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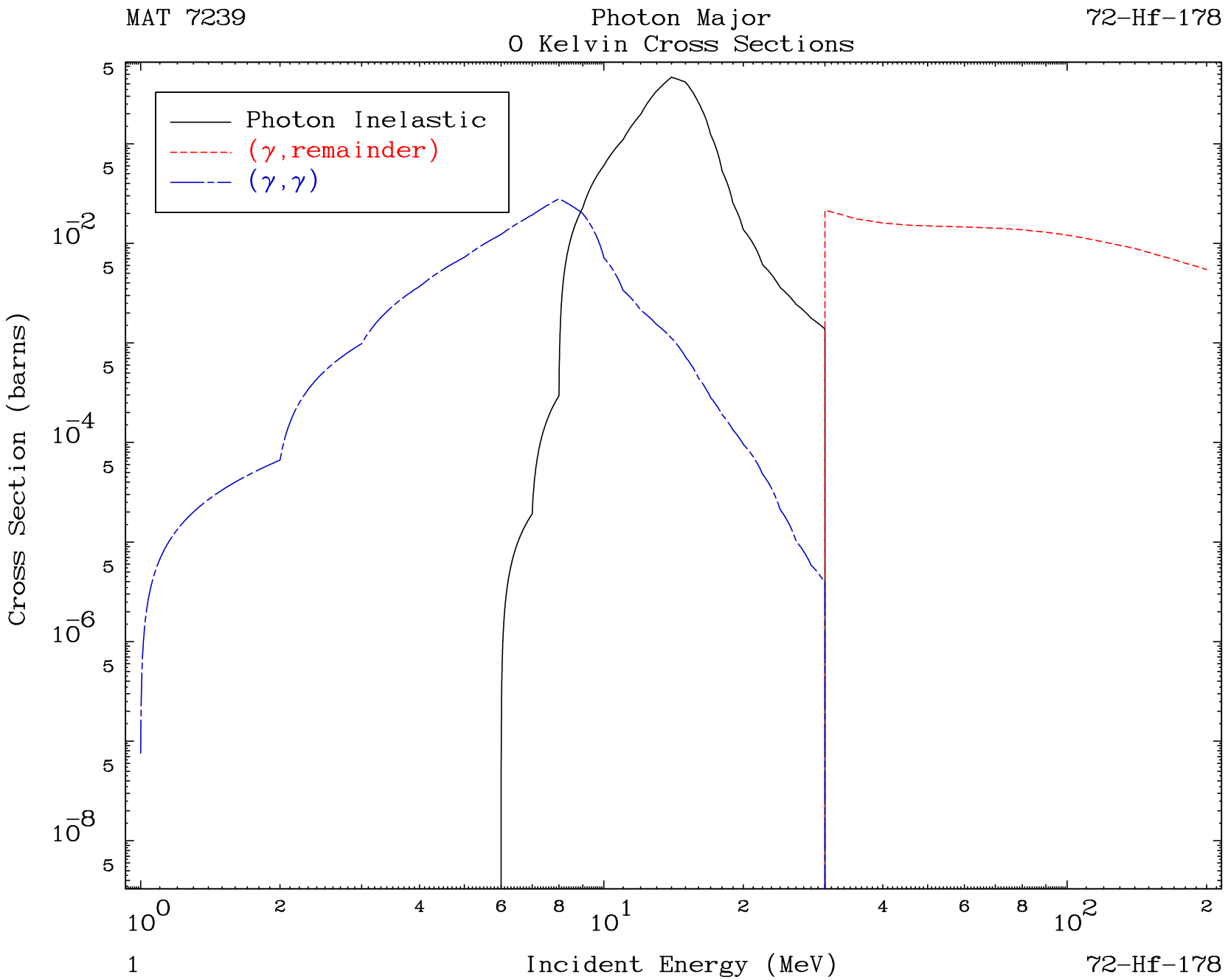
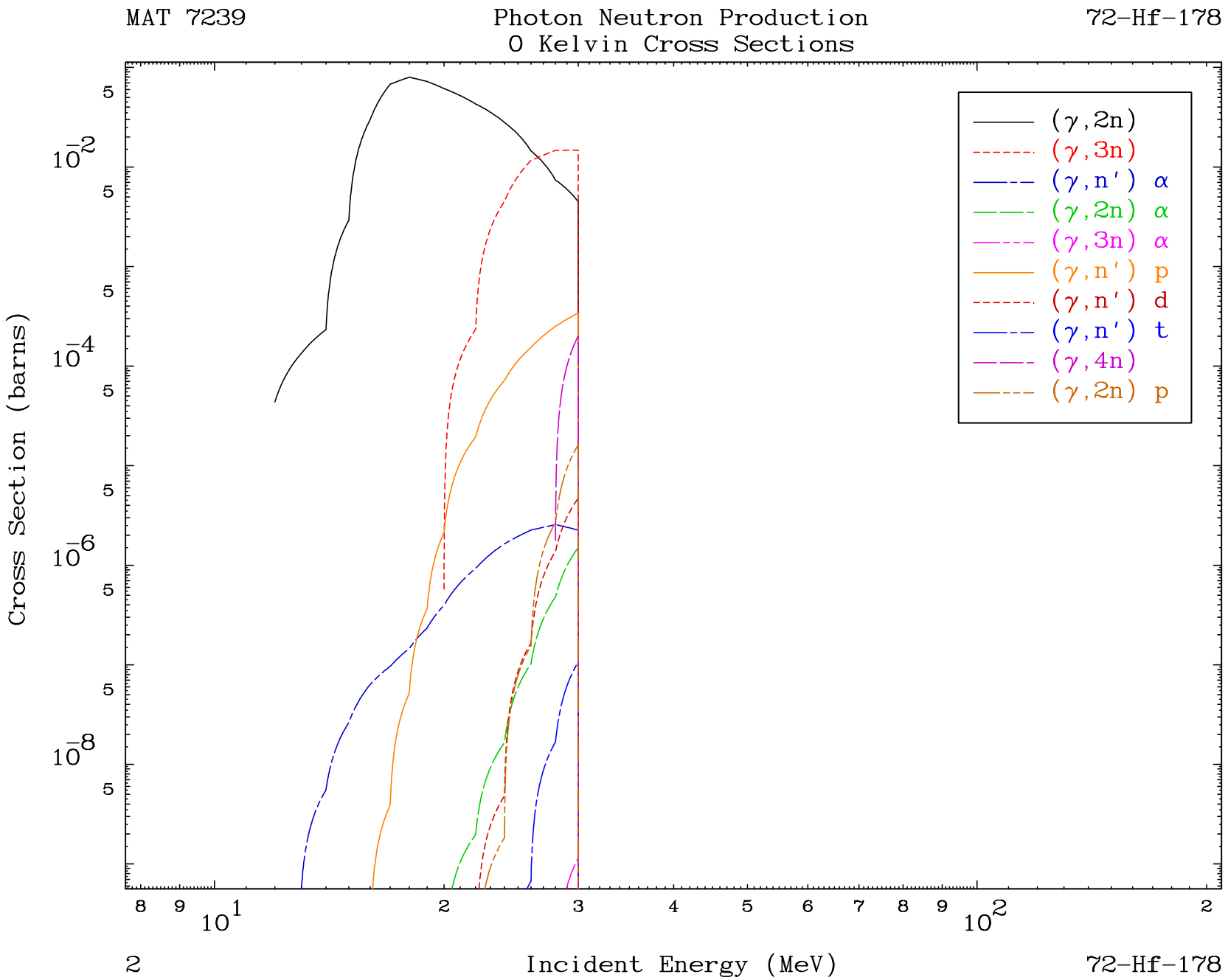
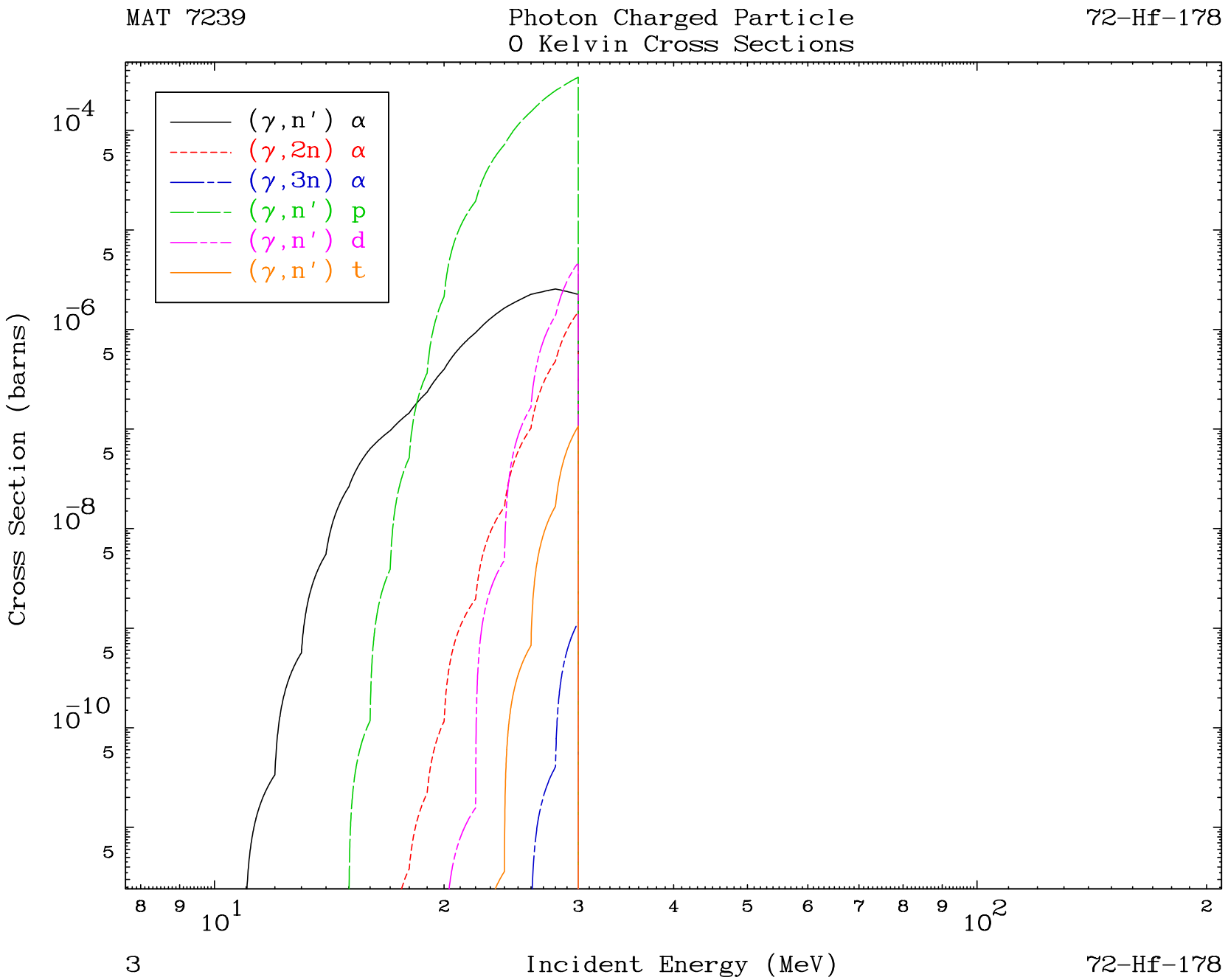
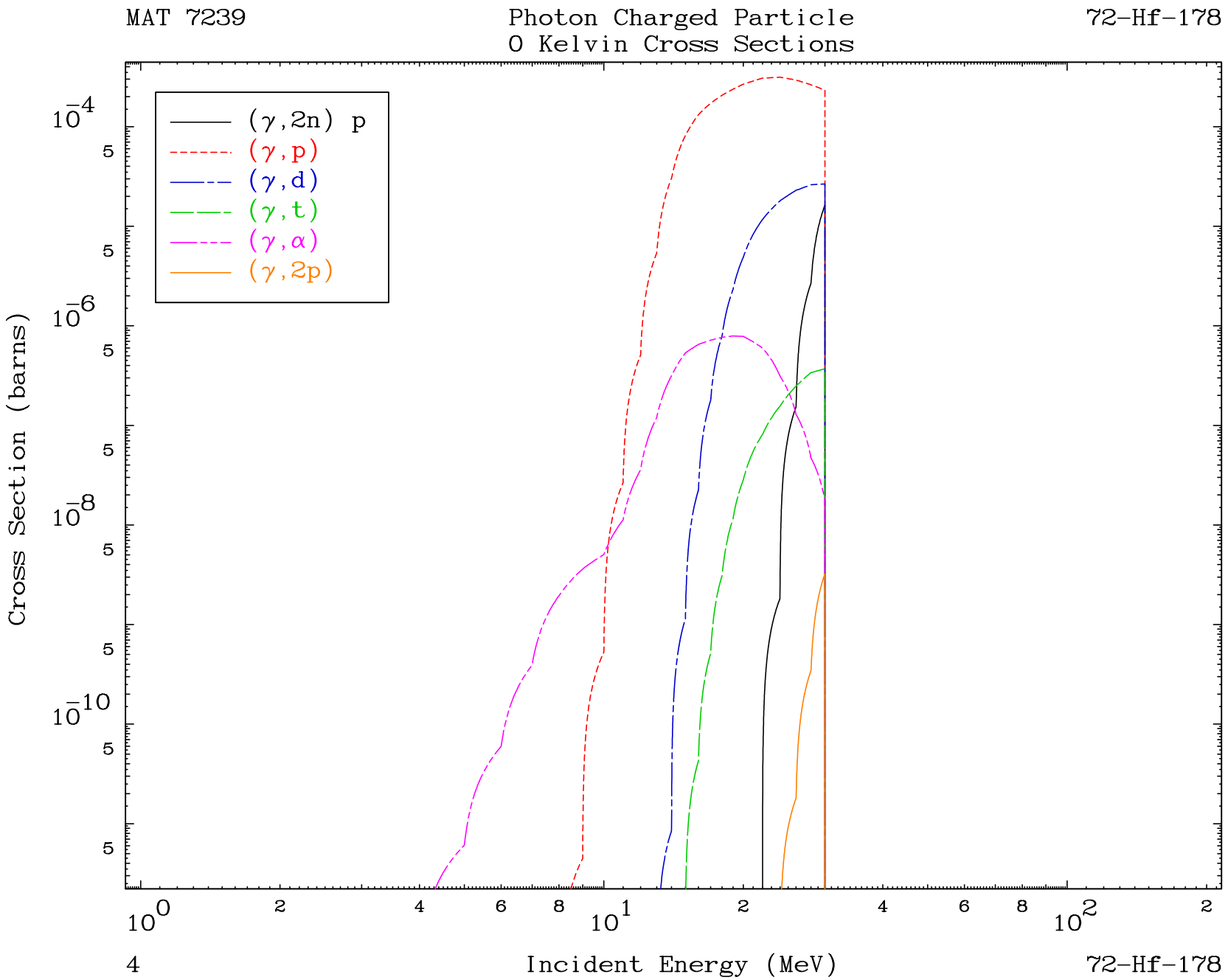
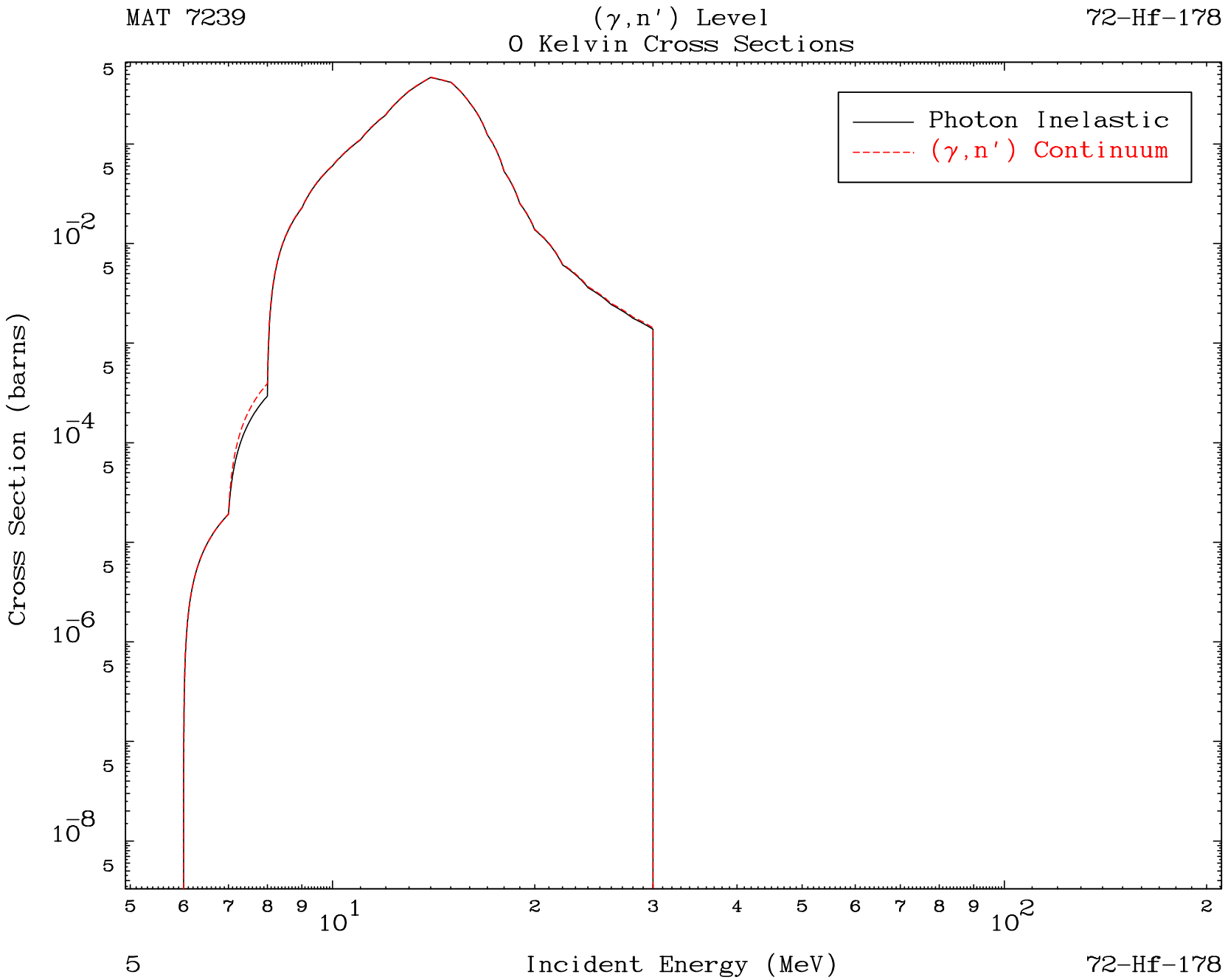
Press Mouse Button to Start

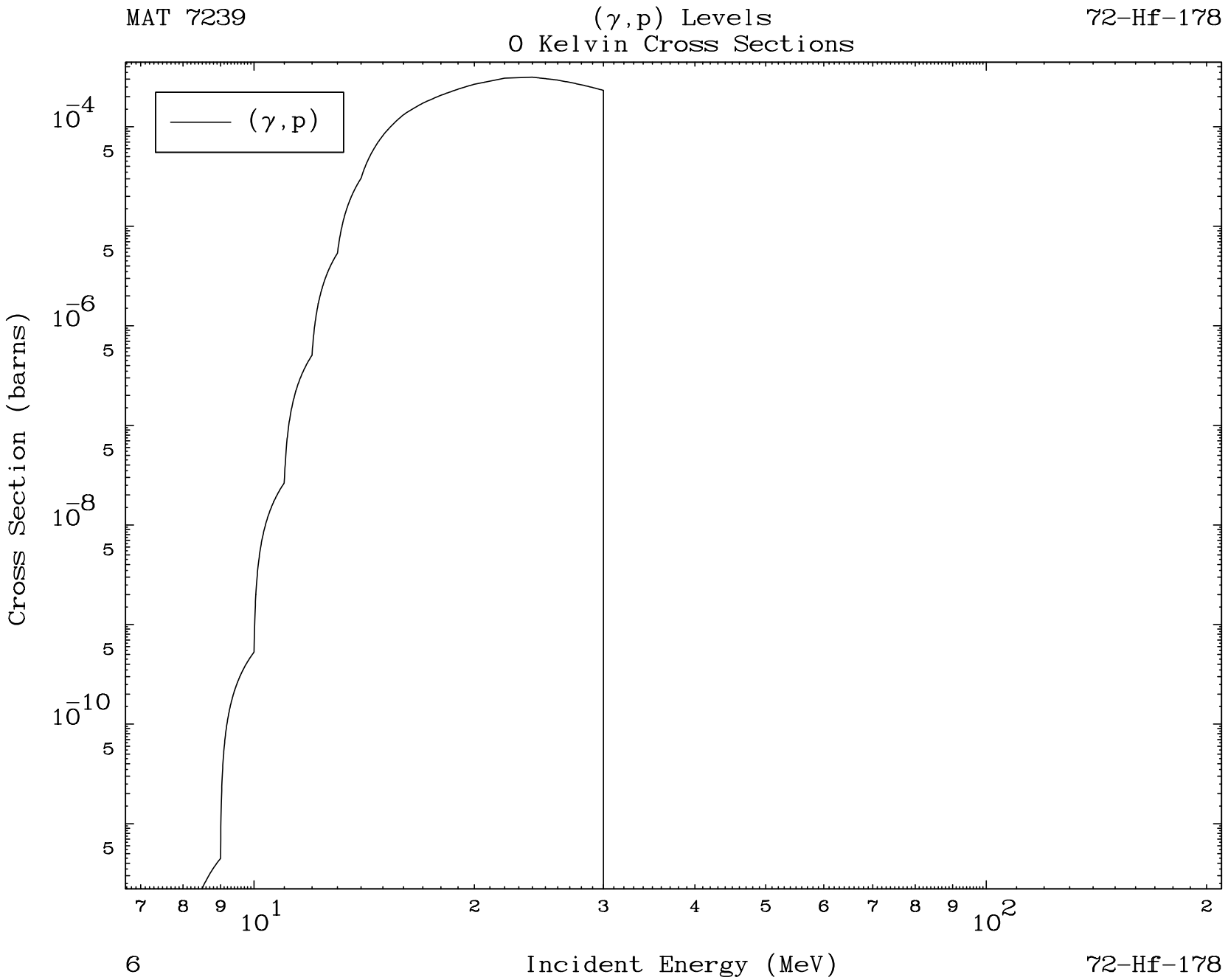

MAT 7239
Photon Major
72-Hf-178
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-178

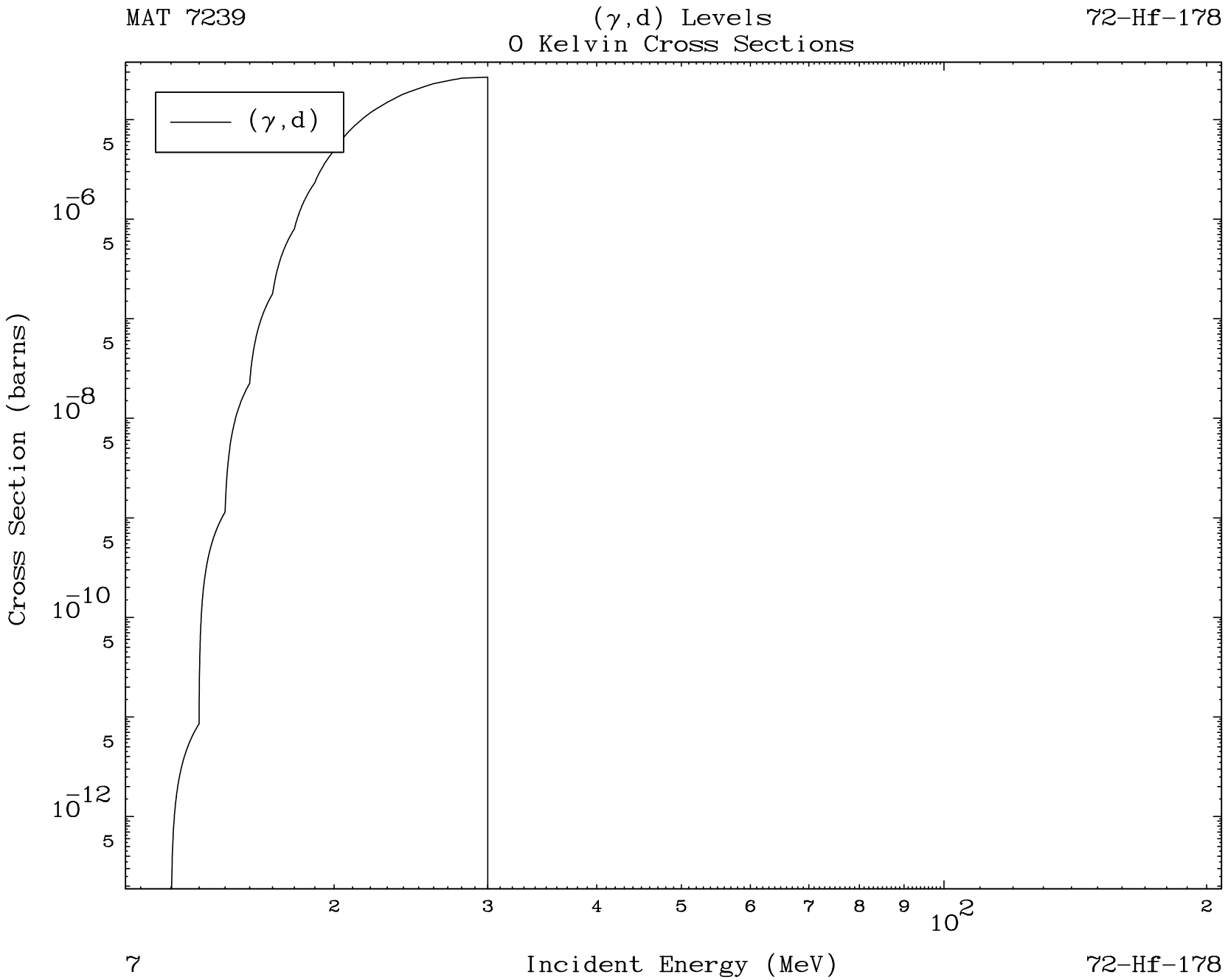

MAT 7239
Photon Neutron Production
0 Kelvin Cross Sections
72-Hf-178
Cross Section (barns)
Incident Energy (MeV)
72-Hf-178
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p

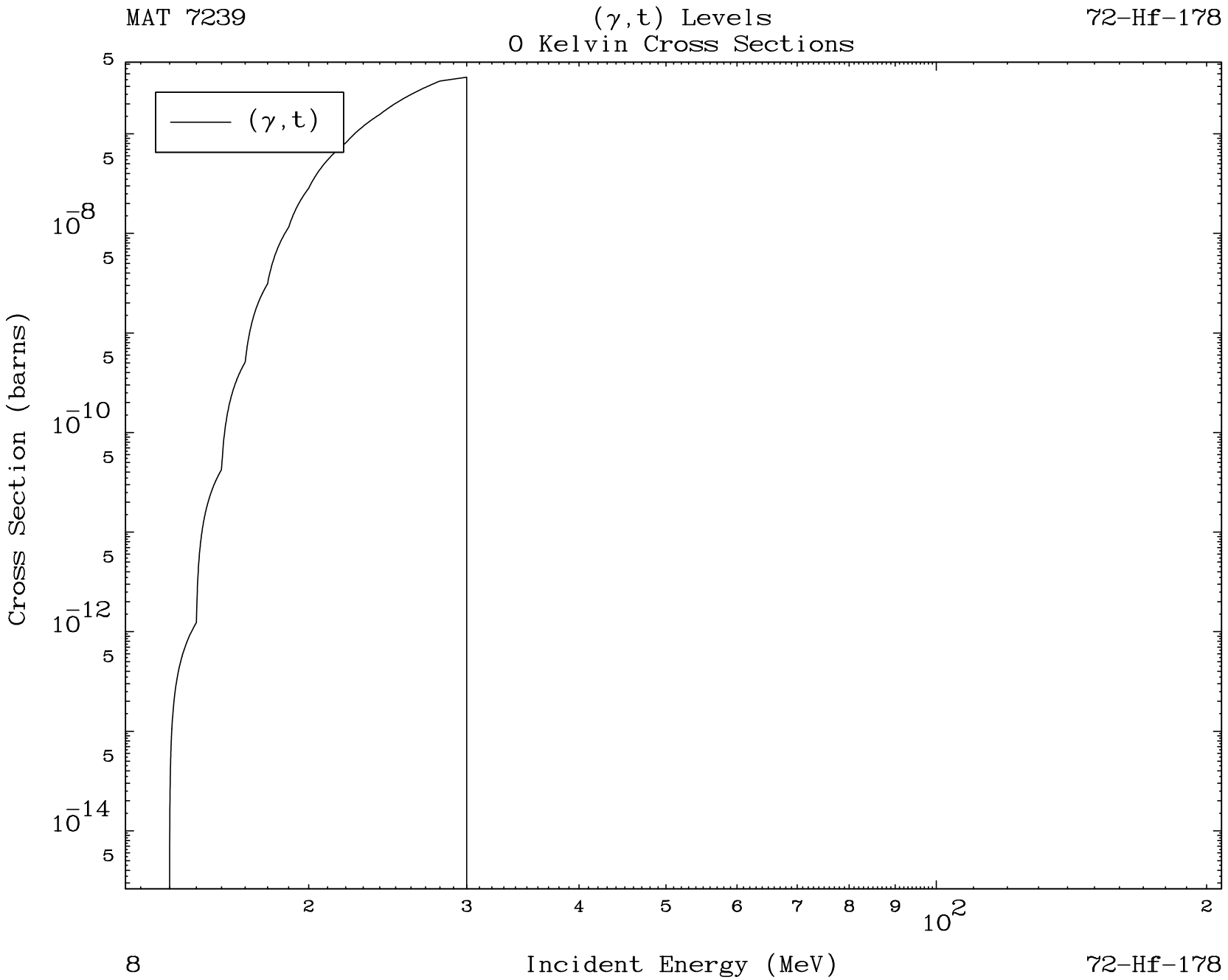

MAT 7239
Photon Charged Particle
0 Kelvin Cross Sections
72-Hf-178
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
3
72-Hf-178

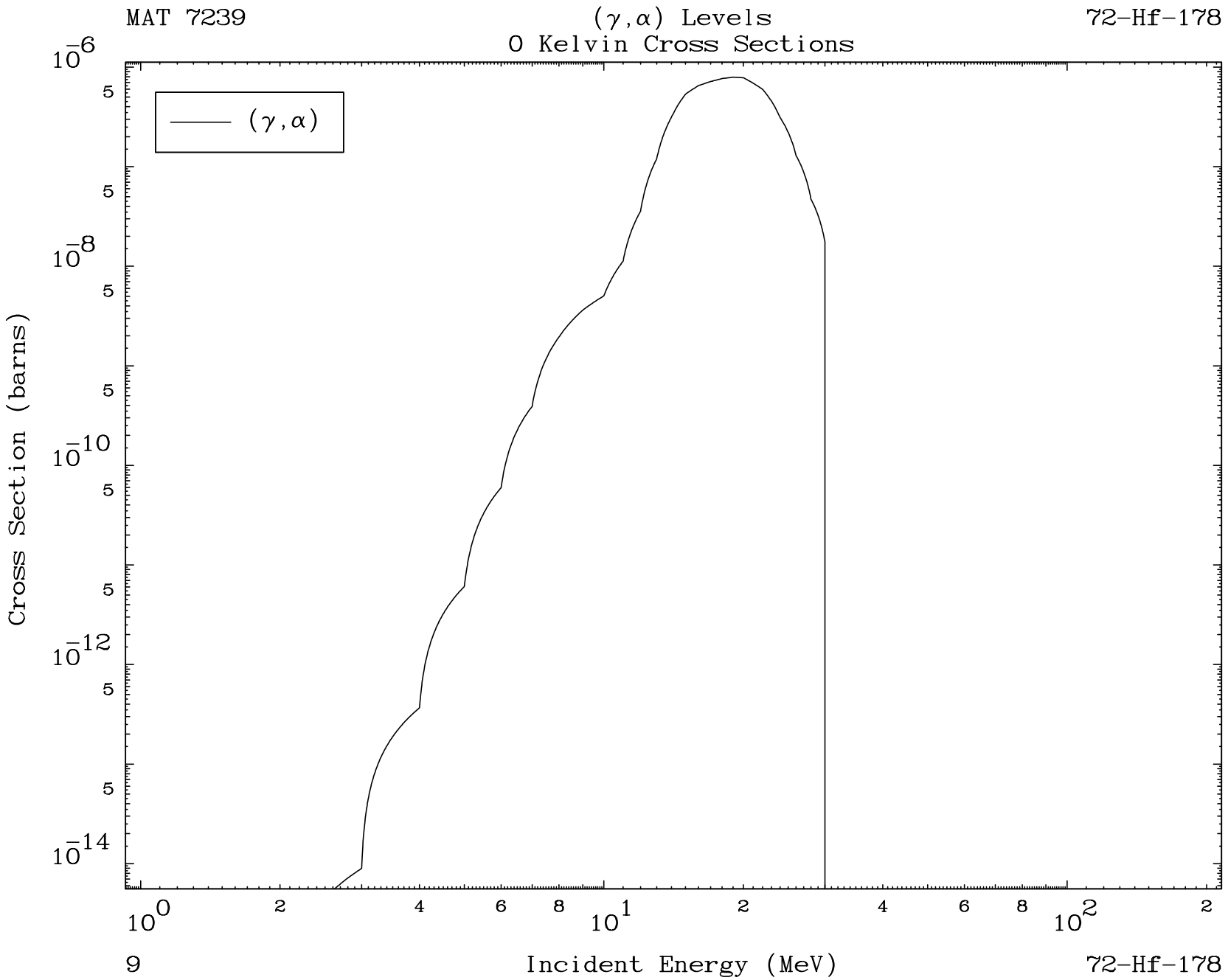

MAT 7239
Photon Charged Particle
0 Kelvin Cross Sections
72-Hf-178
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
(γ,2p)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-178
4

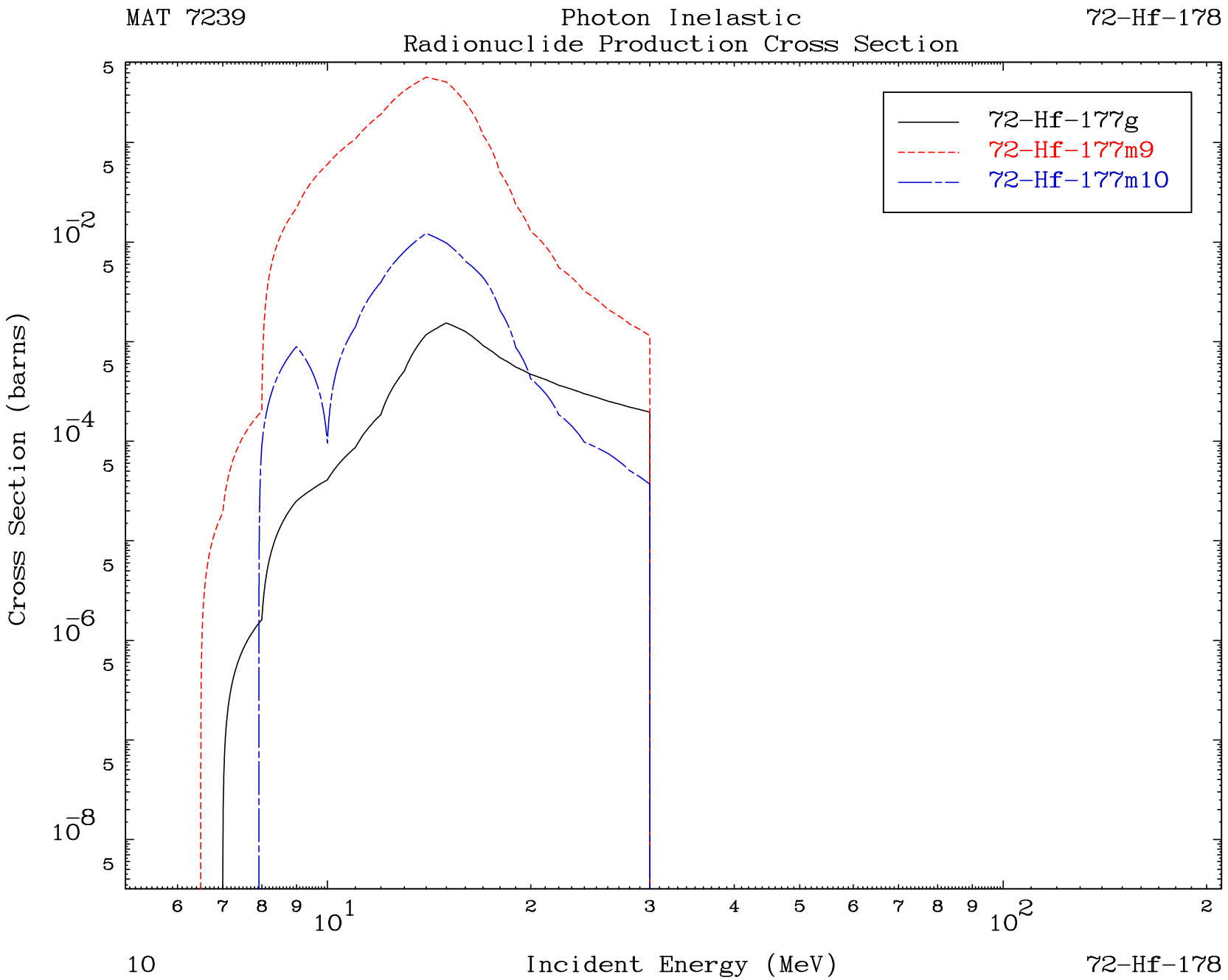

MAT 7239
(γ,n') Level
72-Hf-178
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
72-Hf-178

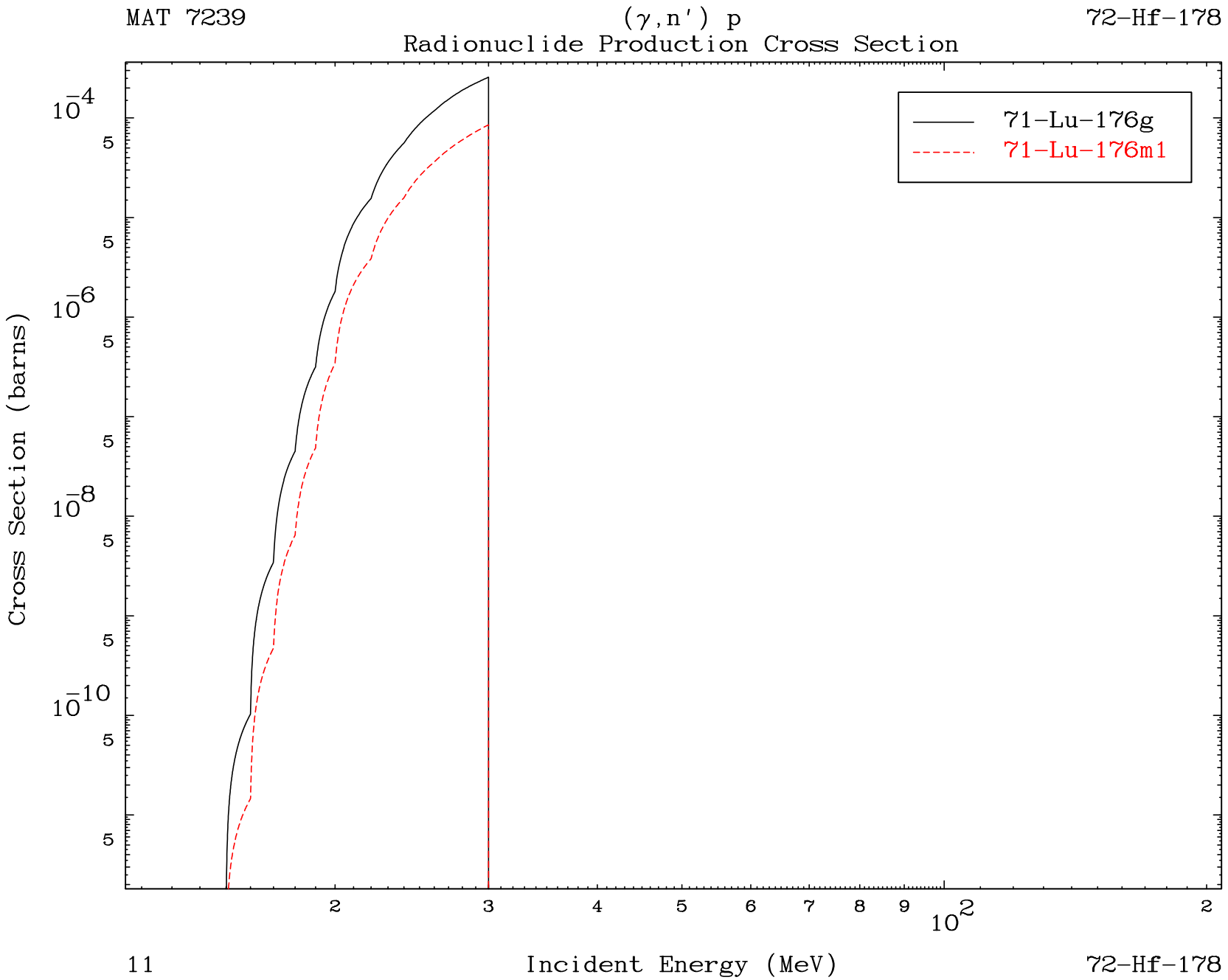

MAT 7239
(γ,p) Levels
72-Hf-178
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
6
72-Hf-178

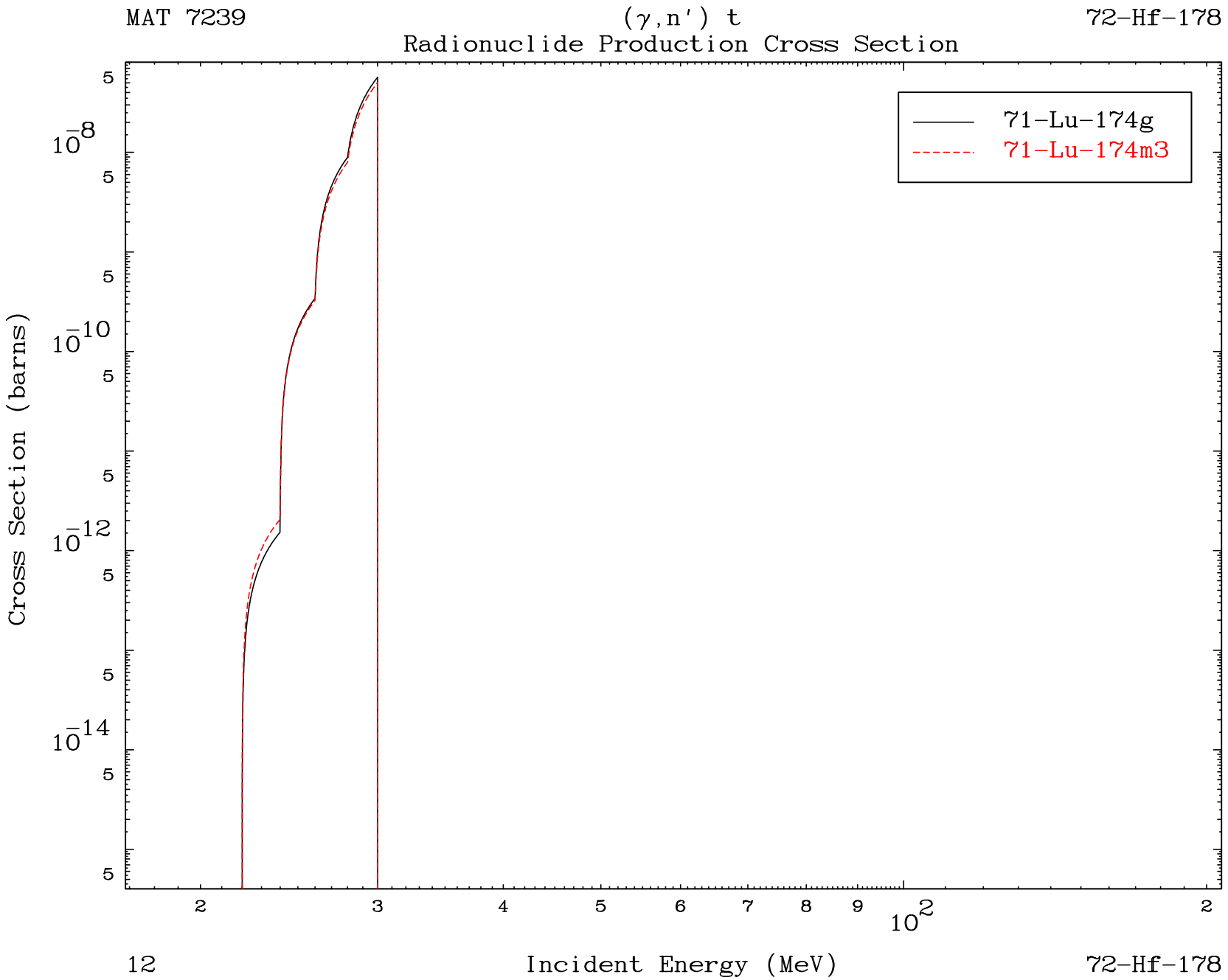

MAT 7239
(γ,d) Levels
72-Hf-178
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
72-Hf-178

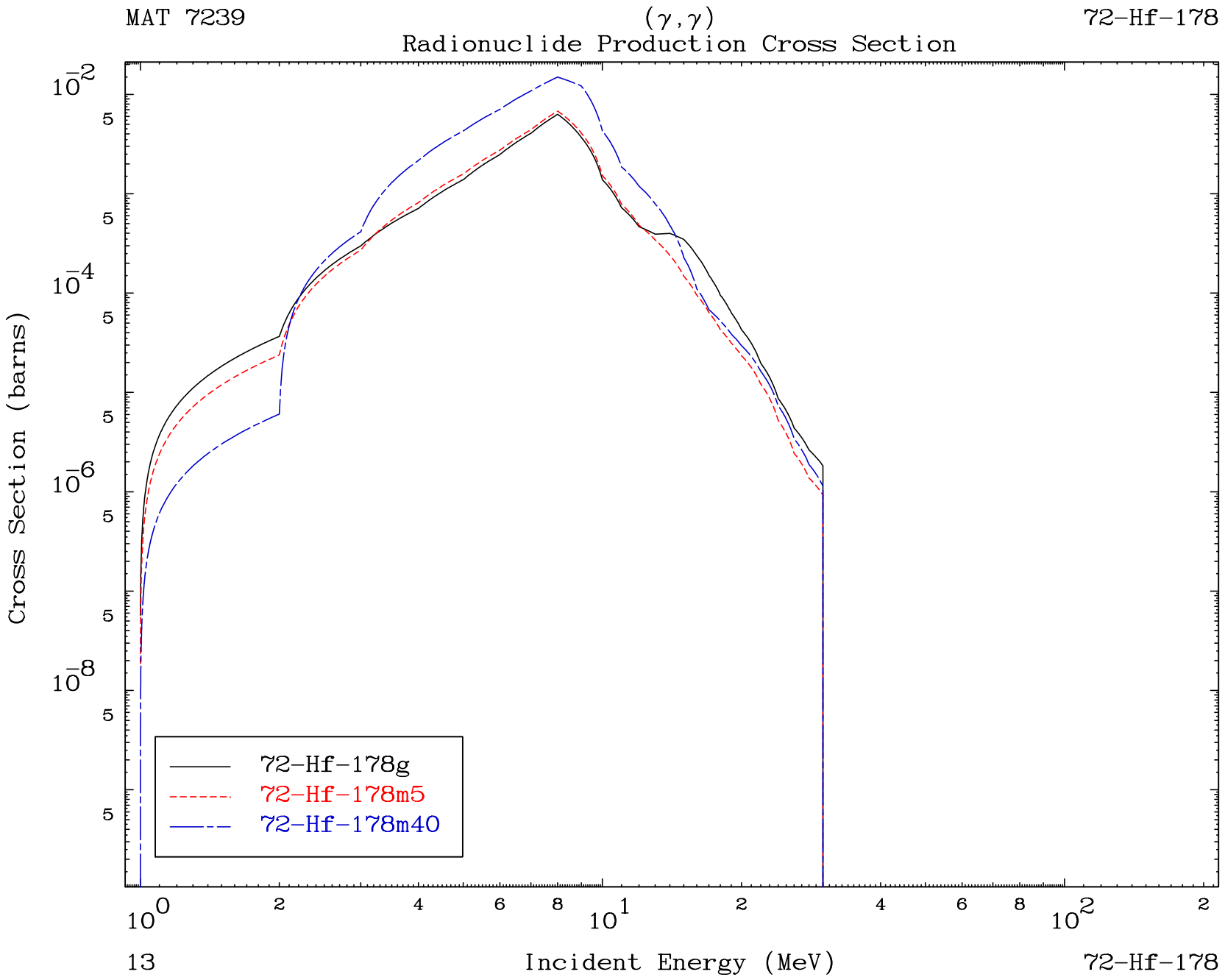

MAT 7239
(γ,t) Levels
72-Hf-178
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
72-Hf-178

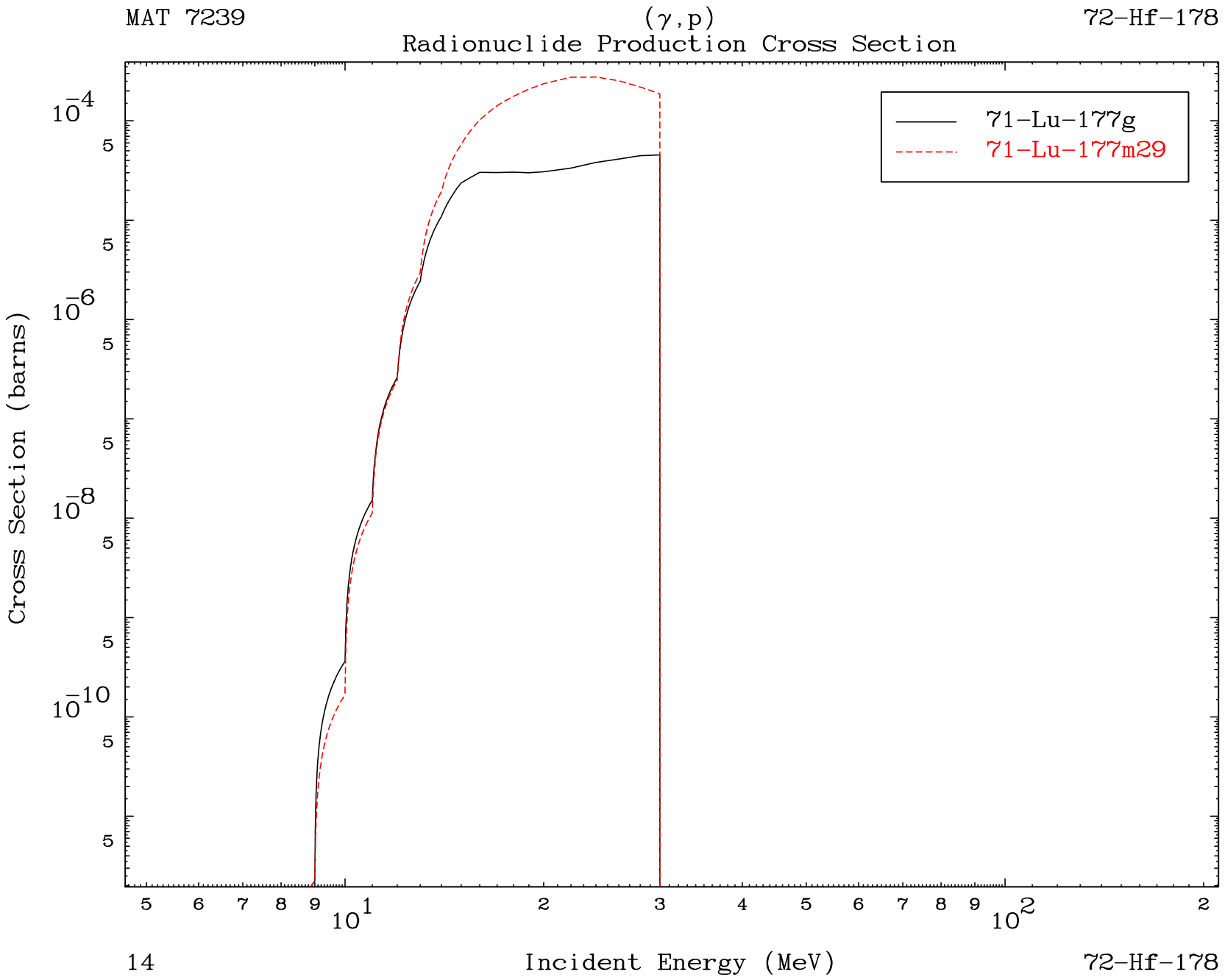

MAT 7239
(γ,α) Levels
72-Hf-178
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
9
72-Hf-178

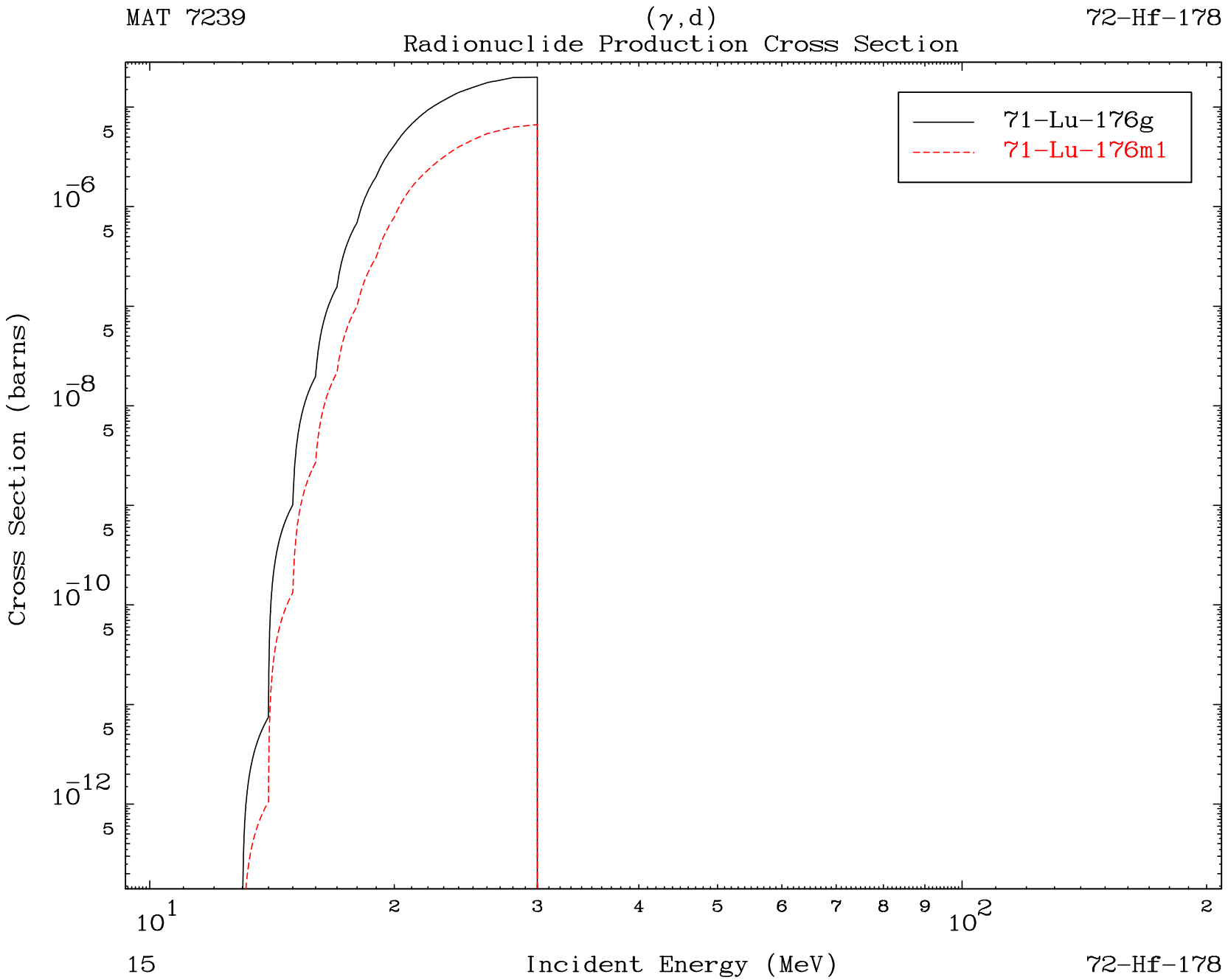

MAT 7239
Photon Inelastic
72-Hf-178
Radionuclide Production Cross Section
72-Hf-177g
72-Hf-177m9
72-Hf-177m10
Cross Section (barns)
Incident Energy (MeV)
72-Hf-178

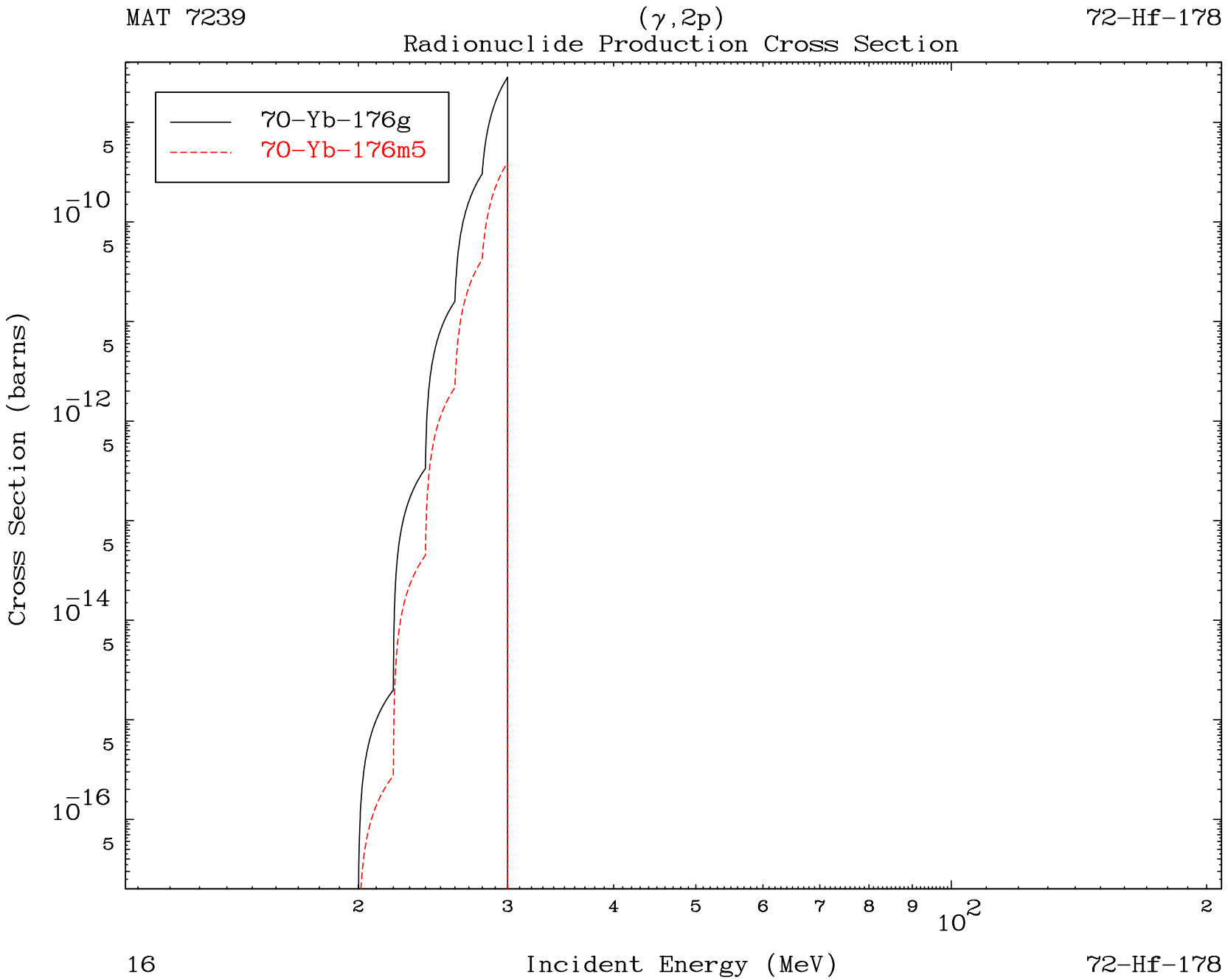

MAT 7239
(γ,n') p
72-Hf-178
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
72-Hf-178


MAT 7239
(γ,n') t
72-Hf-178
Radionuclide Production Cross Section
71-Lu-174g
71-Lu-174m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
72-Hf-178


MAT 7239
(γ,γ)
72-Hf-178
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
2
4
6
8
101
102
13
Incident Energy (MeV)
72-Hf-178
72-Hf-178g
72-Hf-178m5
72-Hf-178m40


MAT 7239
(γ,p)
72-Hf-178
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
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
14
Incident Energy (MeV)
72-Hf-178


MAT 7239
(γ,d)
72-Hf-178
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
15
72-Hf-178


MAT 7239
(γ,2p)
72-Hf-178
Radionuclide Production Cross Section
70-Yb-176g
70-Yb-176m5
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
72-Hf-178