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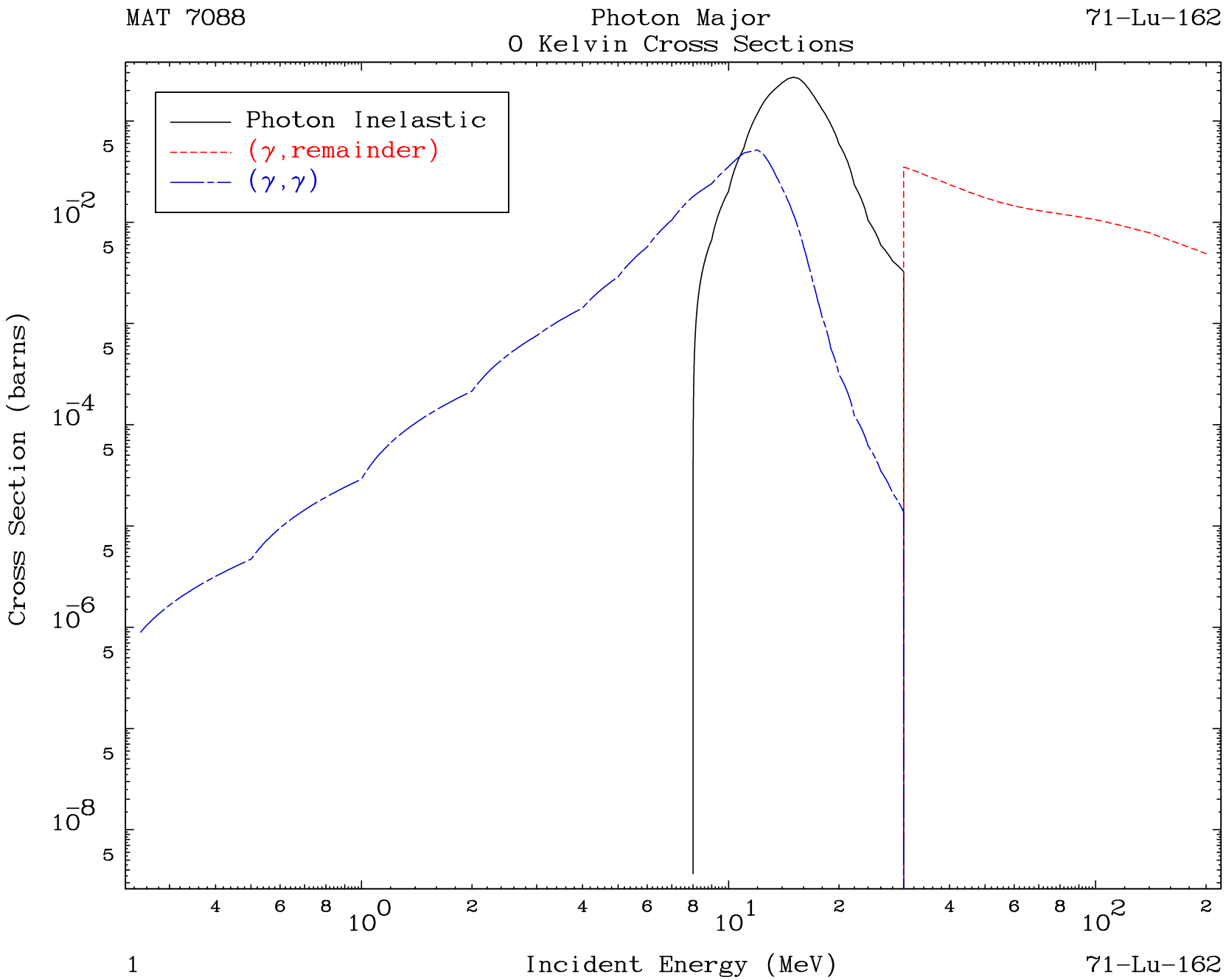
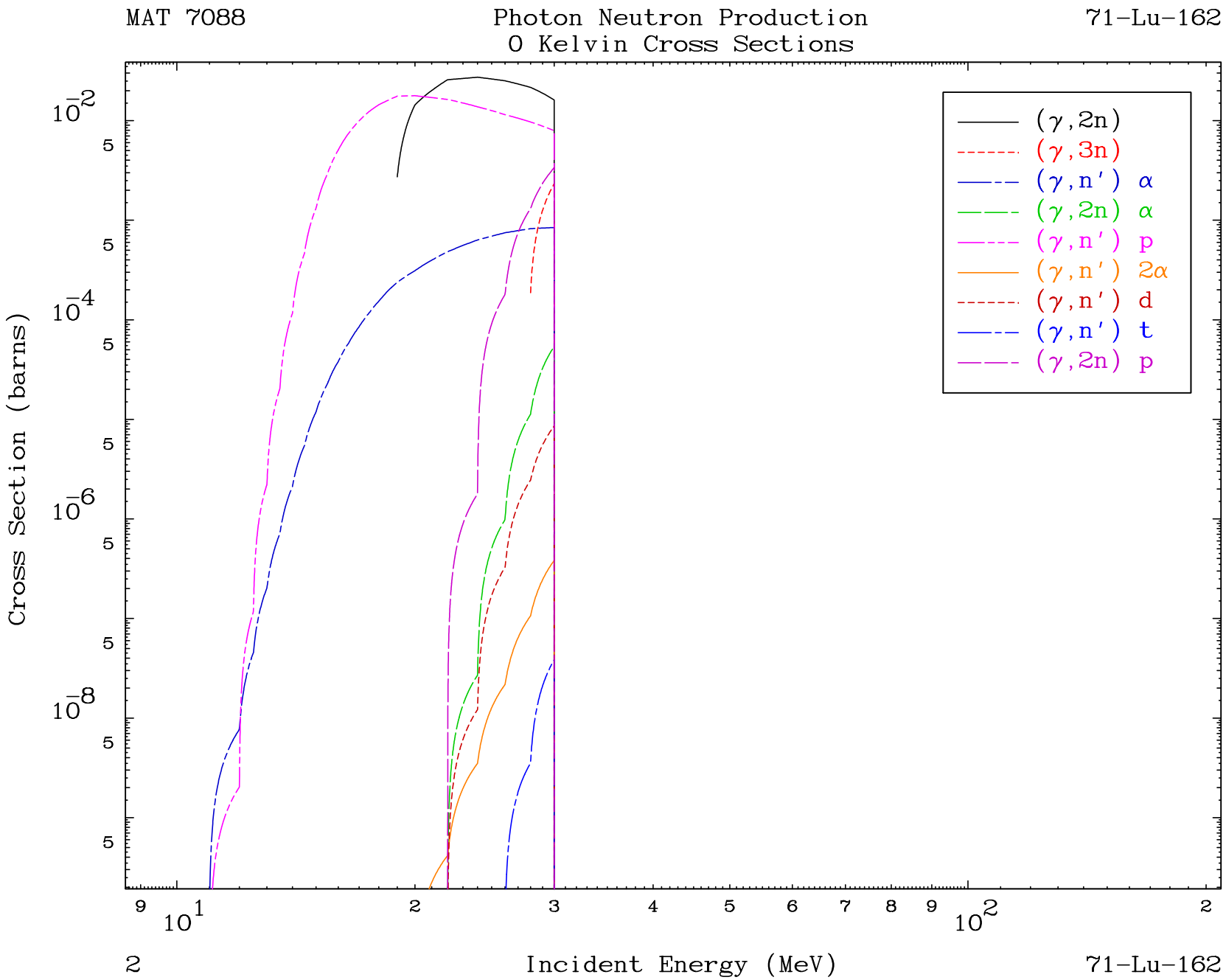
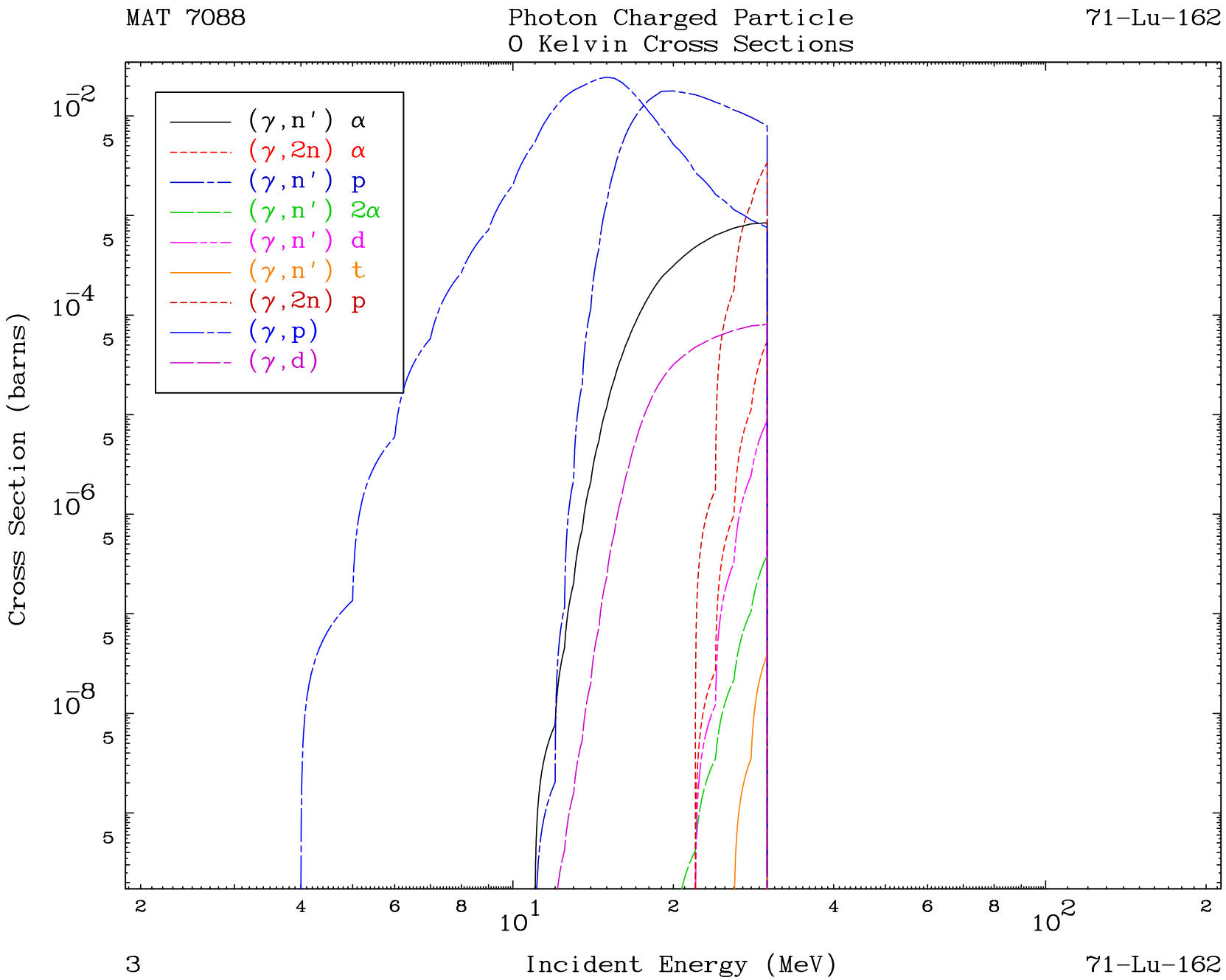
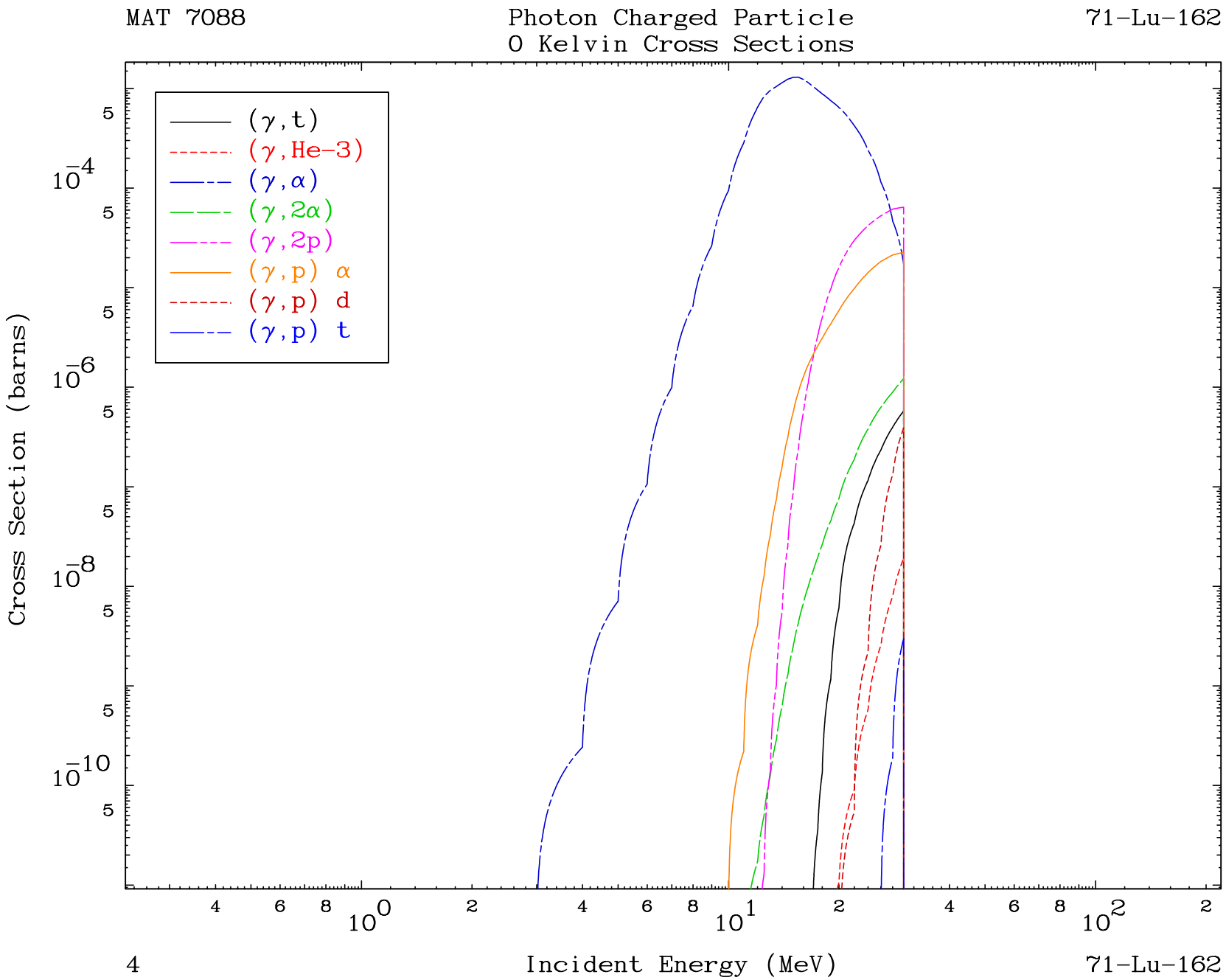
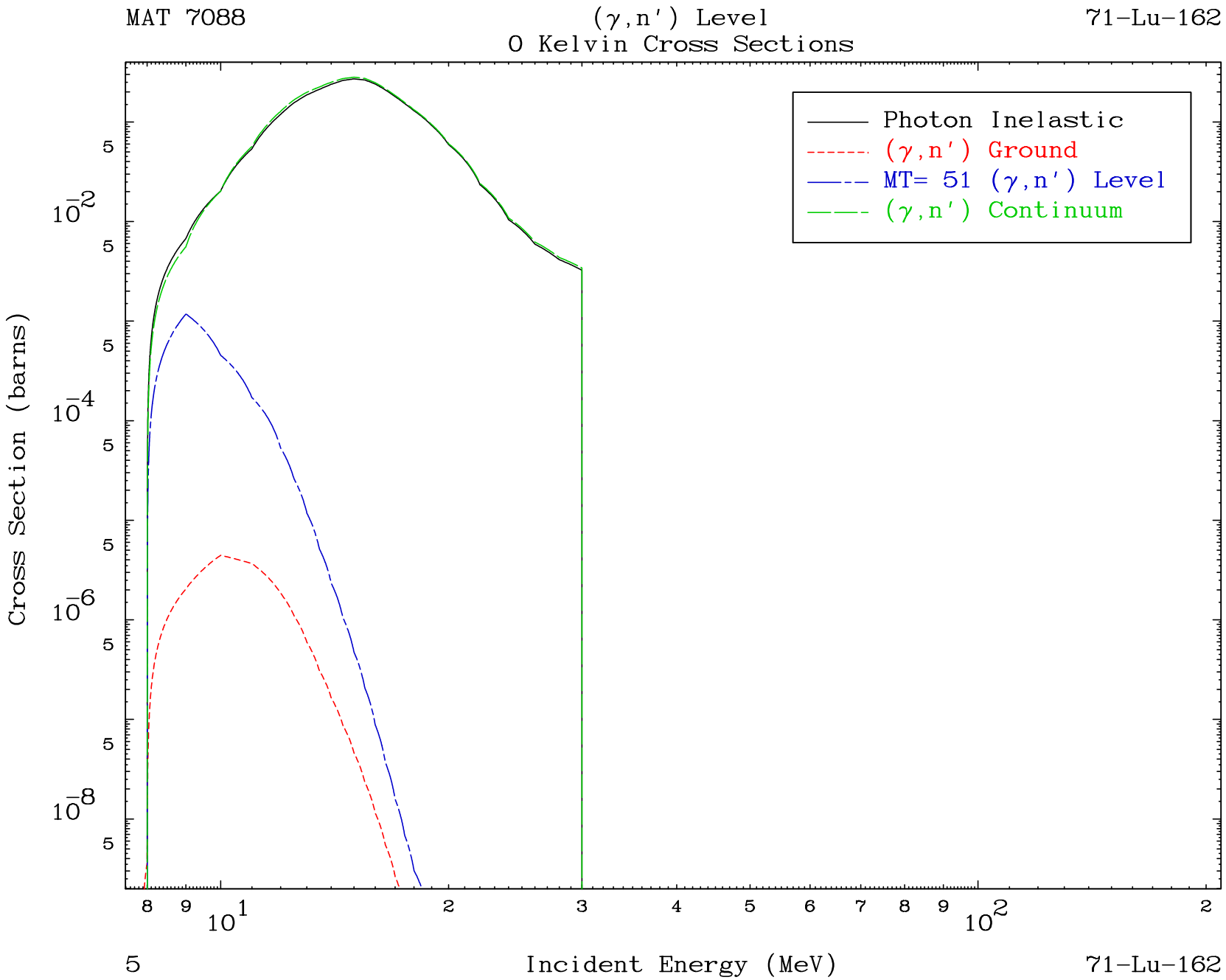
Press Mouse Button to Start

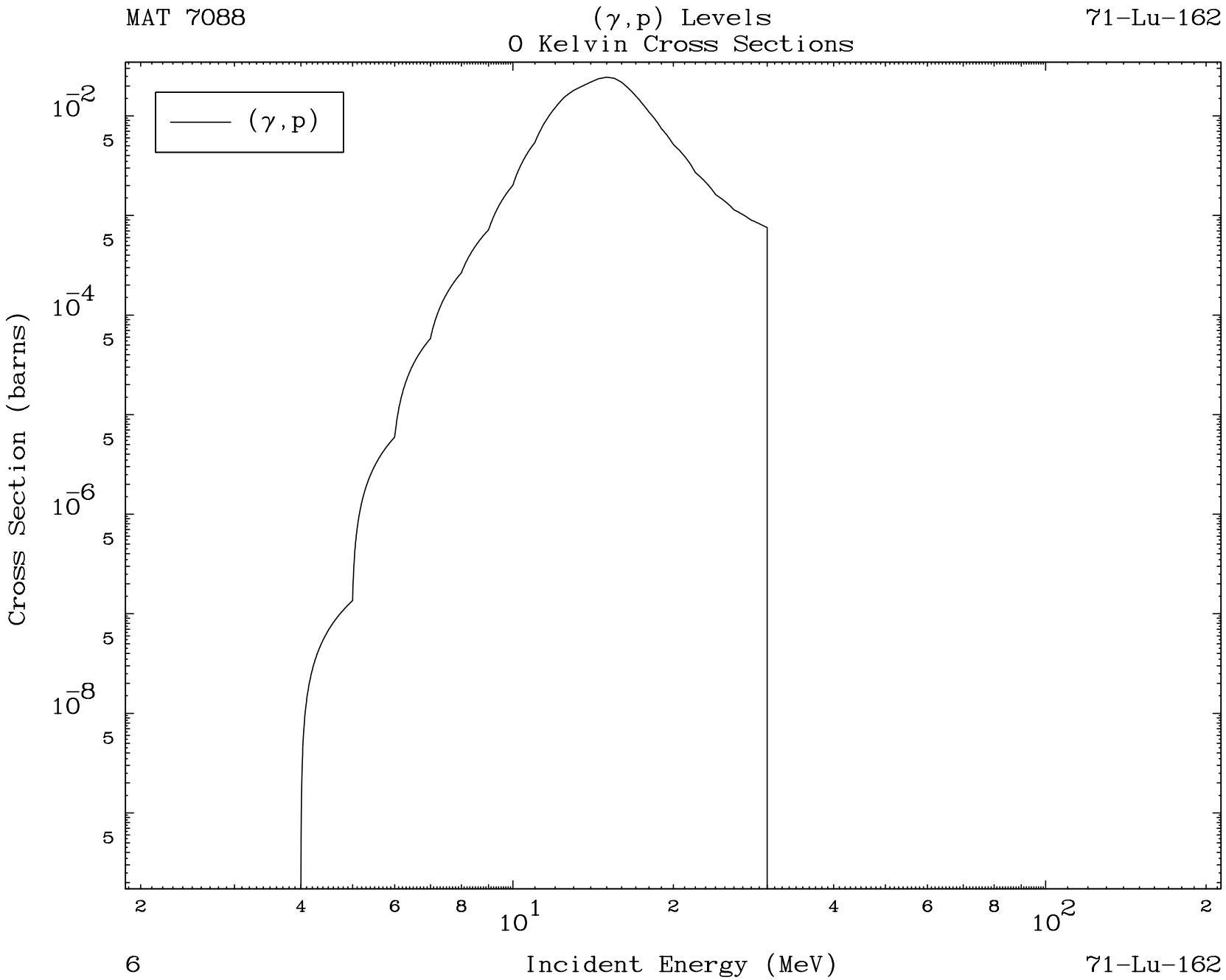

MAT 7088
Photon Major
71-Lu-162
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-162

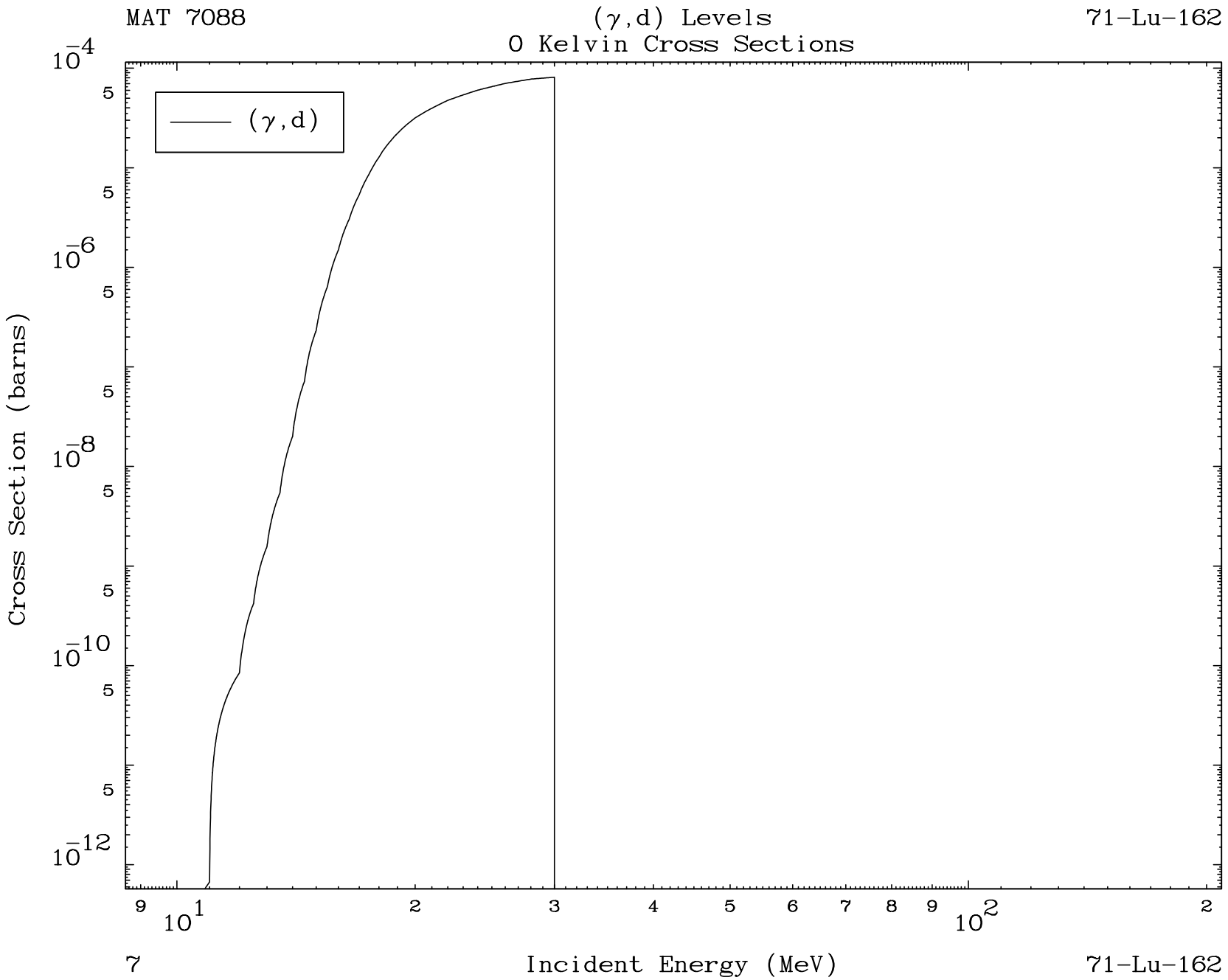

MAT 7088
Photon Neutron Production
0 Kelvin Cross Sections
71-Lu-162
Cross Section (barns)
Incident Energy (MeV)
71-Lu-162
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p

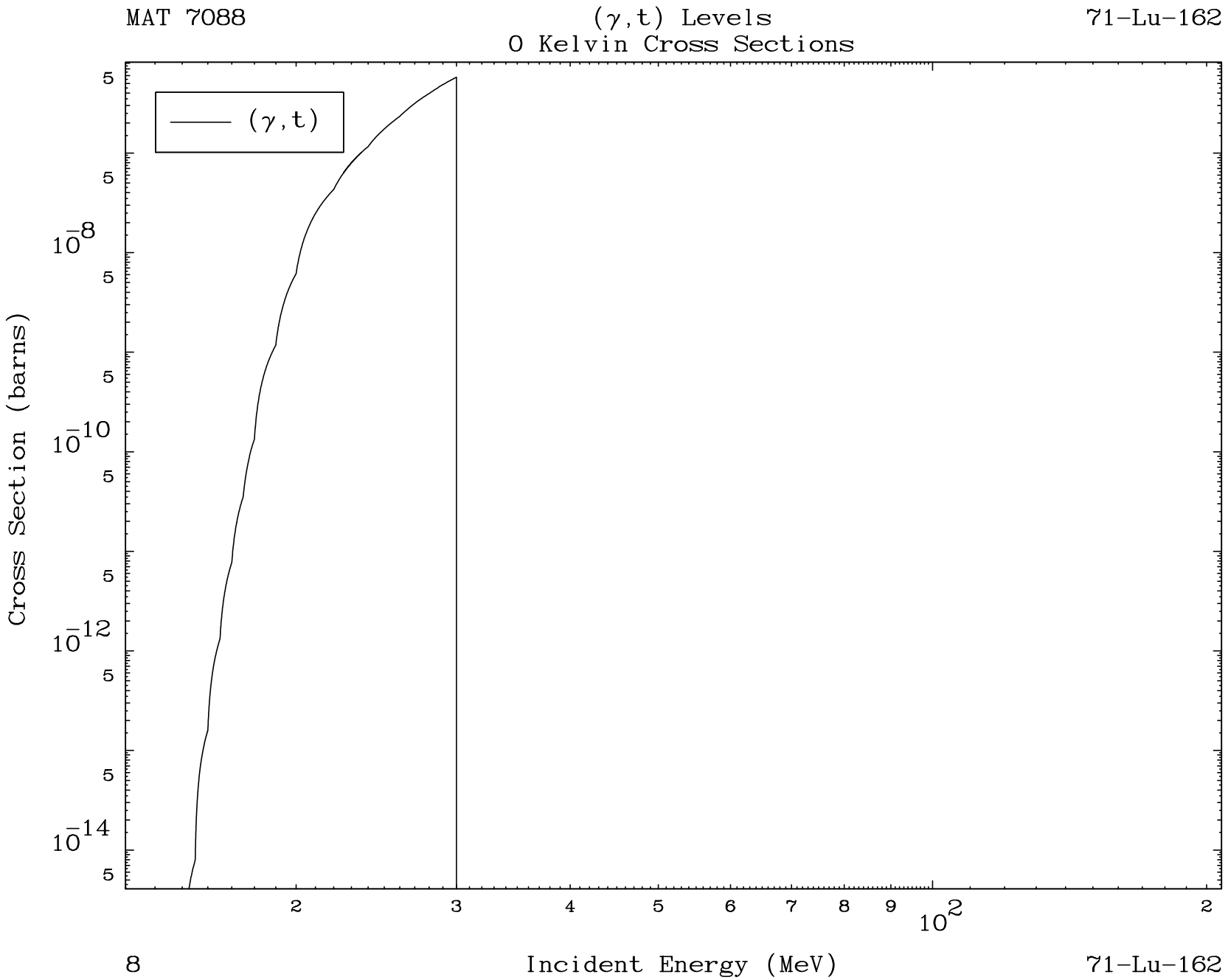

MAT 7088
Photon Charged Particle
0 Kelvin Cross Sections
71-Lu-162
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
3
71-Lu-162

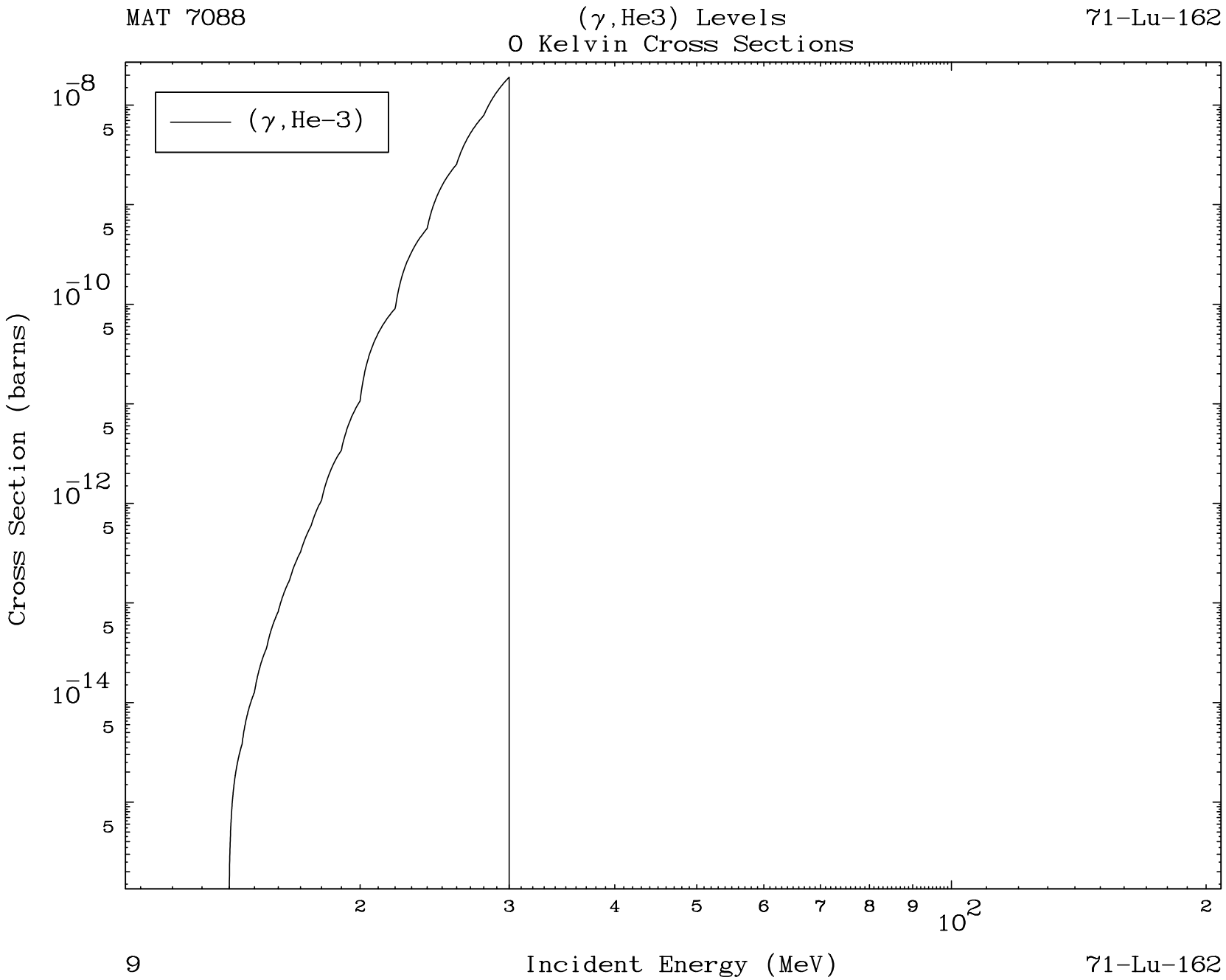

MAT 7088
Photon Charged Particle
0 Kelvin Cross Sections
71-Lu-162
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
71-Lu-162

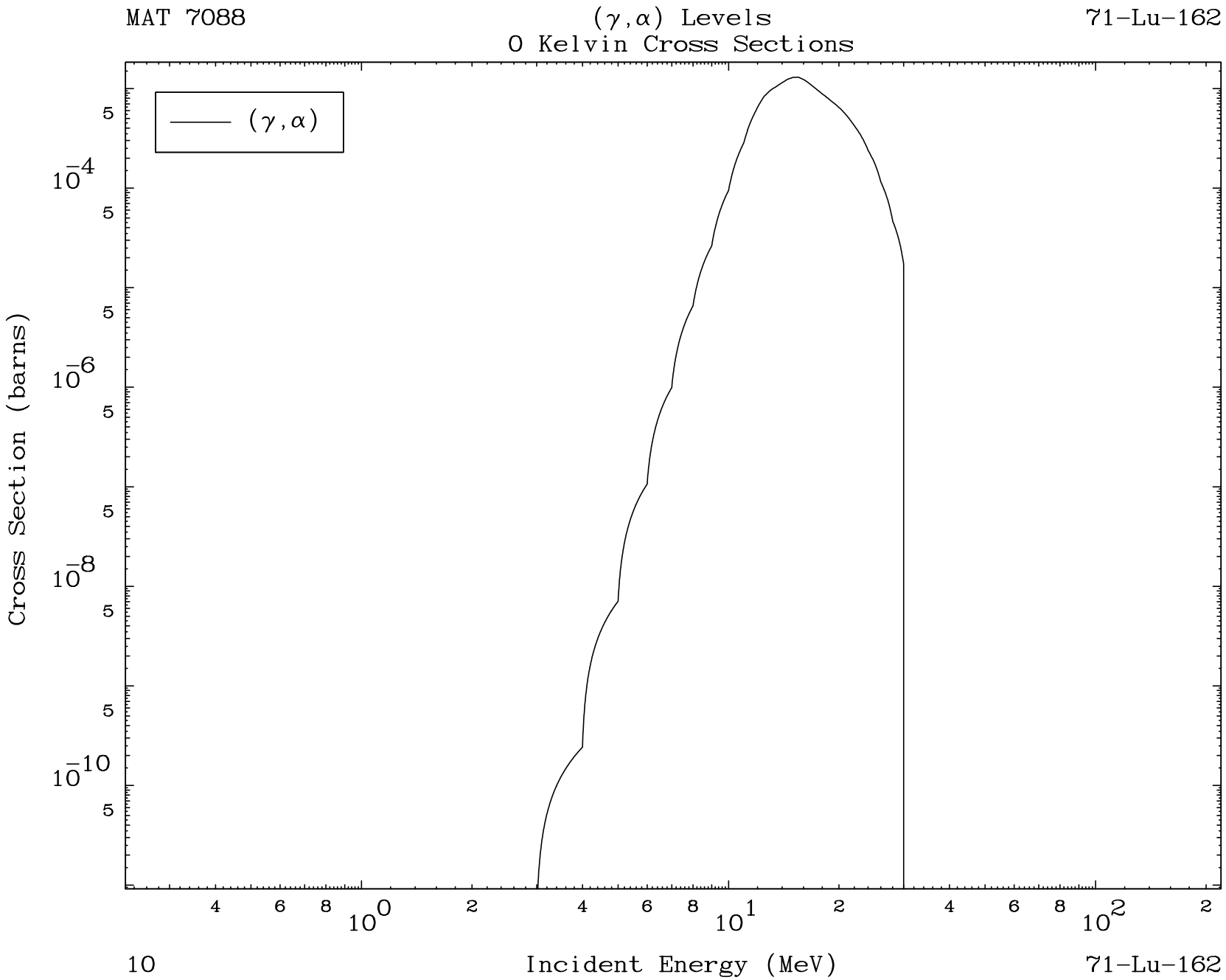

MAT 7088
(γ,n') Level
71-Lu-162
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
71-Lu-162

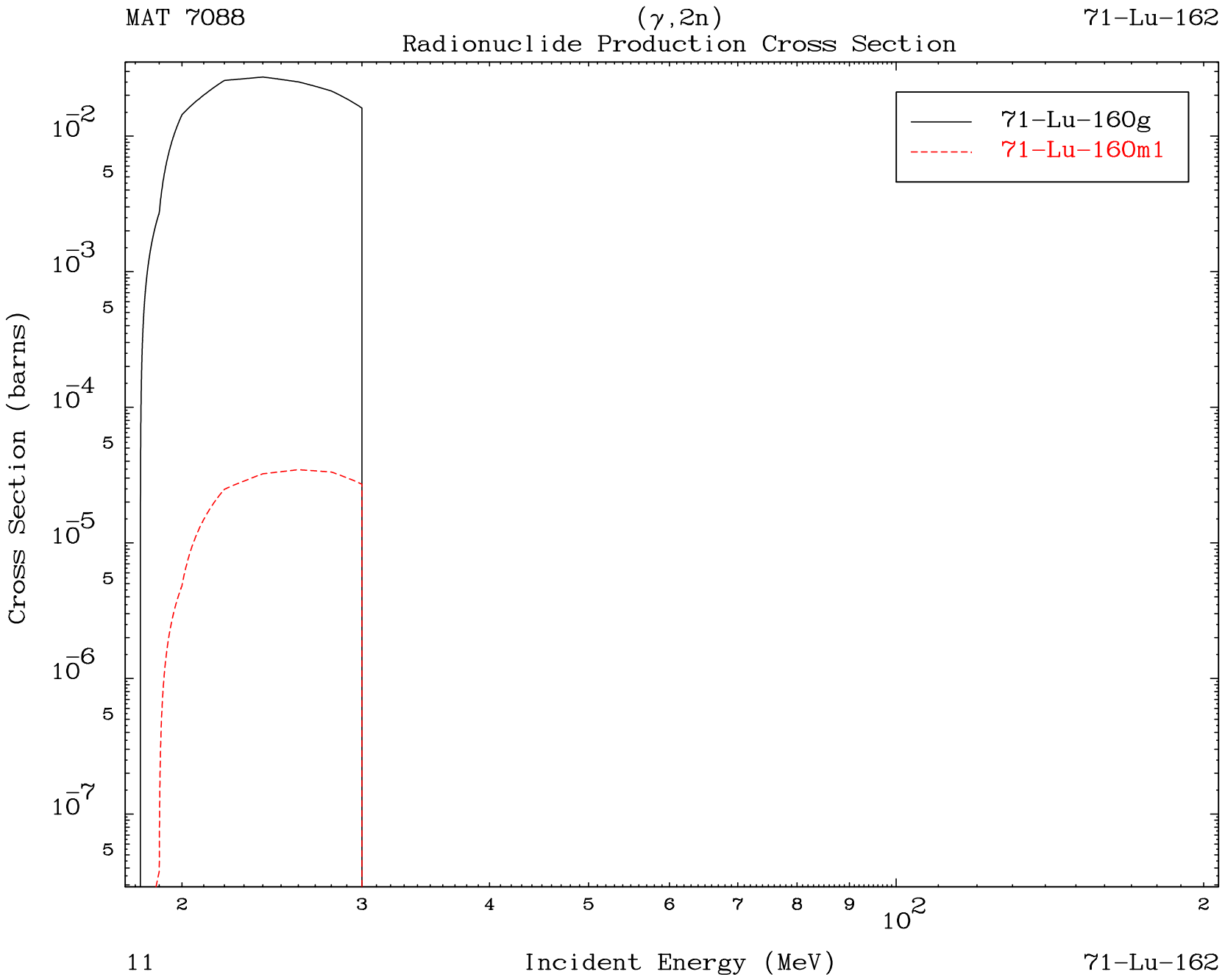

MAT 7088
(γ,p) Levels
71-Lu-162
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10 1
2
4
6
8
10 2
2
Incident Energy (MeV)
6
71-Lu-162

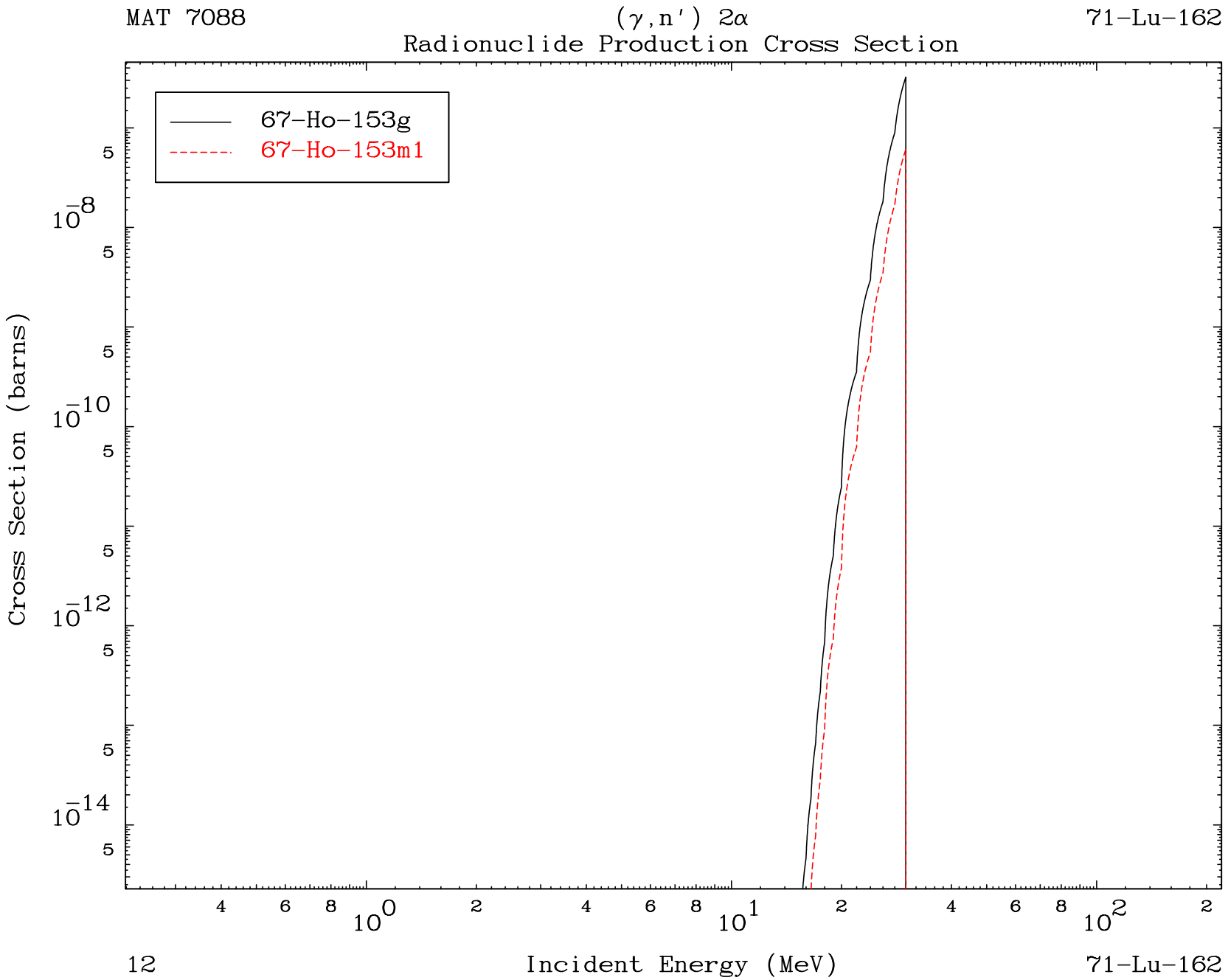

MAT 7088
(γ,d) Levels
71-Lu-162
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-162
7

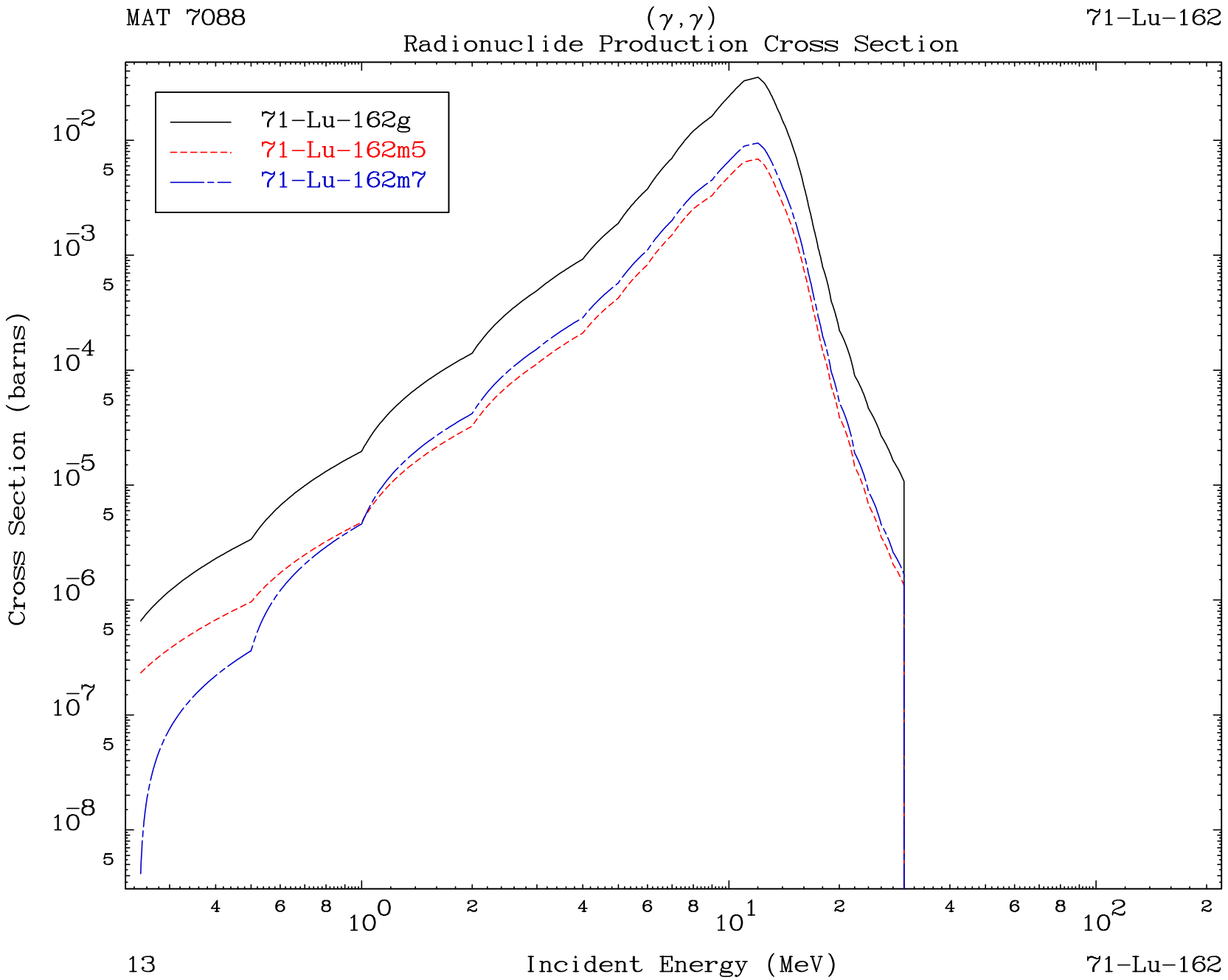

MAT 7088
(γ,t) Levels
71-Lu-162
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
5
5
10^-8
5
5
10^-10
5
5
10^-12
5
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
8
Incident Energy (MeV)
71-Lu-162

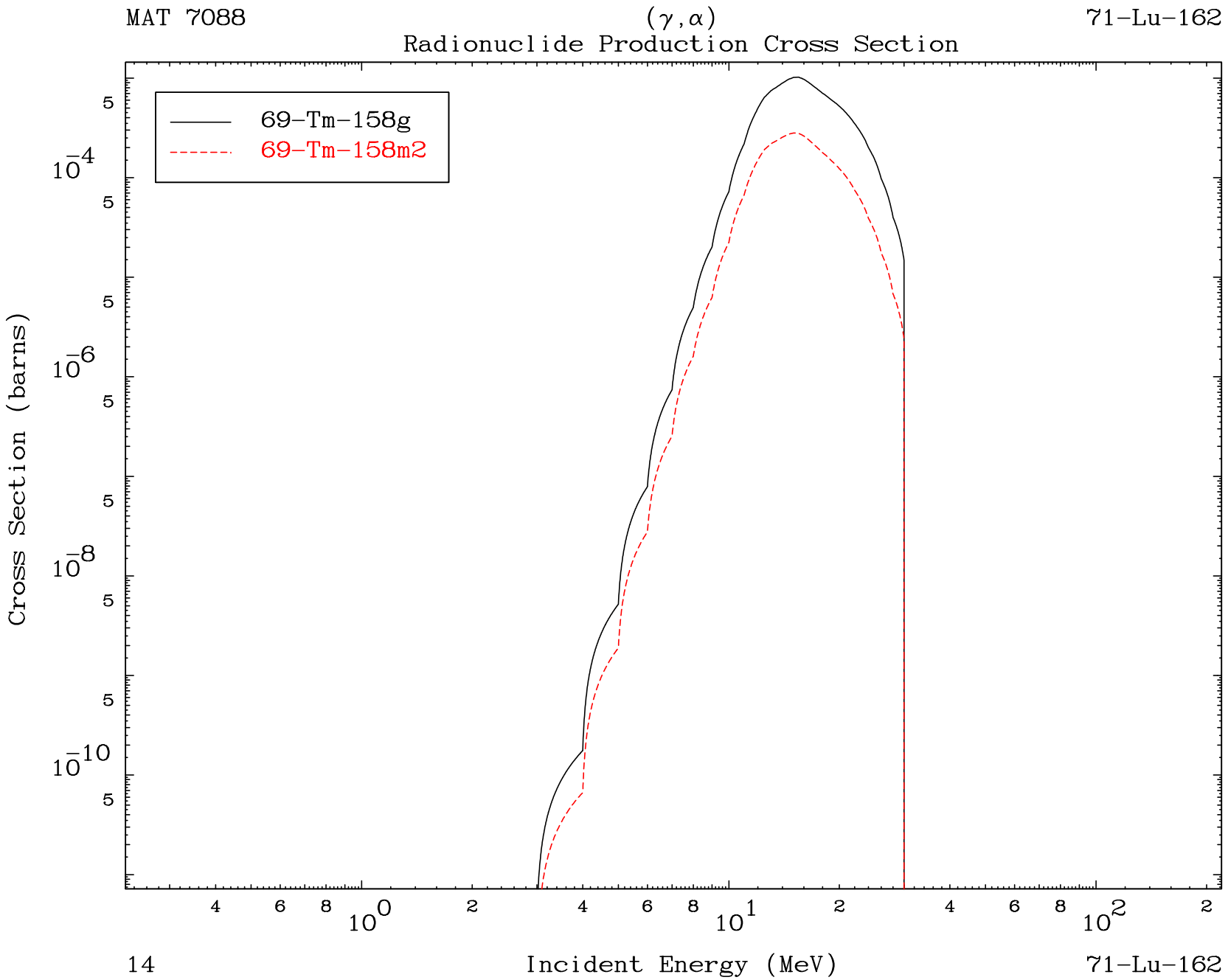

MAT 7088
(γ,He3) Levels
71-Lu-162
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
71-Lu-162

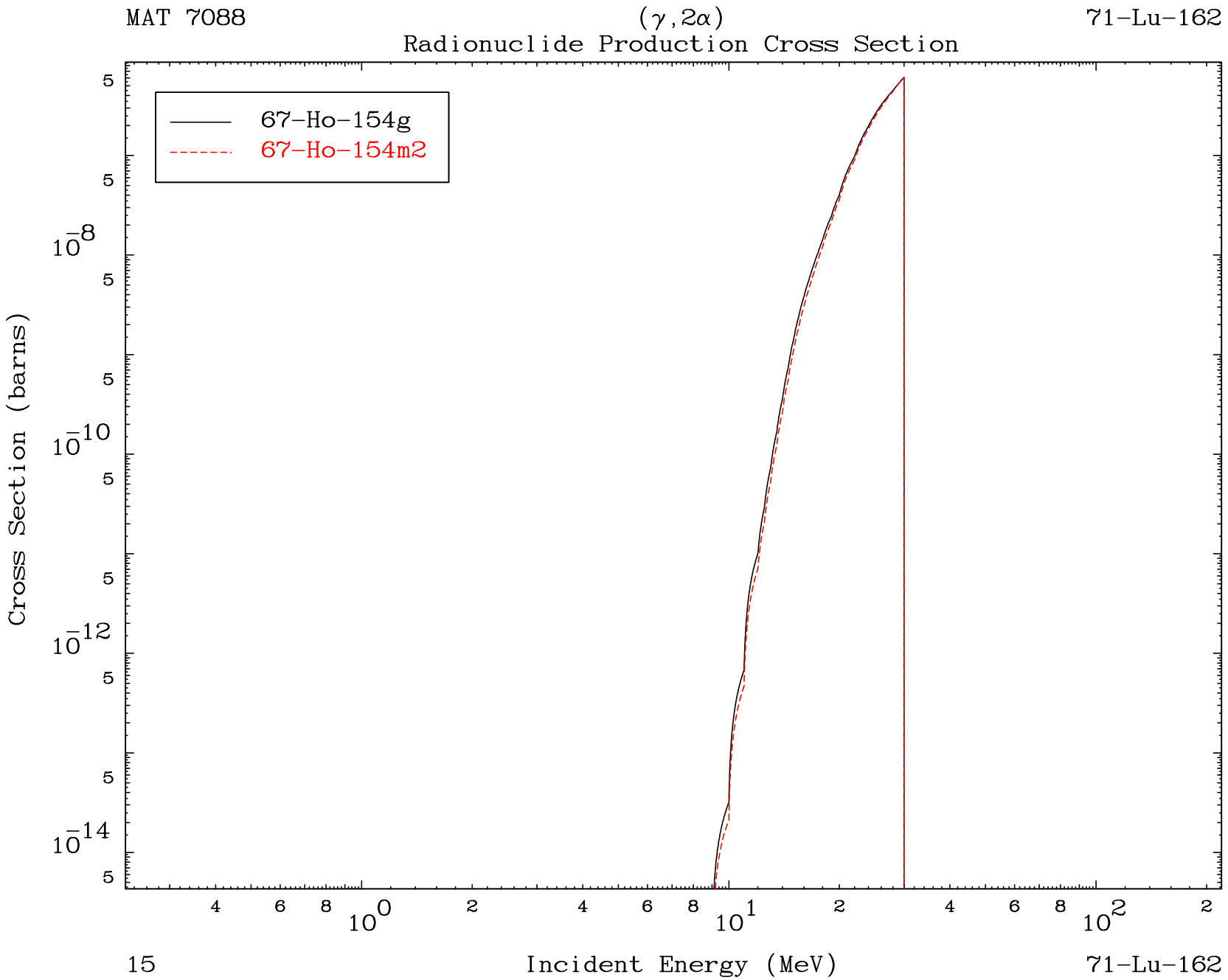

MAT 7088
(γ,α) Levels
71-Lu-162
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
71-Lu-162

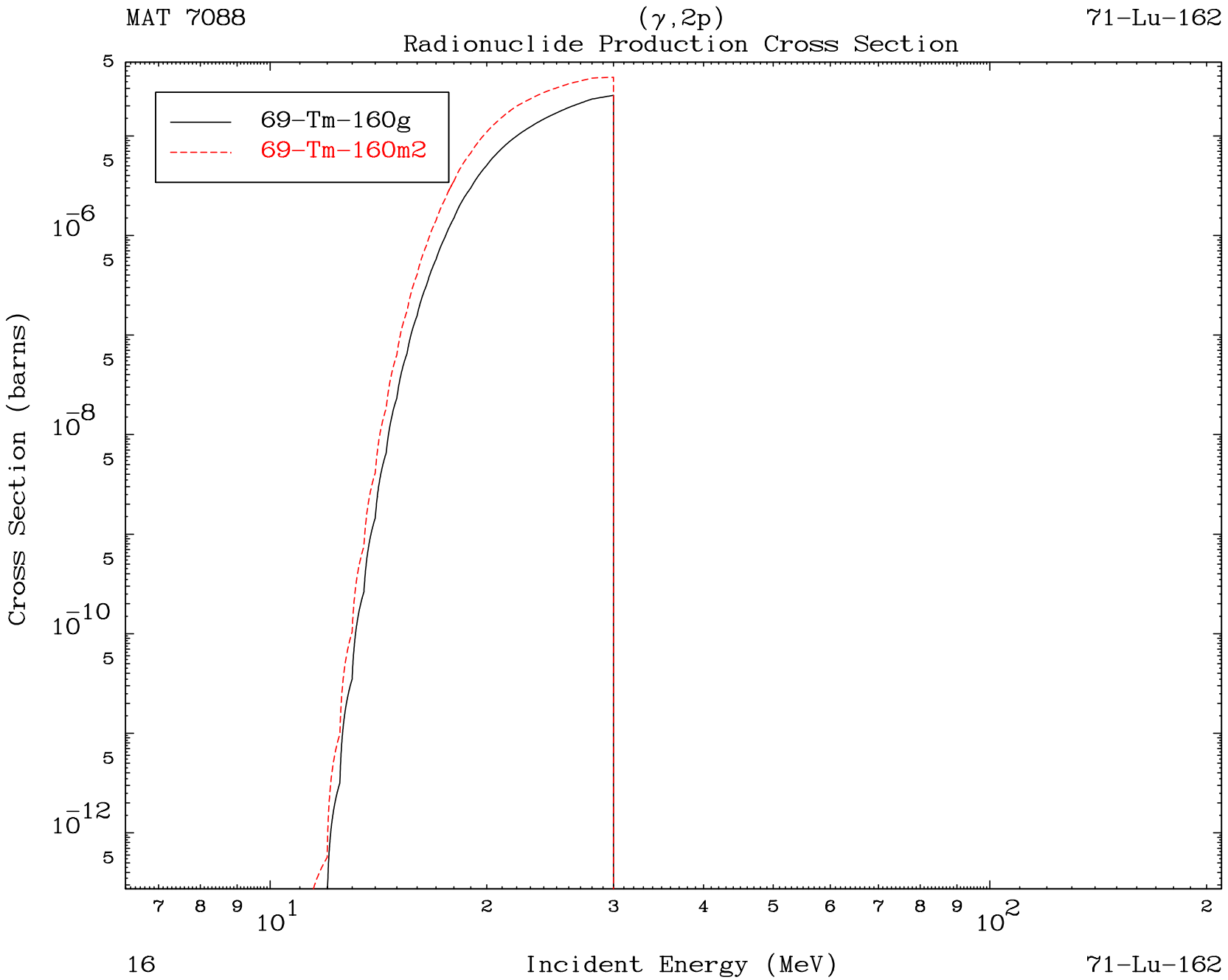

MAT 7088
(γ,2n)
71-Lu-162
Radionuclide Production Cross Section
71-Lu-160g
71-Lu-160m1
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
5
10-7
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
71-Lu-162

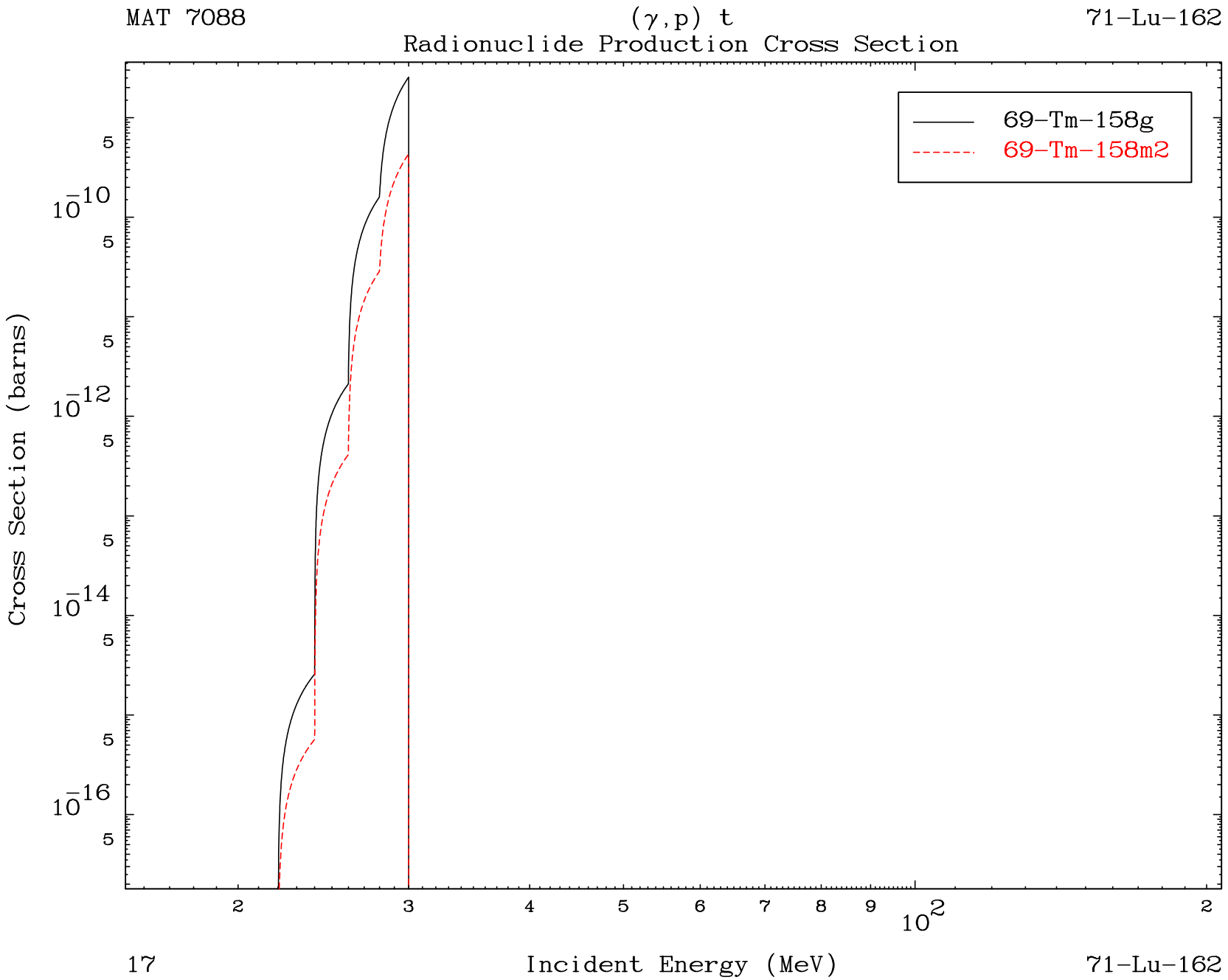

MAT 7088
(γ,n') 2α
71-Lu-162
Radionuclide Production Cross Section
67-Ho-153g
67-Ho-153m1
Cross Section (barns)
Incident Energy (MeV)
12
71-Lu-162


MAT 7088
(γ,γ)
71-Lu-162
Radionuclide Production Cross Section
71-Lu-162g
71-Lu-162m5
71-Lu-162m7
Cross Section (barns)
Incident Energy (MeV)
13
71-Lu-162


MAT 7088
(γ,α)
71-Lu-162
Radionuclide Production Cross Section
69-Tm-158g
69-Tm-158m2
Cross Section (barns)
Incident Energy (MeV)
14
71-Lu-162


MAT 7088
(γ,2α)
71-Lu-162
Radionuclide Production Cross Section
67-Ho-154g
67-Ho-154m2
Cross Section (barns)
Incident Energy (MeV)
15
71-Lu-162


MAT 7088
(γ,2p)
71-Lu-162
Radionuclide Production Cross Section
69-Tm-160g
69-Tm-160m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
16
71-Lu-162


MAT 7088
(γ,p) t
71-Lu-162
Radionuclide Production Cross Section
69-Tm-158g
69-Tm-158m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
17
Incident Energy (MeV)
71-Lu-162