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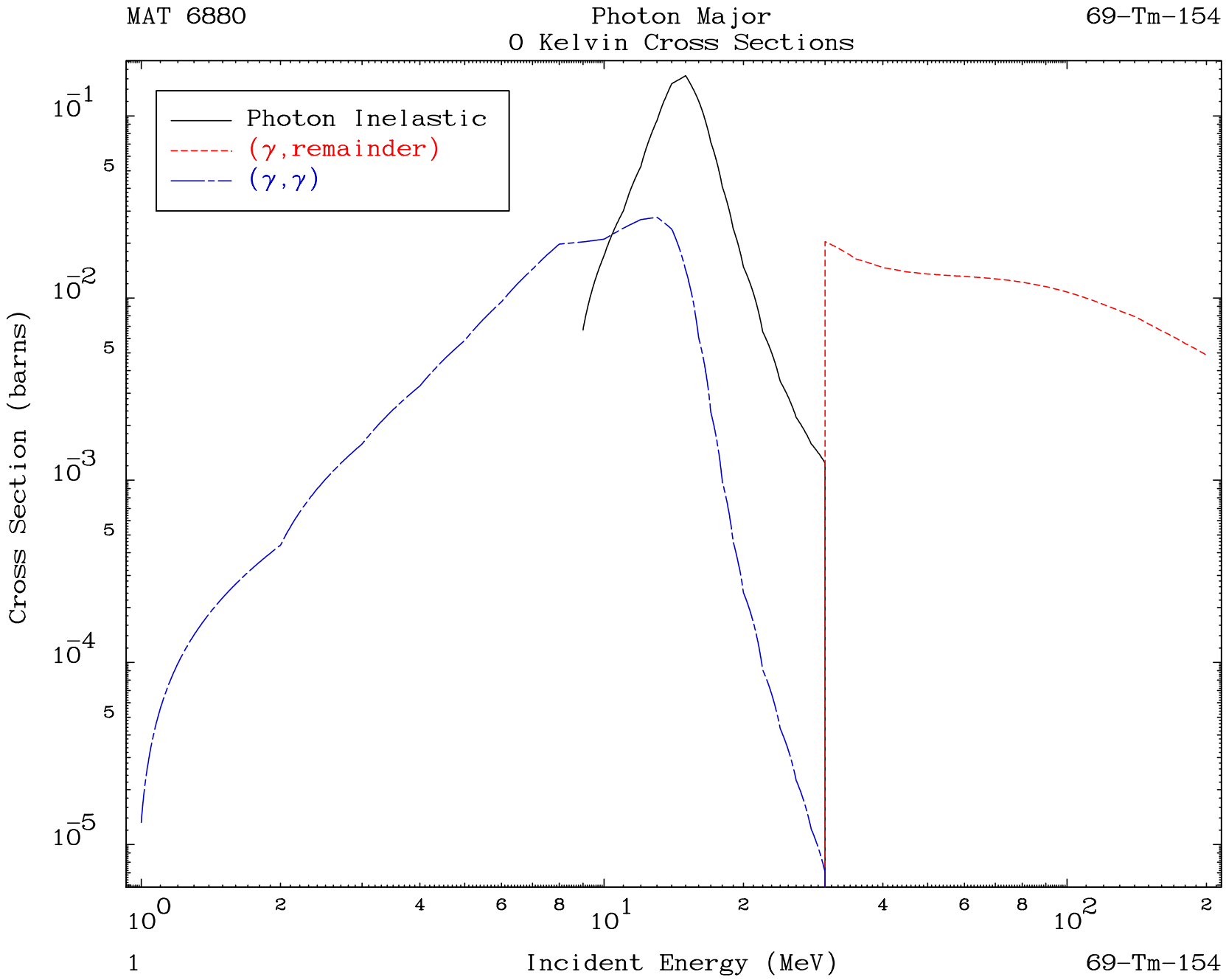
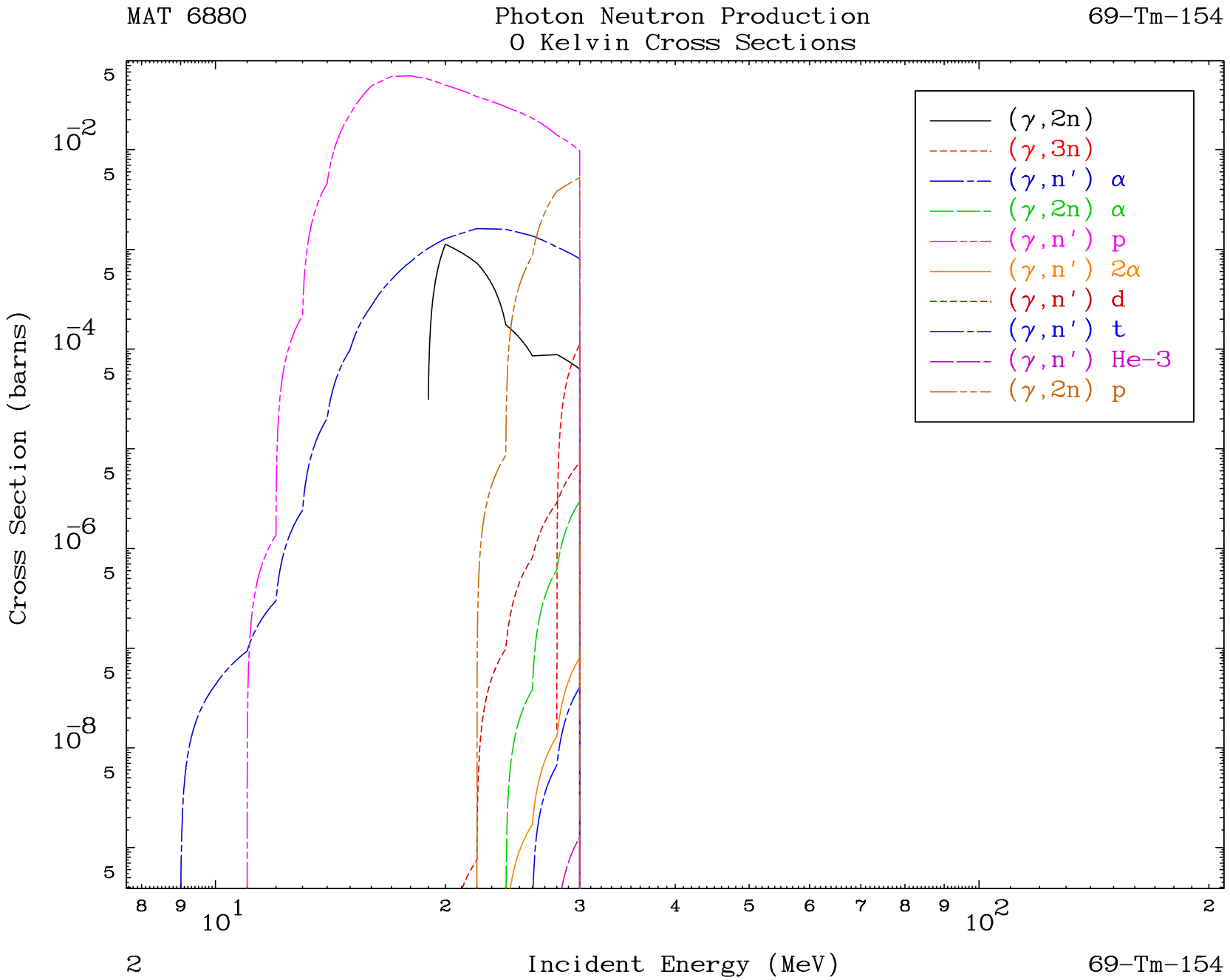
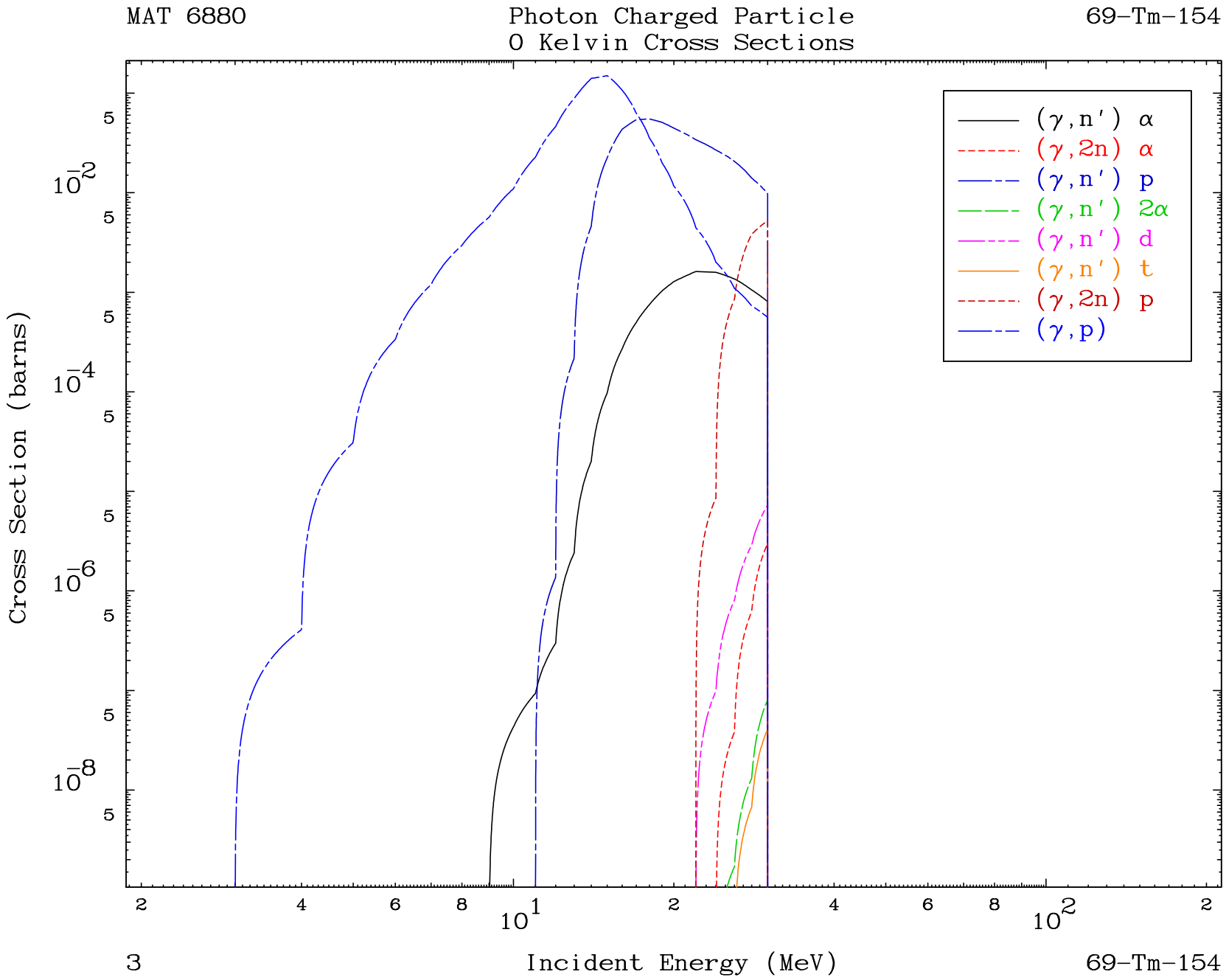
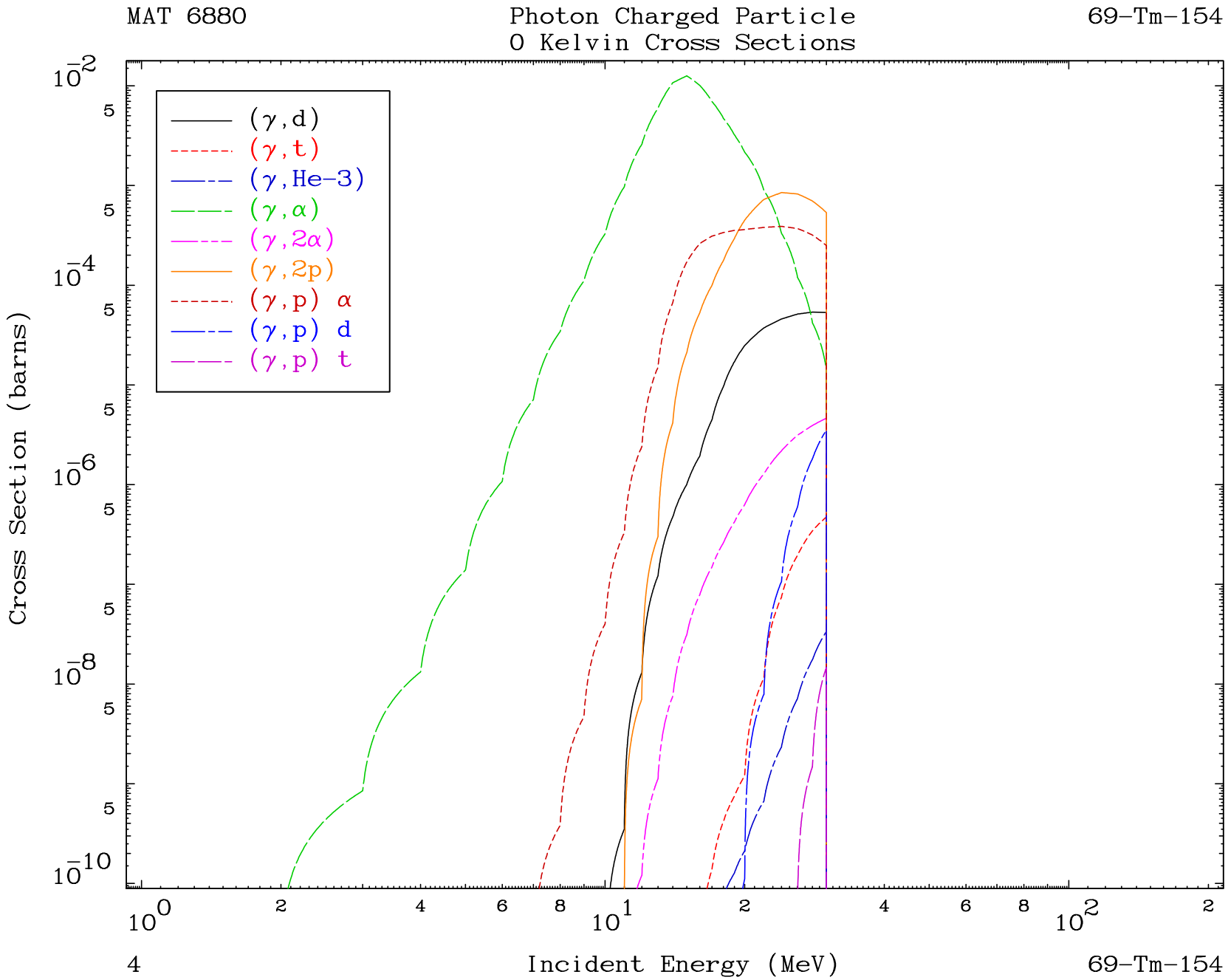
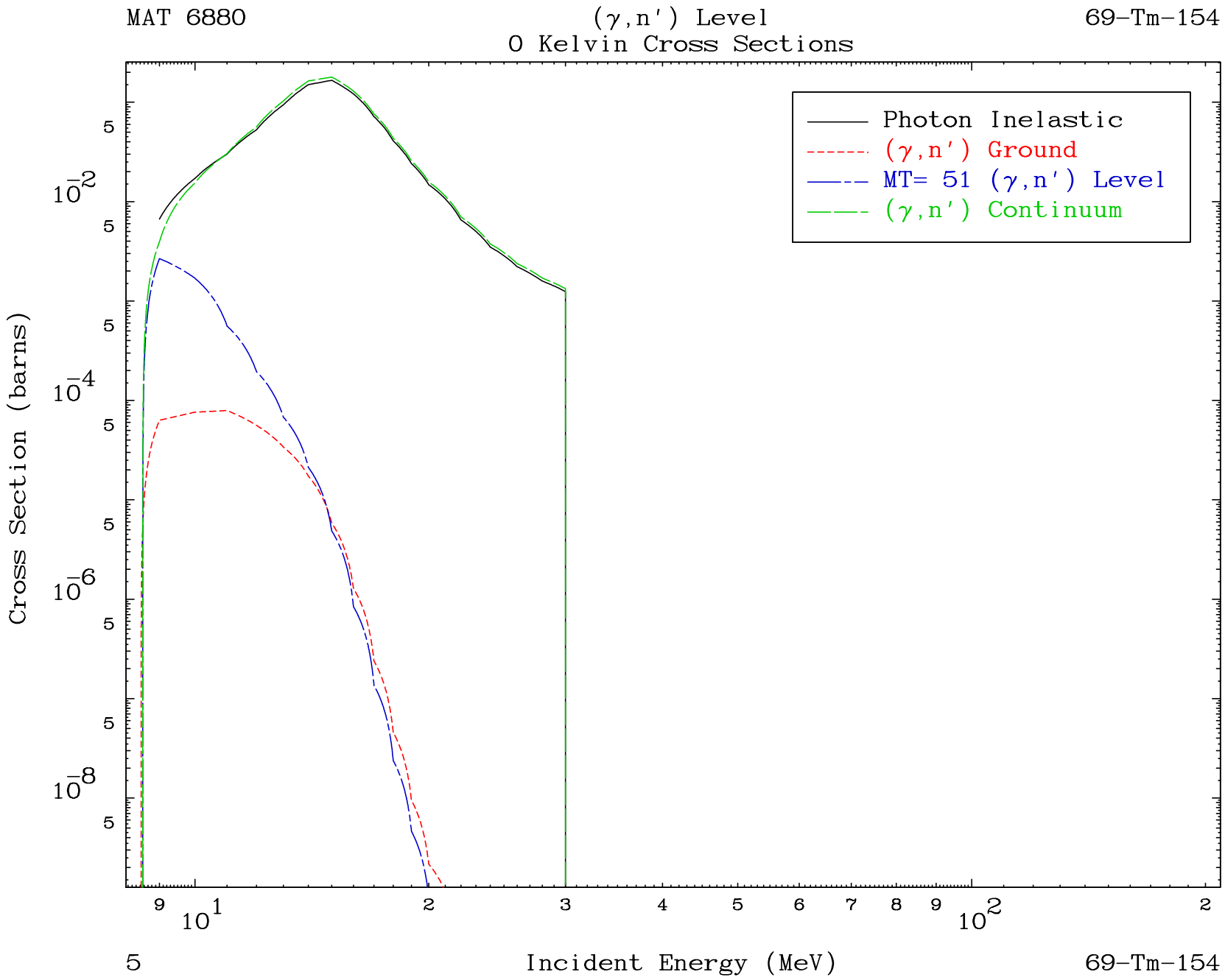
Press Mouse Button to Start

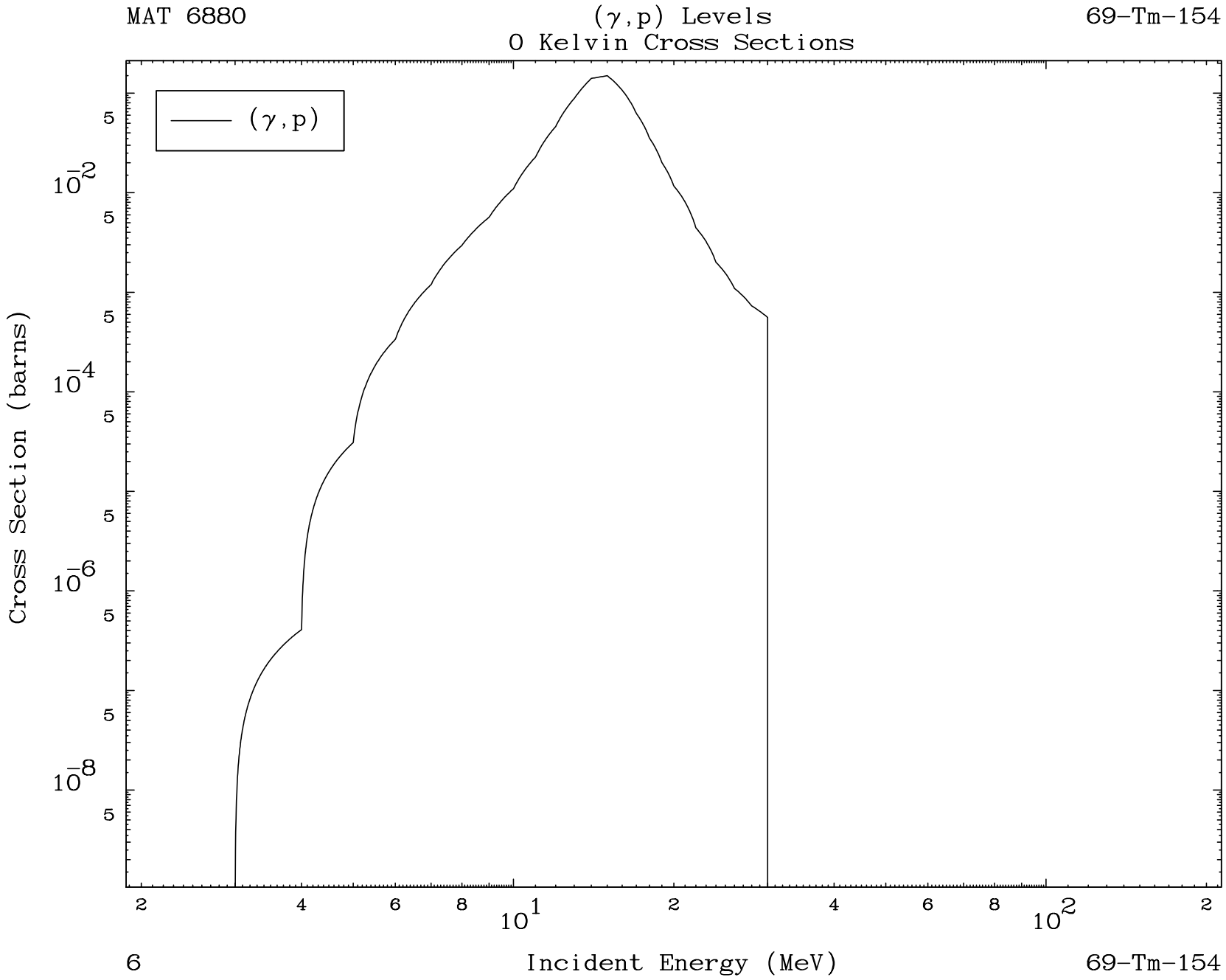

MAT 6880
Photon Major
69-Tm-154
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
69-Tm-154

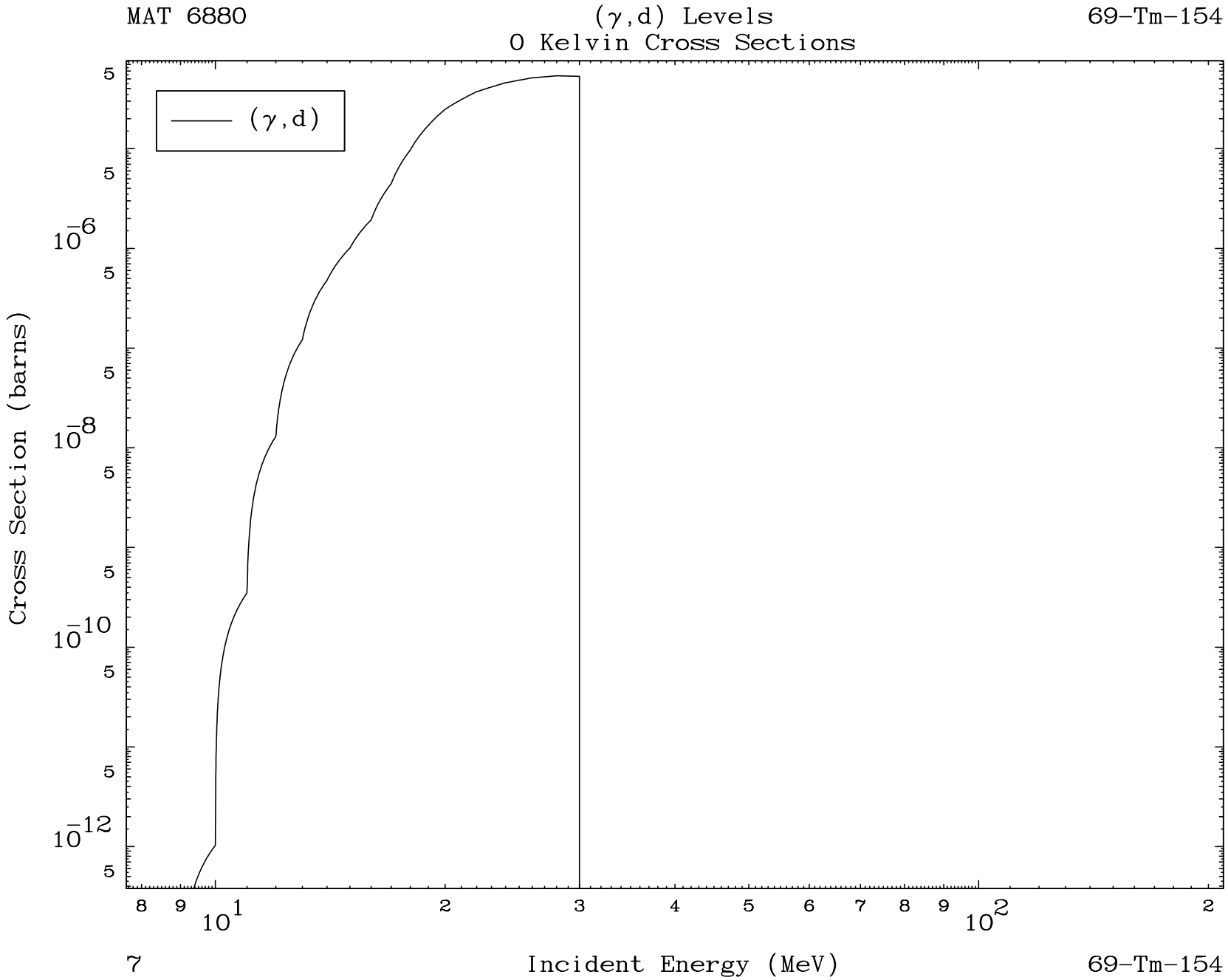

MAT 6880
Photon Neutron Production
0 Kelvin Cross Sections
69-Tm-154
Cross Section (barns)
Incident Energy (MeV)
69-Tm-154
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,n') He-3
(γ,2n) p

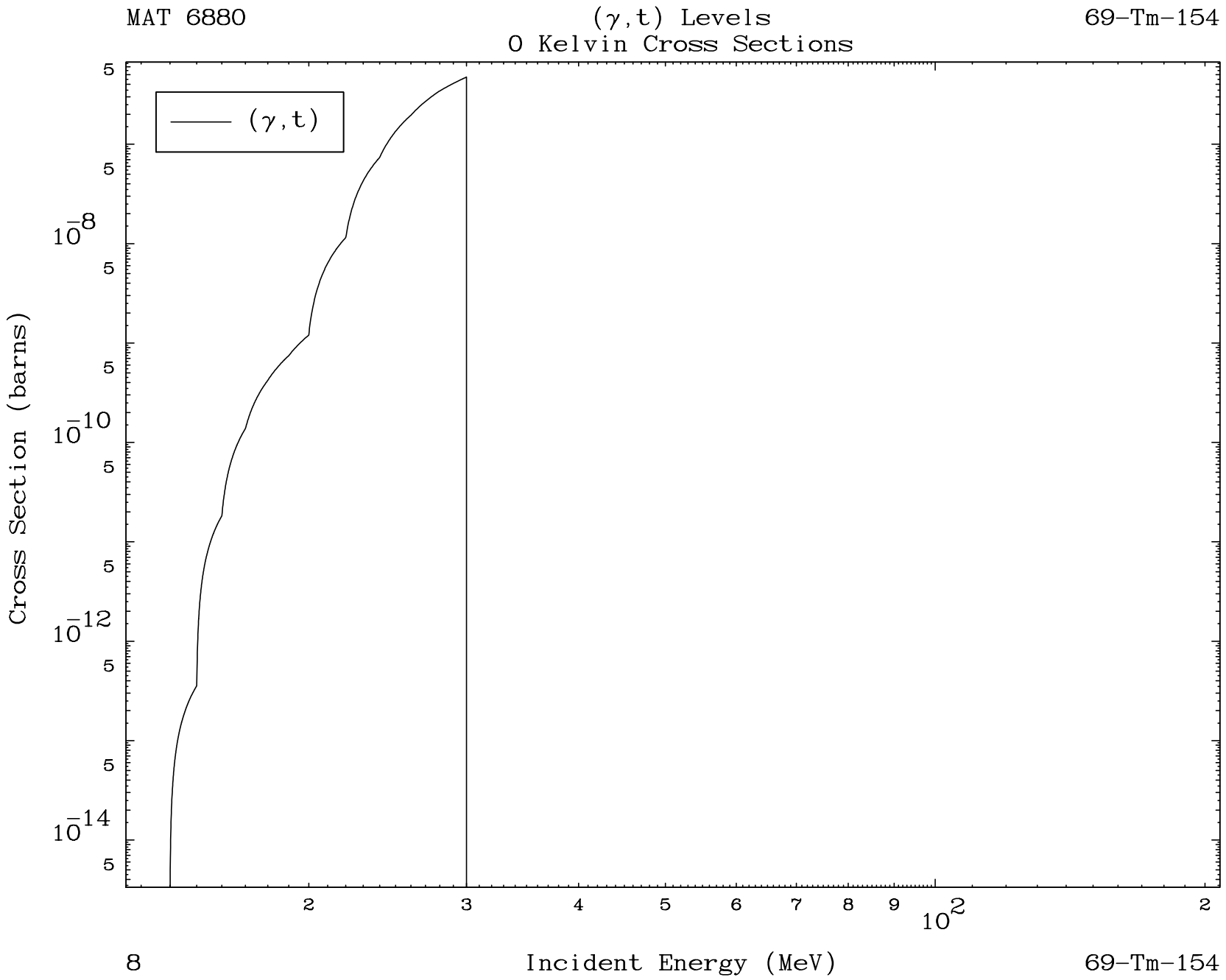

MAT 6880
Photon Charged Particle
0 Kelvin Cross Sections
69-Tm-154
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
2
4
6
8
10 1
2
4
6
8
10 2
2
Incident Energy (MeV)
3
69-Tm-154

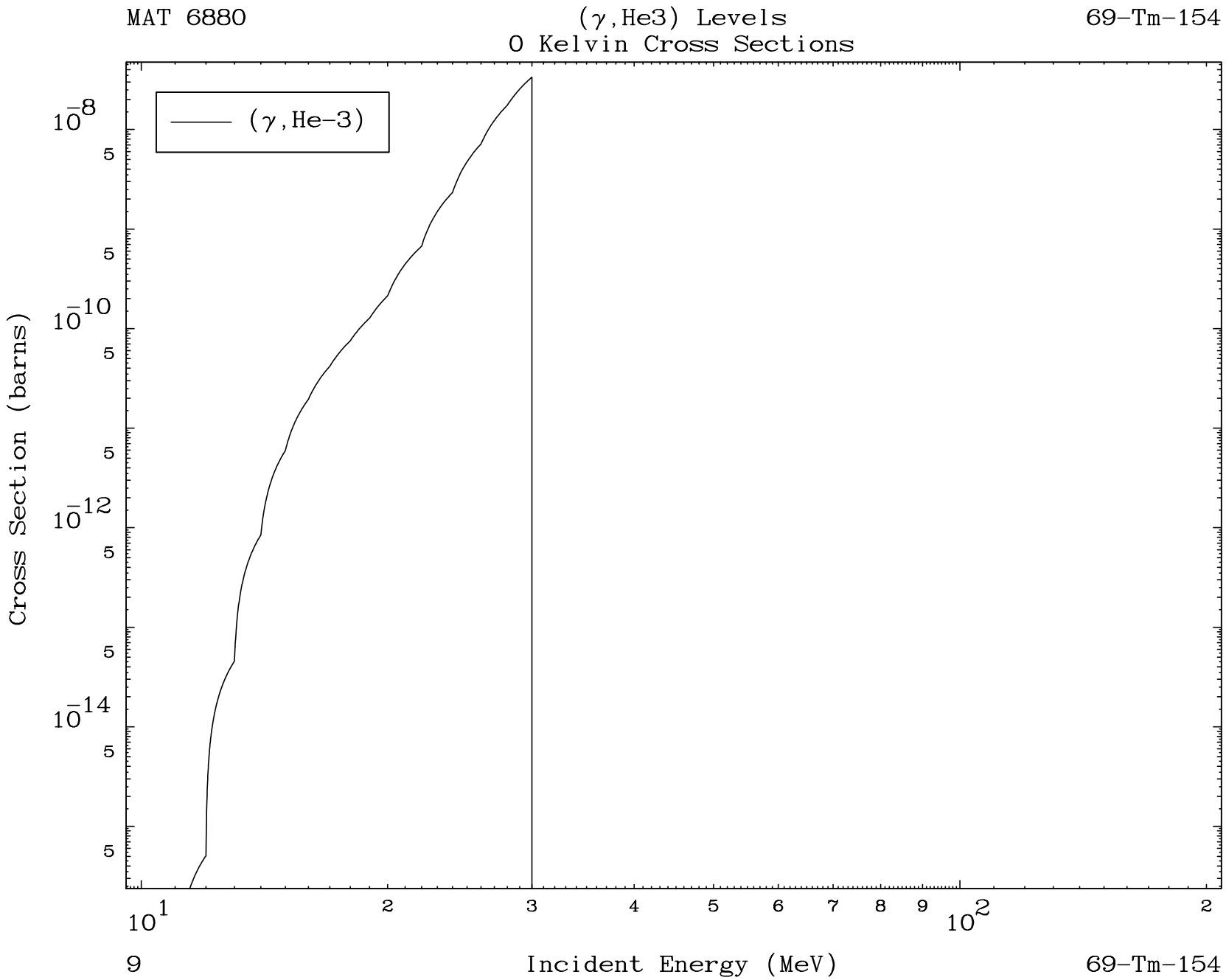

MAT 6880
Photon Charged Particle
0 Kelvin Cross Sections
69-Tm-154
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
69-Tm-154
4

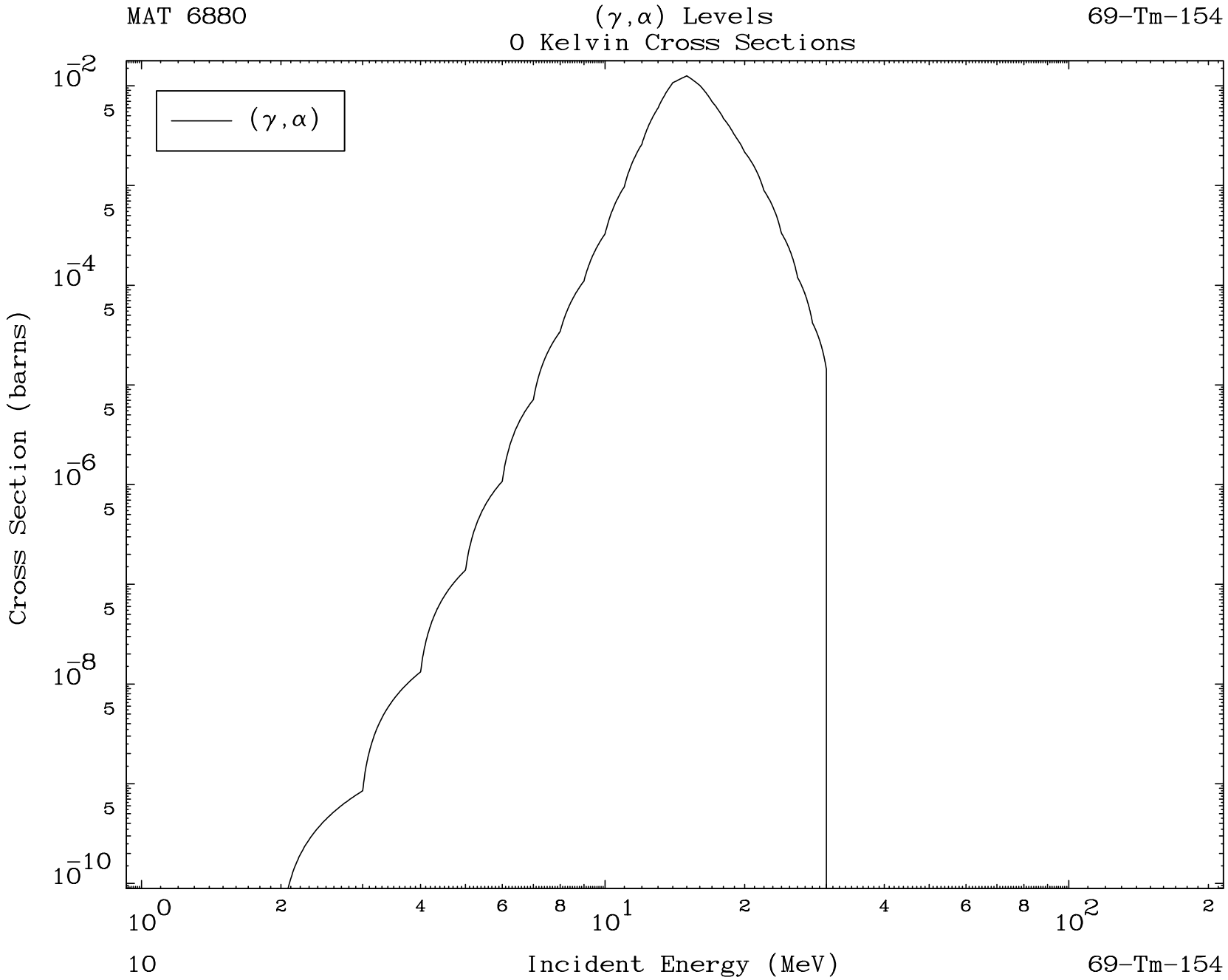

MAT 6880
(γ,n') Level
69-Tm-154
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
69-Tm-154

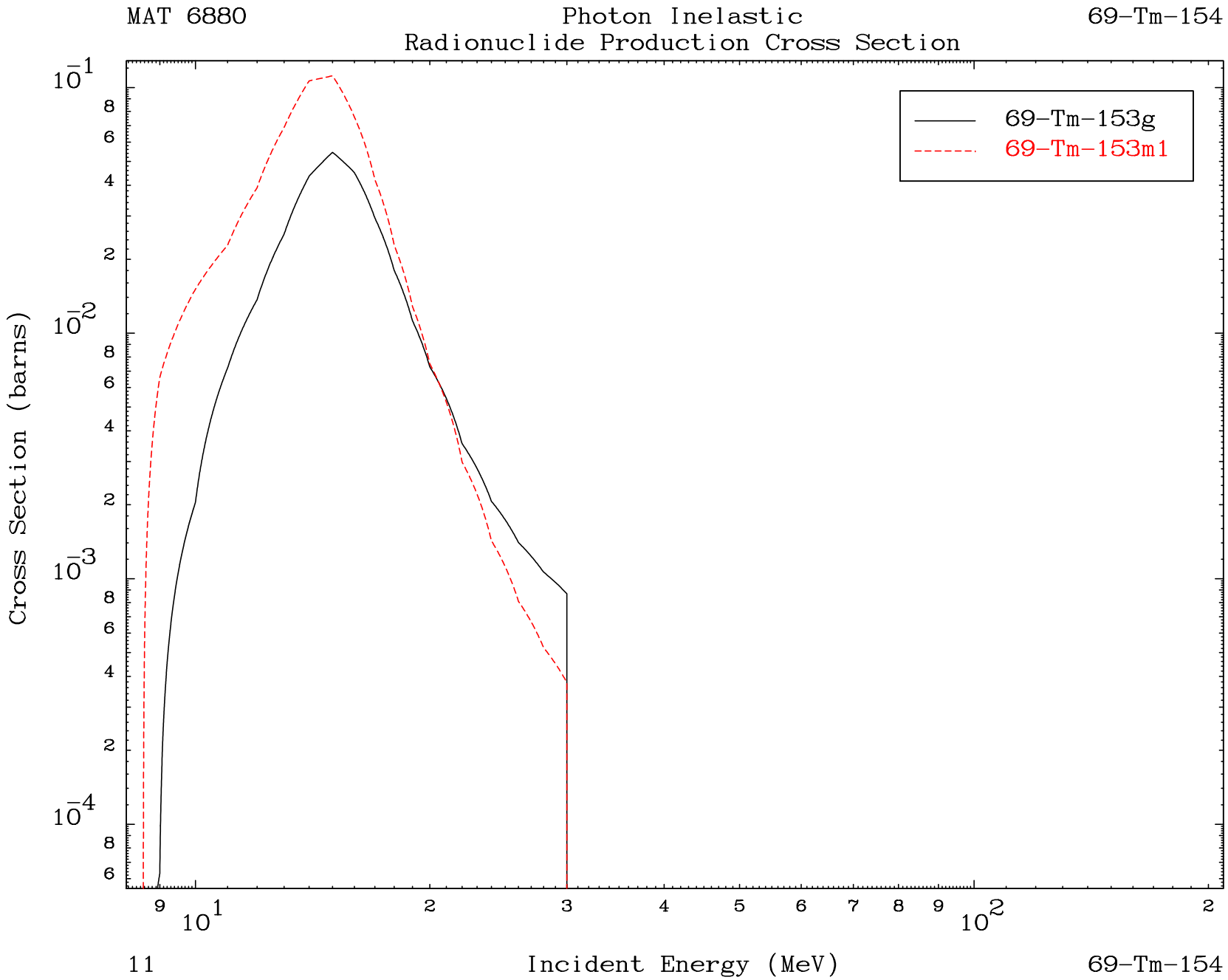

MAT 6880
(γ,p) Levels
69-Tm-154
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10 1
10 2
Incident Energy (MeV)
6
69-Tm-154

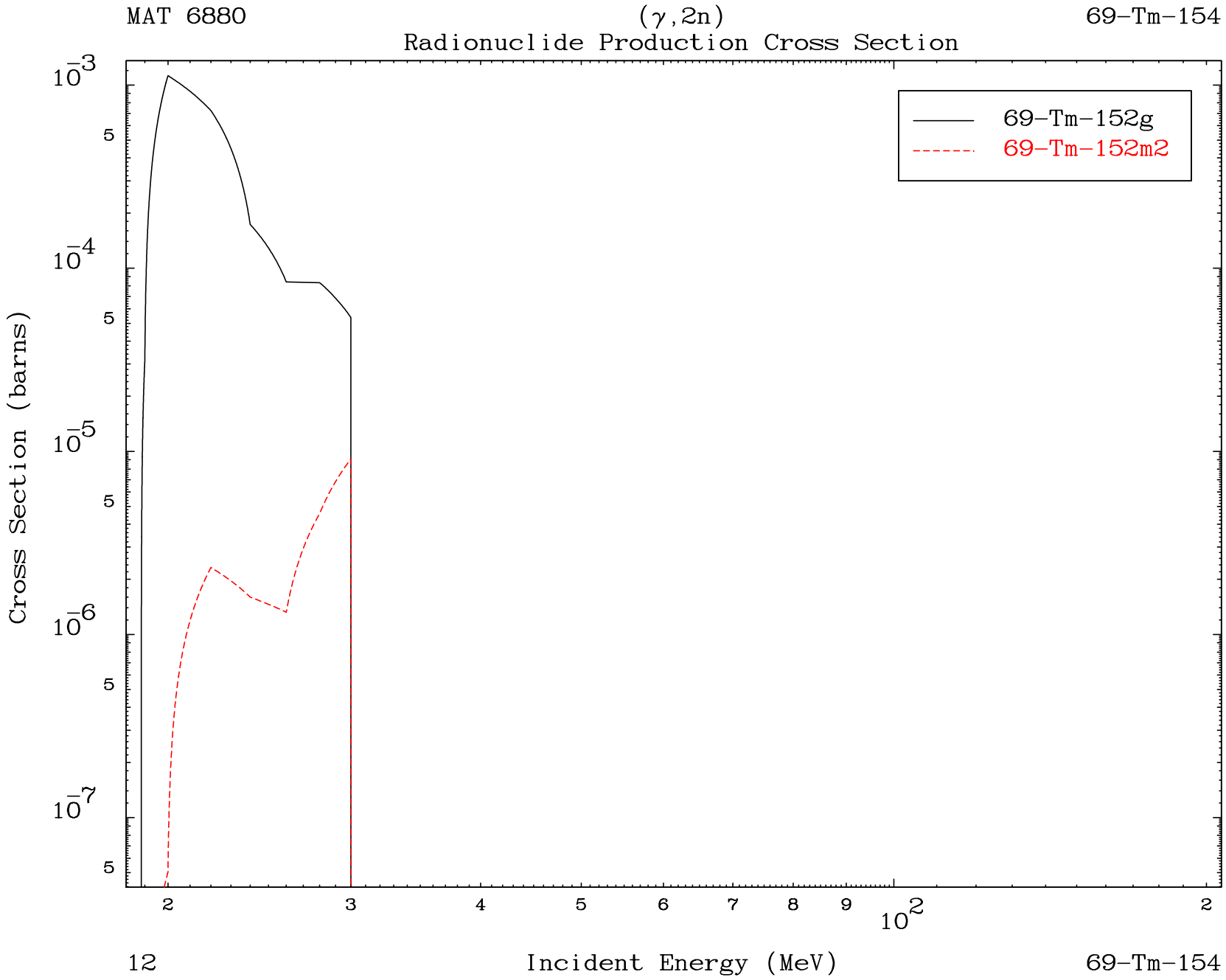

MAT 6880
(γ,d) Levels
69-Tm-154
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
7
69-Tm-154

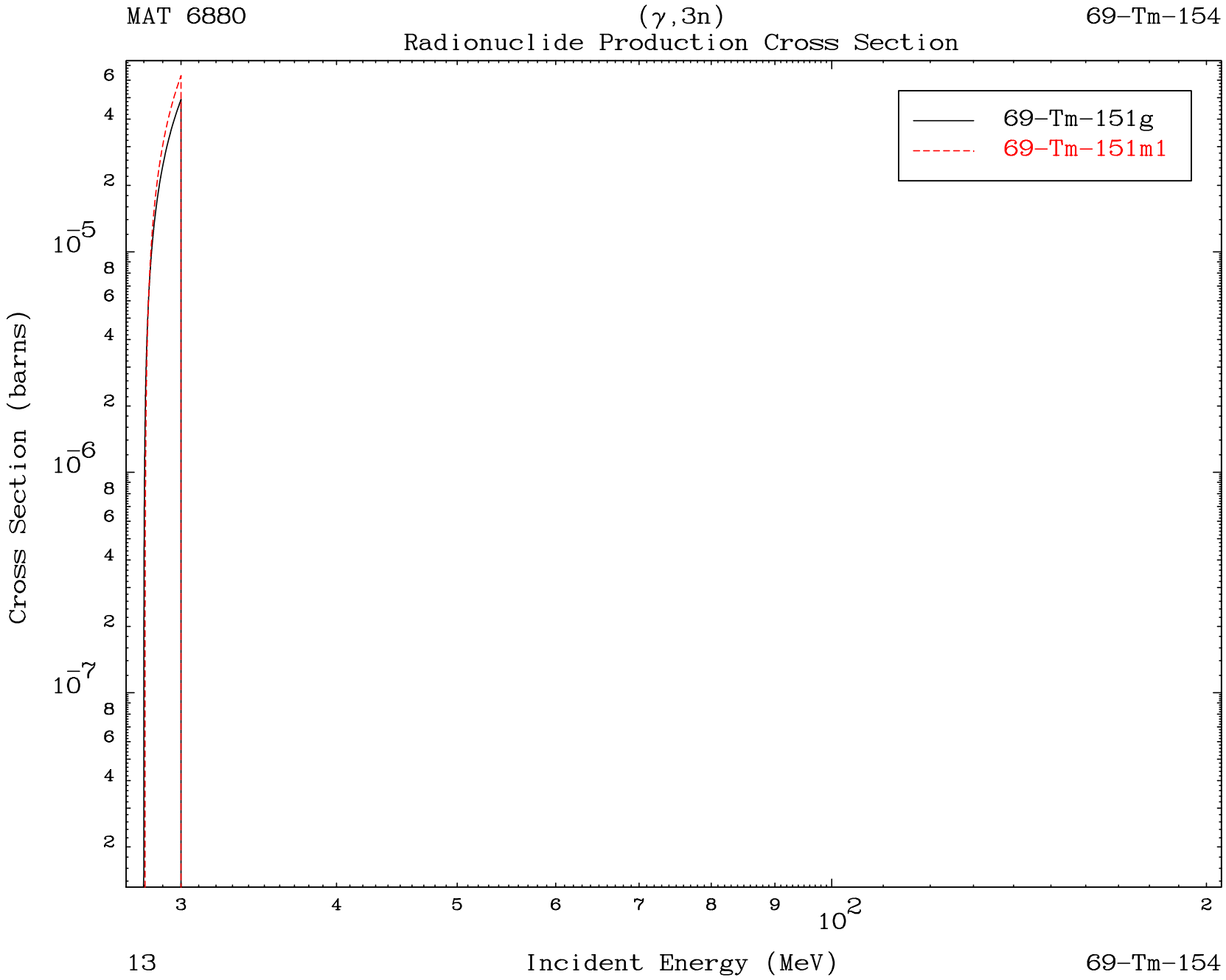

MAT 6880
(γ,t) Levels
69-Tm-154
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
8
Incident Energy (MeV)
69-Tm-154

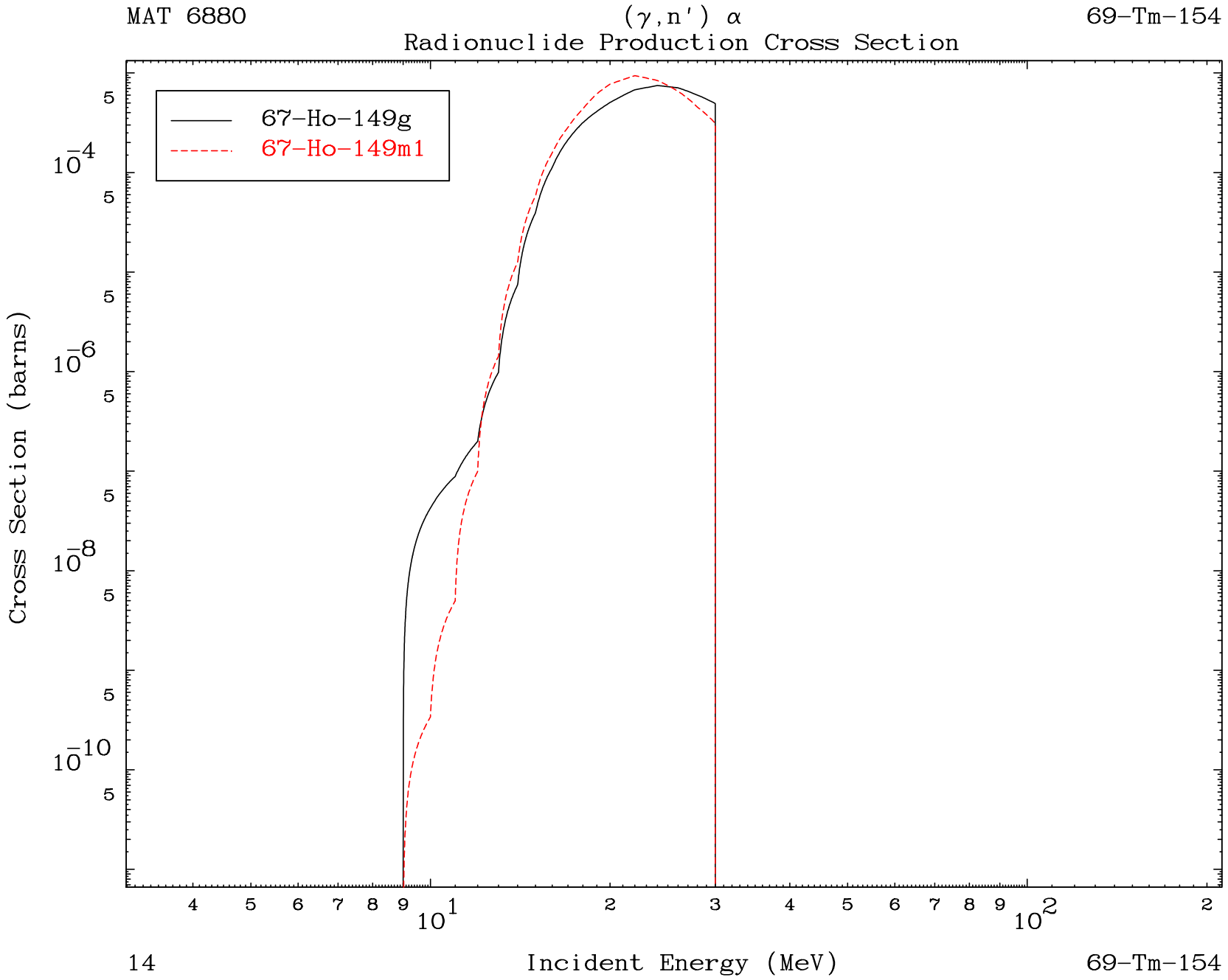

MAT 6880
(γ,He3) Levels
69-Tm-154
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
9
69-Tm-154

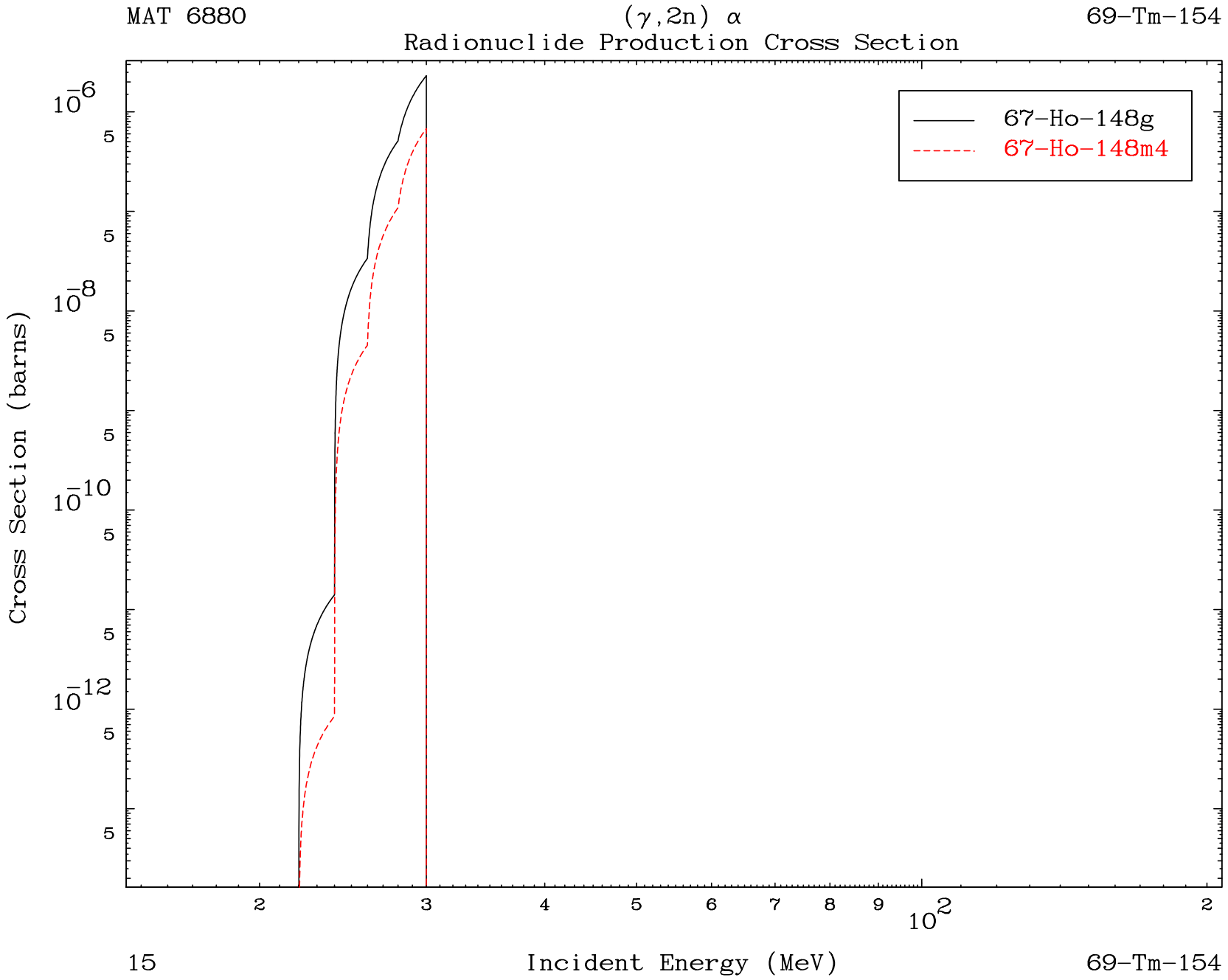

MAT 6880
(γ,α) Levels
69-Tm-154
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
69-Tm-154

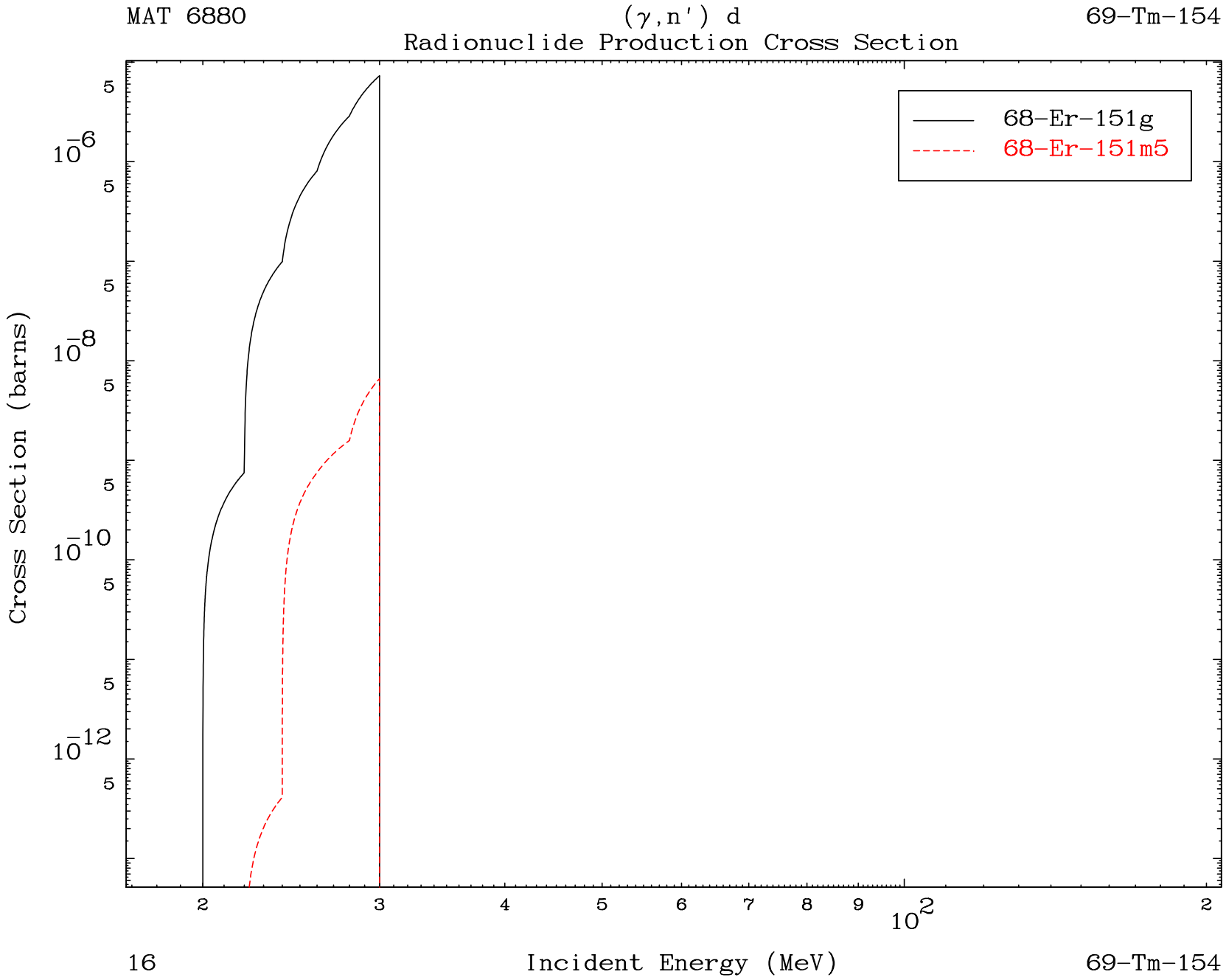

MAT 6880
Photon Inelastic
69-Tm-154
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
11
69-Tm-154

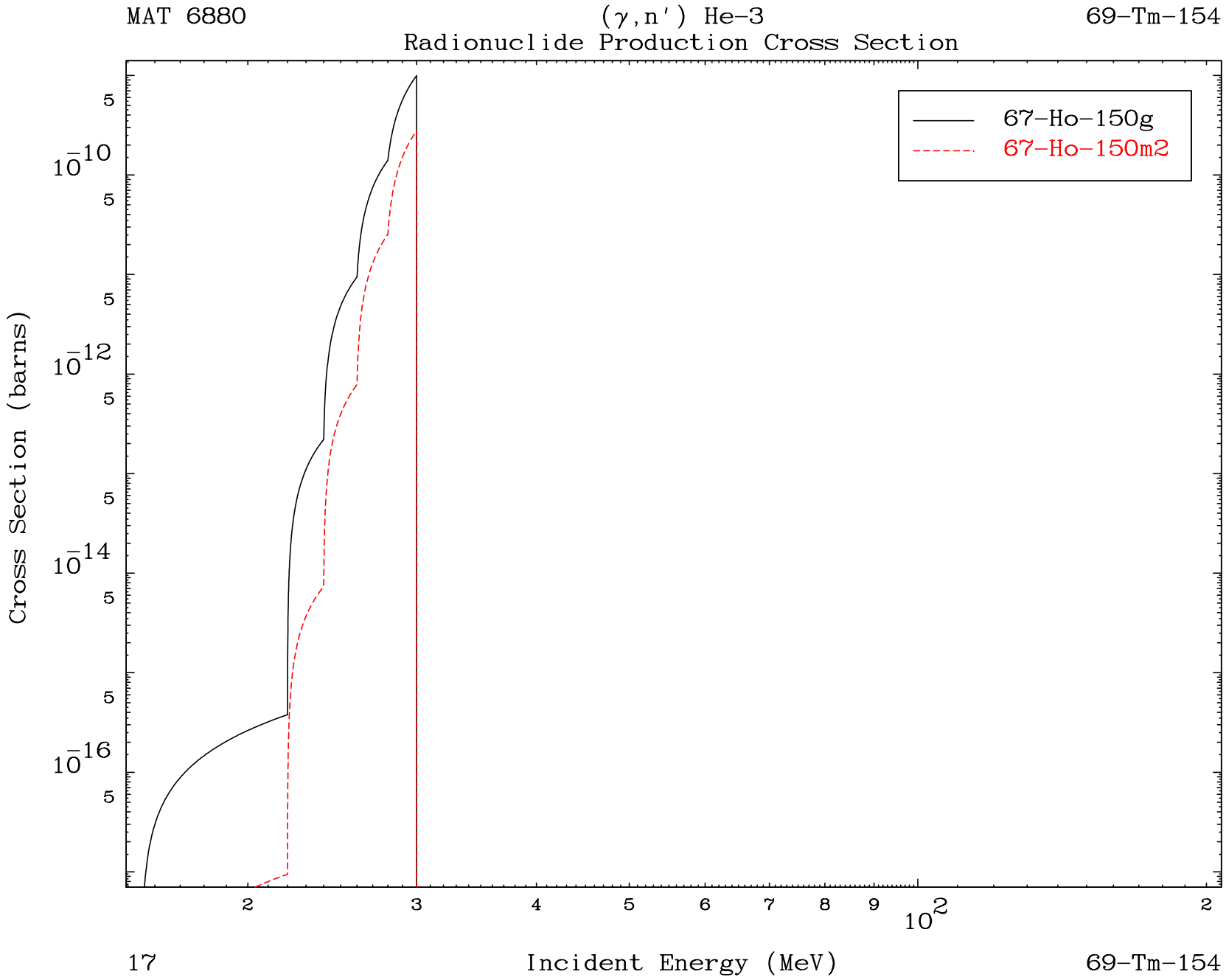

MAT 6880
(γ,2n)
69-Tm-154
Radionuclide Production Cross Section
69-Tm-152g
69-Tm-152m2
Cross Section (barns)
10-3
5
10-4
5
10-5
5
10-6
5
10-7
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
69-Tm-154

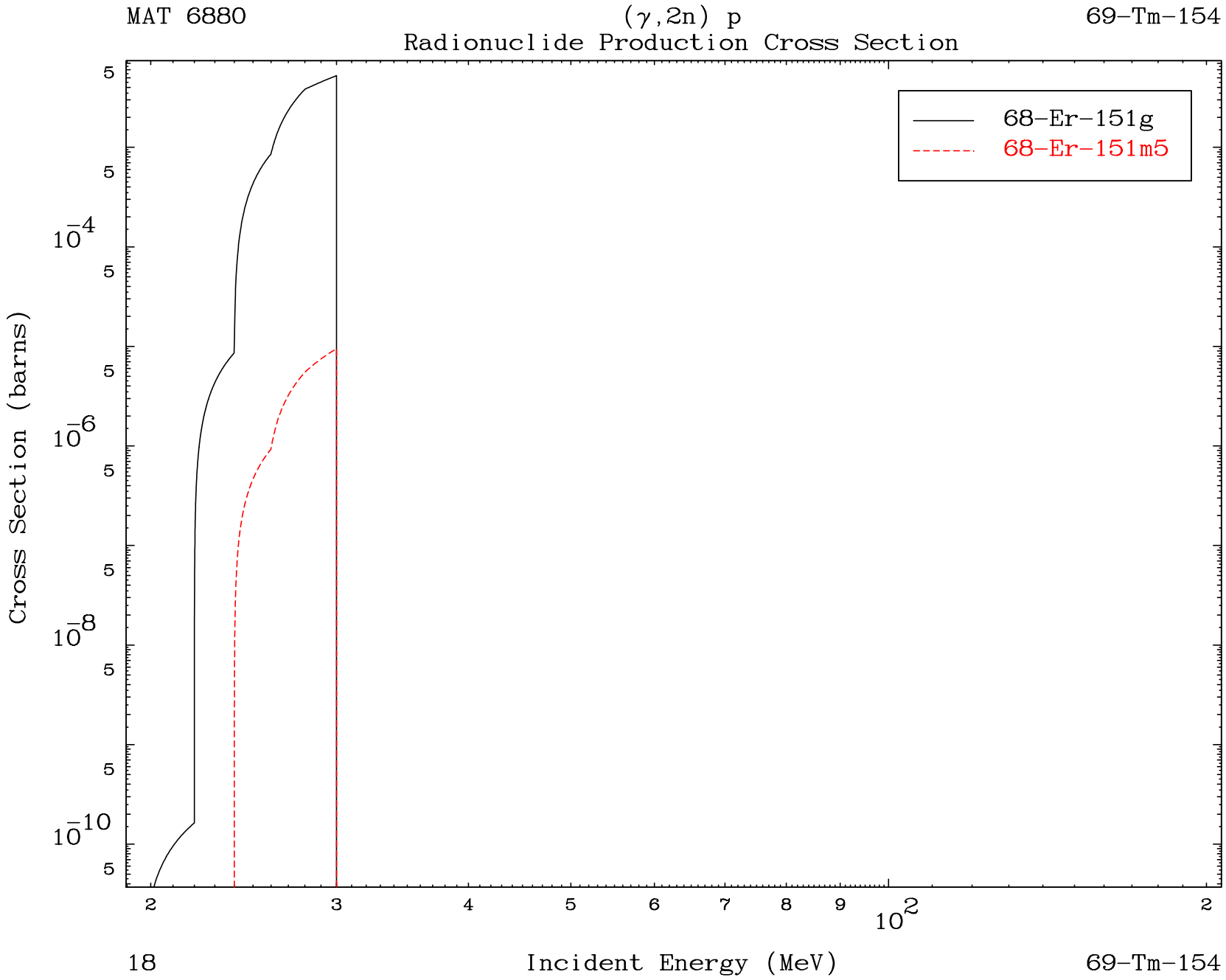

MAT 6880
(γ,3n)
69-Tm-154
Radionuclide Production Cross Section
69-Tm-151g
69-Tm-151m1
Cross Section (barns)
10-5
10-6
10-7
6
4
2
8
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
69-Tm-154

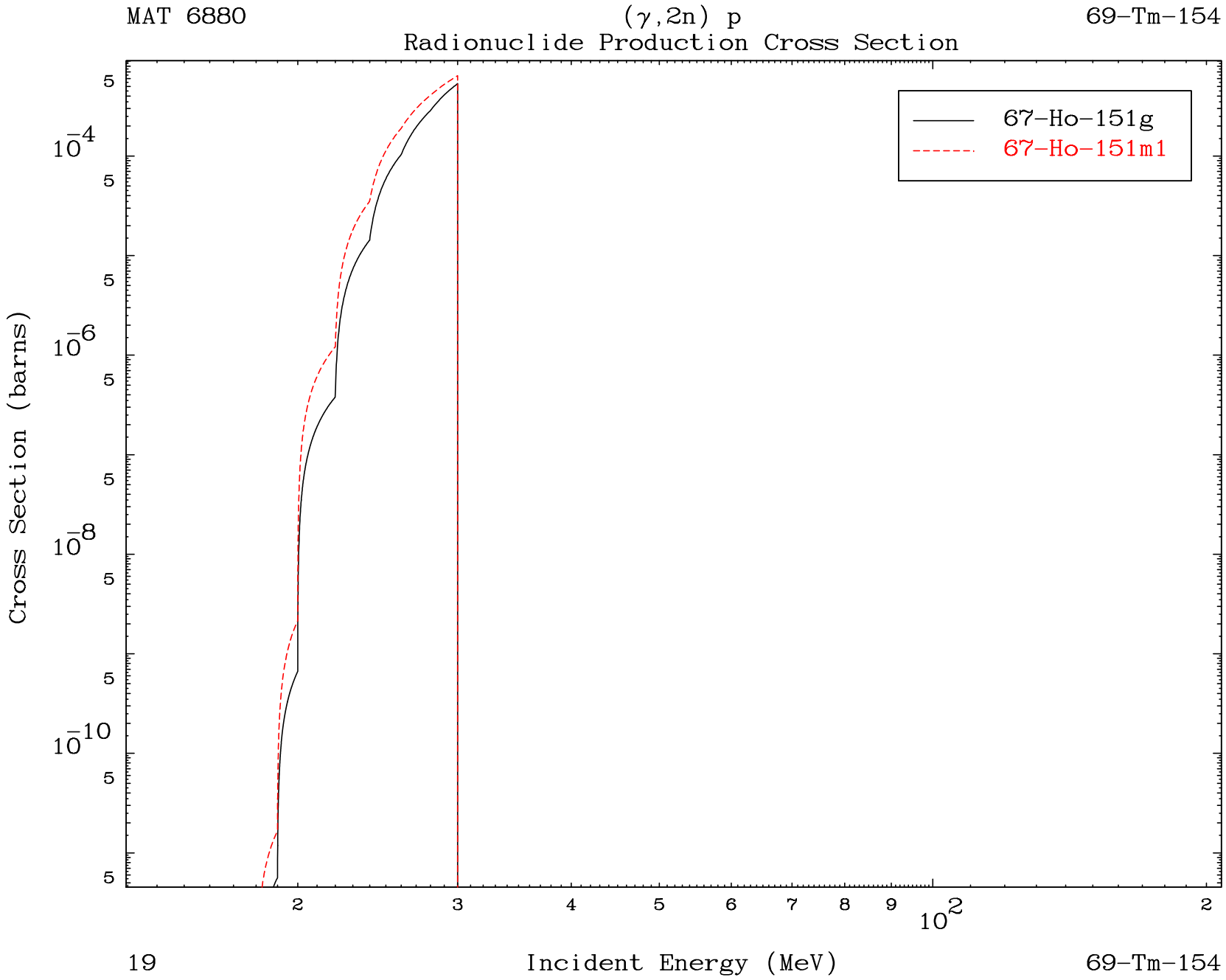

MAT 6880
(γ,n') α
69-Tm-154
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
14
69-Tm-154

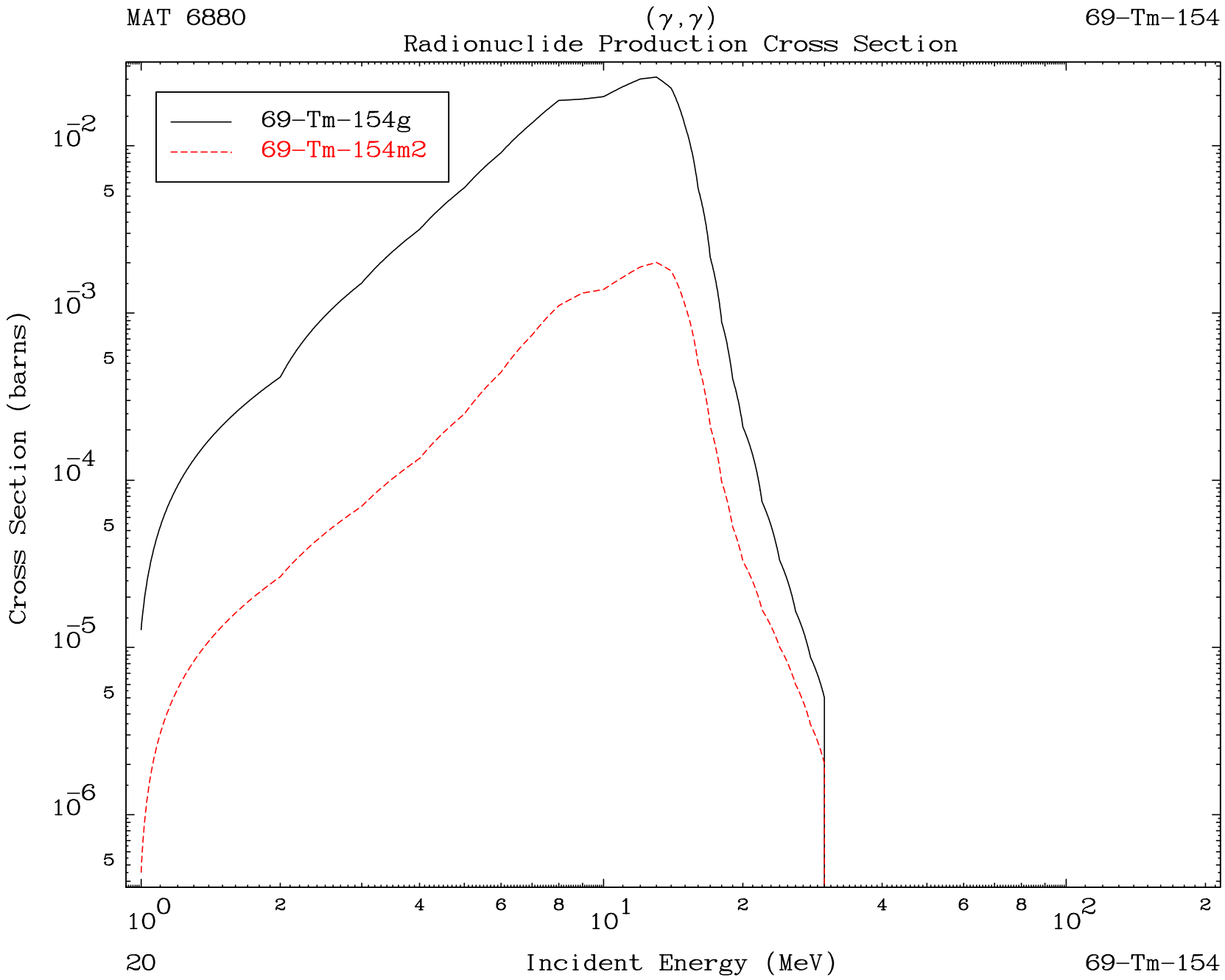

MAT 6880
(γ,2n) α
69-Tm-154
Radionuclide Production Cross Section
67-Ho-148g
67-Ho-148m4
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
15
Incident Energy (MeV)
69-Tm-154

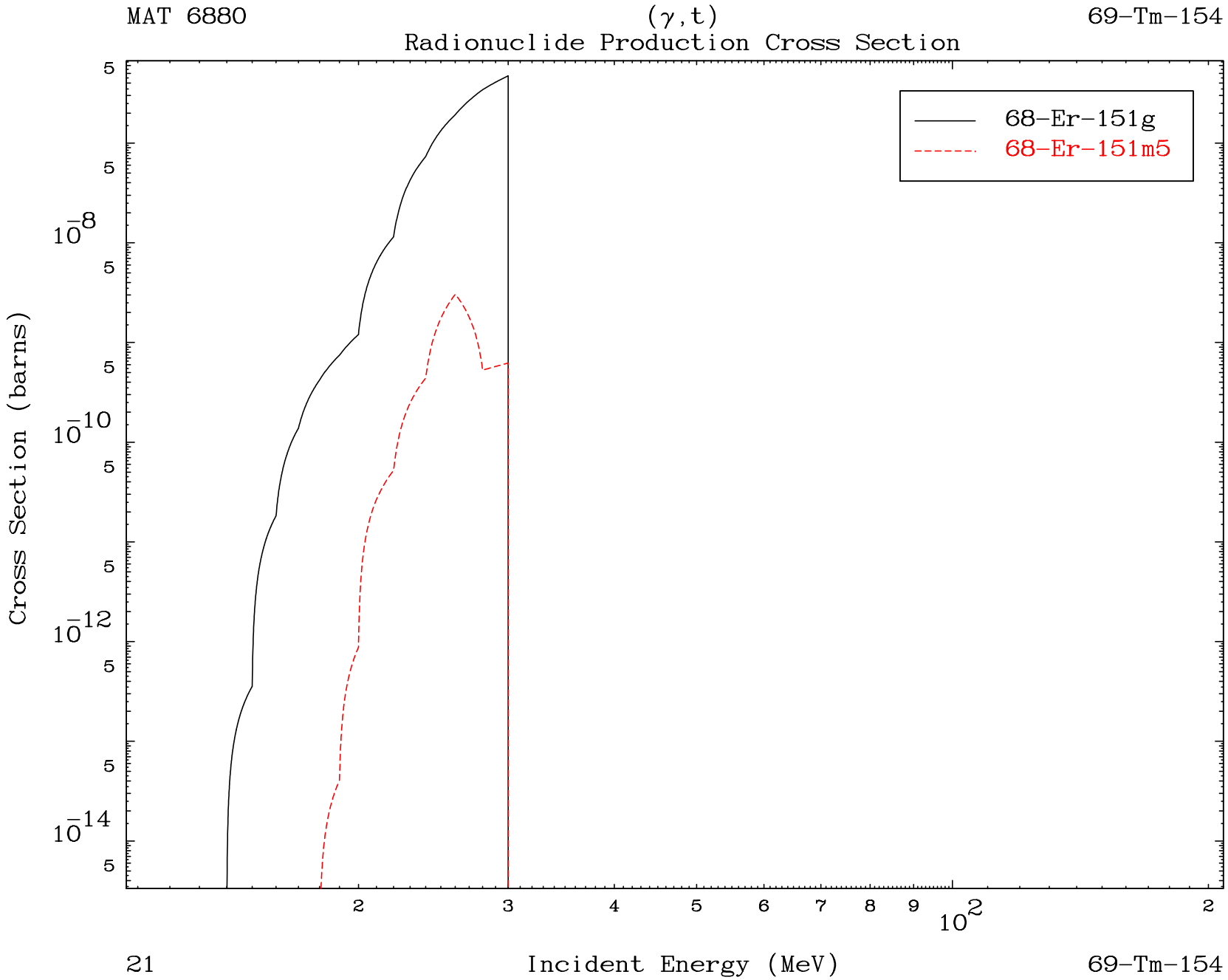

MAT 6880
(γ,n') d
69-Tm-154
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
16
69-Tm-154

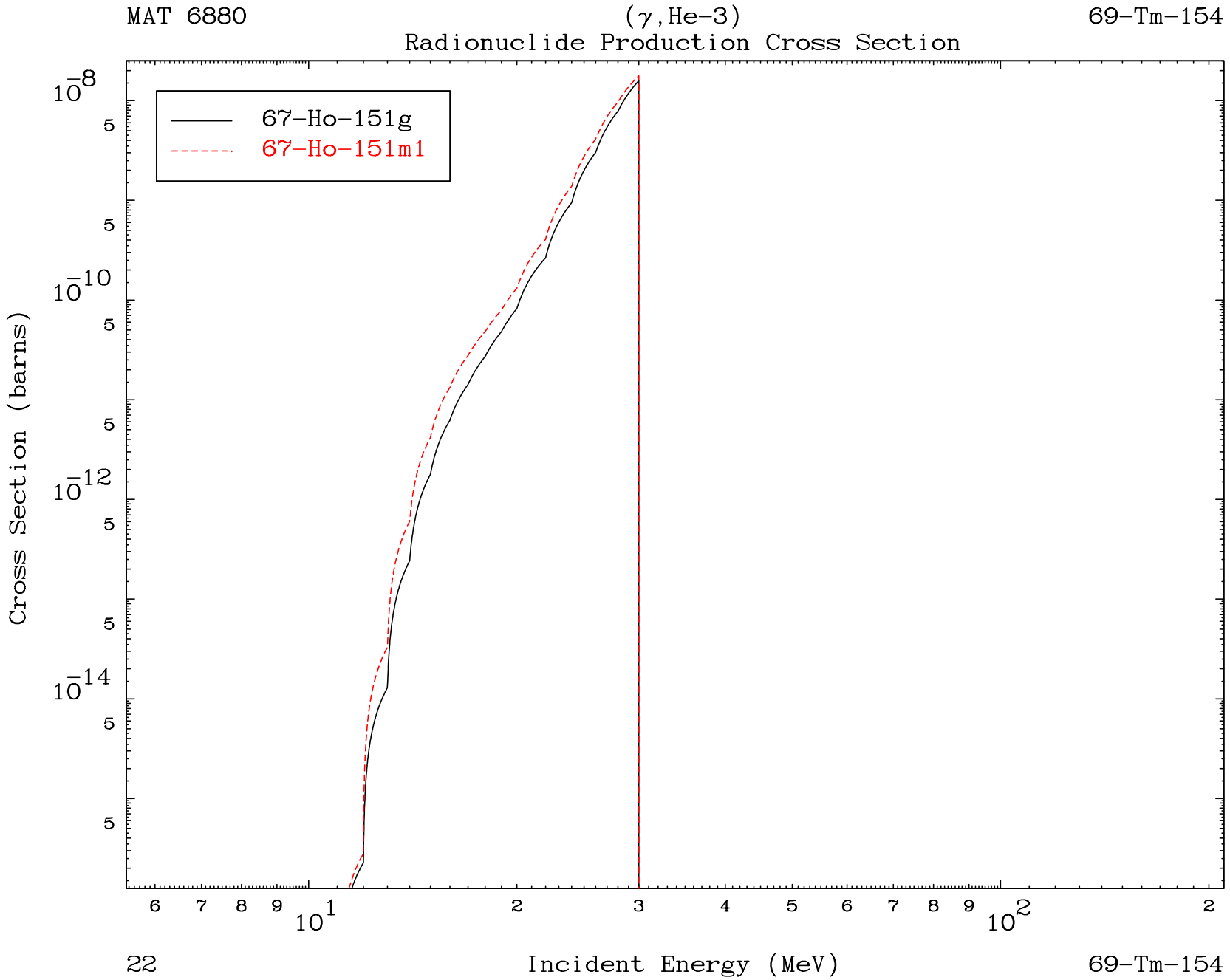

MAT 6880
(γ,n') He-3
69-Tm-154
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
69-Tm-154

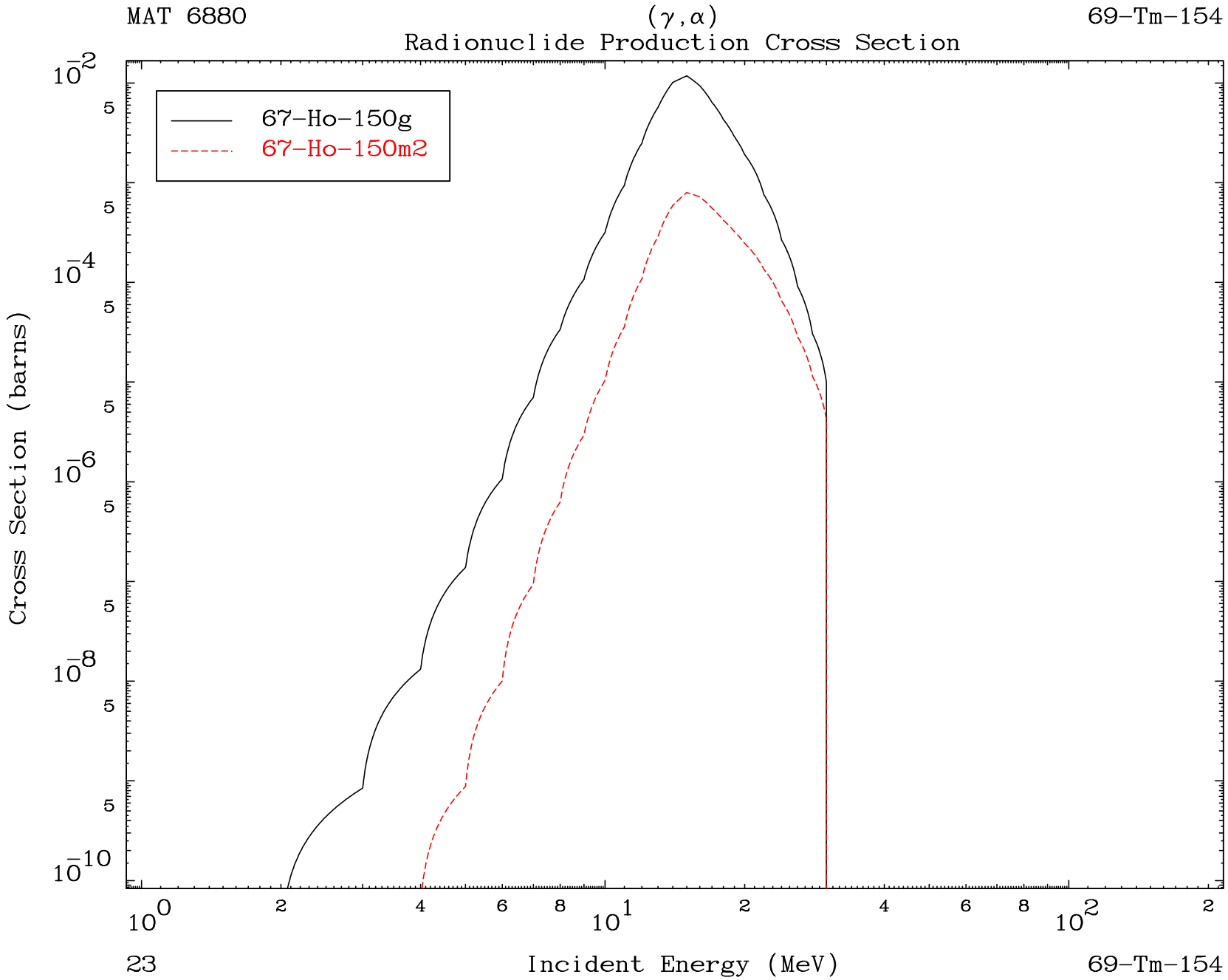

MAT 6880
(γ,2n) p
69-Tm-154
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
69-Tm-154

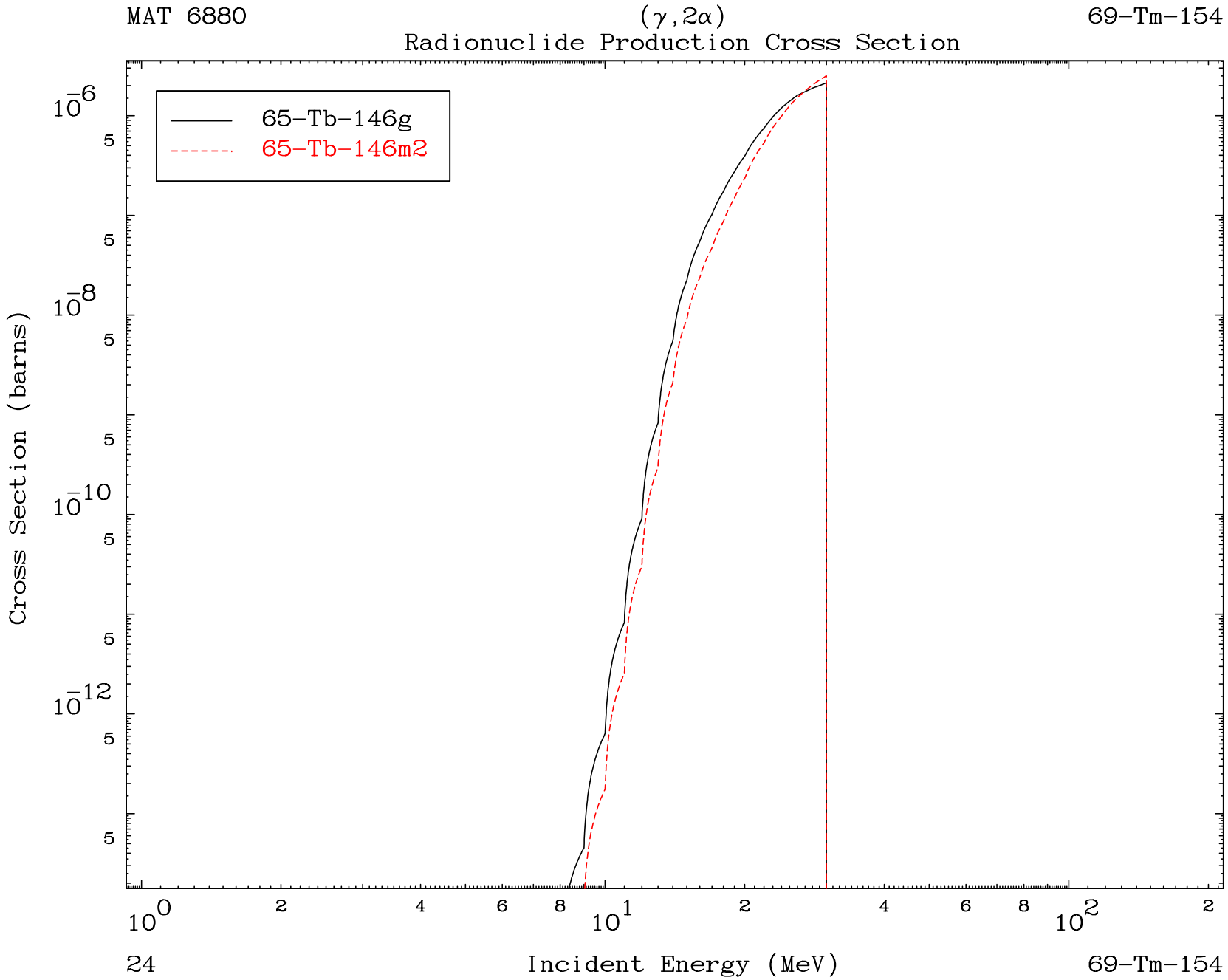

MAT 6880
(γ,2n) p
69-Tm-154
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
19
69-Tm-154

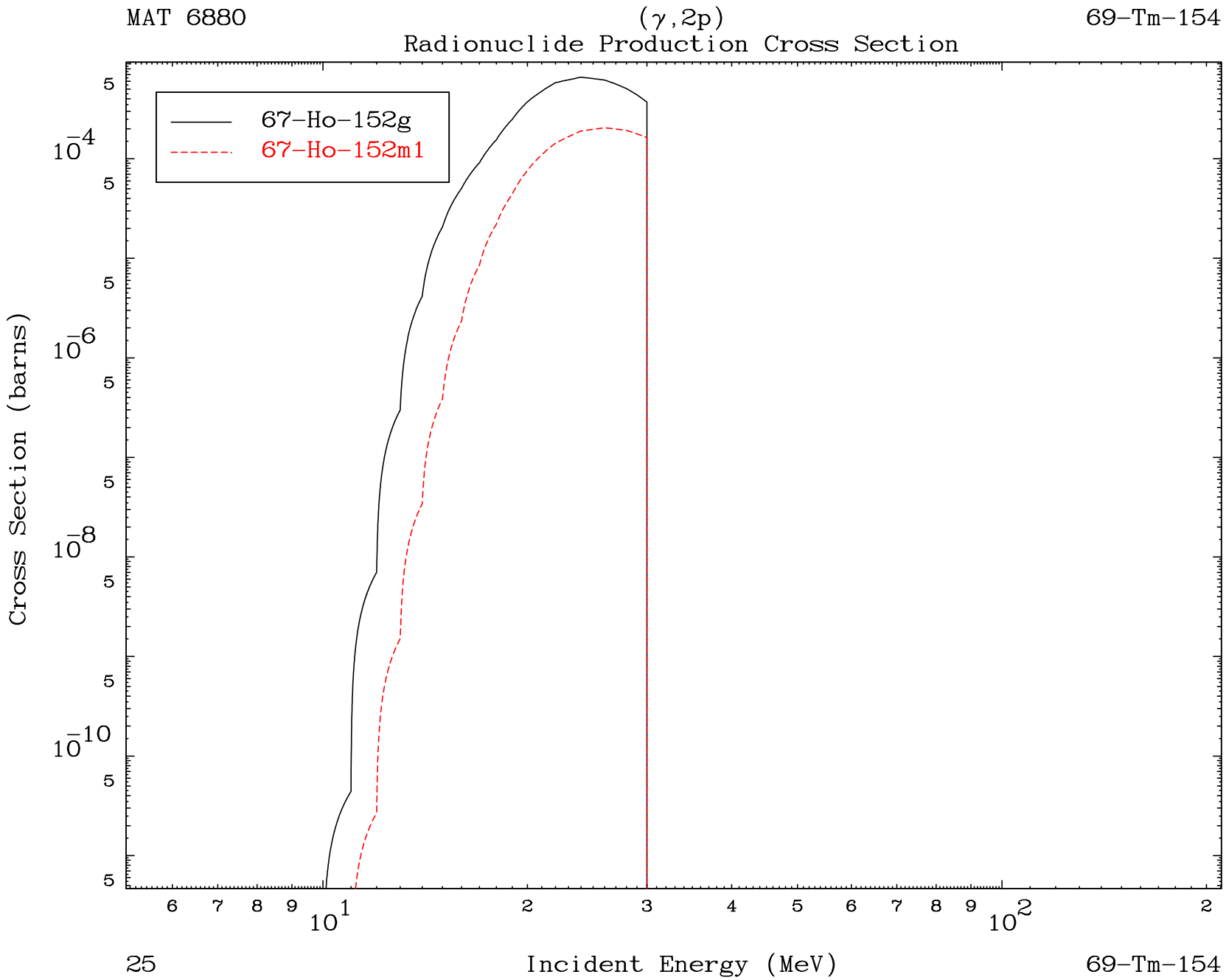

MAT 6880
(γ,γ)
69-Tm-154
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
5
100
2
4
6
8
101
102
20
Incident Energy (MeV)
69-Tm-154

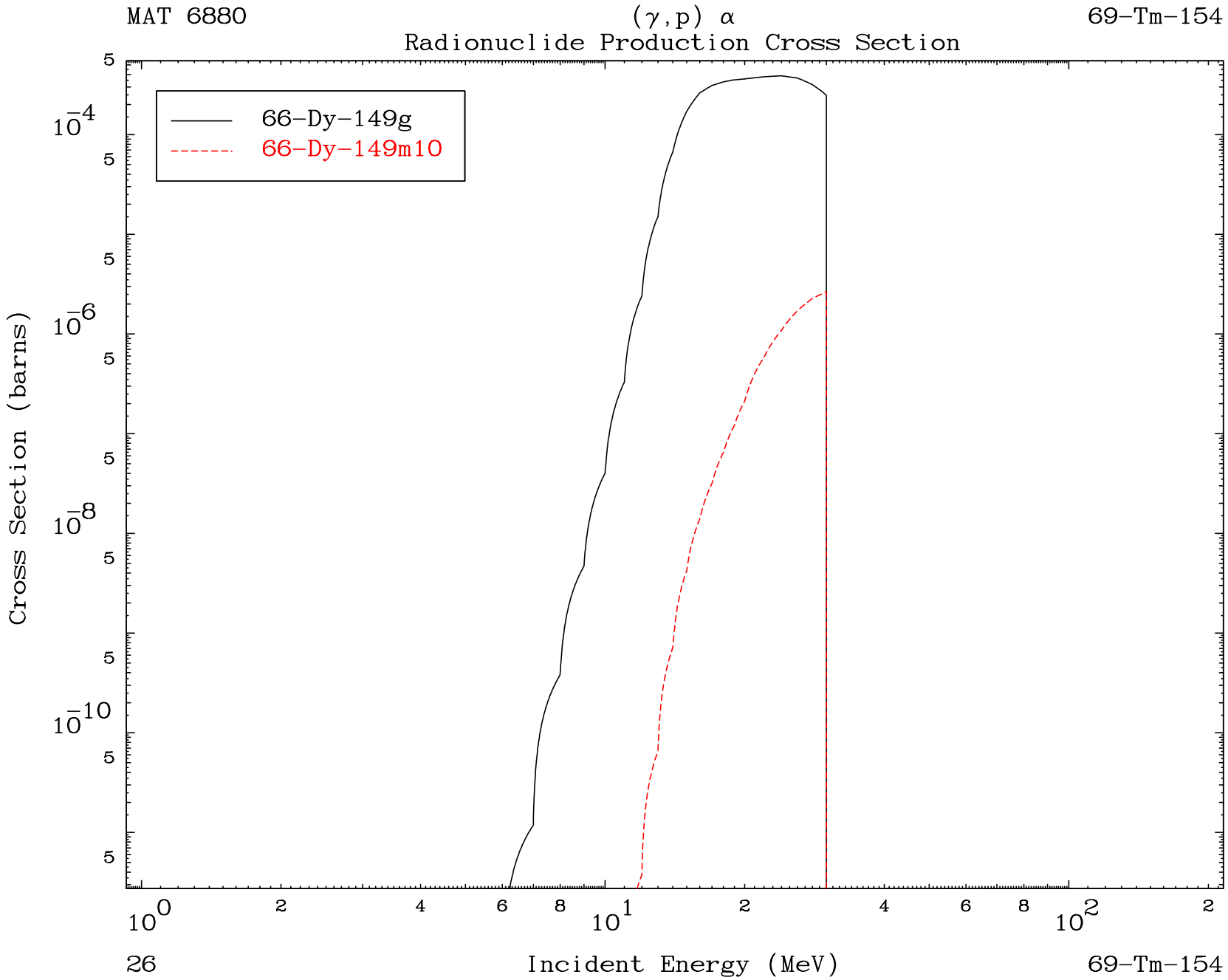

MAT 6880
(γ,t)
69-Tm-154
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m5
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
21
69-Tm-154

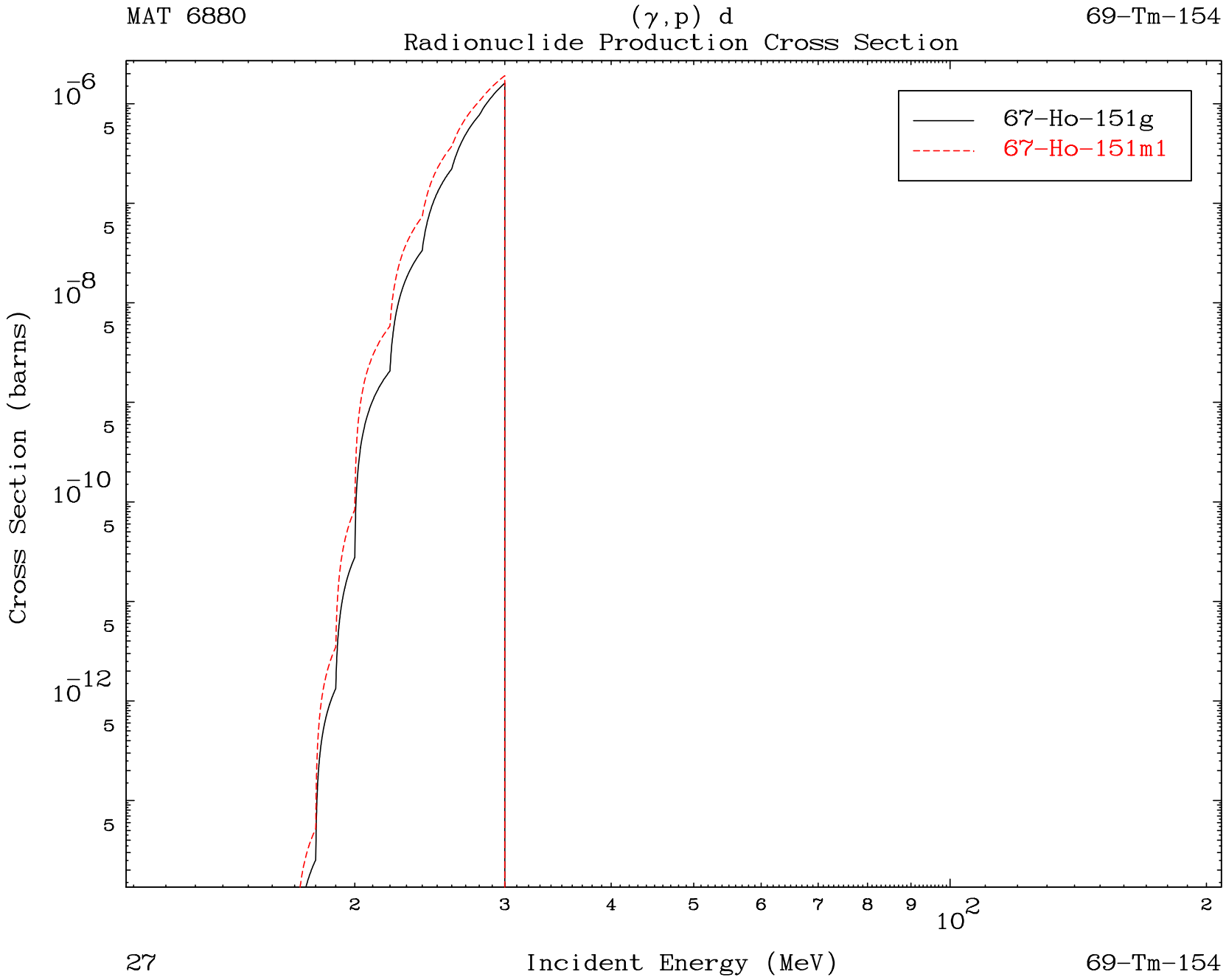

MAT 6880
(γ,He-3)
69-Tm-154
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
22
Incident Energy (MeV)
69-Tm-154

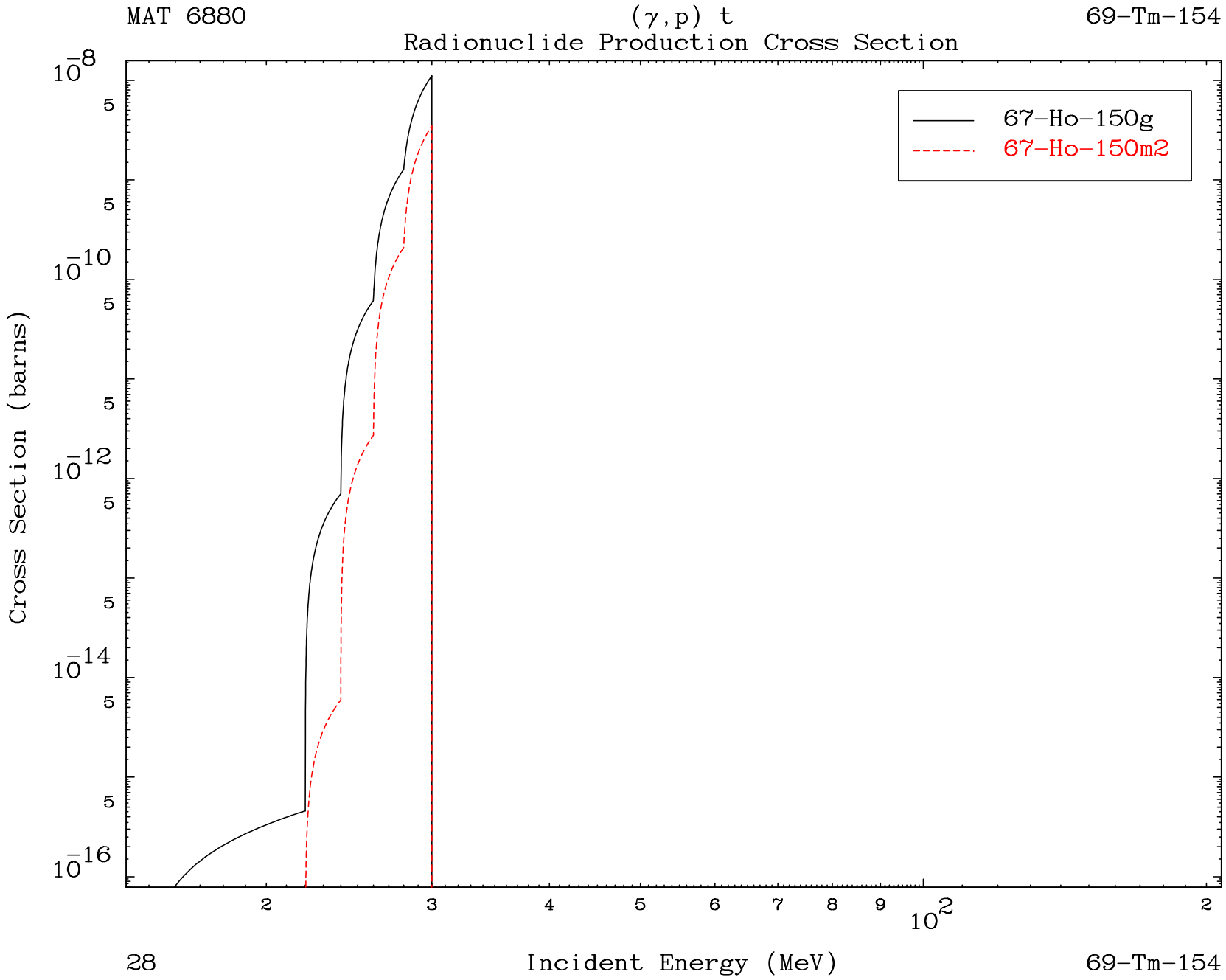

MAT 6880
(γ,α)
69-Tm-154
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m2
Cross Section (barns)
Incident Energy (MeV)
23
69-Tm-154


MAT 6880
(γ,2α)
69-Tm-154
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
Incident Energy (MeV)
24
69-Tm-154


MAT 6880
(γ,2p)
69-Tm-154
Radionuclide Production Cross Section
67-Ho-152g
67-Ho-152m1
Cross Section (barns)
Incident Energy (MeV)
25
69-Tm-154


MAT 6880
(γ,p) α
69-Tm-154
Radionuclide Production Cross Section
66-Dy-149g
66-Dy-149m10
Cross Section (barns)
Incident Energy (MeV)
26
69-Tm-154


MAT 6880
(γ,p) d
69-Tm-154
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
27
Incident Energy (MeV)
69-Tm-154


MAT 6880
(γ,p) t
69-Tm-154
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m2
Cross Section (barns)
10-8
5
10-10
5
10-12
5
10-14
5
10-16
5
2
3
4
5
6
7
8
9
10 2
2
28
Incident Energy (MeV)
69-Tm-154