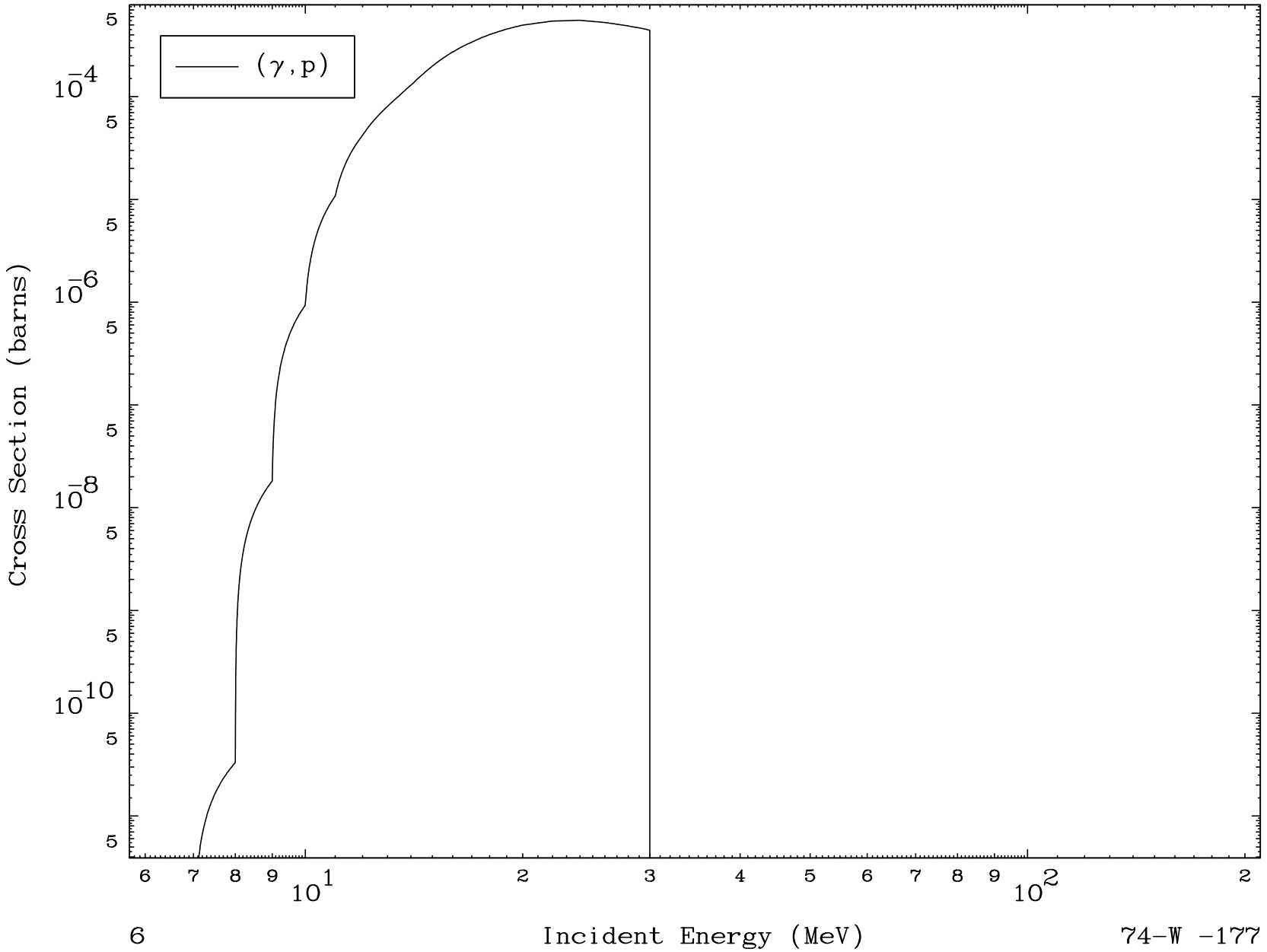

MAT 7416
Photon Major
74-W -177
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
74-W -177

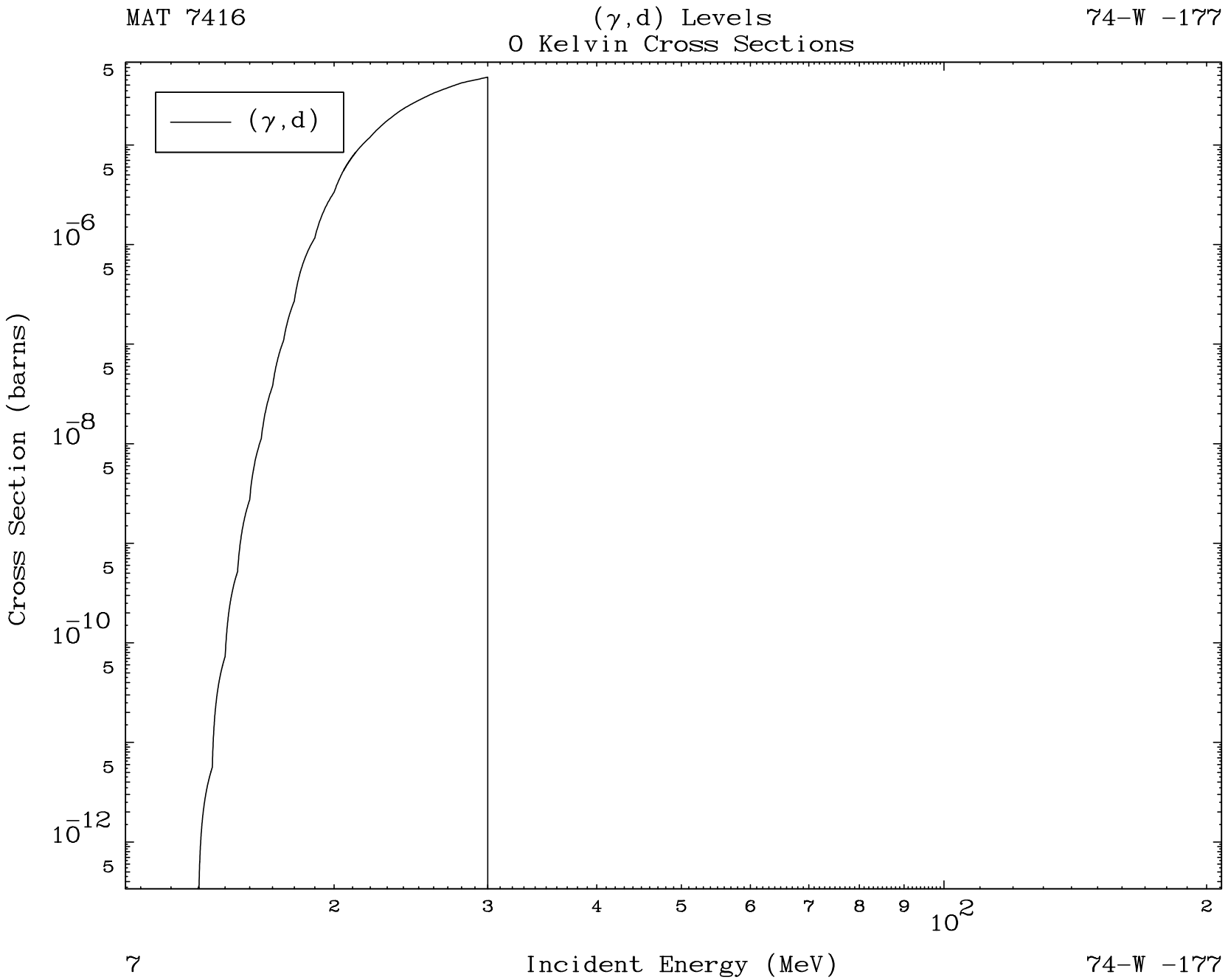

MAT 7416
Photon Neutron Production
0 Kelvin Cross Sections
74-W -177
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
Cross Section (barns)
Incident Energy (MeV)
74-W -177
2

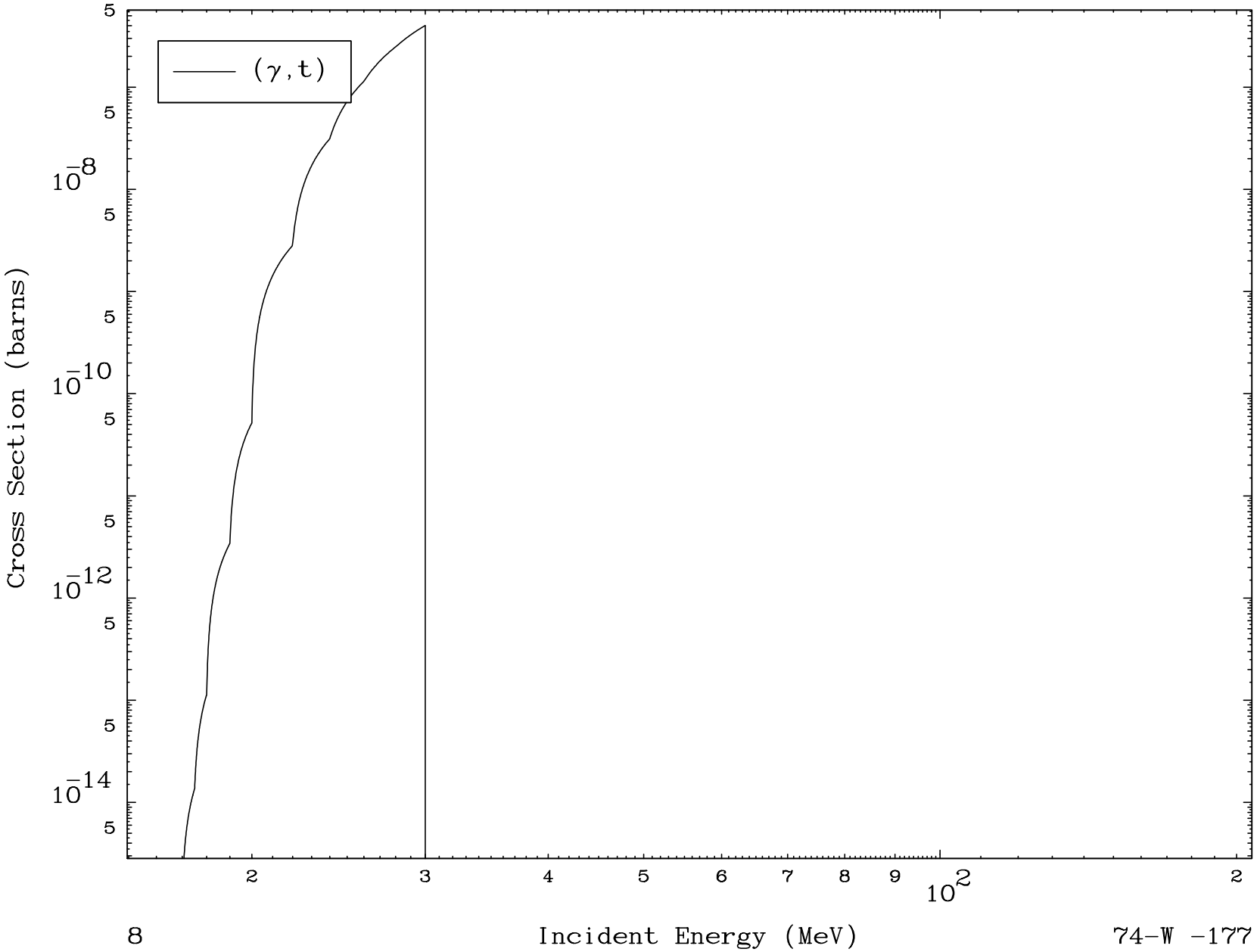

MAT 7416
Photon Charged Particle
0 Kelvin Cross Sections
74-W -177
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
3
74-W -177


MAT 7416
Photon Charged Particle
0 Kelvin Cross Sections
74-W -177
(γ,d)
(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 -177

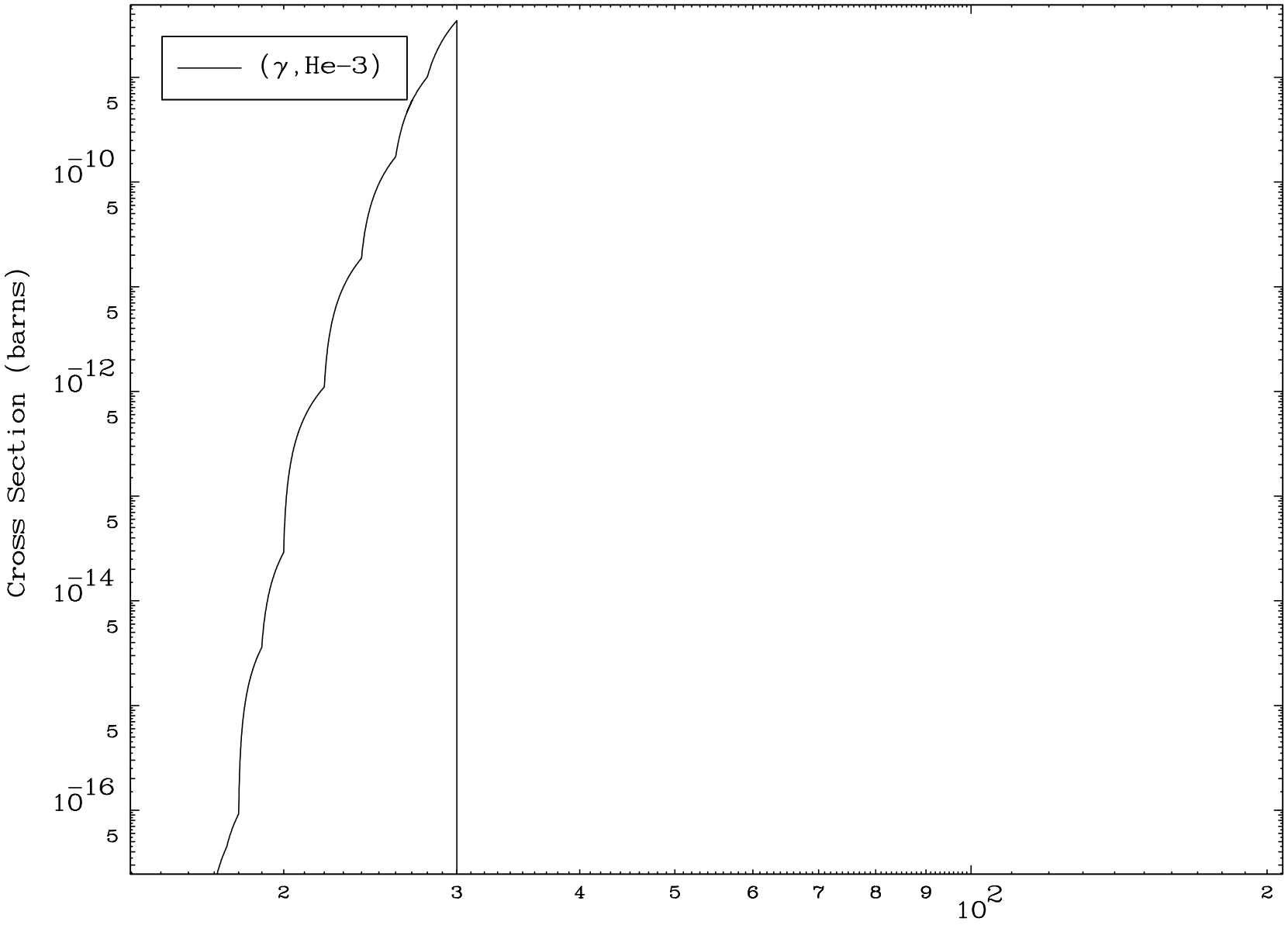

MAT 7416
(γ,n') Level
0 Kelvin Cross Sections
74-W -177
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
5
74-W -177

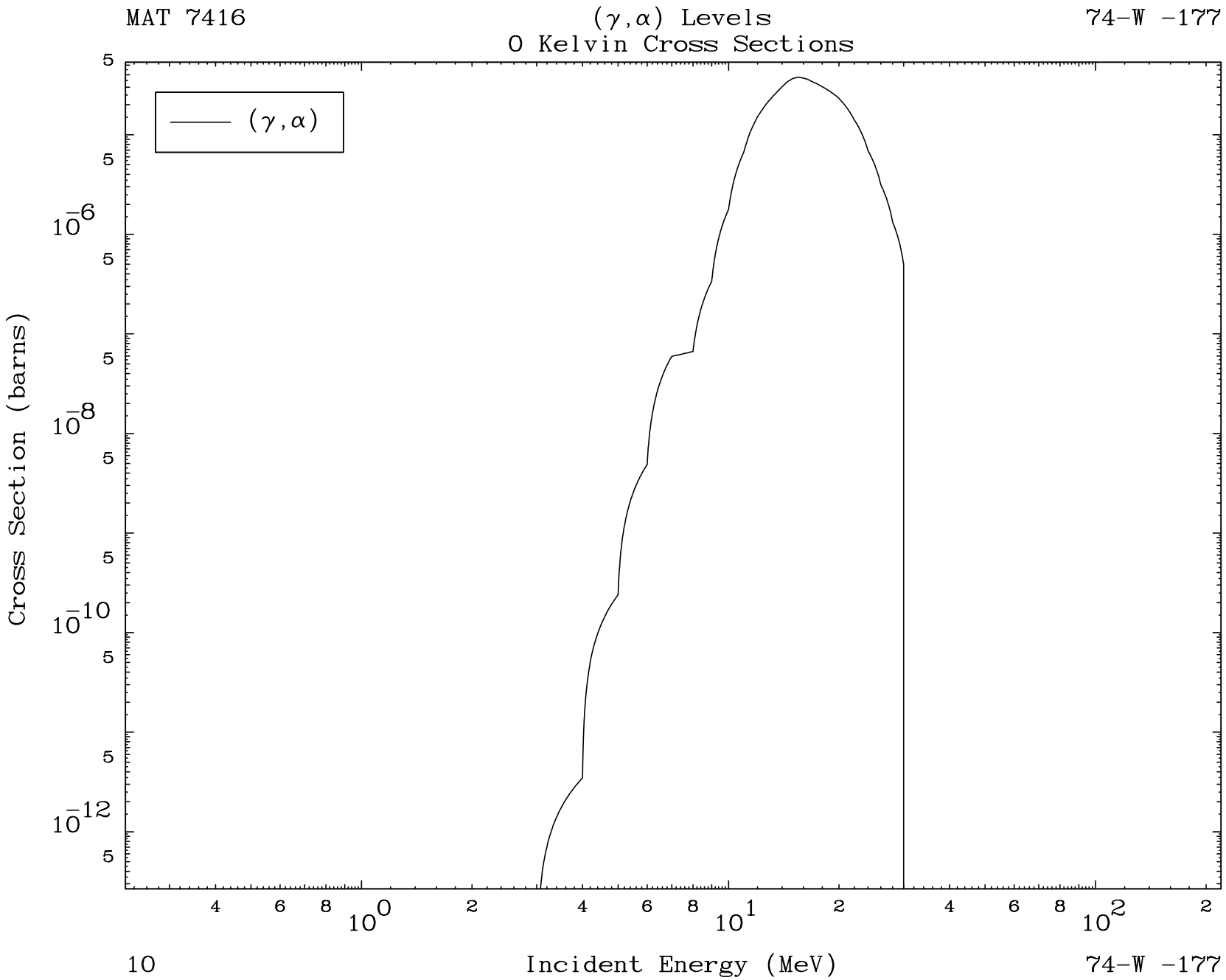

0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

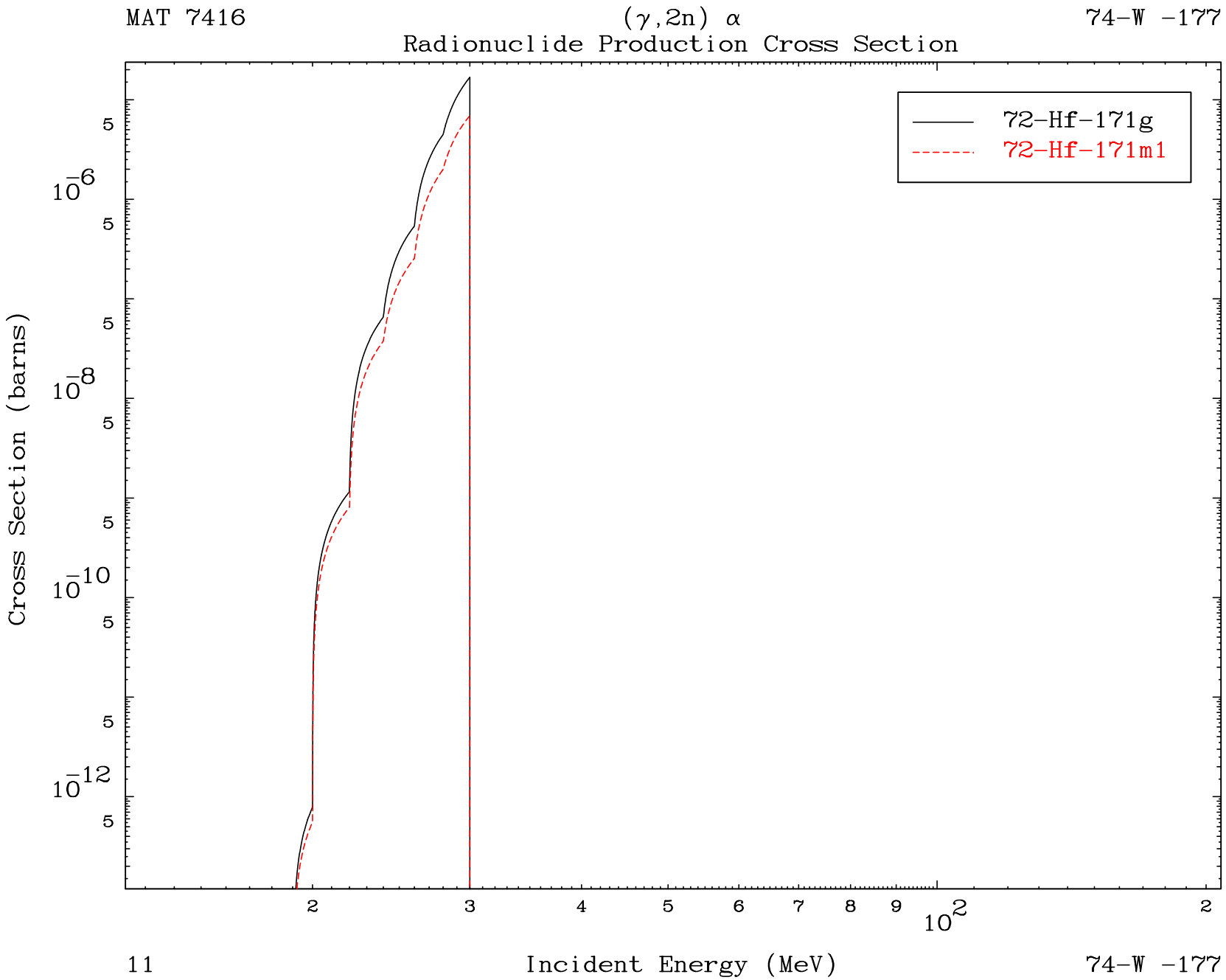

MAT 7416
(γ,d) Levels
74-W -177
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
74-W -177

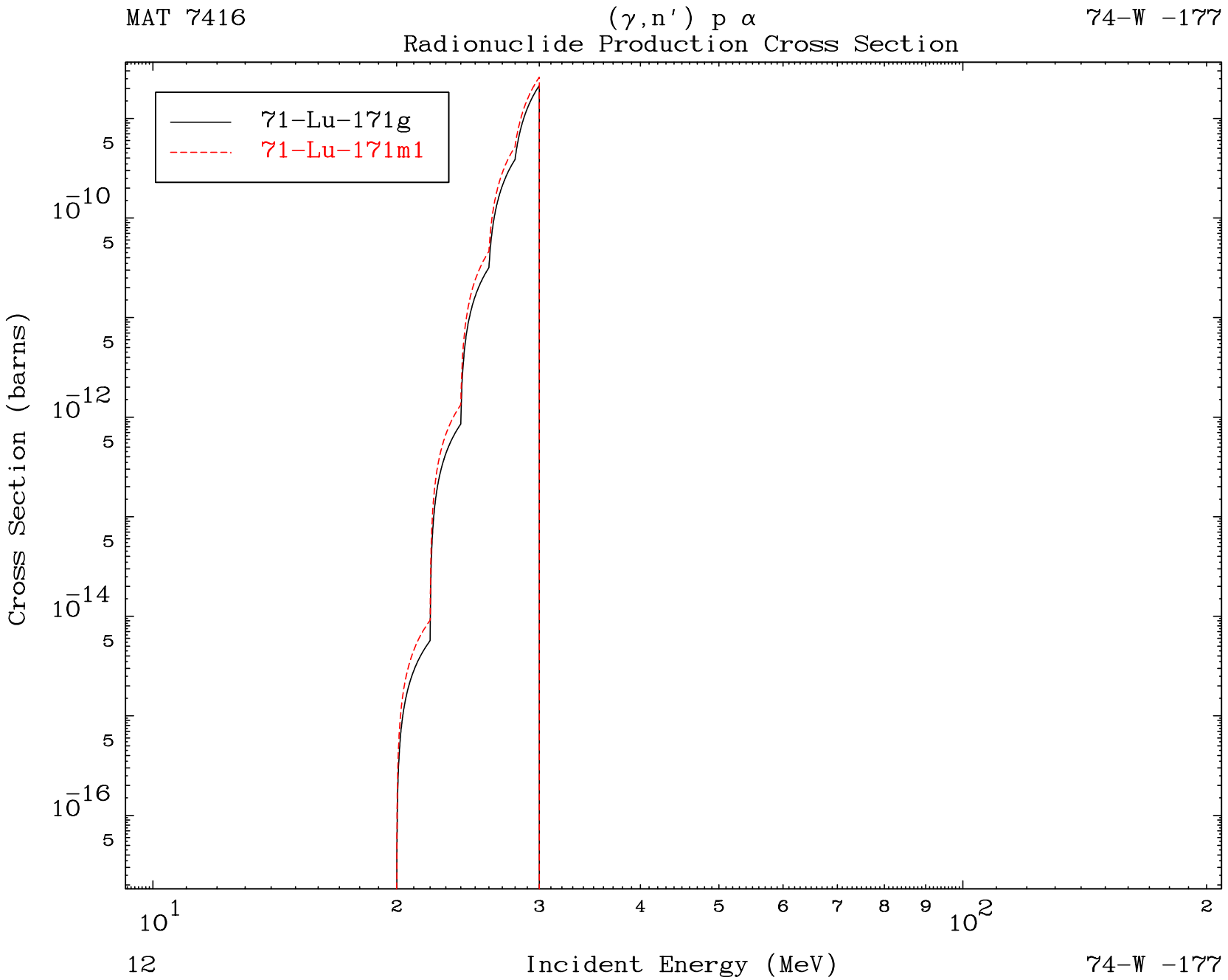

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

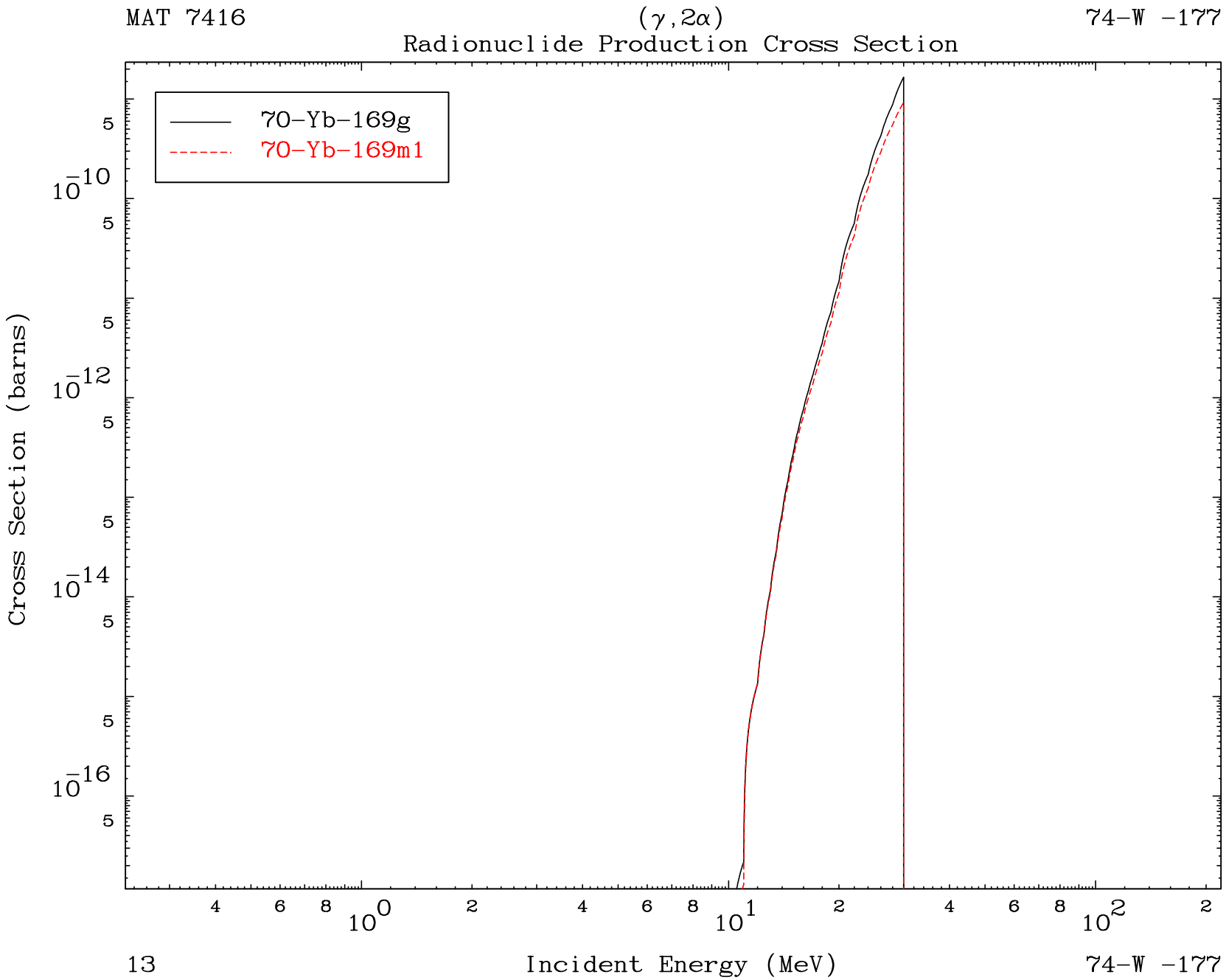
0 Kelvin Cross Sections

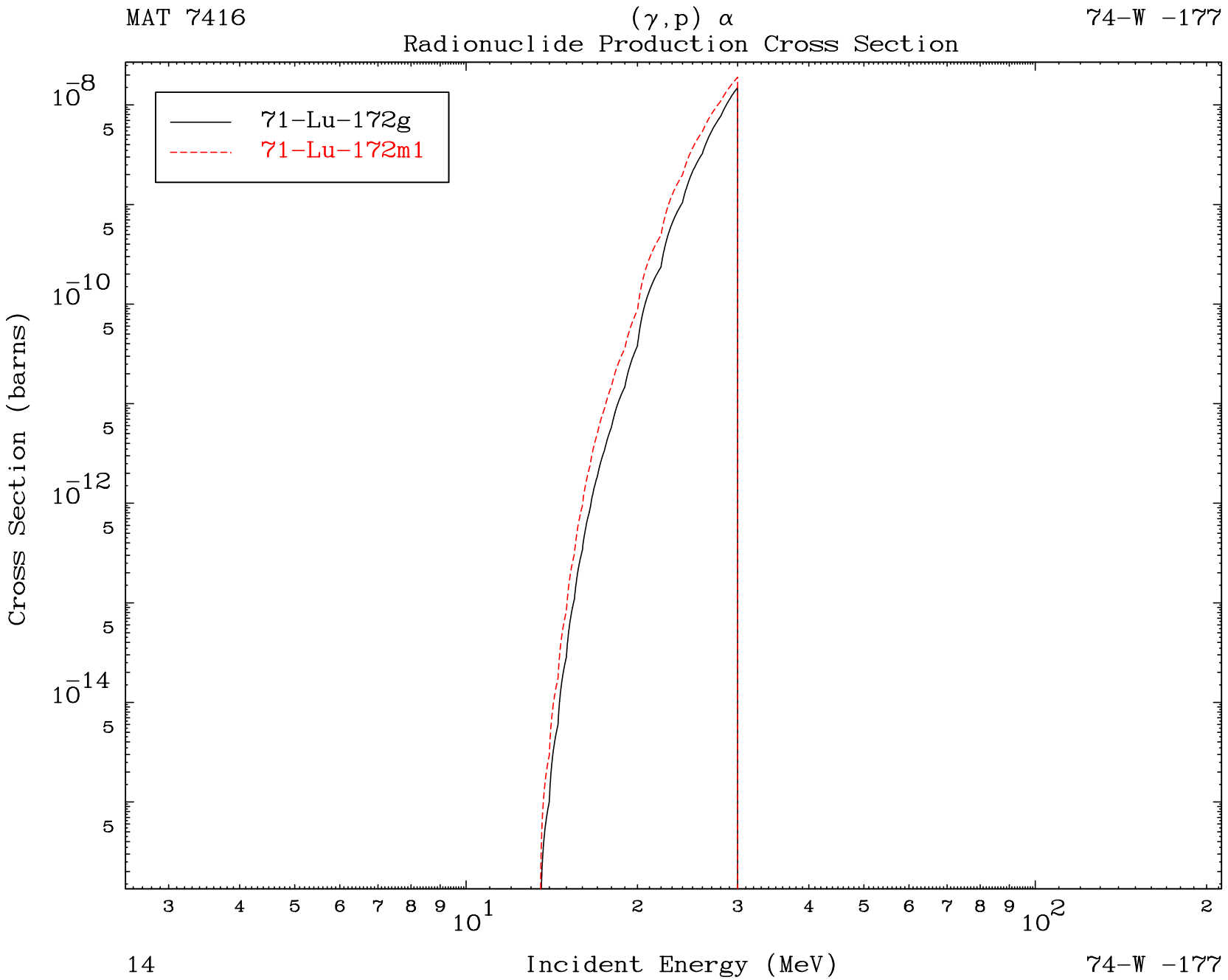



MAT 7416
(γ,α) Levels
74-W -177
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
74-W -177


MAT 7416
(γ,2n) α
74-W -177
Radionuclide Production Cross Section
72-Hf-171g
72-Hf-171m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
74-W -177


MAT 7416
(γ,n') p α
74-W -177
Radionuclide Production Cross Section
71-Lu-171g
71-Lu-171m1
Cross Section (barns)
Incident Energy (MeV)
74-W -177
12


MAT 7416
(γ,2α)
74-W -177
Radionuclide Production Cross Section
70-Yb-169g
70-Yb-169m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
10^0
10^1
10^2
Incident Energy (MeV)
13
74-W -177


MAT 7416
(γ,p) α
74-W -177
Radionuclide Production Cross Section
71-Lu-172g
71-Lu-172m1
Cross Section (barns)
Incident Energy (MeV)
14
74-W -177