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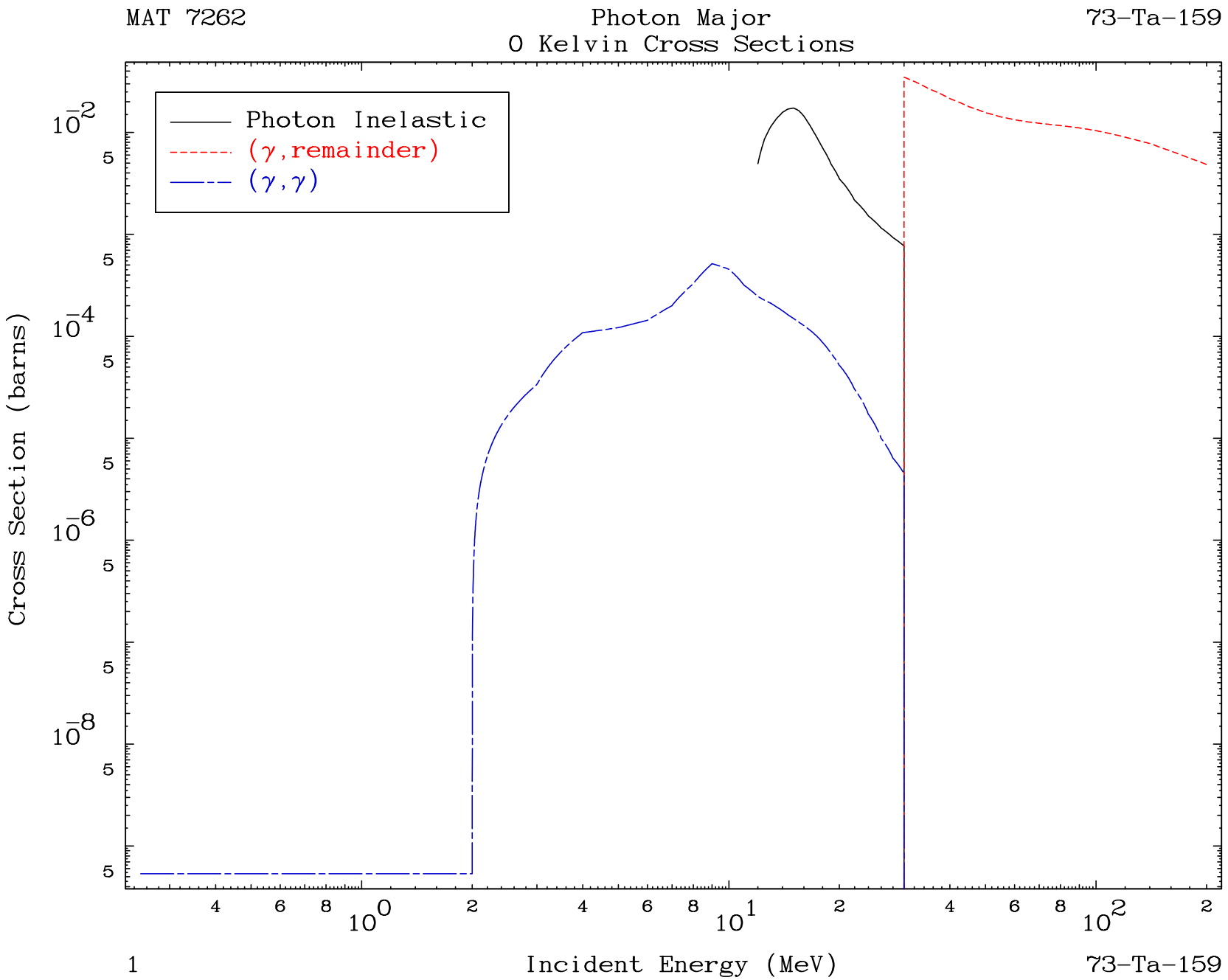
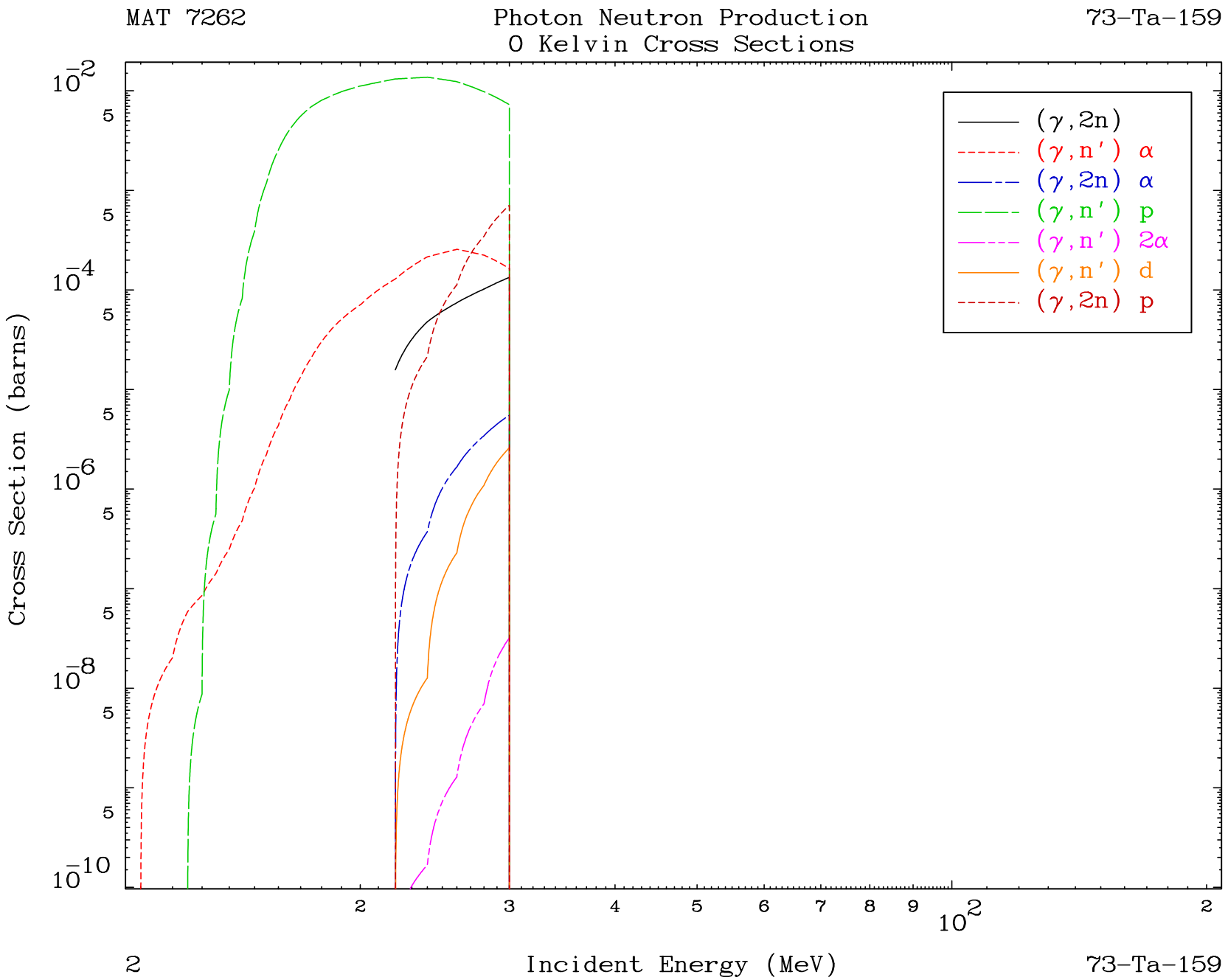
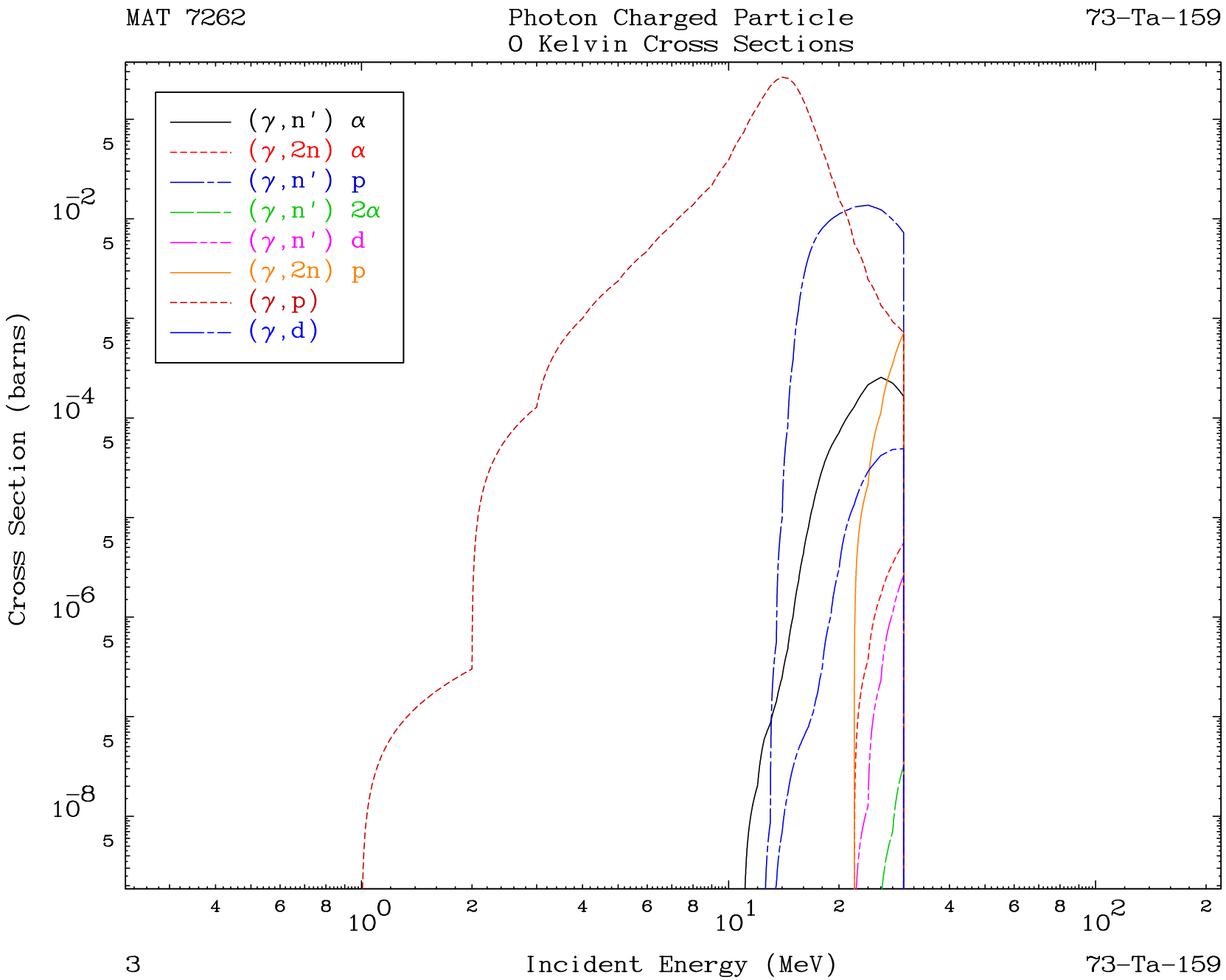
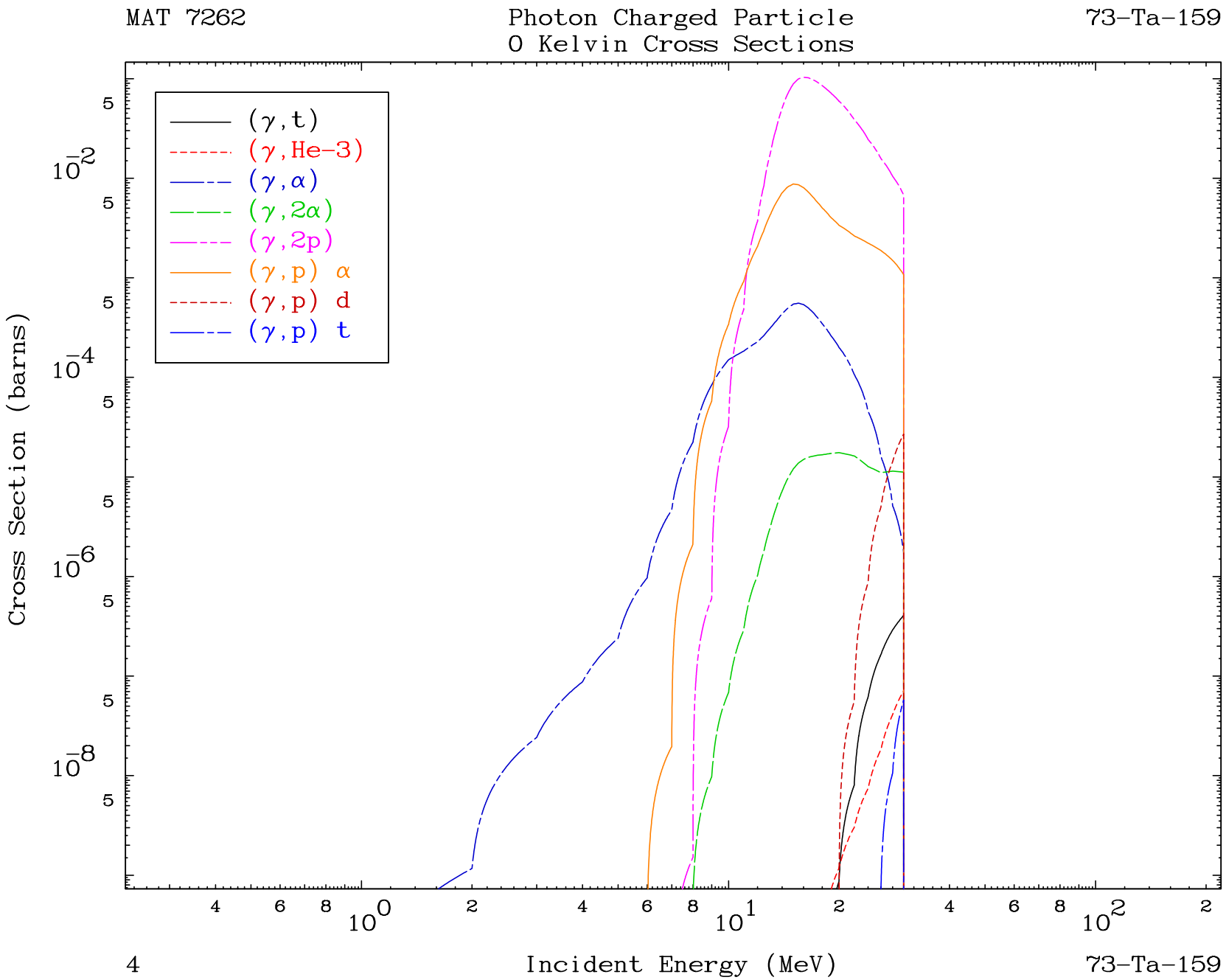
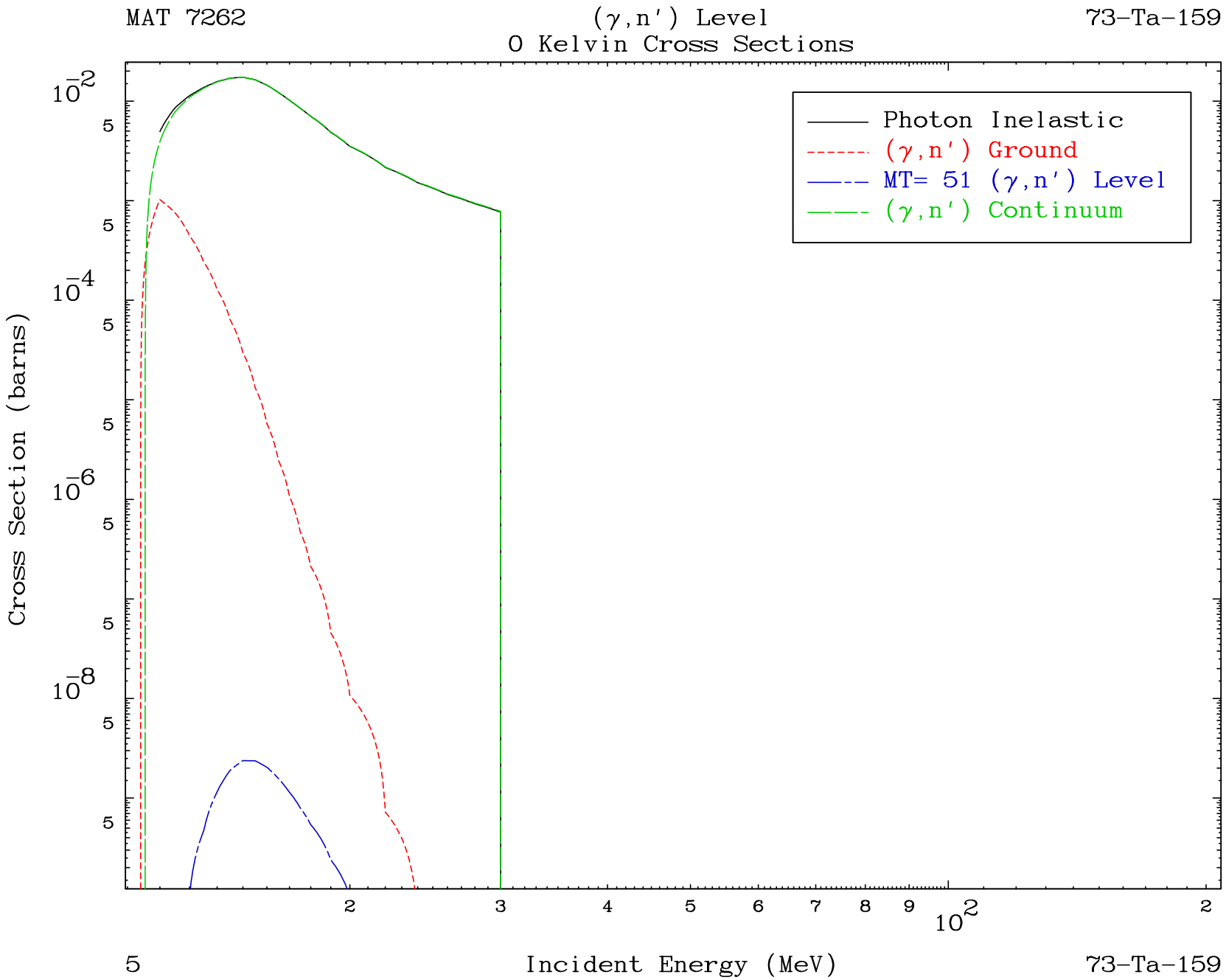
Press Mouse Button to Start

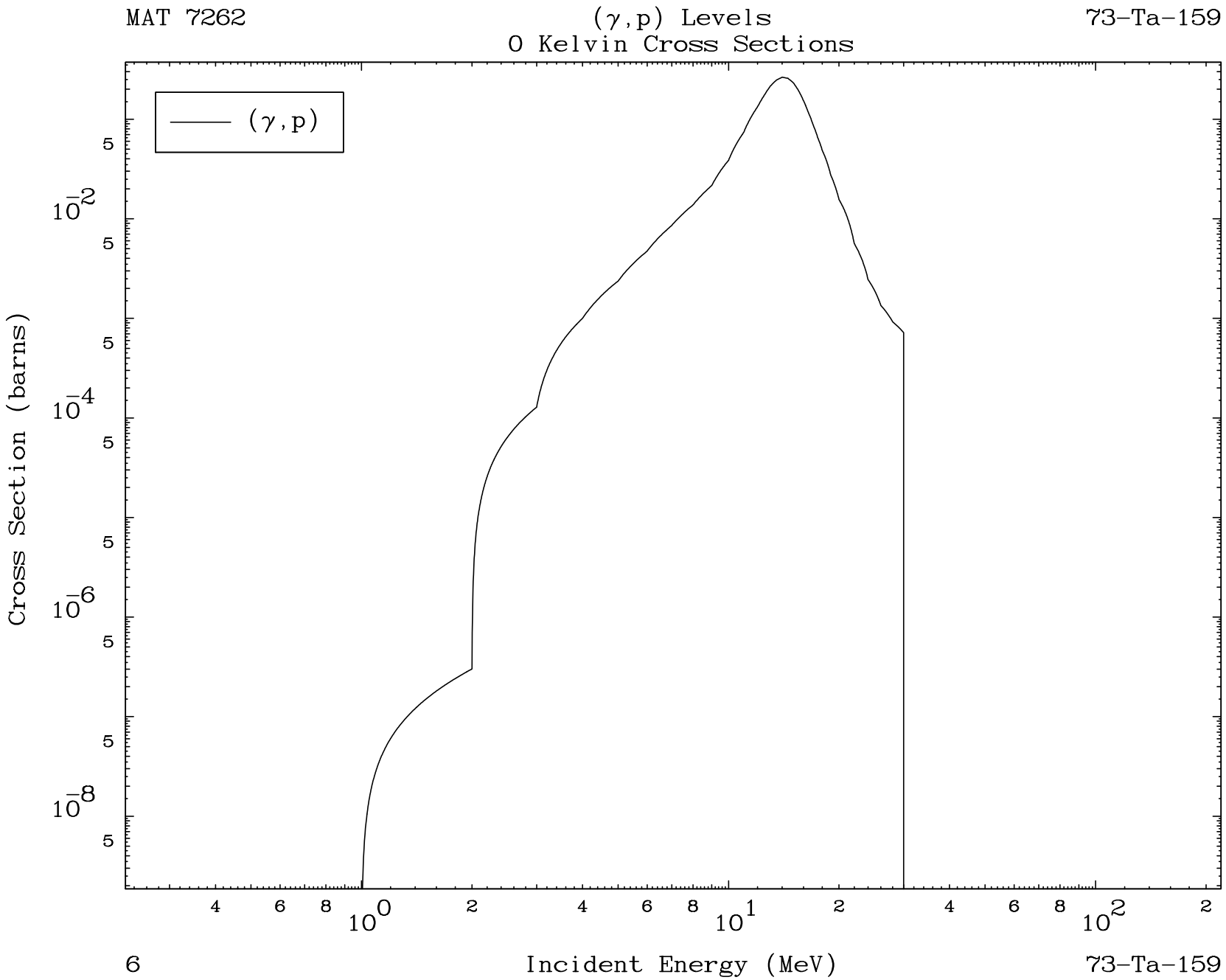

MAT 7262
Photon Major
73-Ta-159
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
73-Ta-159
1

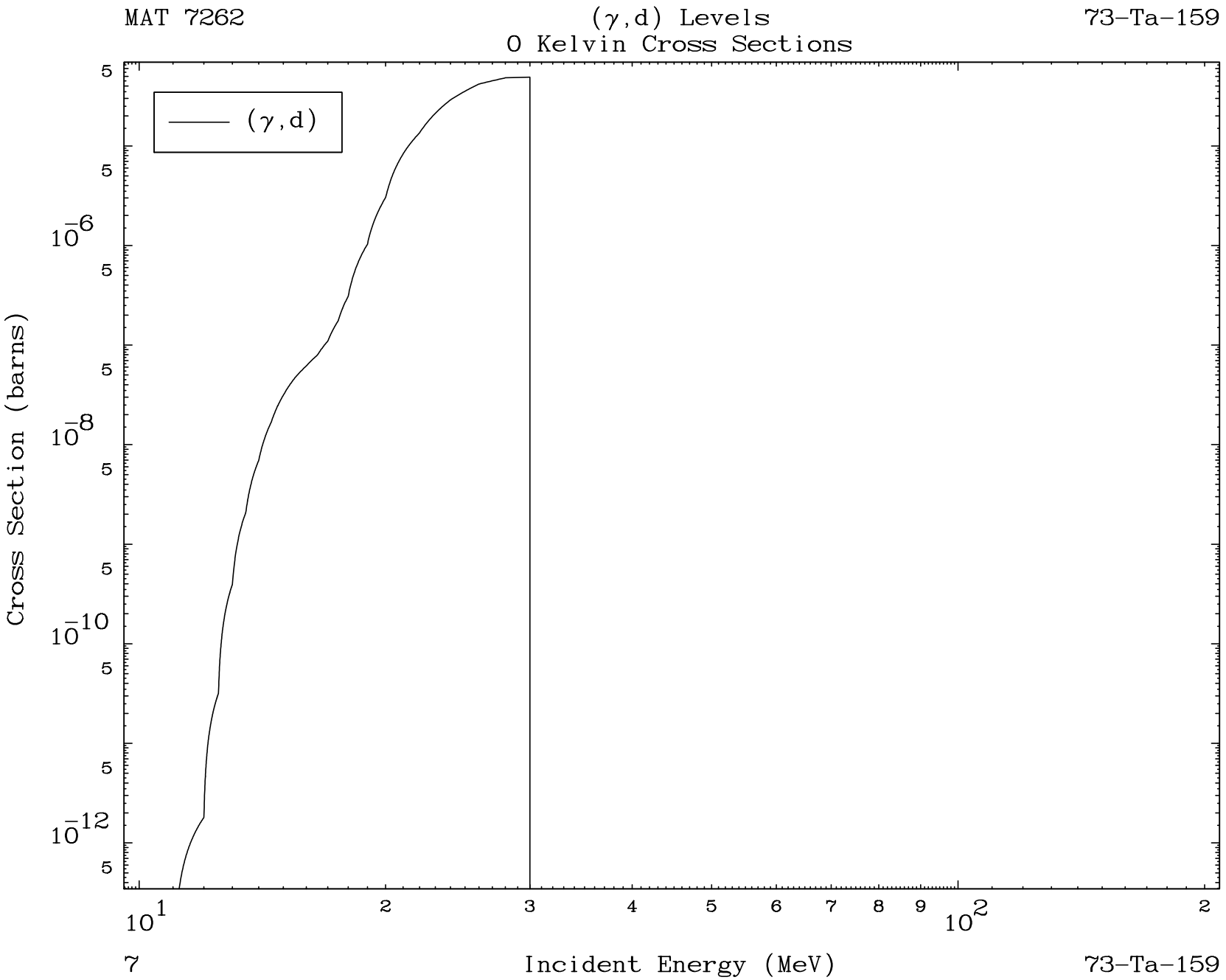

MAT 7262
Photon Neutron Production
0 Kelvin Cross Sections
73-Ta-159
Cross Section (barns)
Incident Energy (MeV)
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p

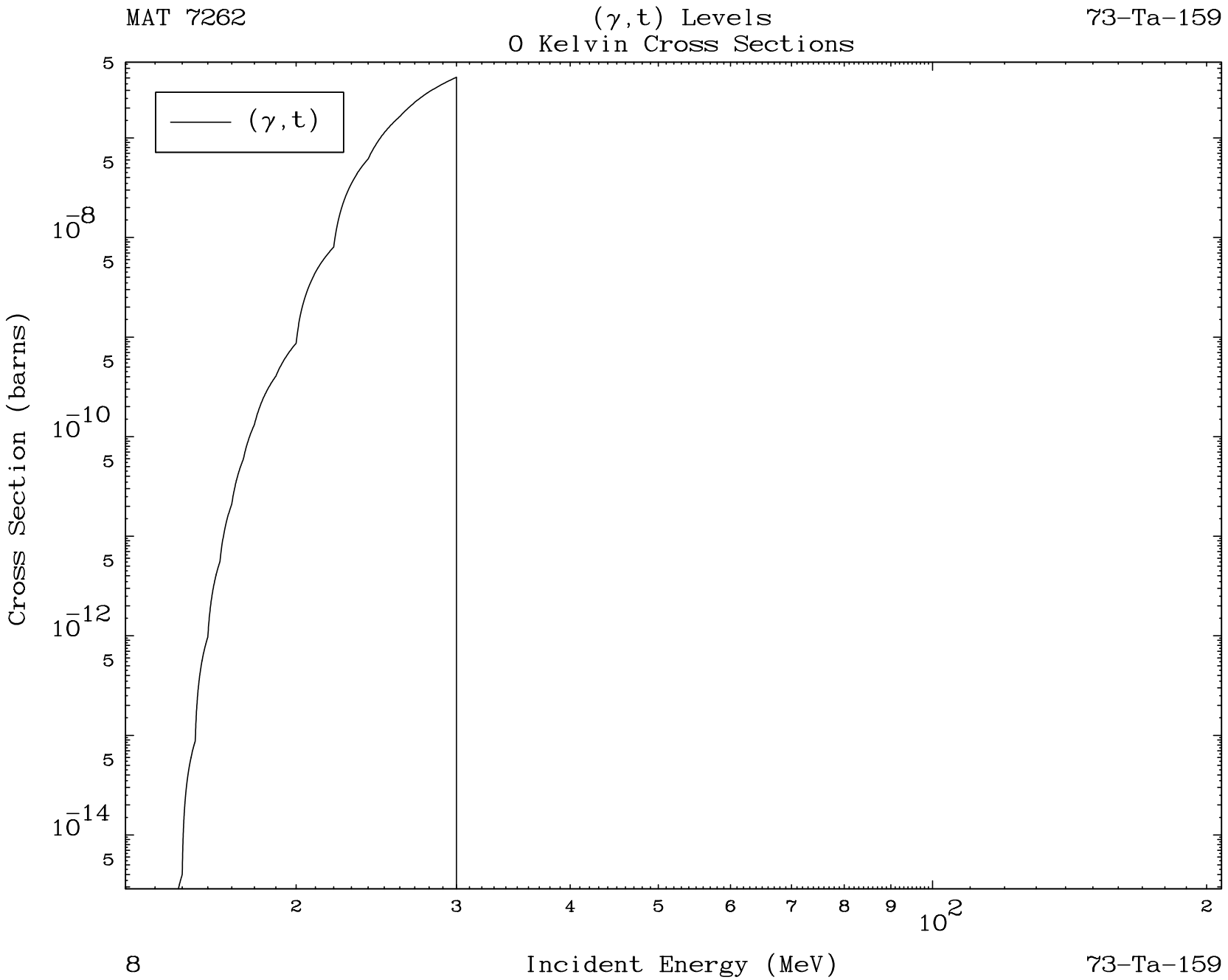

MAT 7262
Photon Charged Particle
0 Kelvin Cross Sections
73-Ta-159
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
73-Ta-159

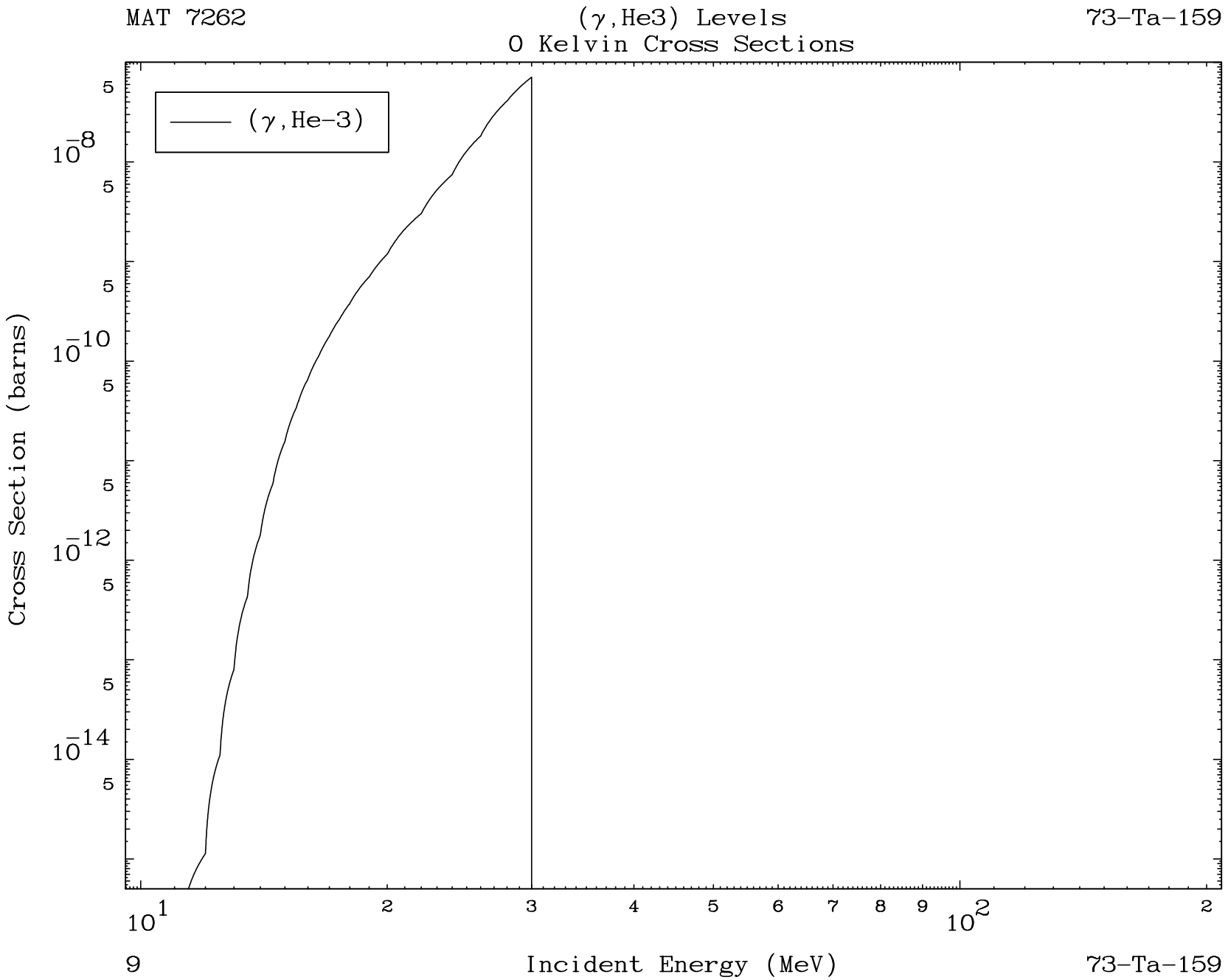

MAT 7262
Photon Charged Particle
0 Kelvin Cross Sections
73-Ta-159
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
73-Ta-159

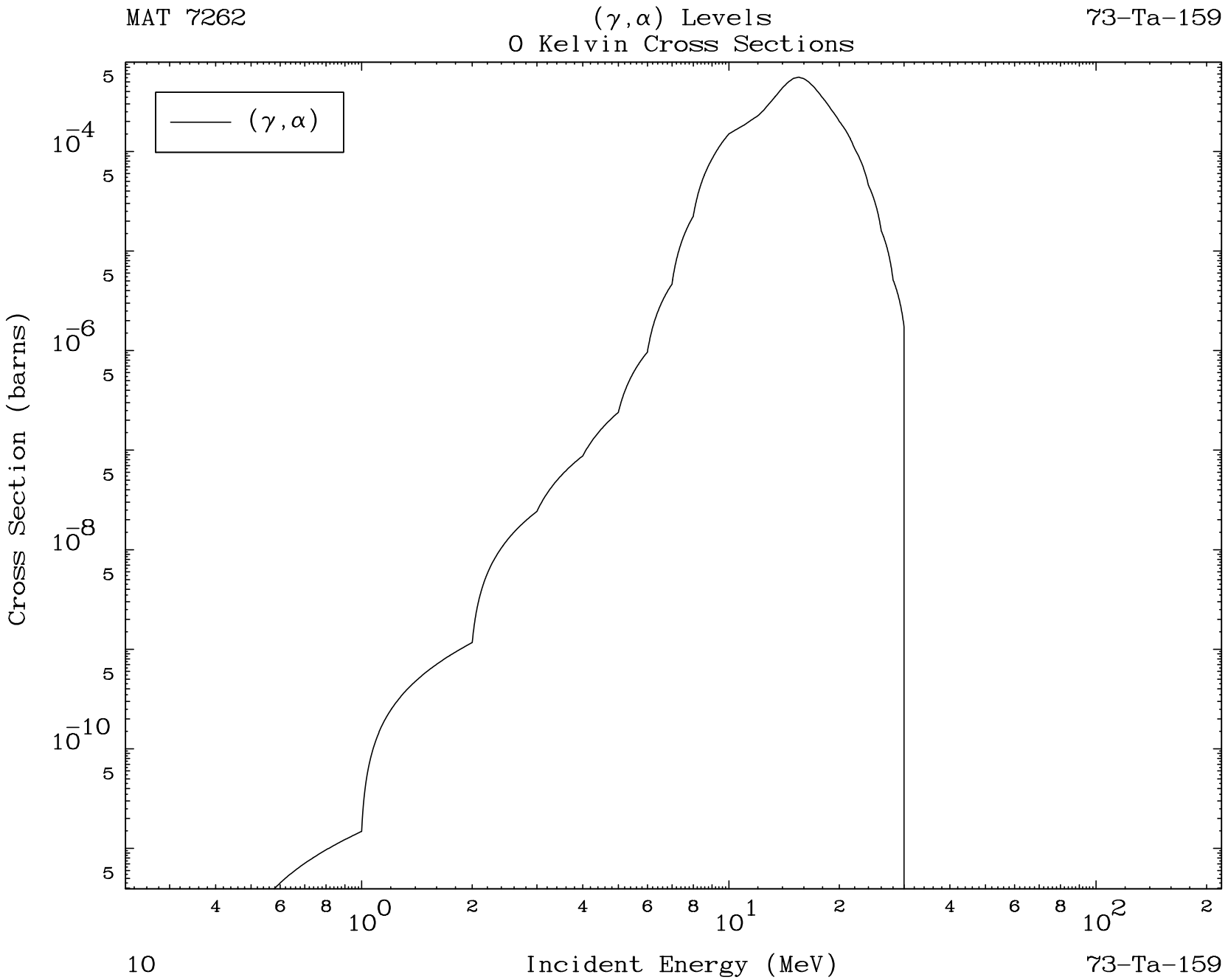

MAT 7262
(γ,n') Level
73-Ta-159
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
73-Ta-159

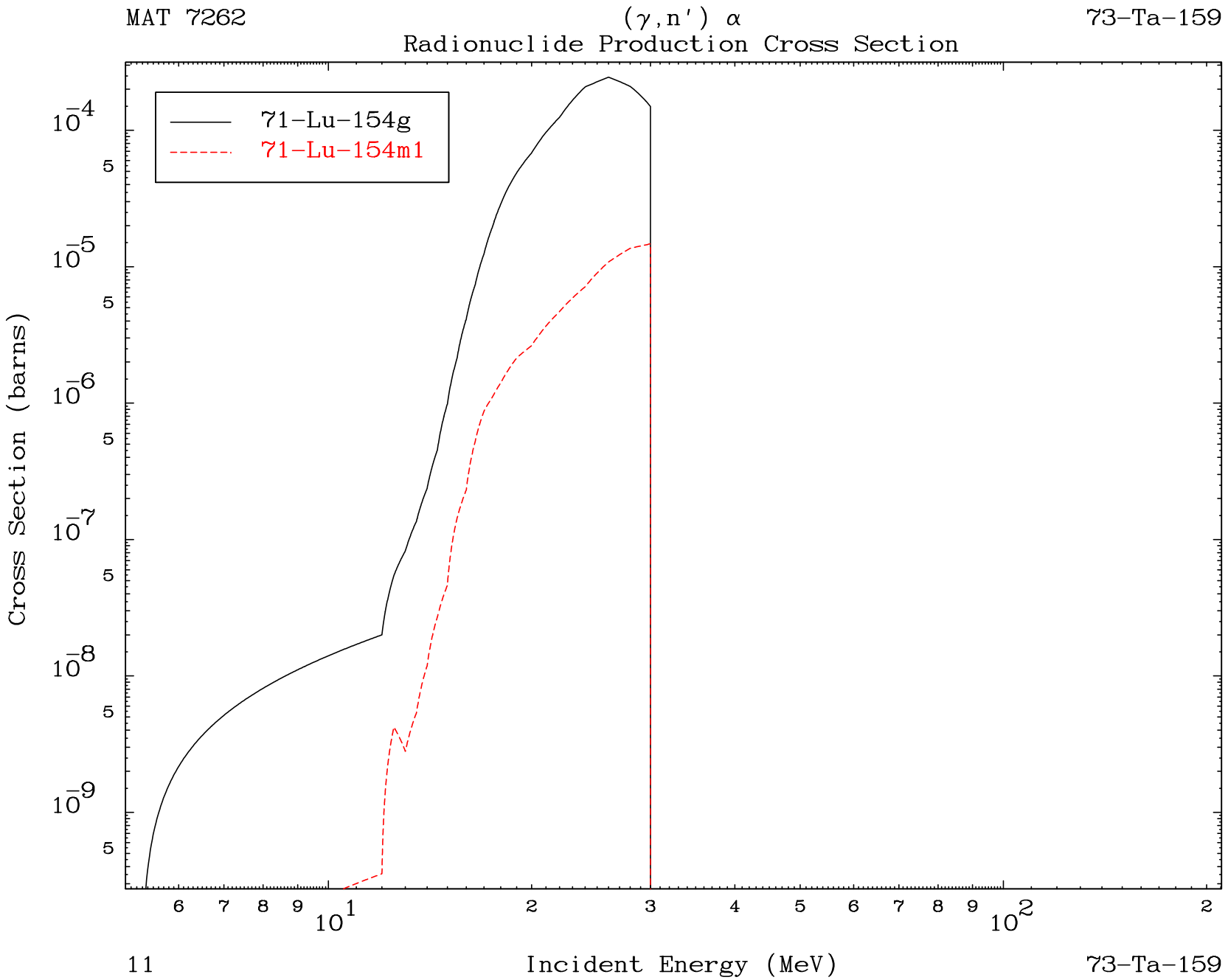

MAT 7262
(γ,p) Levels
0 Kelvin Cross Sections
73-Ta-159
(γ,p)
Cross Section (barns)
Incident Energy (MeV)
6
73-Ta-159

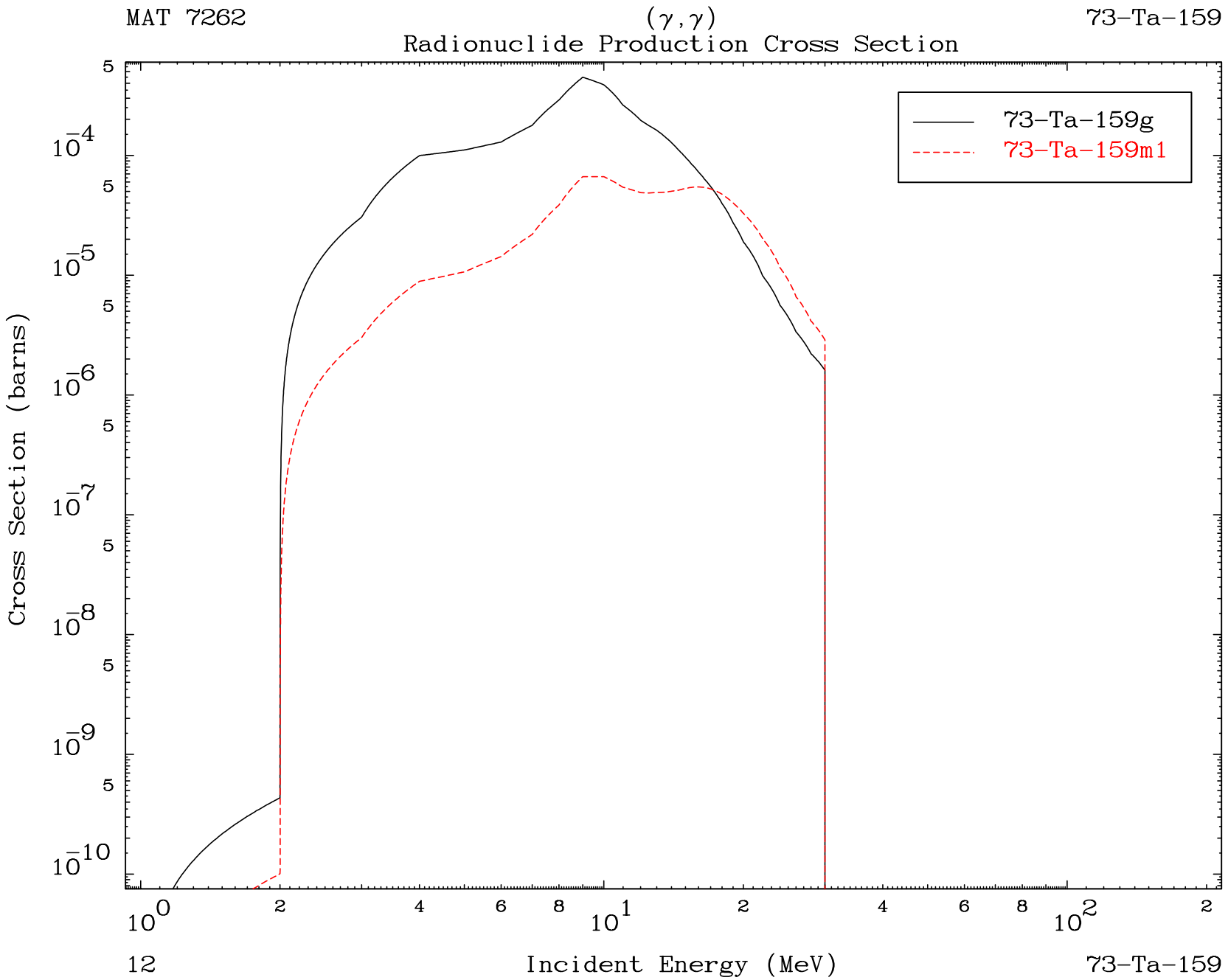

MAT 7262
(γ,d) Levels
73-Ta-159
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
7
73-Ta-159

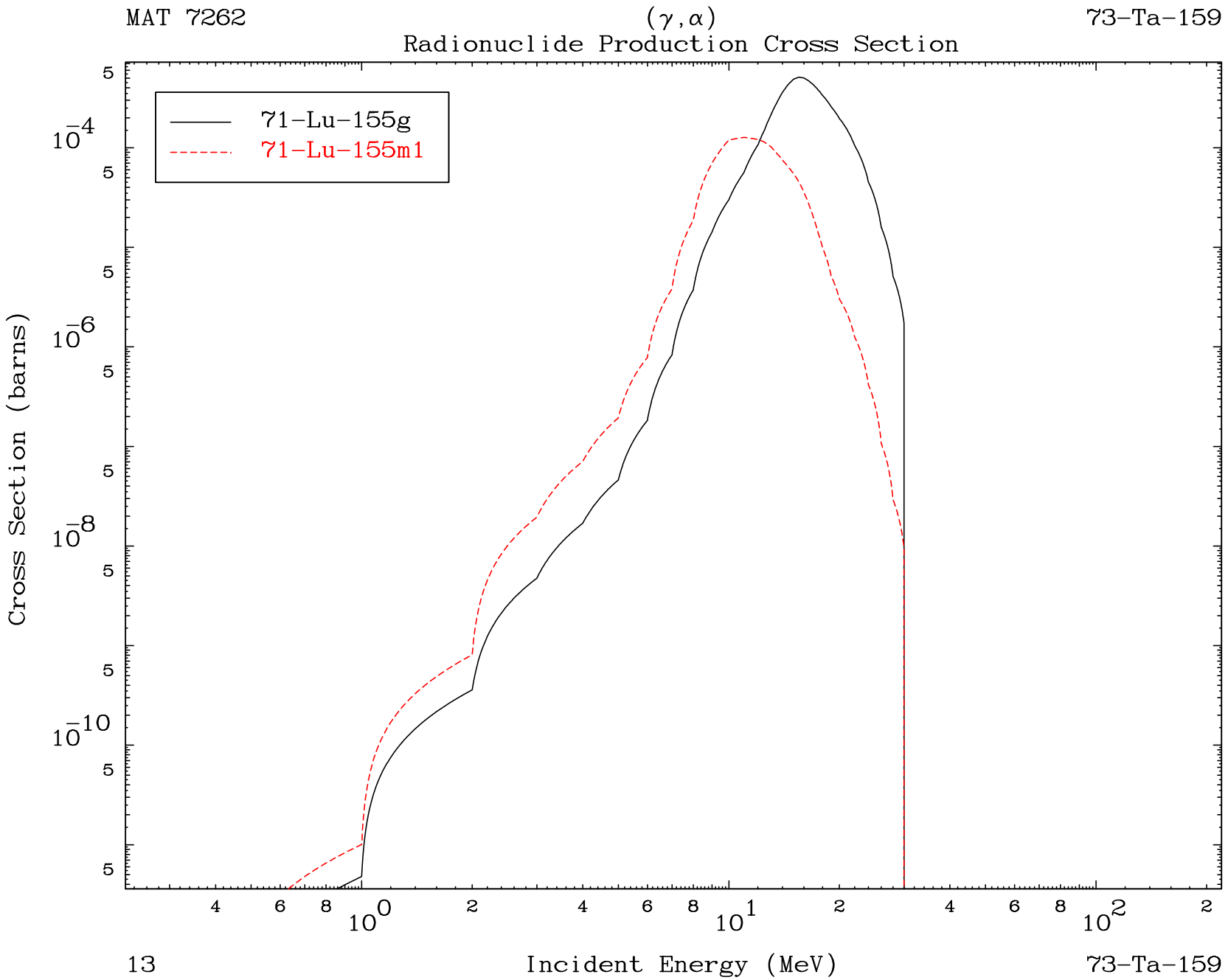

MAT 7262
(γ,t) Levels
73-Ta-159
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
8
73-Ta-159

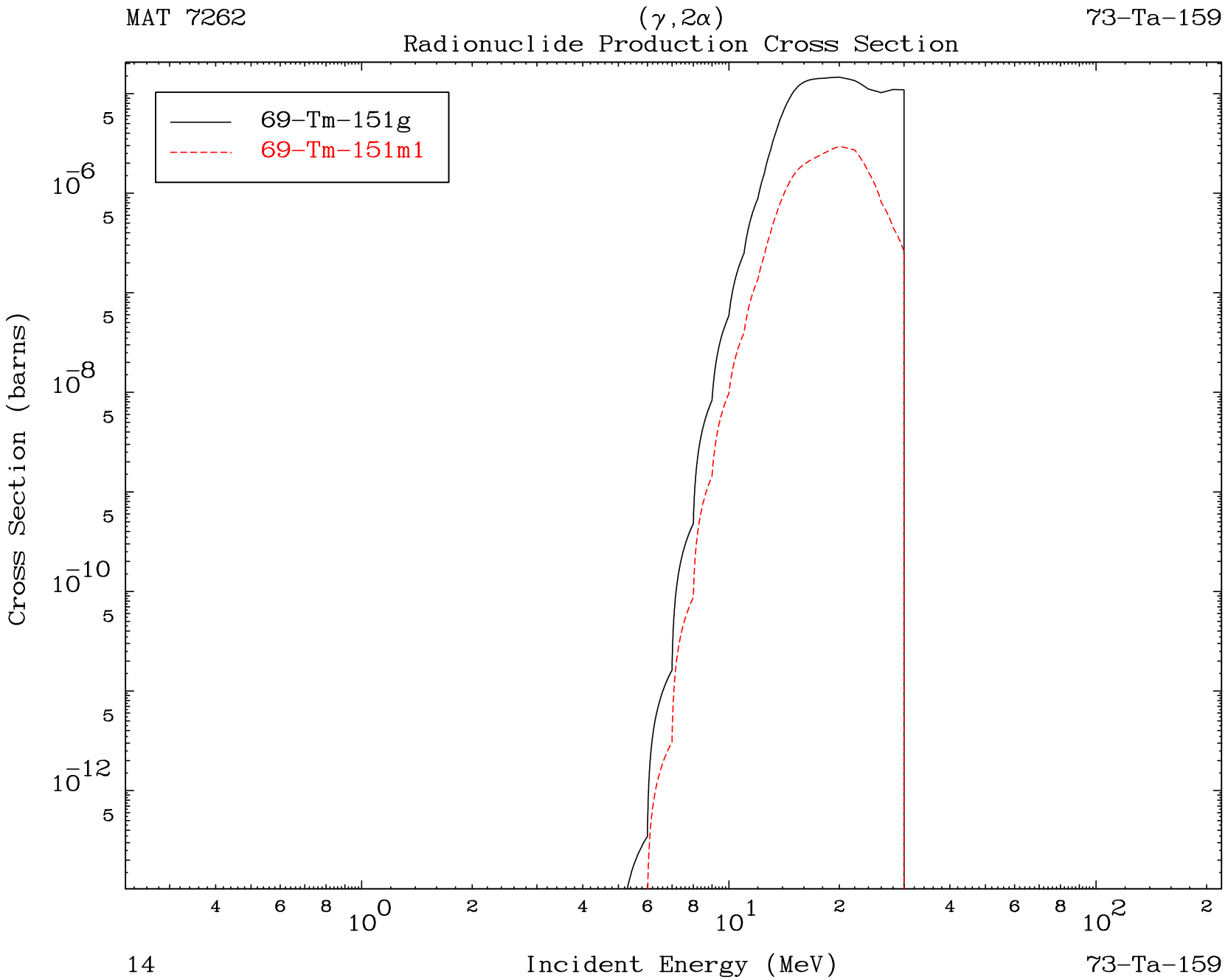

MAT 7262
(γ,He3) Levels
73-Ta-159
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
73-Ta-159

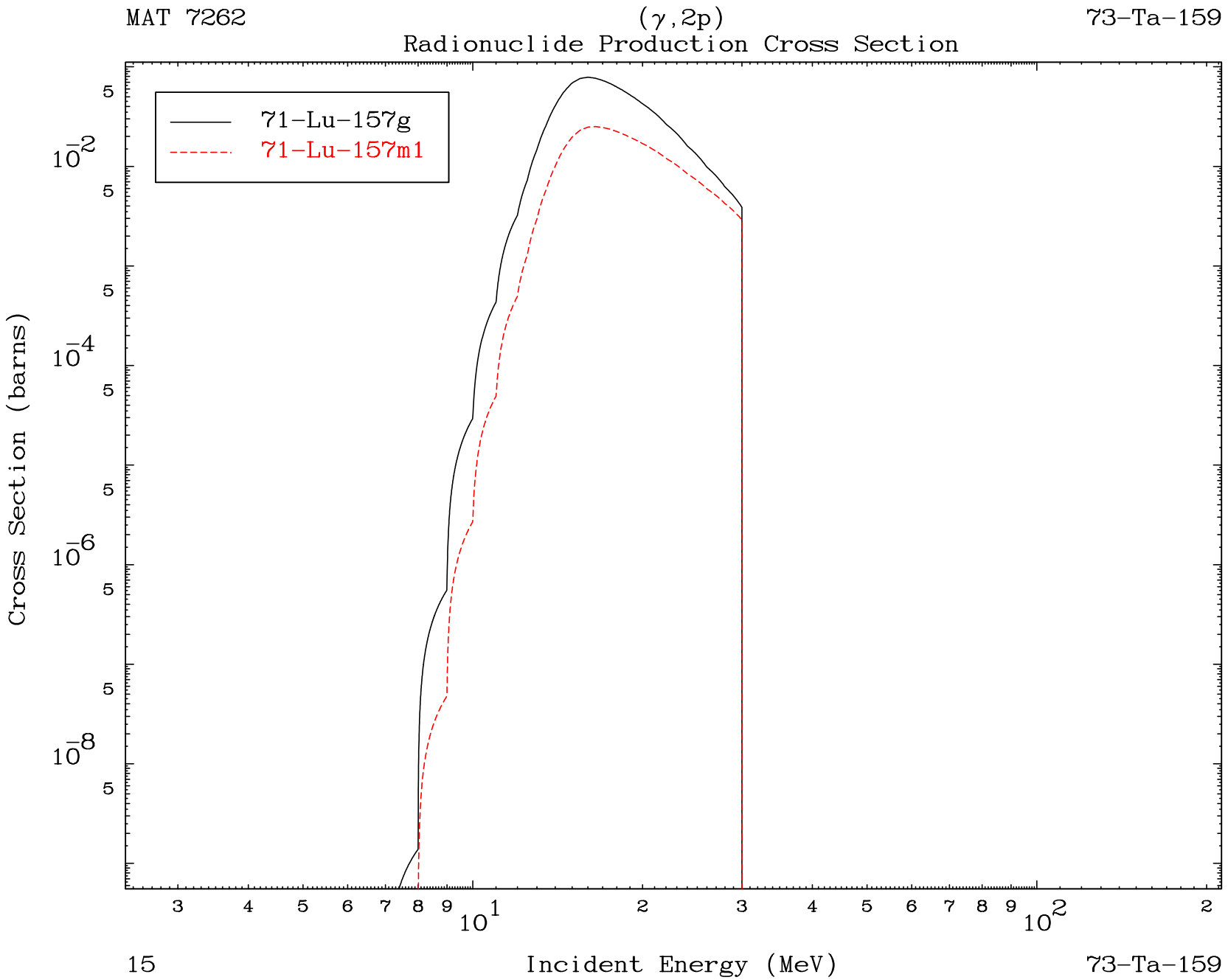

MAT 7262
(γ,α) Levels
73-Ta-159
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
73-Ta-159

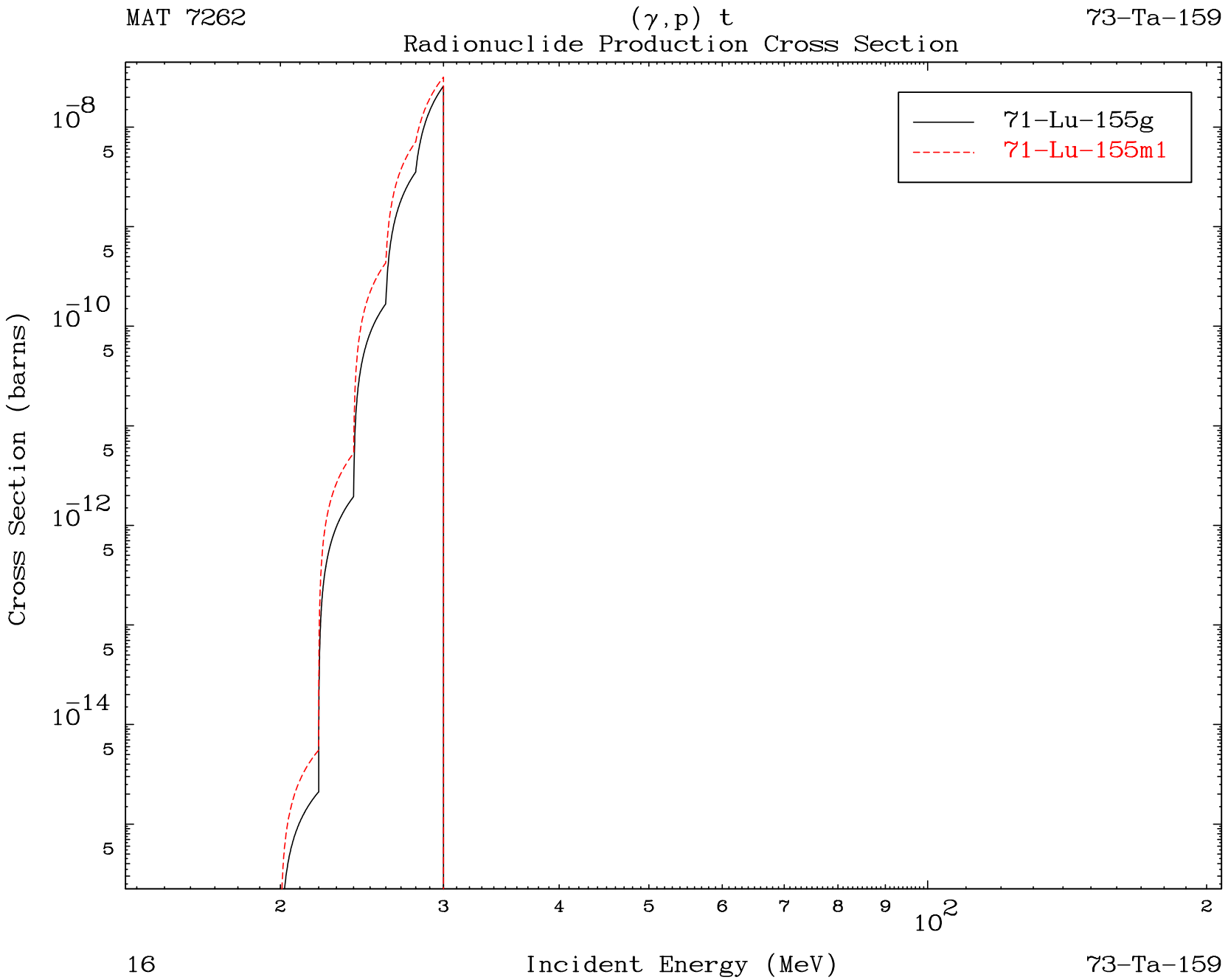

MAT 7262
(γ,n') α
73-Ta-159
Radionuclide Production Cross Section
71-Lu-154g
71-Lu-154m1
Cross Section (barns)
10-4
10-5
10-6
10-7
10-8
10-9
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
11
Incident Energy (MeV)
73-Ta-159


MAT 7262
(γ,γ)
73-Ta-159
Radionuclide Production Cross Section
73-Ta-159g
73-Ta-159m1
Cross Section (barns)
Incident Energy (MeV)
12
73-Ta-159


MAT 7262
(γ,α)
73-Ta-159
Radionuclide Production Cross Section
71-Lu-155g
71-Lu-155m1
Cross Section (barns)
Incident Energy (MeV)
13
73-Ta-159


MAT 7262
(γ,2α)
73-Ta-159
Radionuclide Production Cross Section
69-Tm-151g
69-Tm-151m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
14
73-Ta-159


MAT 7262
(γ,2p)
73-Ta-159
Radionuclide Production Cross Section
71-Lu-157g
71-Lu-157m1
Cross Section (barns)
Incident Energy (MeV)
15
73-Ta-159


MAT 7262
(γ,p) t
73-Ta-159
Radionuclide Production Cross Section
71-Lu-155g
71-Lu-155m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
73-Ta-159