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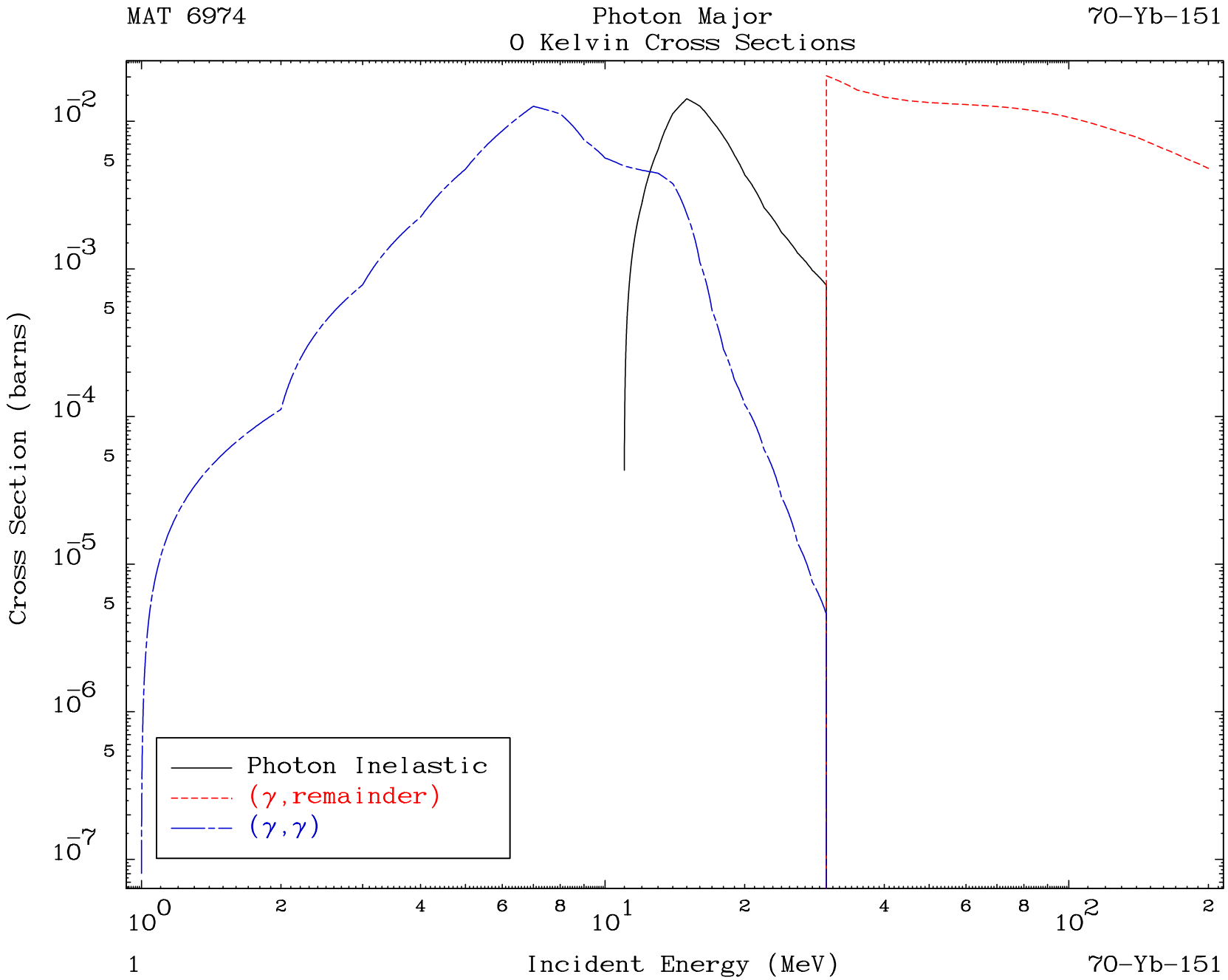
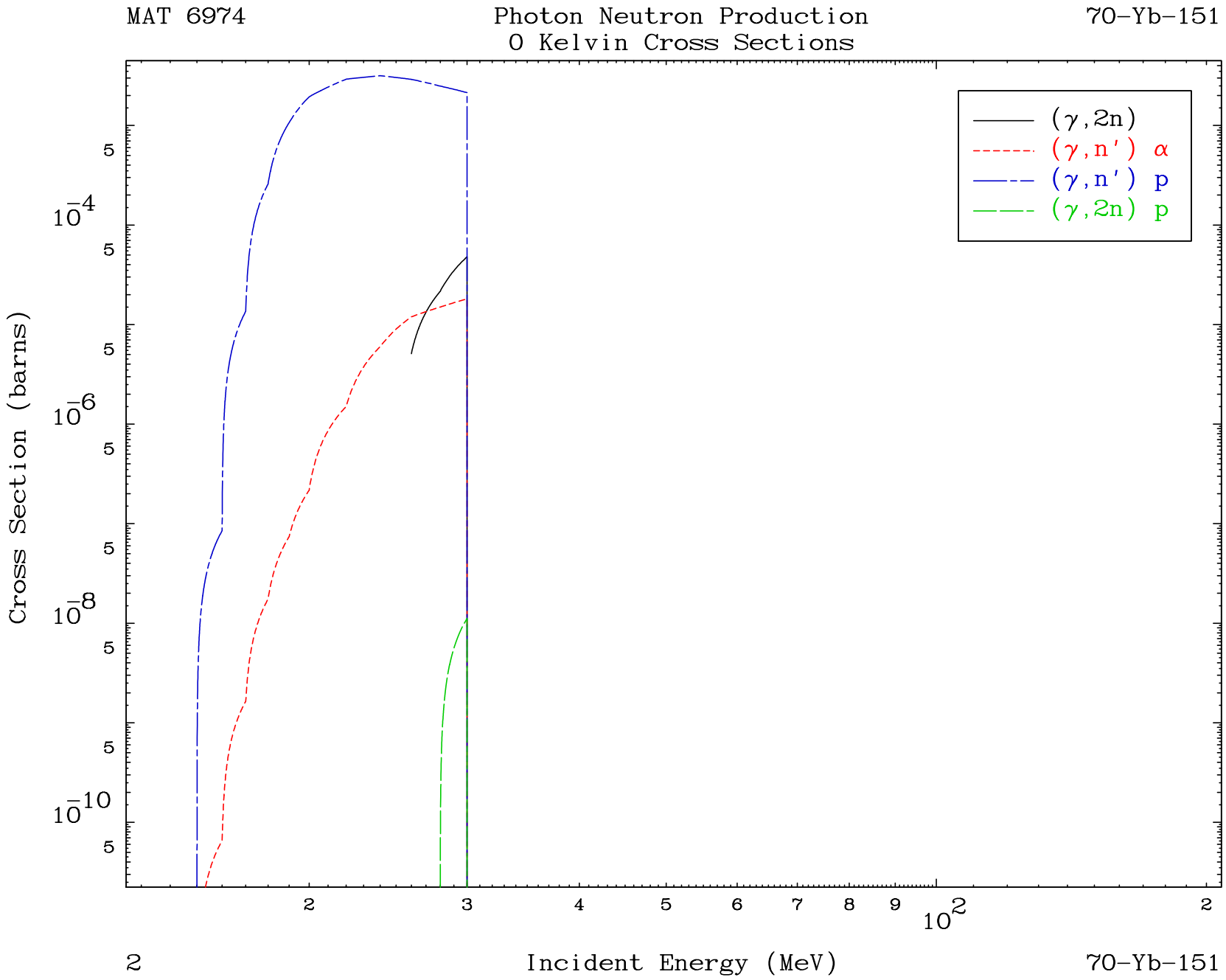
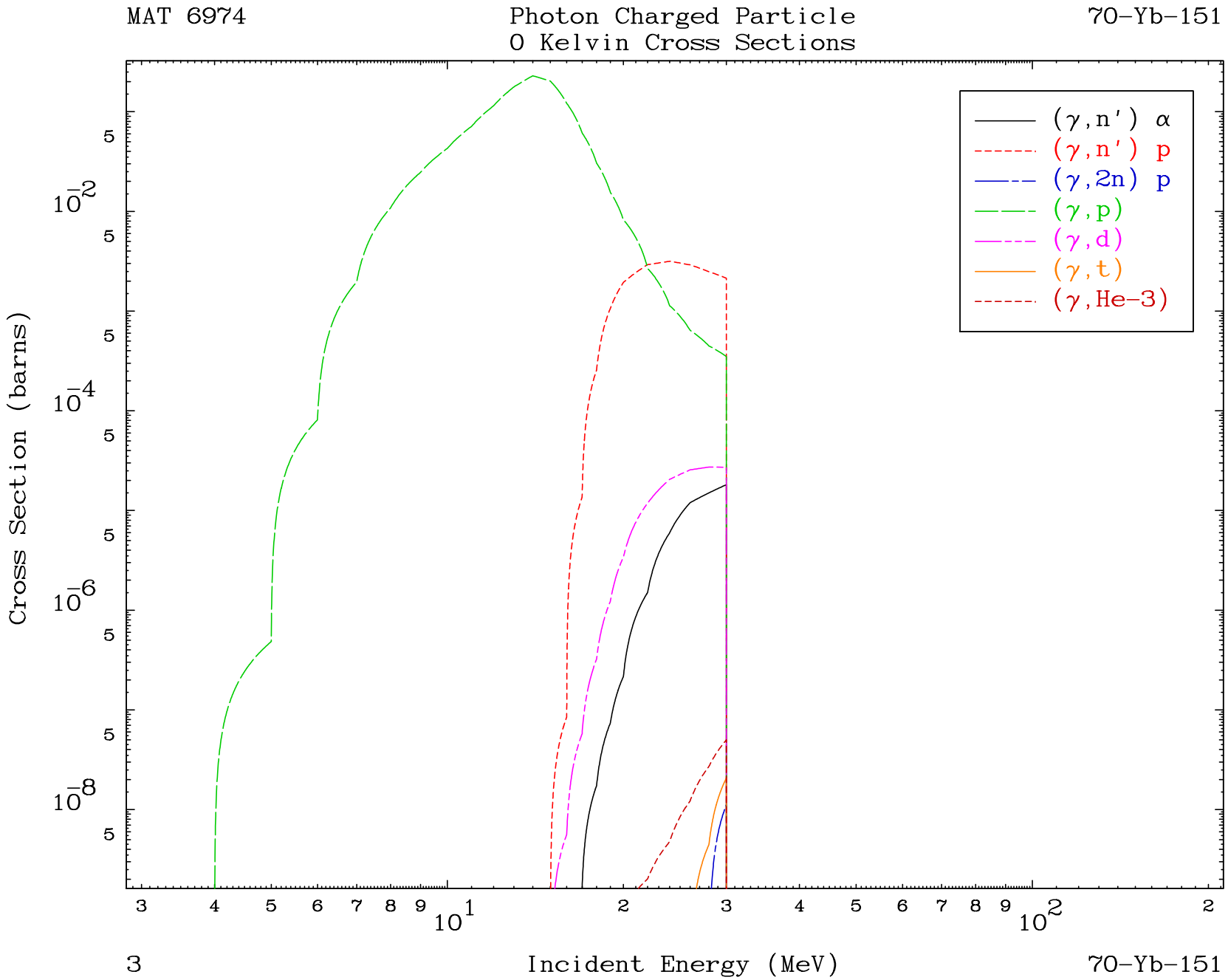
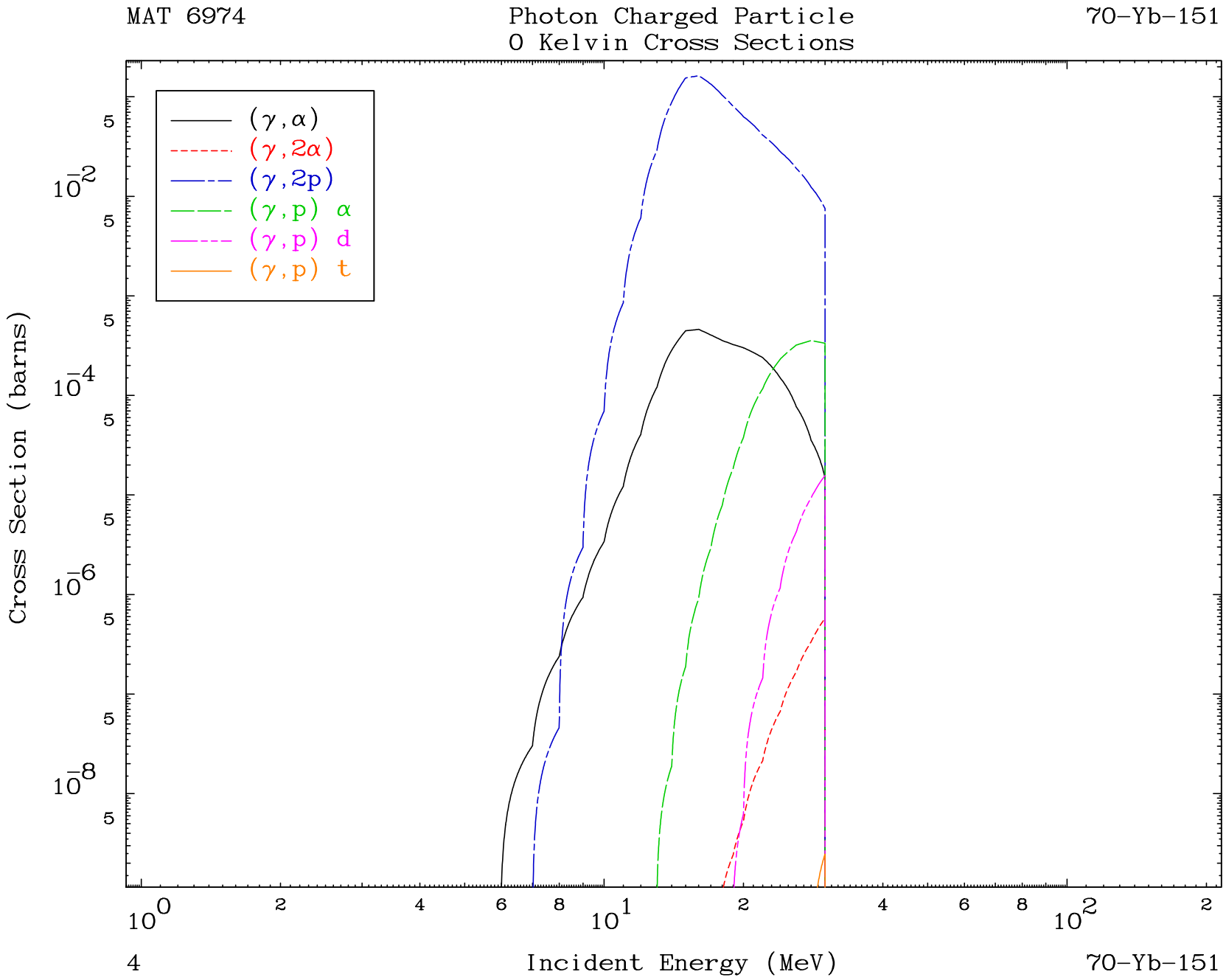
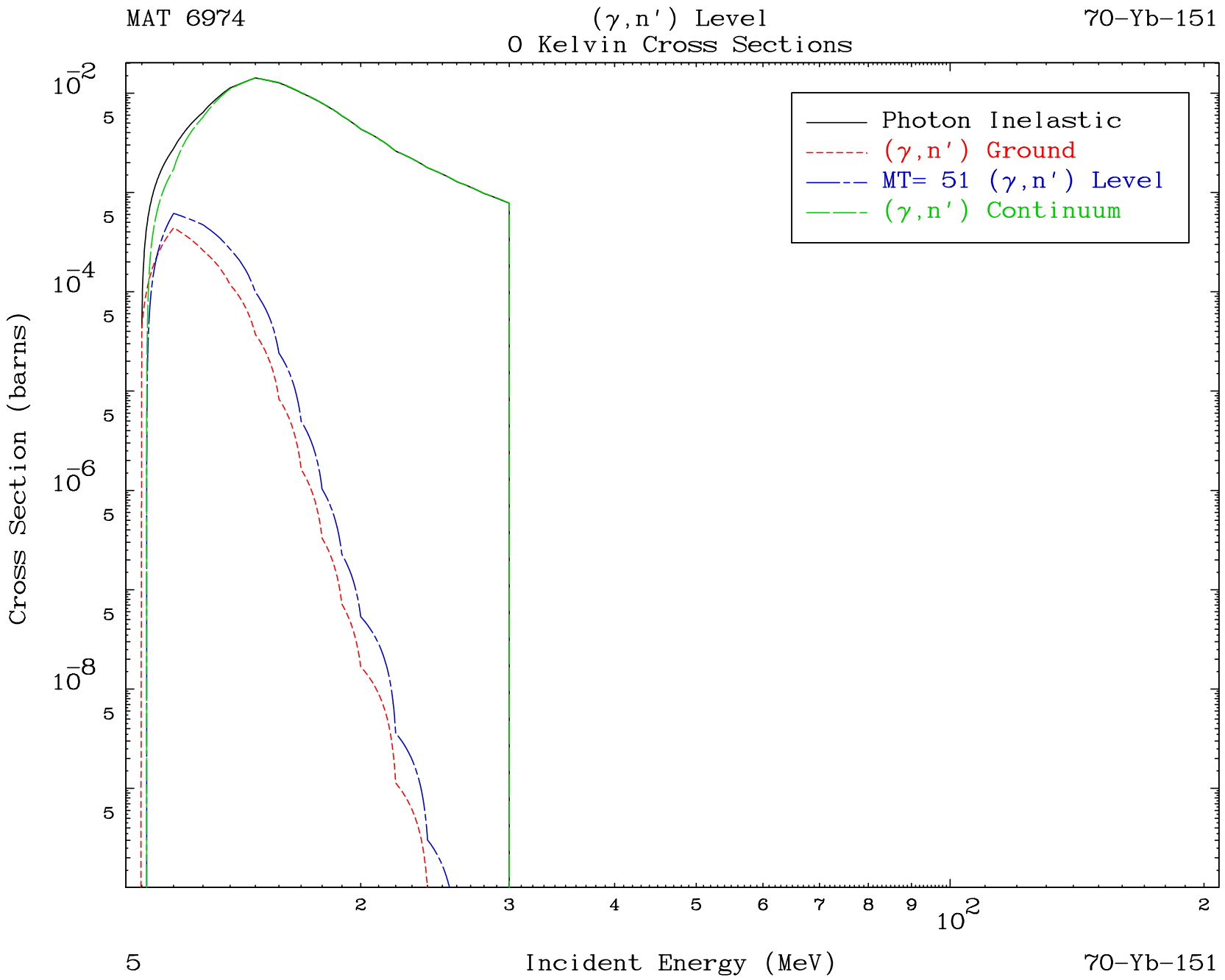
Press Mouse Button to Start

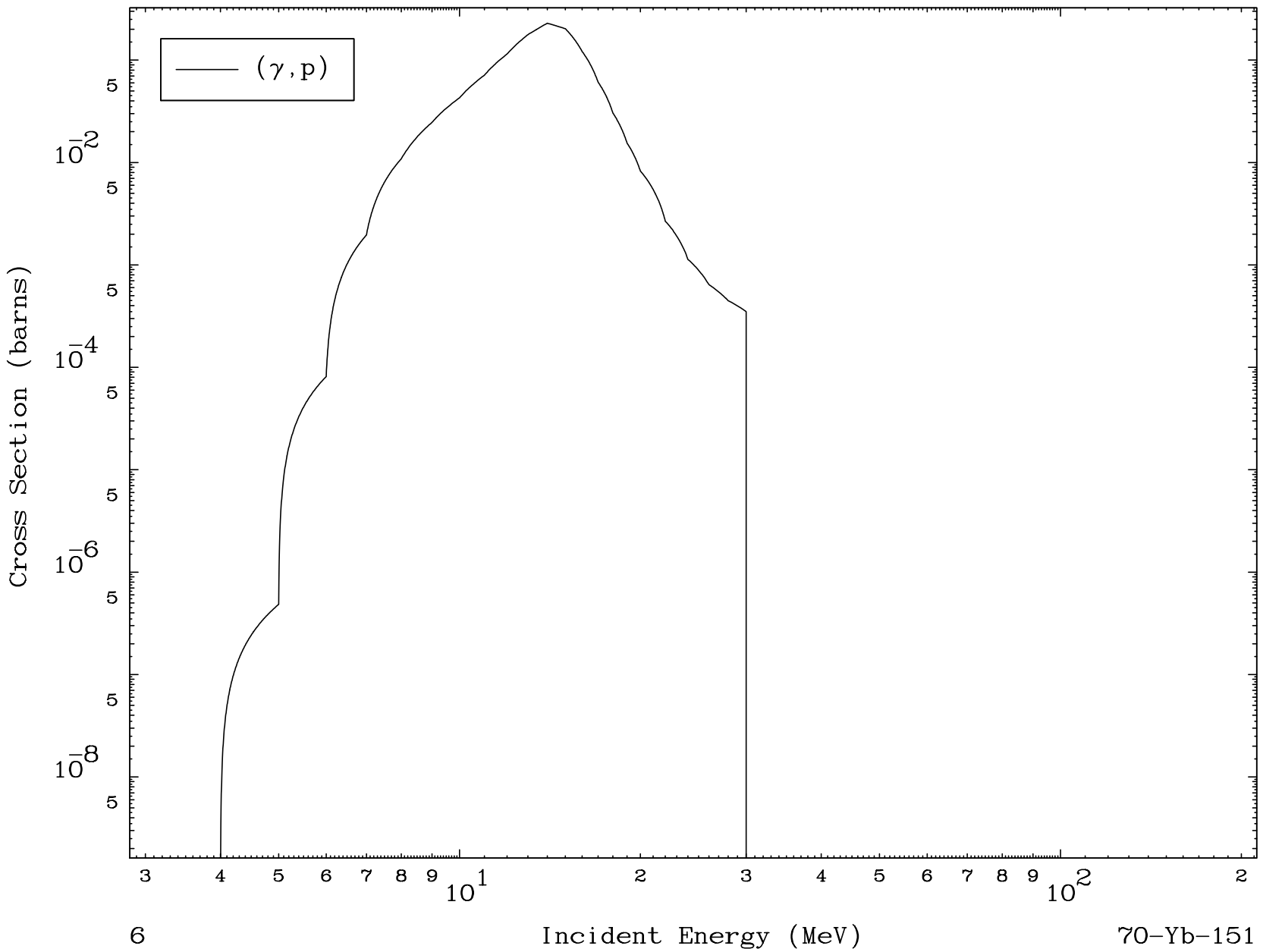

MAT 6974
Photon Major
70-Yb-151
0 Kelvin Cross Sections
Cross Section (barns)
Photon Inelastic
(γ,remainder)
(γ,γ)
Incident Energy (MeV)
70-Yb-151

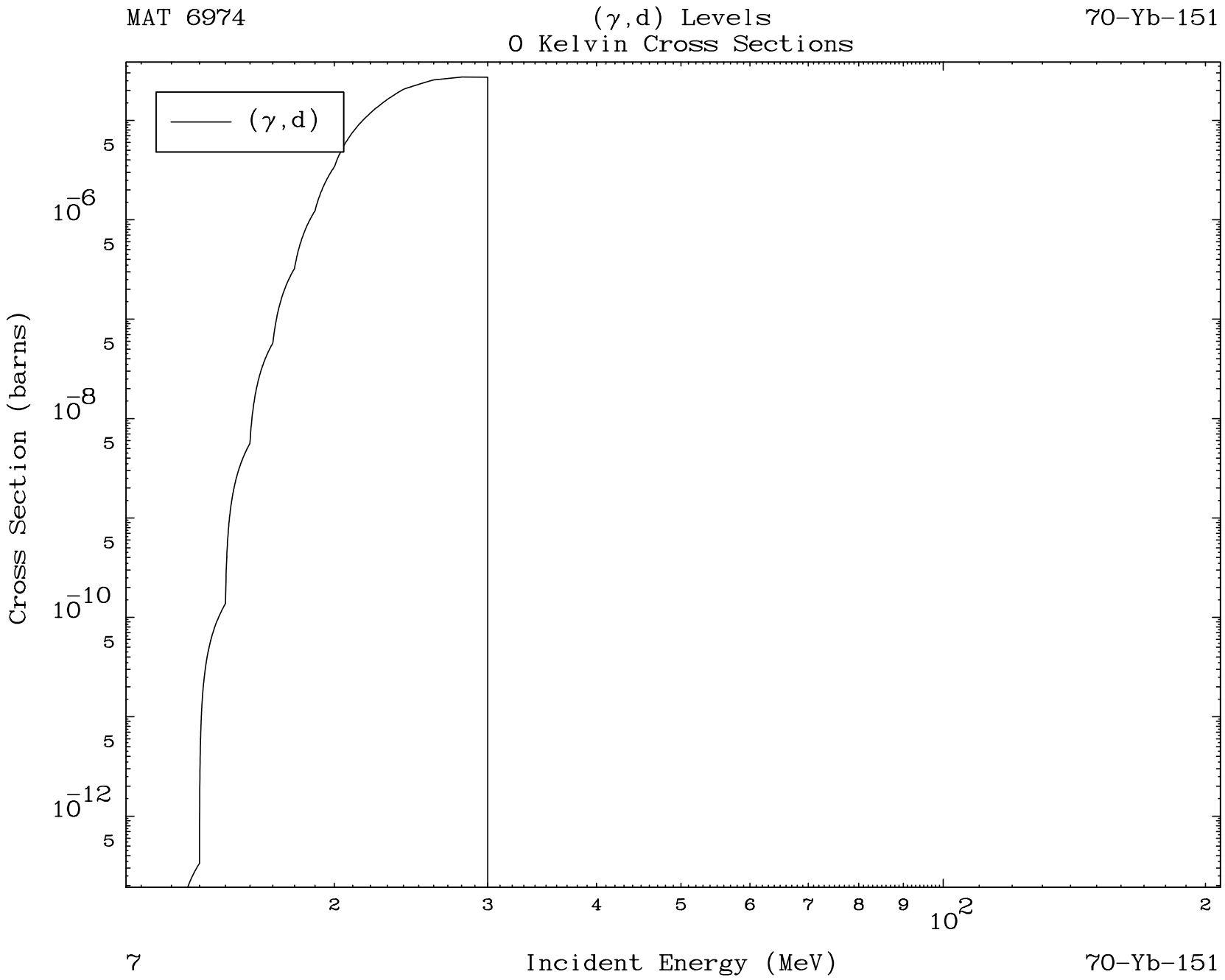

MAT 6974
Photon Neutron Production
0 Kelvin Cross Sections
70-Yb-151
(γ,2n)
(γ,n') α
(γ,n') p
(γ,2n) p
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
70-Yb-151

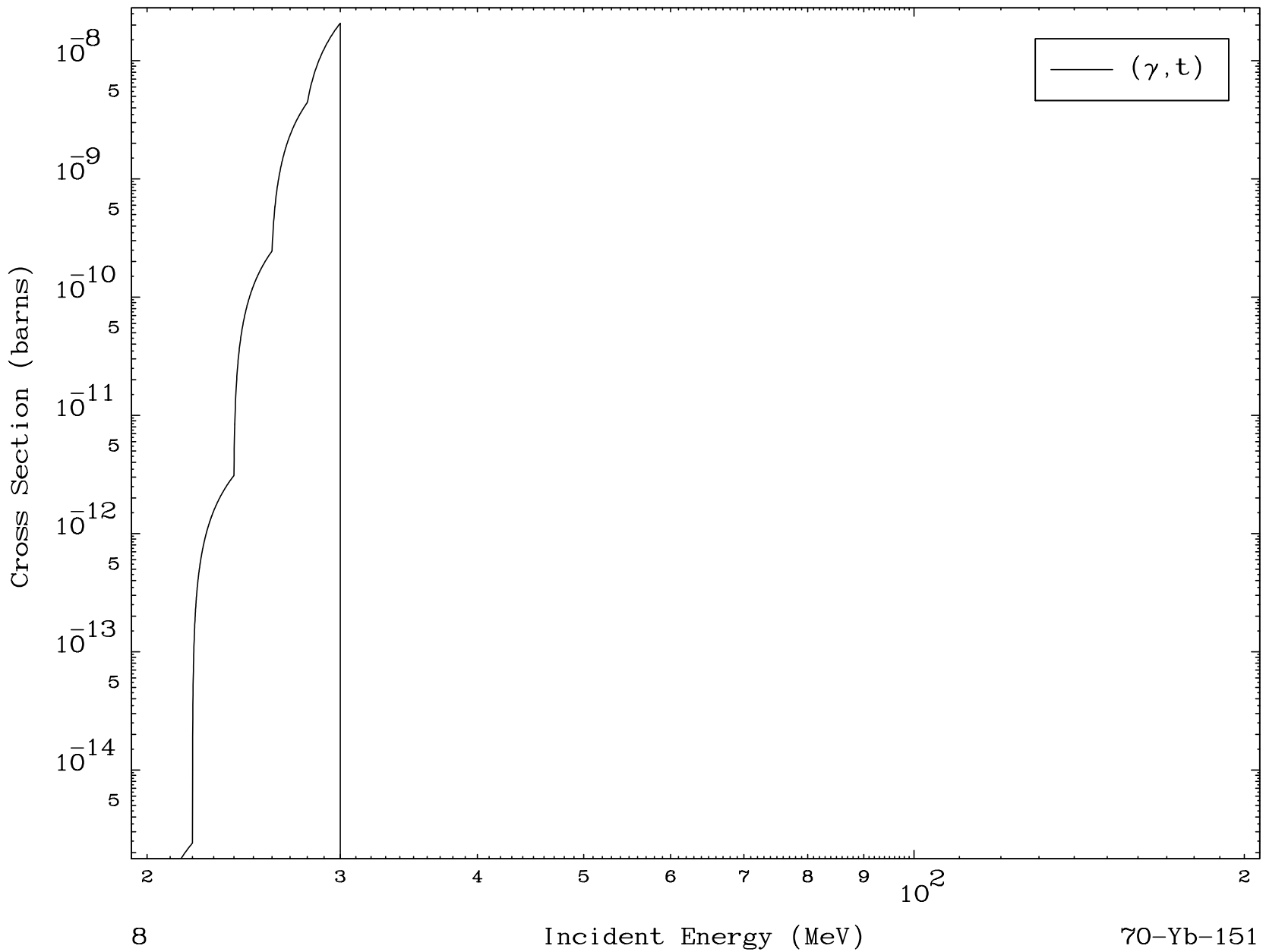

MAT 6974
Photon Charged Particle
0 Kelvin Cross Sections
70-Yb-151
(γ,n') α
(γ,n') p
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
3
4
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
3
Incident Energy (MeV)
70-Yb-151

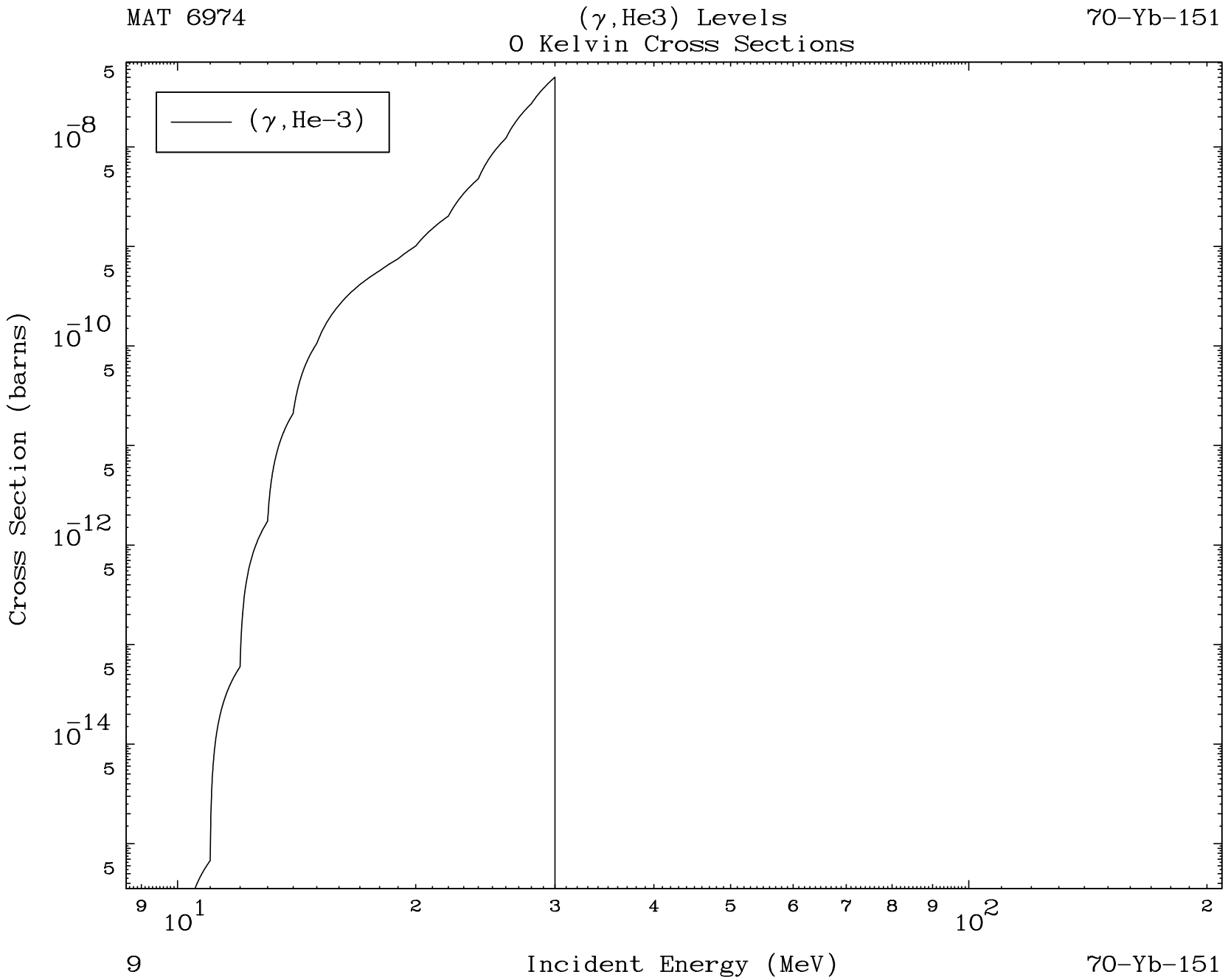

MAT 6974
Photon Charged Particle
0 Kelvin Cross Sections
70-Yb-151
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
70-Yb-151
4

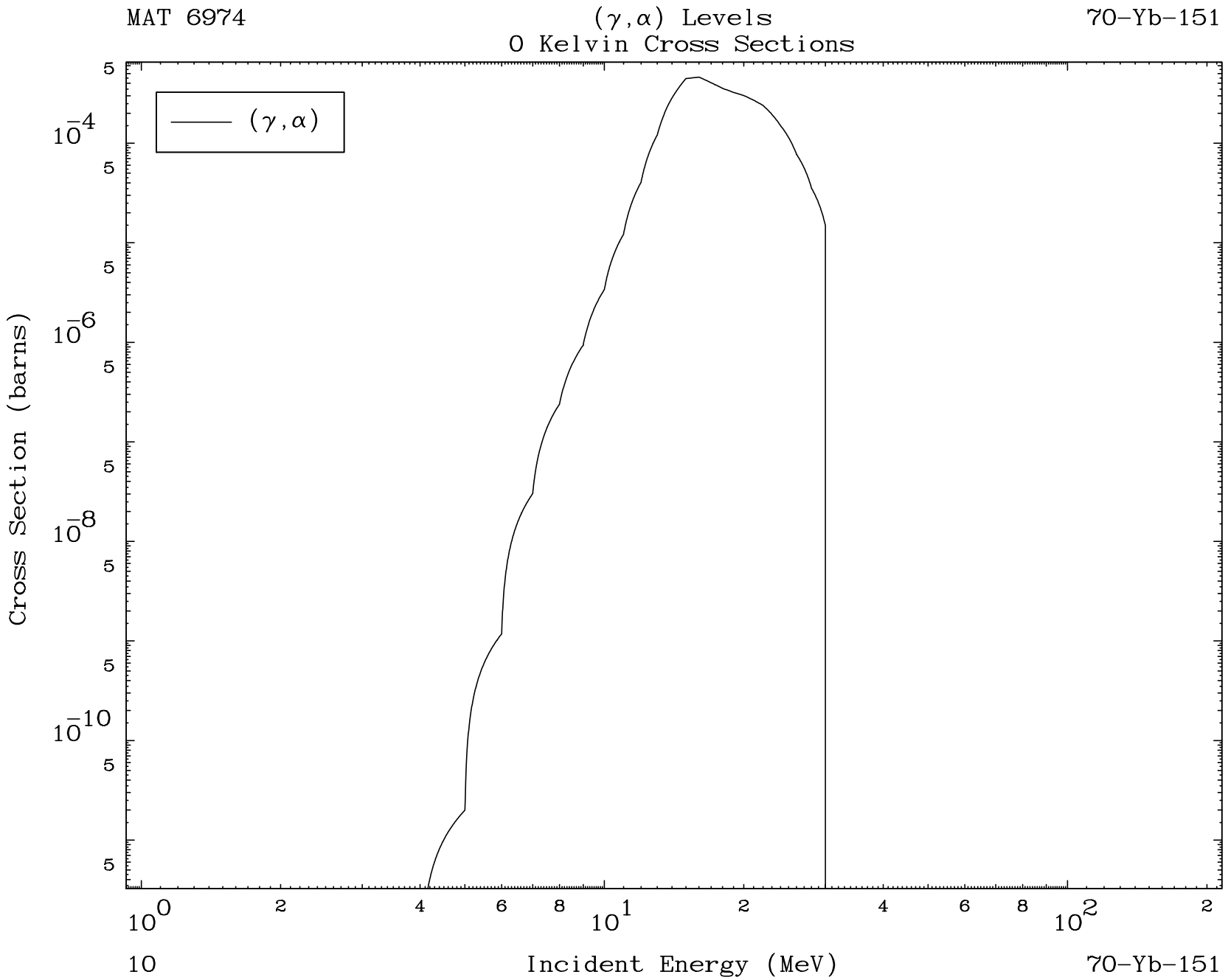

MAT 6974
(γ,n') Level
70-Yb-151
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
5
70-Yb-151

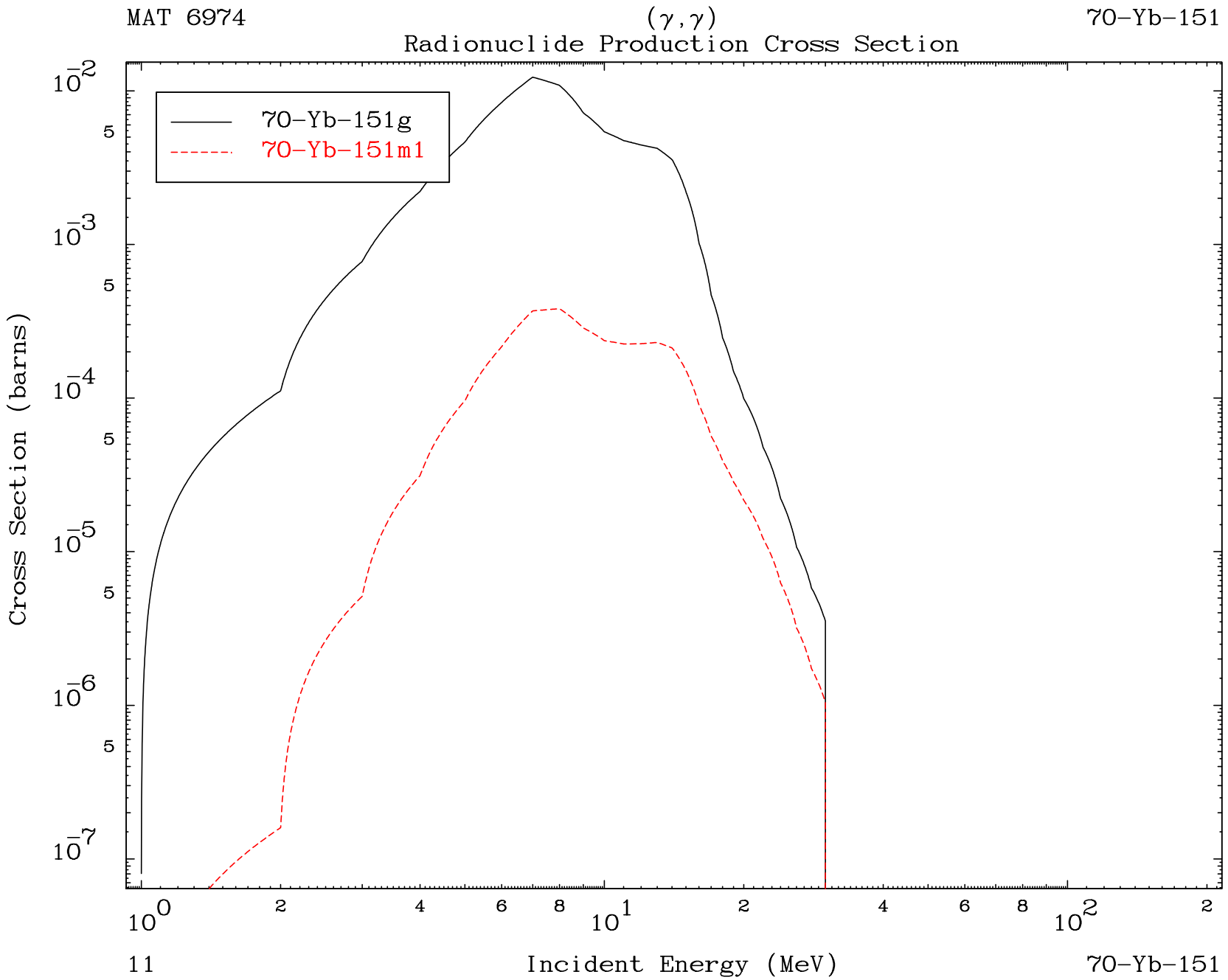

0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

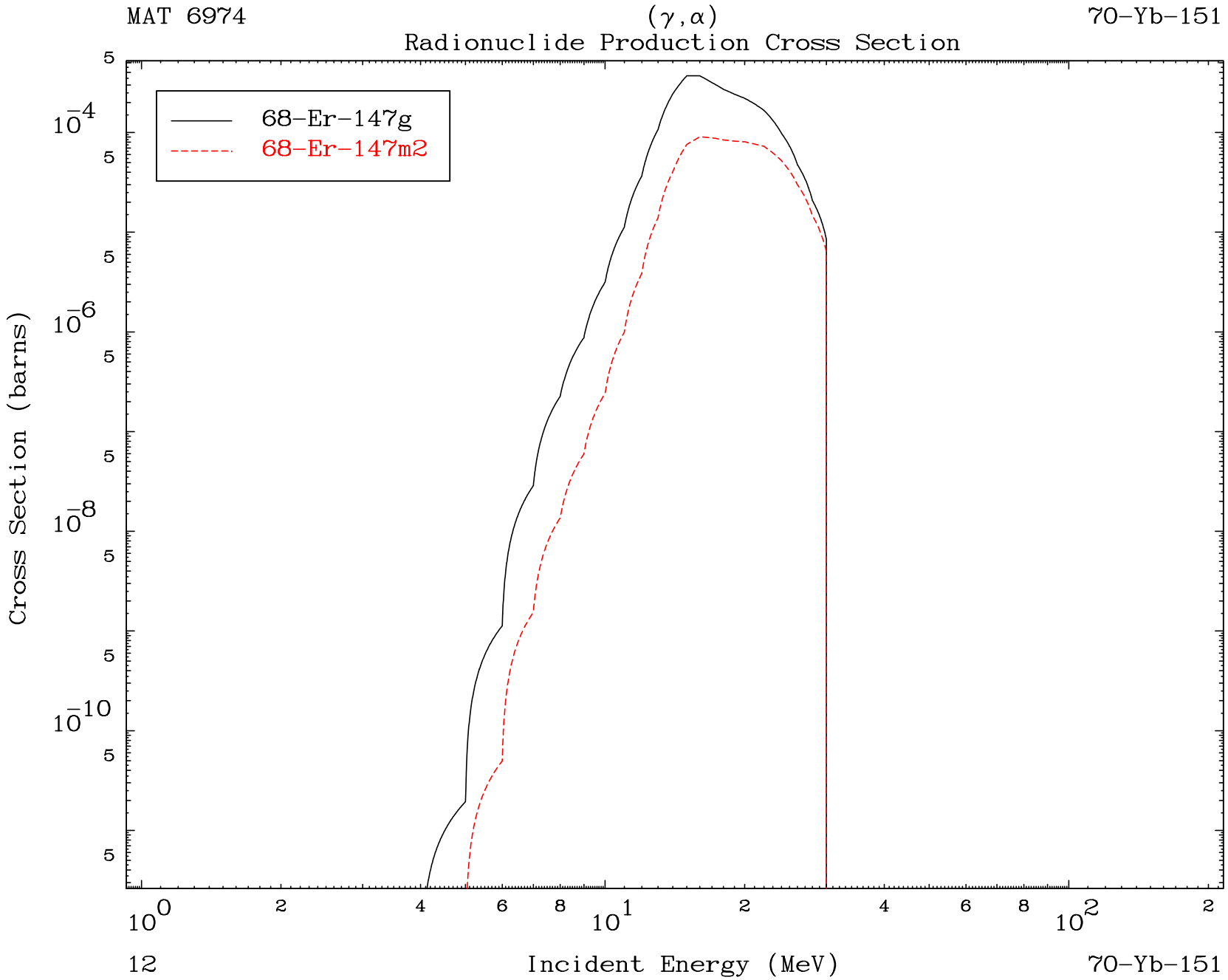

MAT 6974
(γ,d) Levels
70-Yb-151
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
70-Yb-151

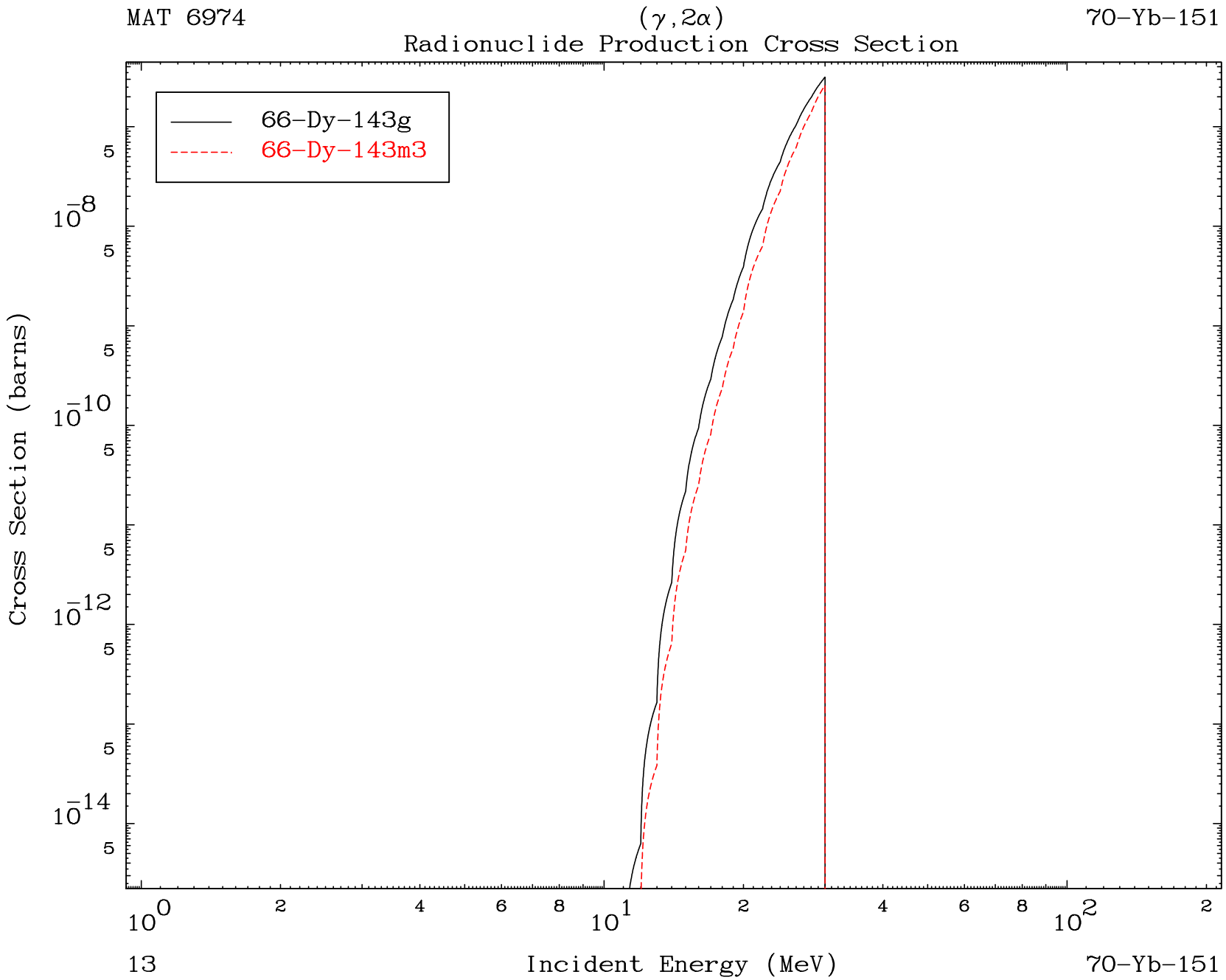

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
5
10^-9
5
10^-10
5
10^-11
5
10^-12
5
10^-13
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

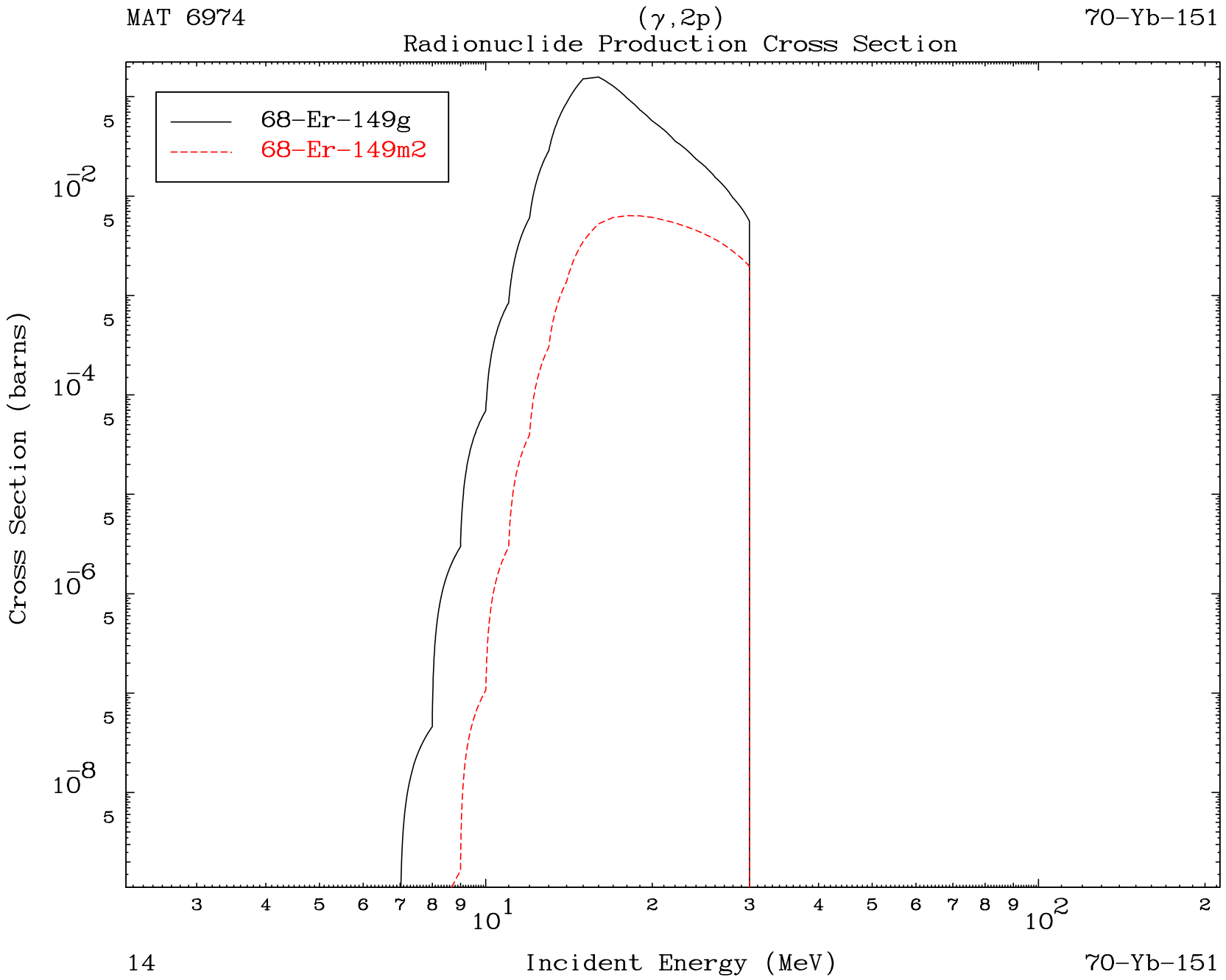

MAT 6974
(γ,He3) Levels
70-Yb-151
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
Incident Energy (MeV)
9
70-Yb-151

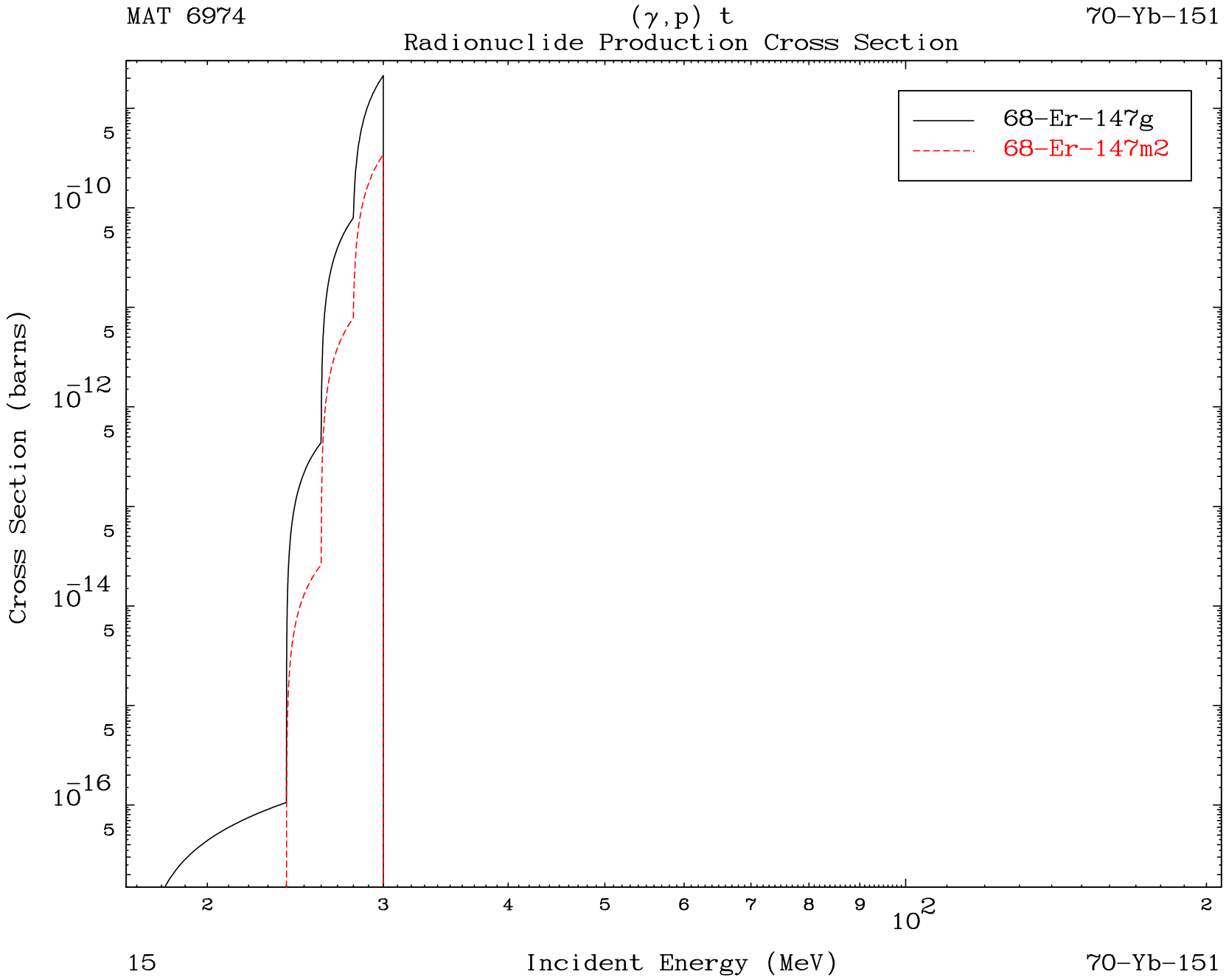

MAT 6974
(γ,α) Levels
70-Yb-151
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-151


MAT 6974
(γ,γ)
70-Yb-151
Radionuclide Production Cross Section
70-Yb-151g
70-Yb-151m1
Cross Section (barns)
Incident Energy (MeV)
11
70-Yb-151


MAT 6974
(γ,α)
70-Yb-151
Radionuclide Production Cross Section
68-Er-147g
68-Er-147m2
Cross Section (barns)
Incident Energy (MeV)
12
70-Yb-151


MAT 6974
(γ,2α)
70-Yb-151
Radionuclide Production Cross Section
66-Dy-143g
66-Dy-143m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
13
Incident Energy (MeV)
70-Yb-151


MAT 6974
(γ,2p)
70-Yb-151
Radionuclide Production Cross Section
68-Er-149g
68-Er-149m2
Cross Section (barns)
Incident Energy (MeV)
14
70-Yb-151


MAT 6974
(γ,p) t
70-Yb-151
Radionuclide Production Cross Section
68-Er-147g
68-Er-147m2
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
70-Yb-151