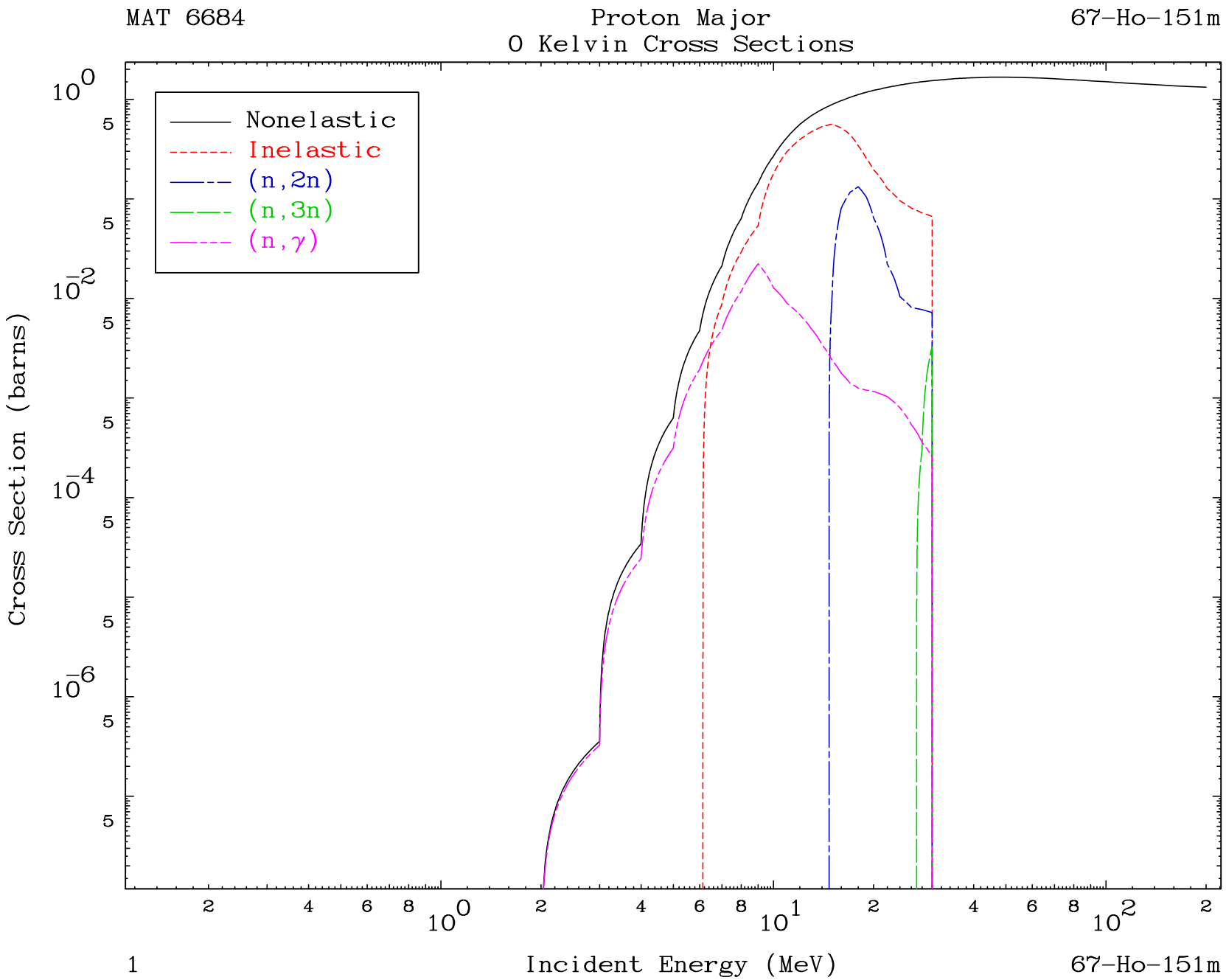
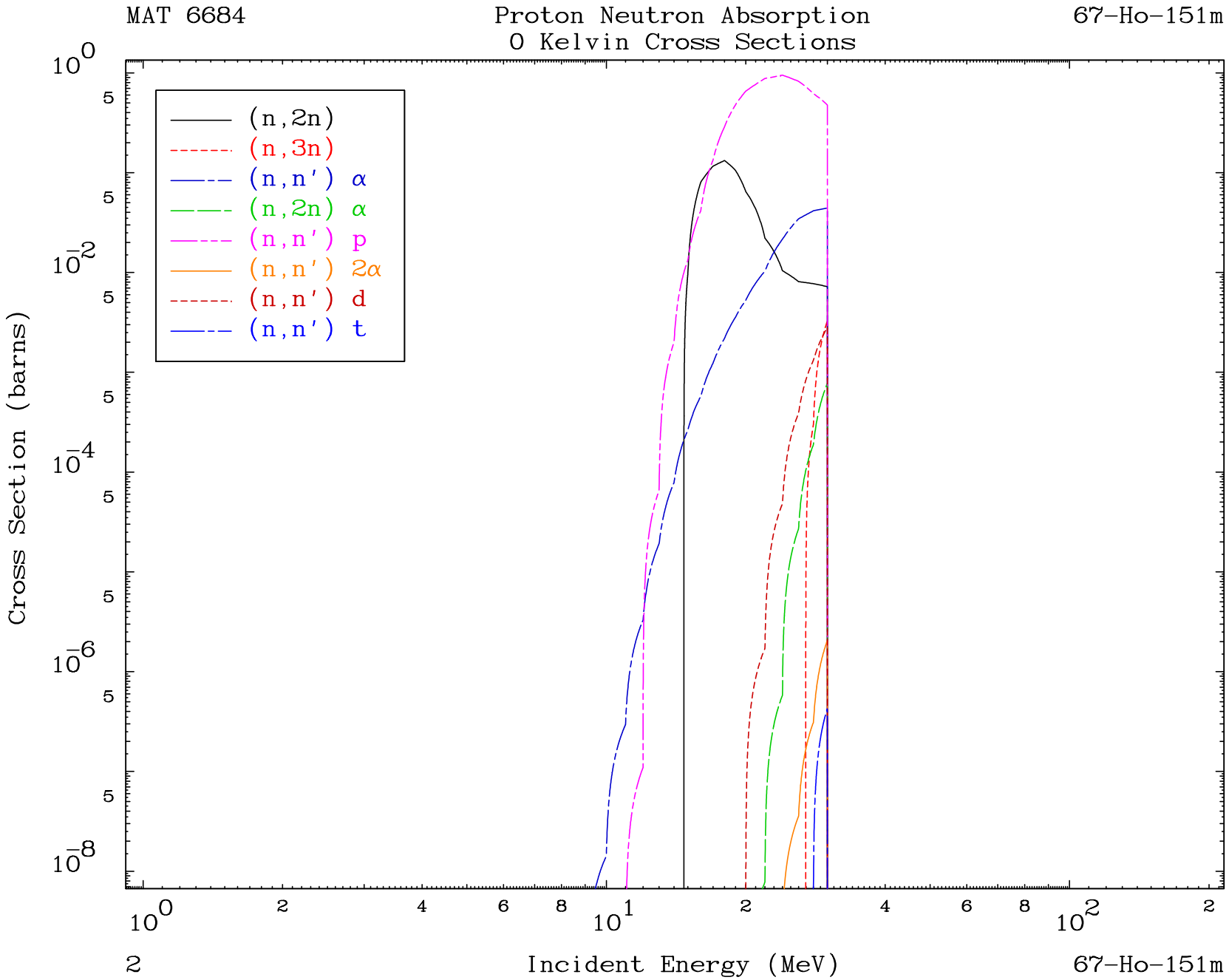
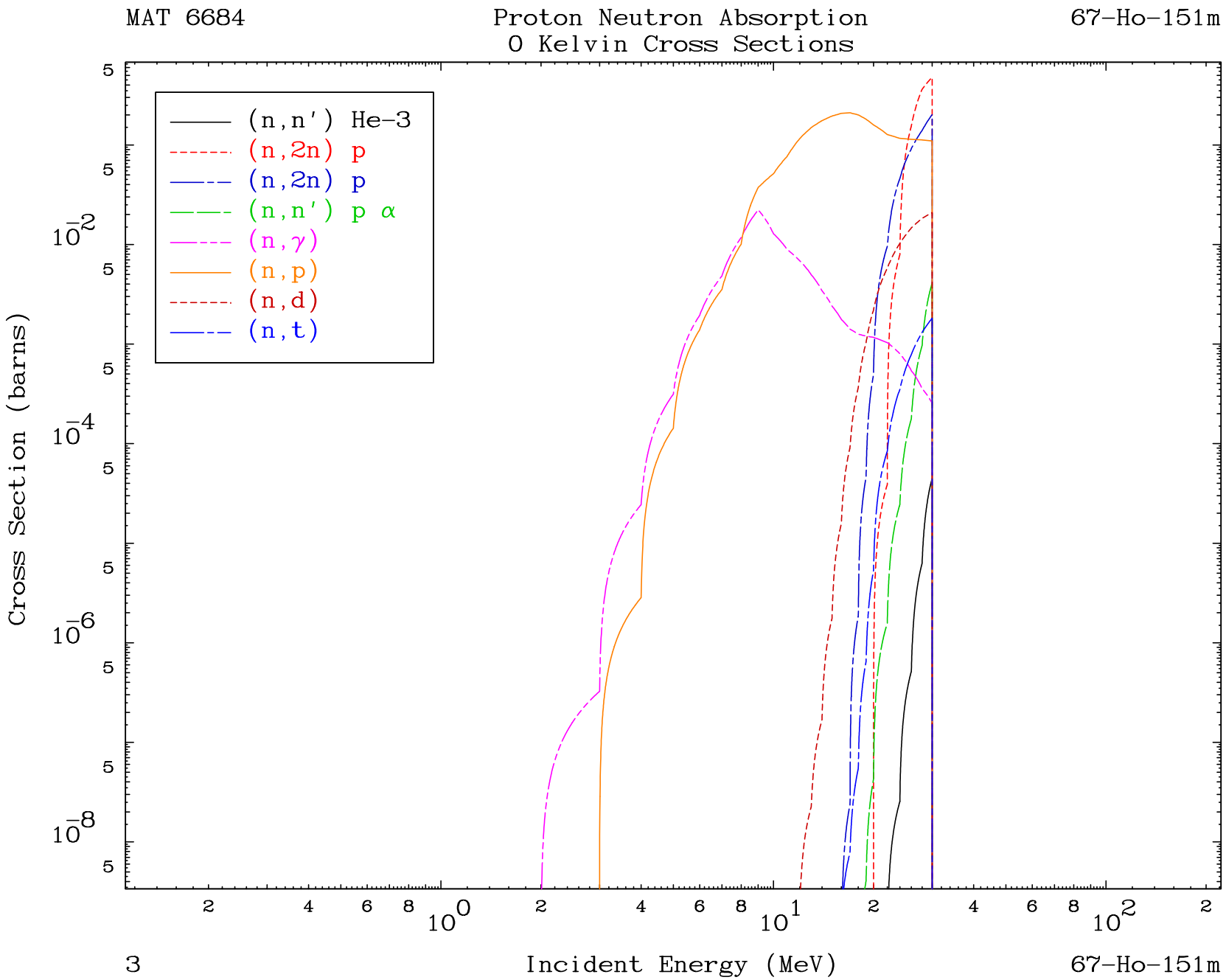
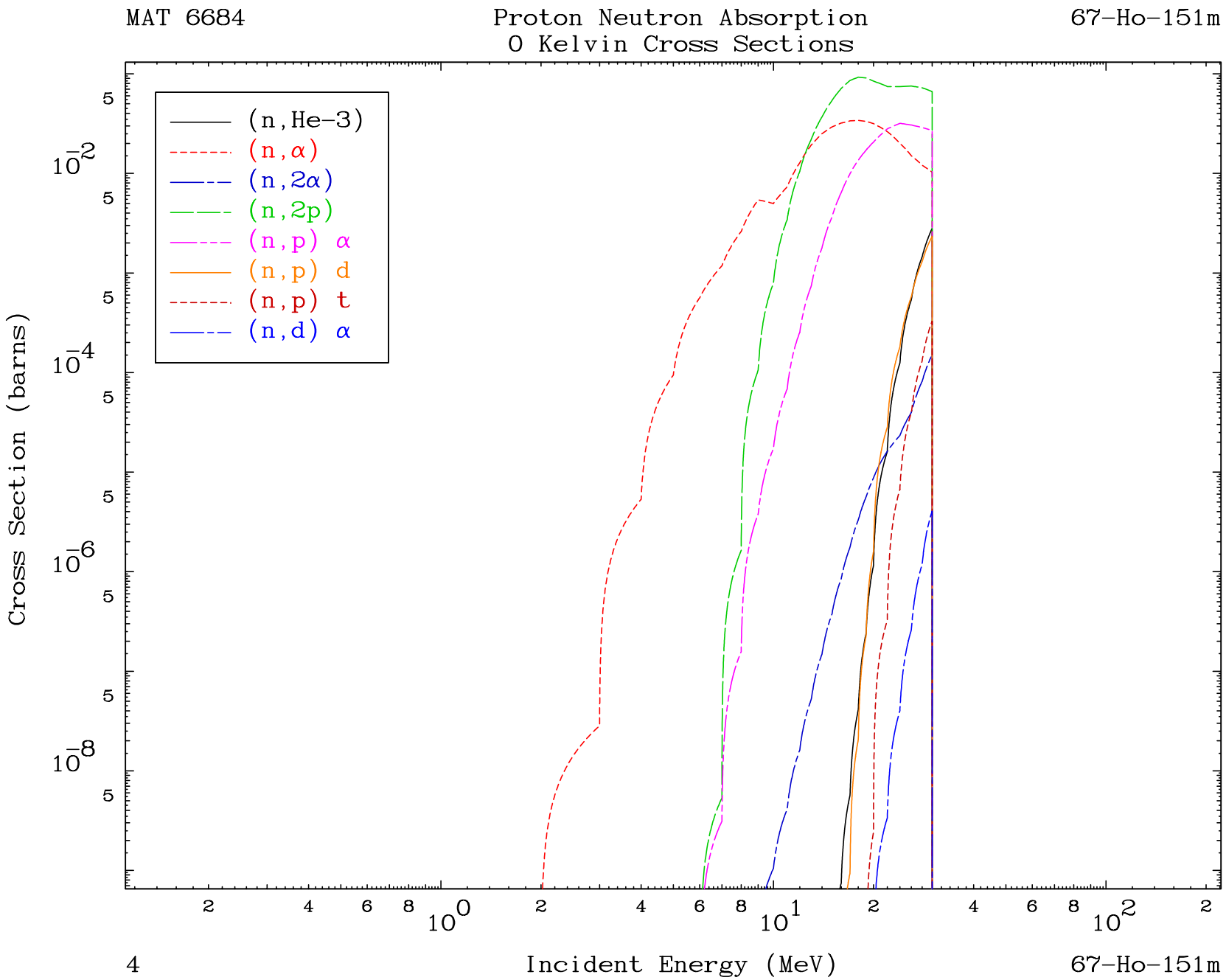
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

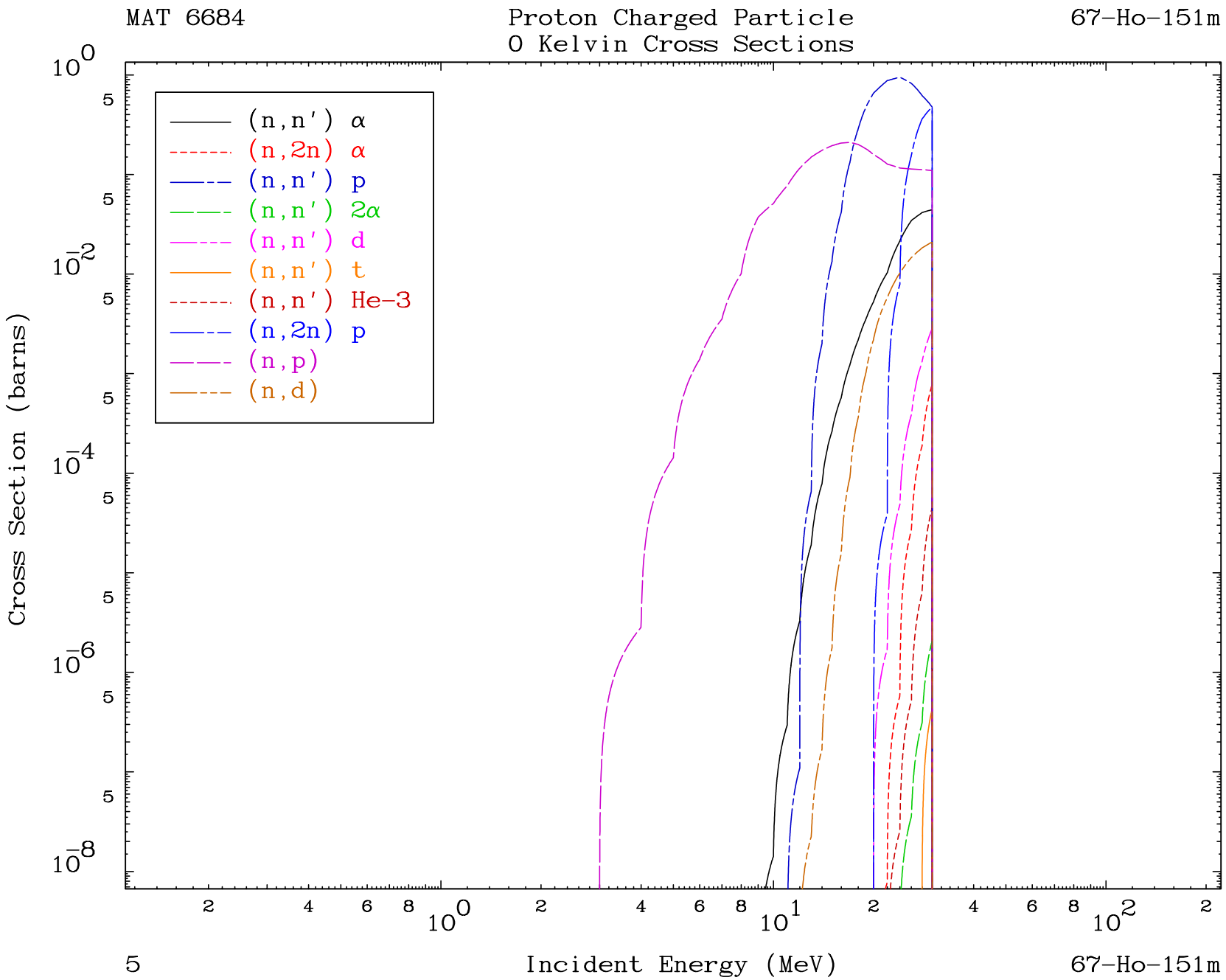
Press Mouse Button to Start

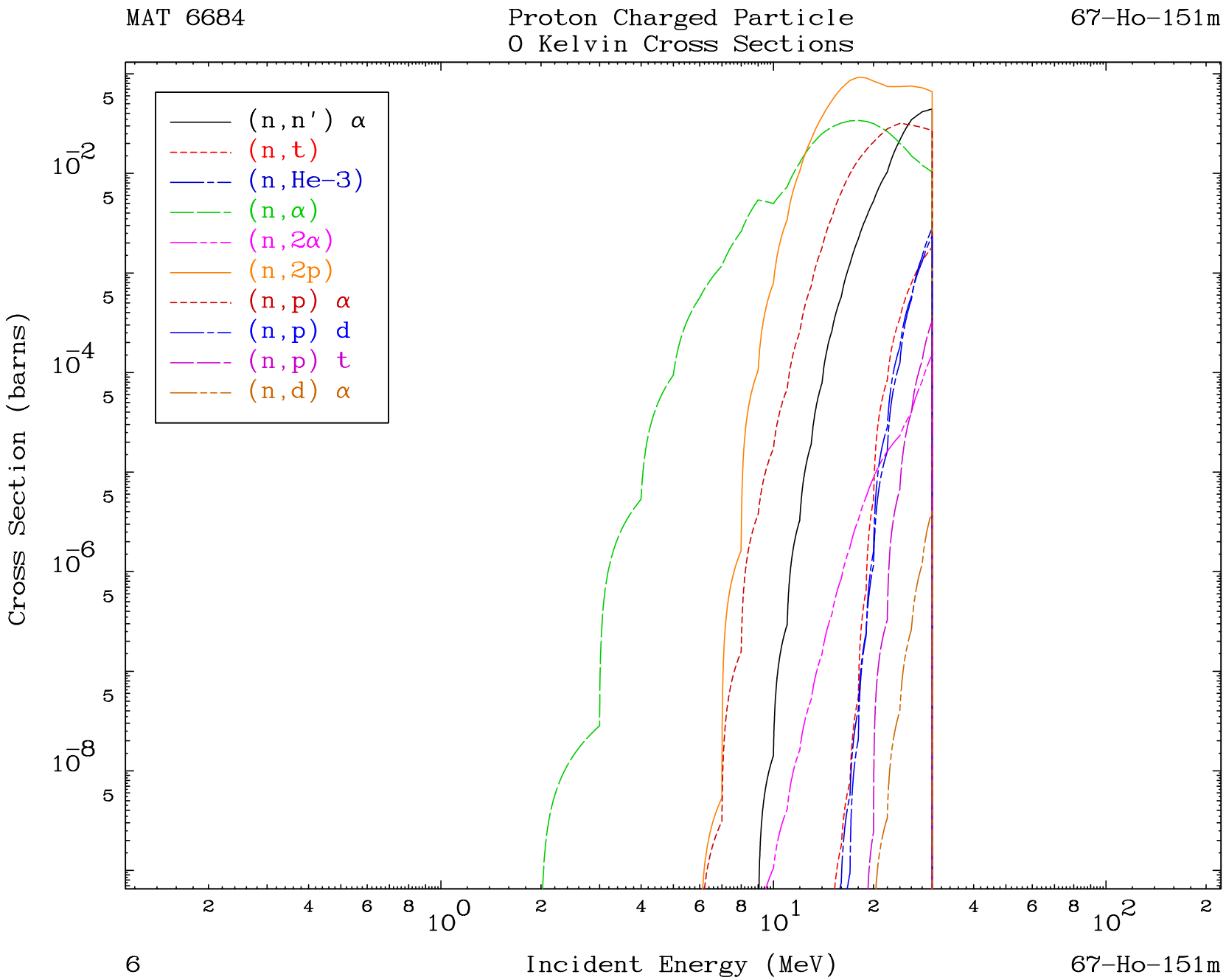

MAT 6684
Proton Major
67-Ho-151m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
67-Ho-151m

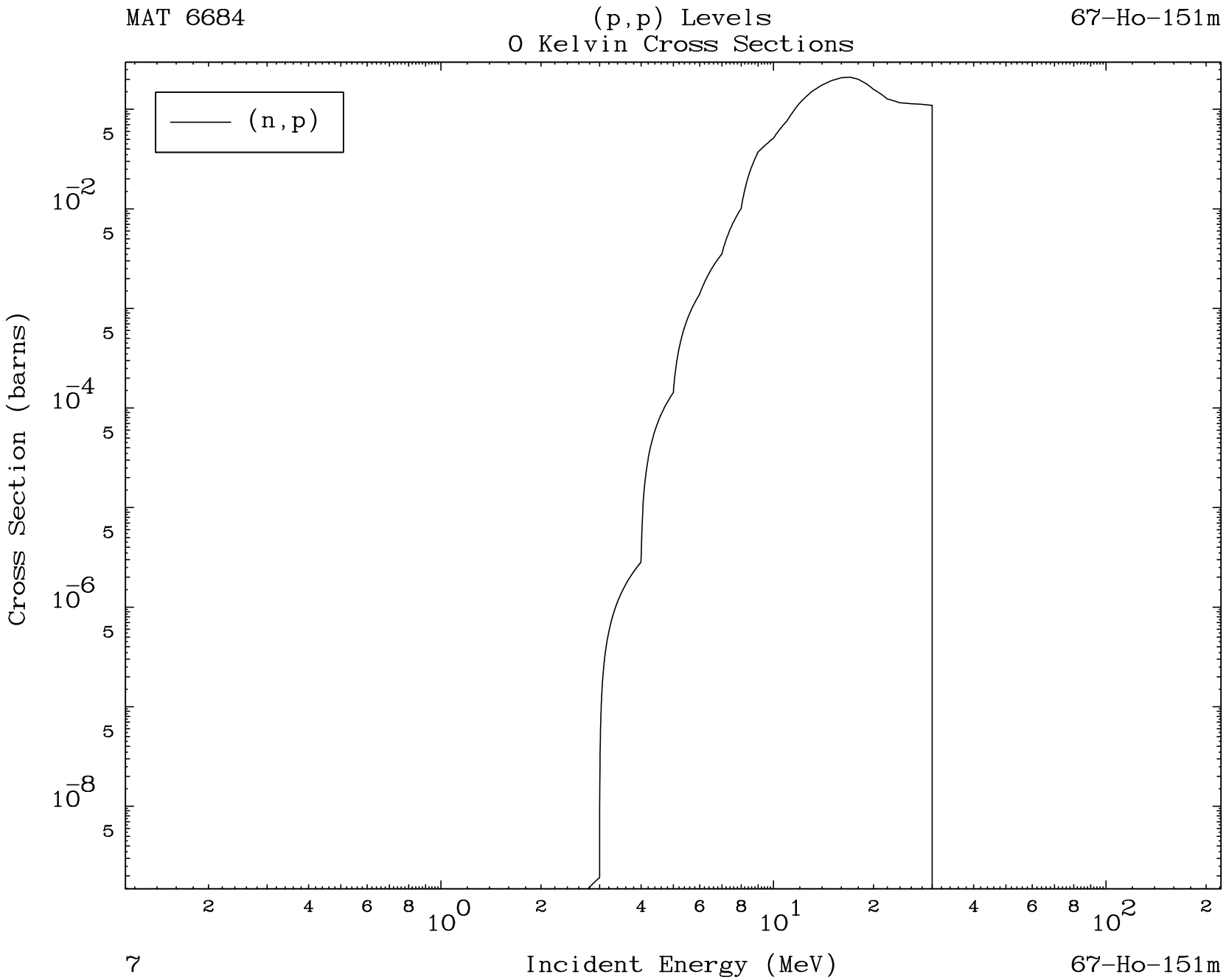

MAT 6684
Proton Neutron Absorption
0 Kelvin Cross Sections
67-Ho-151m
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
67-Ho-151m

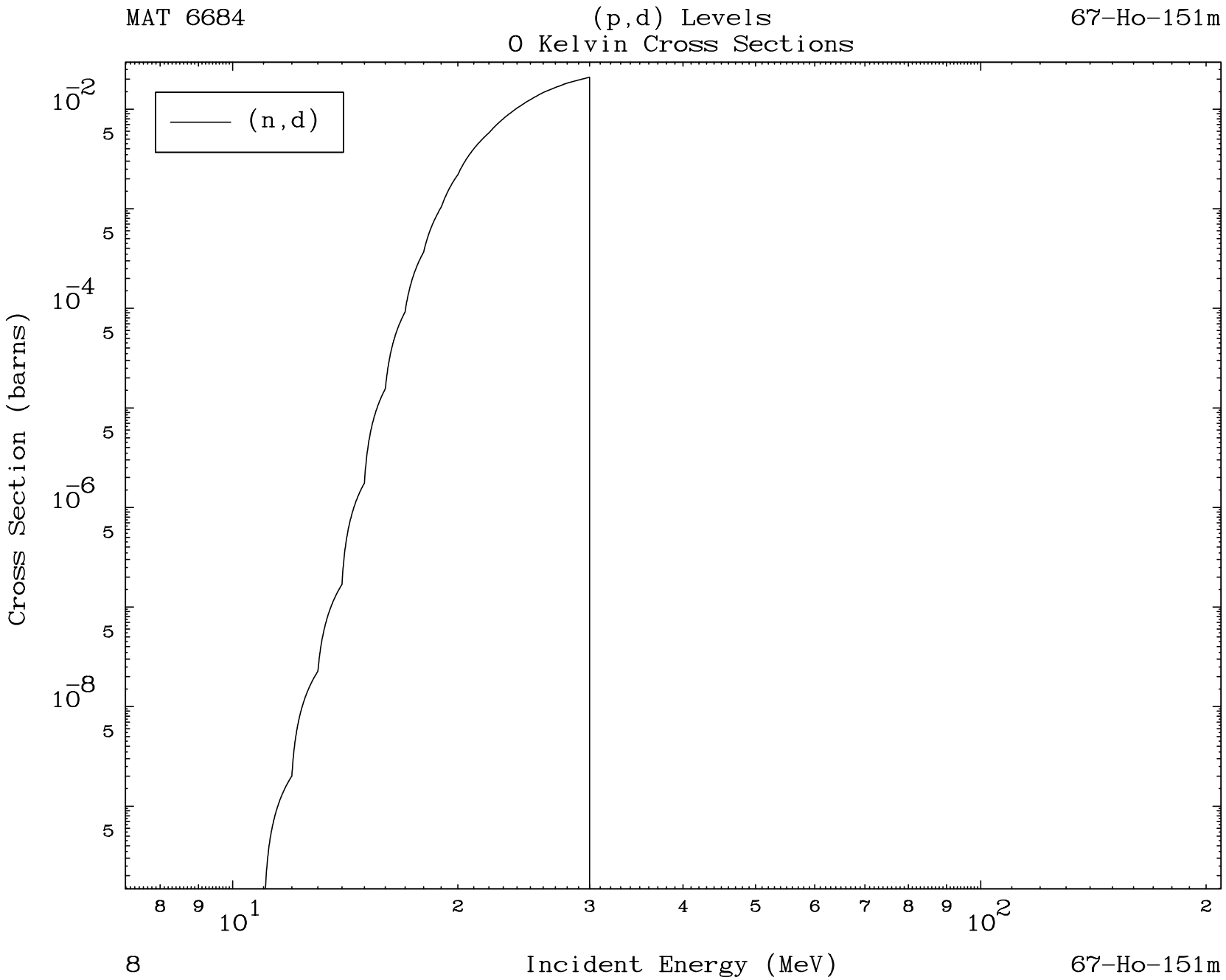

MAT 6684
Proton Neutron Absorption
0 Kelvin Cross Sections
67-Ho-151m
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
67-Ho-151m

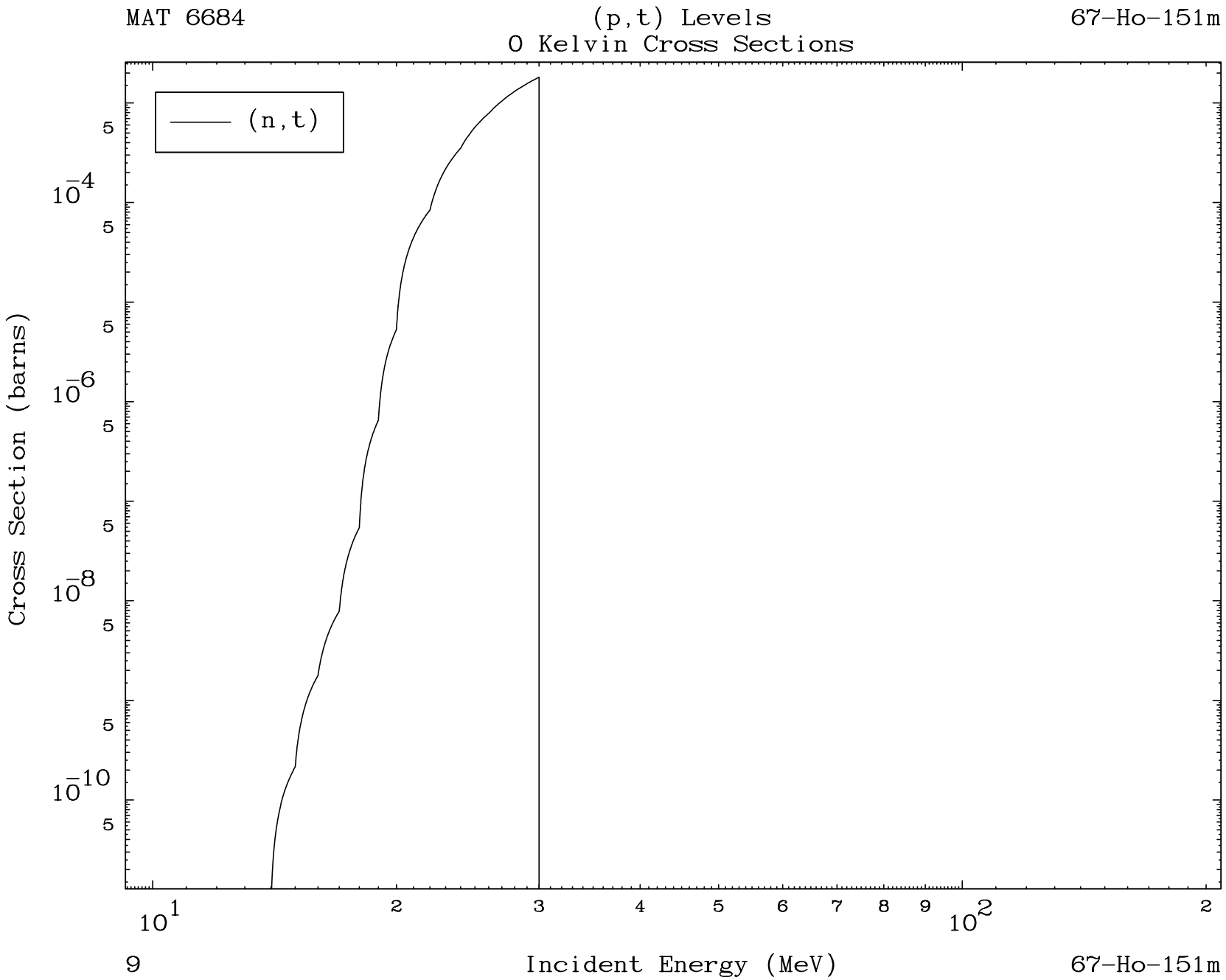

MAT 6684
Proton Neutron Absorption
0 Kelvin Cross Sections
67-Ho-151m
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
67-Ho-151m

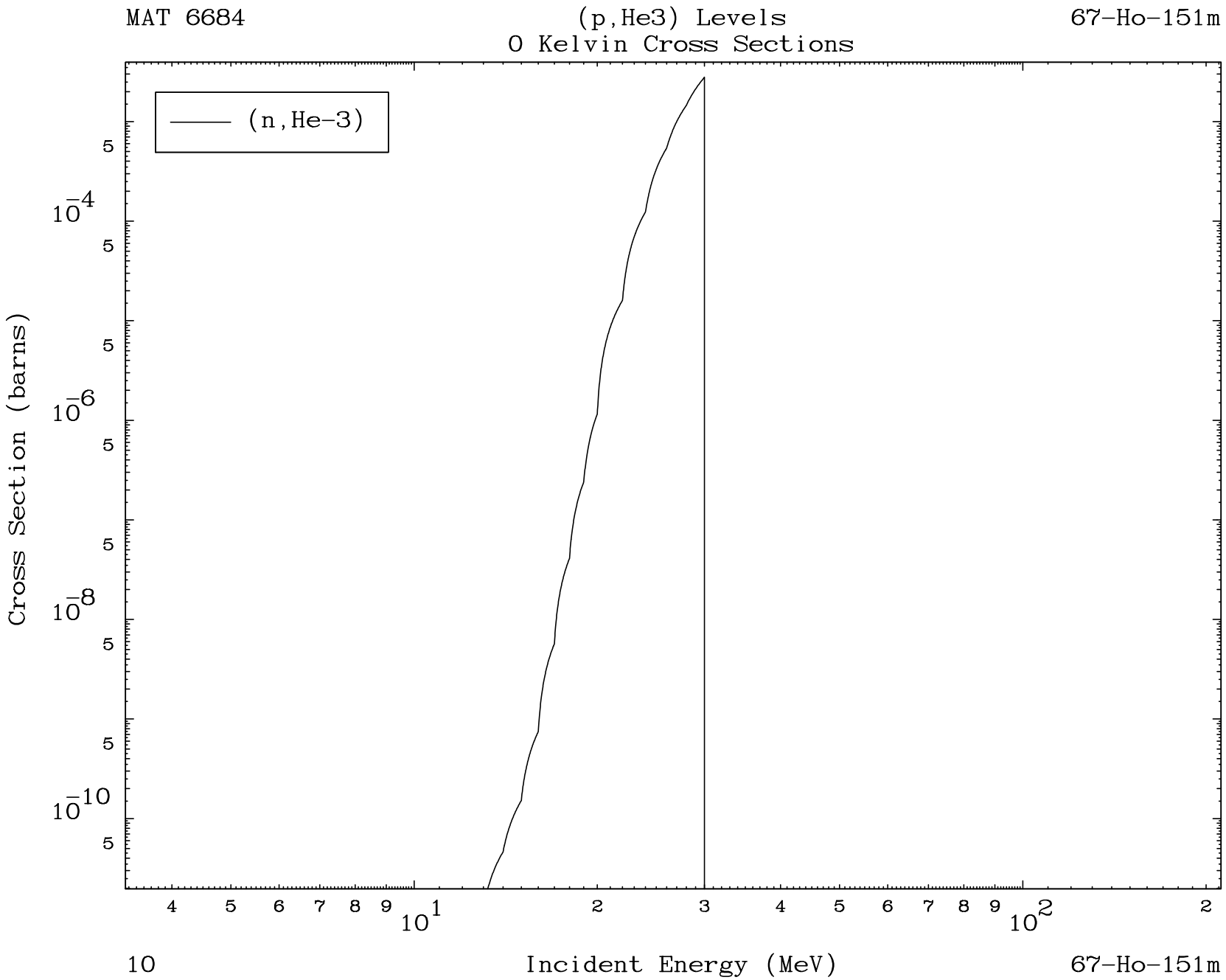

MAT 6684
Proton Charged Particle
0 Kelvin Cross Sections
67-Ho-151m
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
67-Ho-151m
5

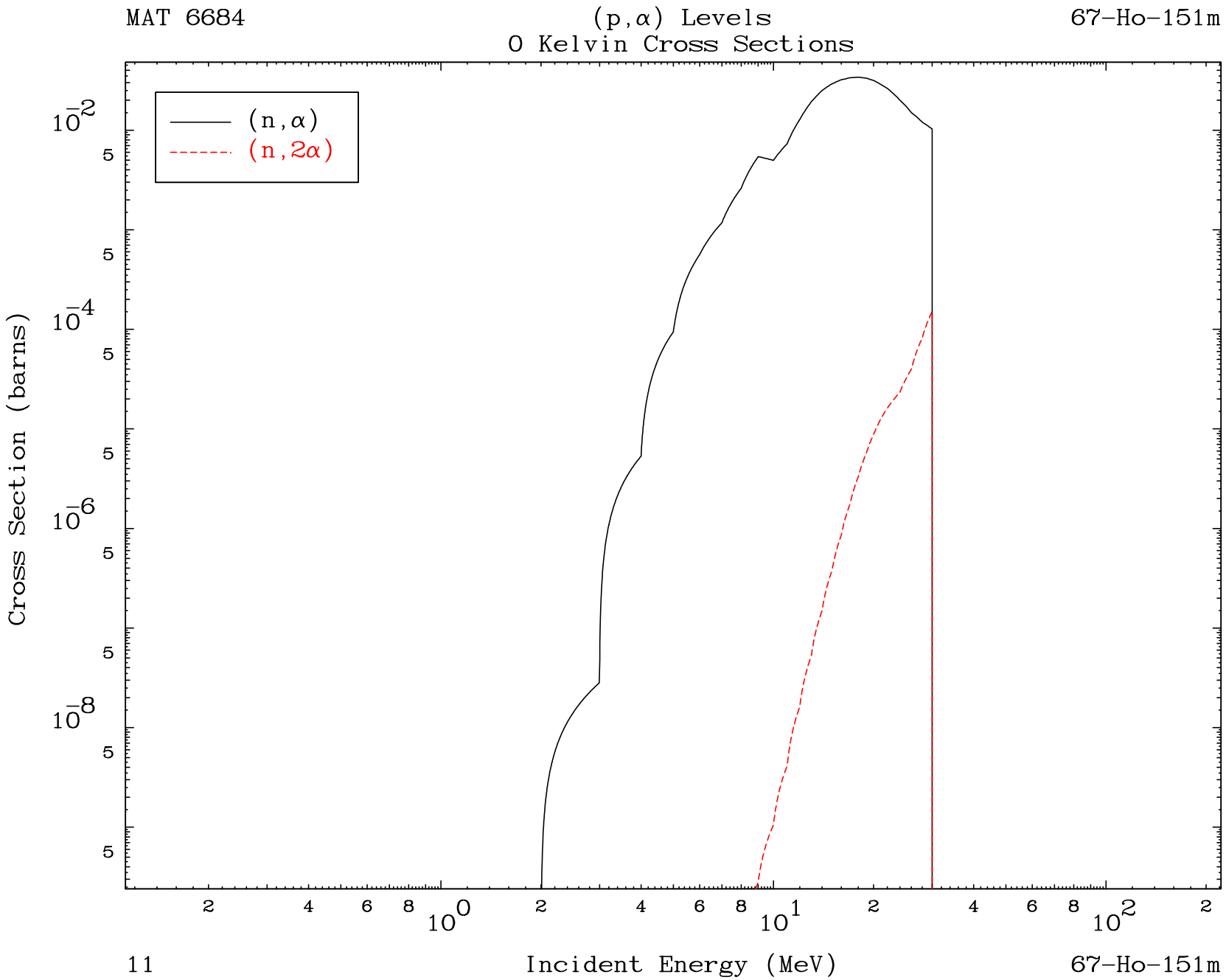

MAT 6684
Proton Charged Particle
0 Kelvin Cross Sections
67-Ho-151m
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
67-Ho-151m

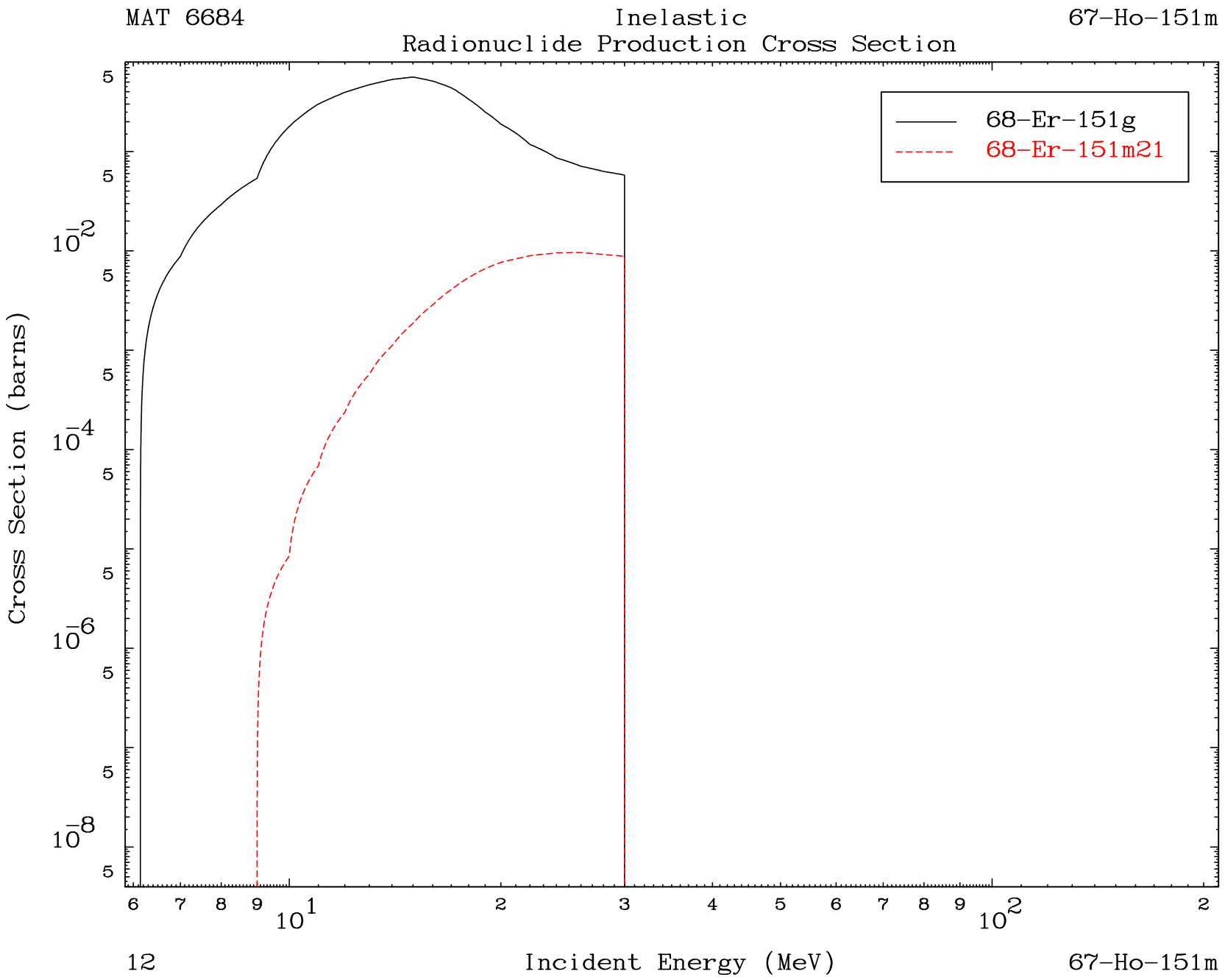

MAT 6684
(p,p) Levels
67-Ho-151m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
67-Ho-151m

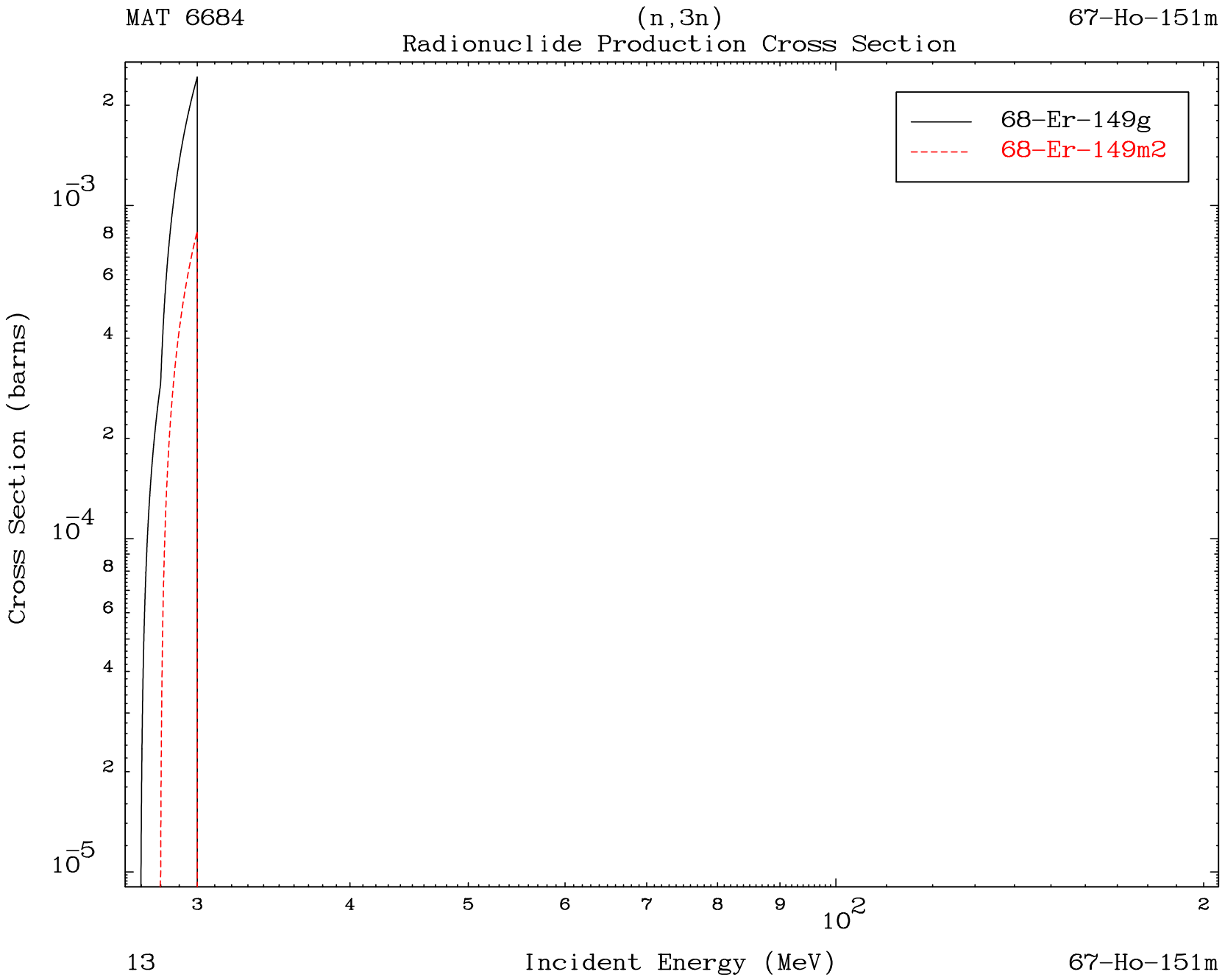

MAT 6684
(p,d) Levels
67-Ho-151m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
67-Ho-151m
8

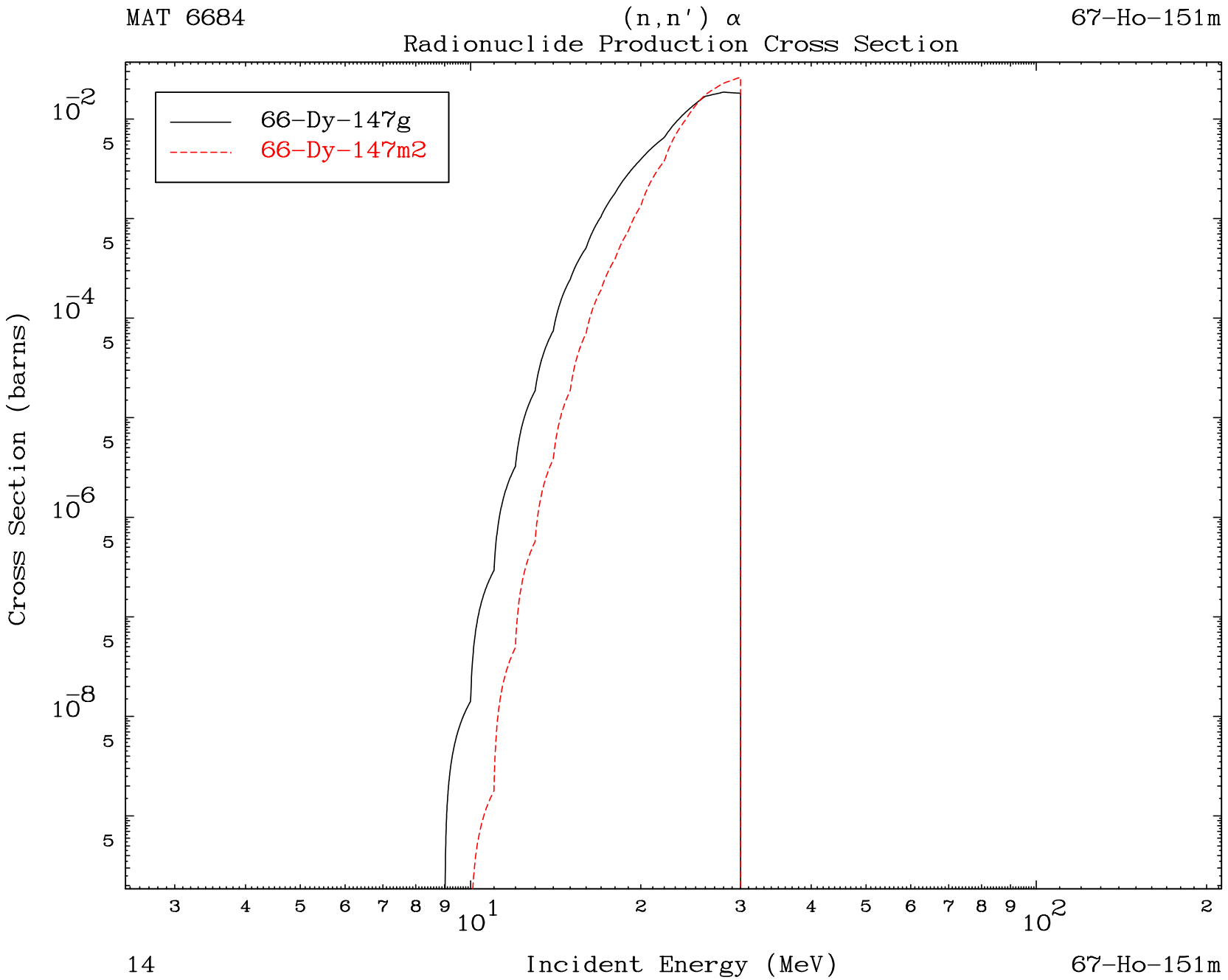

MAT 6684
(p,t) Levels
67-Ho-151m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
9
67-Ho-151m

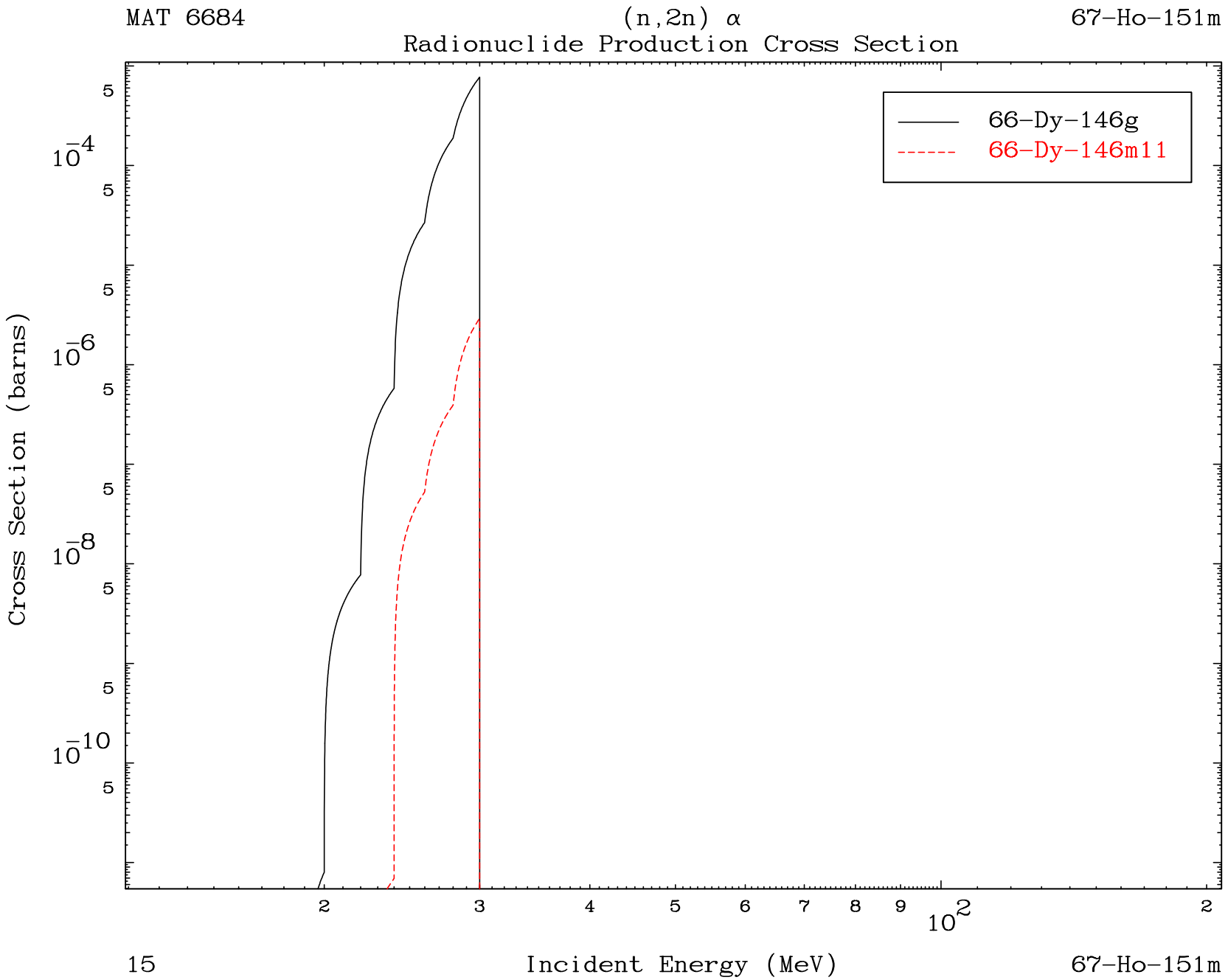

MAT 6684
(p,He3) Levels
67-Ho-151m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
67-Ho-151m

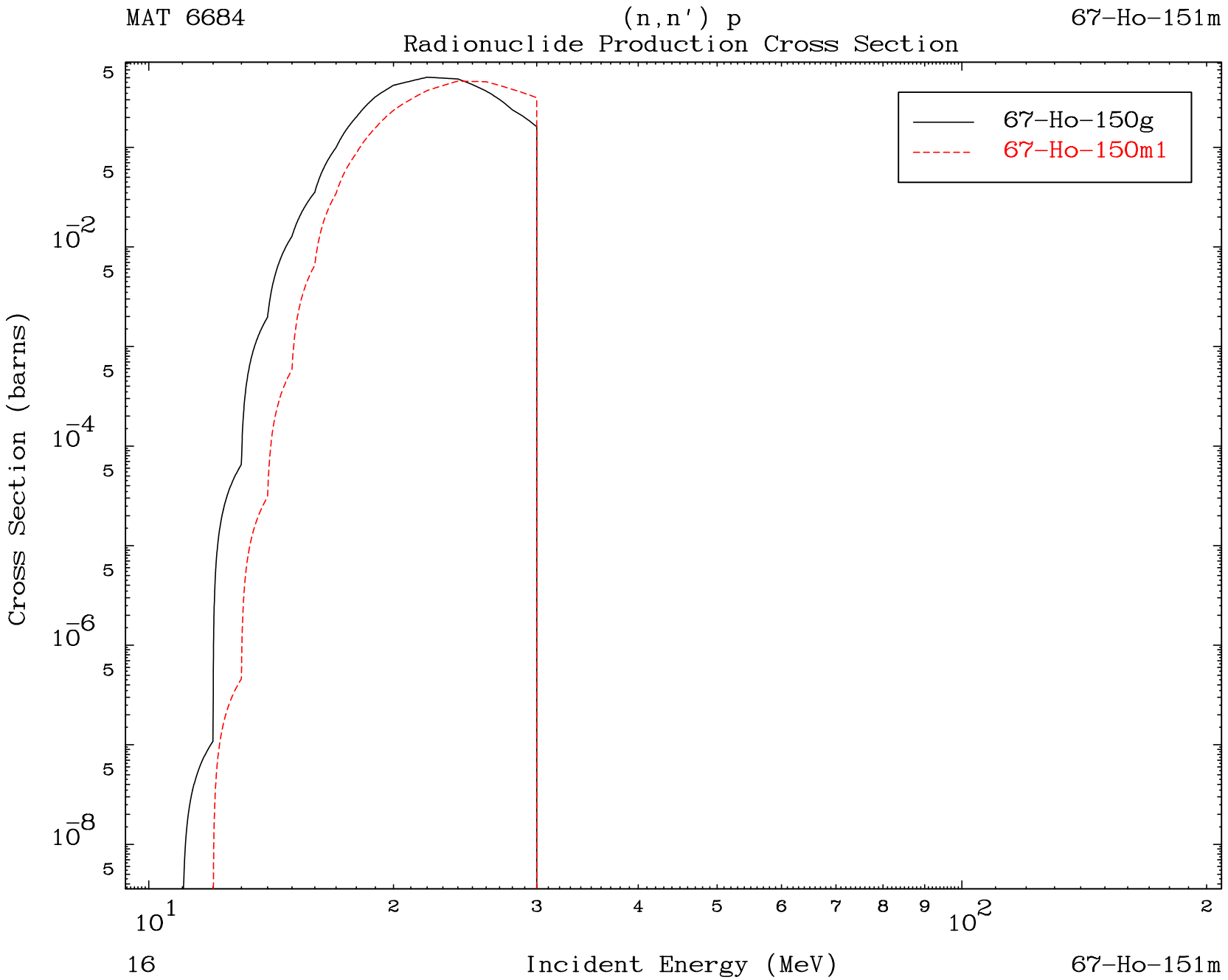

MAT 6684
(p,α) Levels
67-Ho-151m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
67-Ho-151m

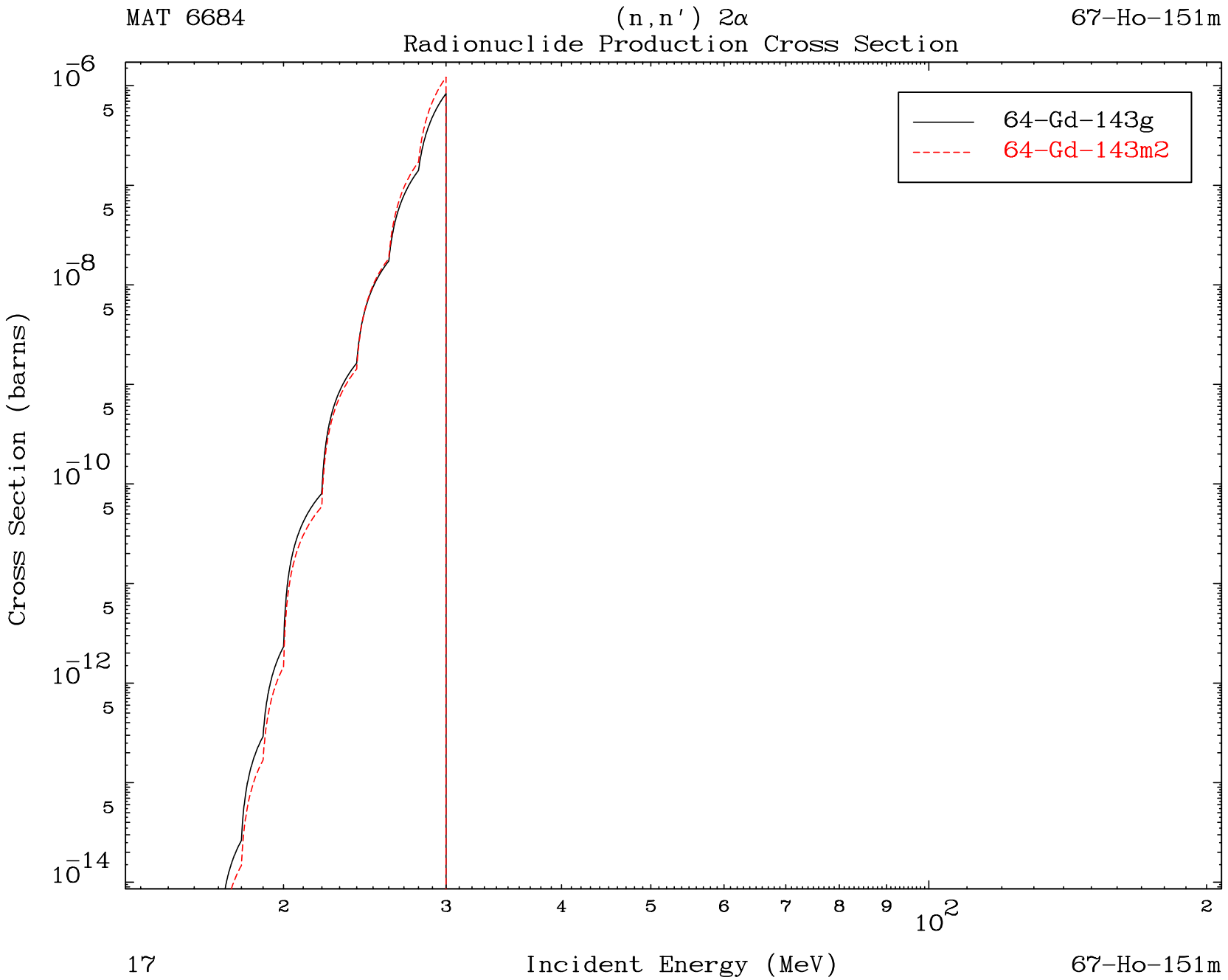

MAT 6684
Inelastic
67-Ho-151m
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m21
Cross Section (barns)
Incident Energy (MeV)
12
67-Ho-151m

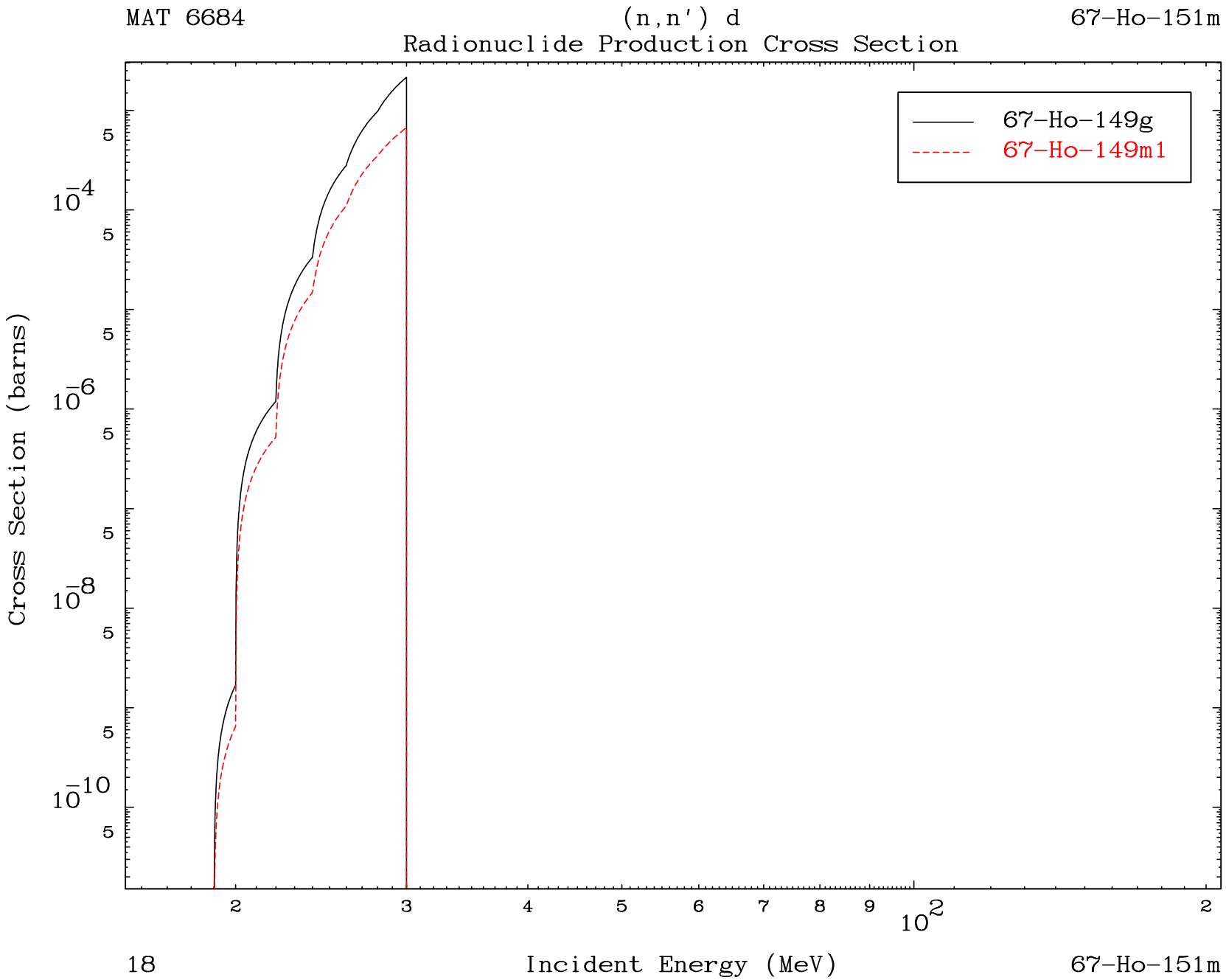

MAT 6684
(n,3n)
67-Ho-151m
Radionuclide Production Cross Section
68-Er-149g
68-Er-149m2
Cross Section (barns)
10-3
10-4
10-5
2
8
6
4
2
8
6
4
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
67-Ho-151m

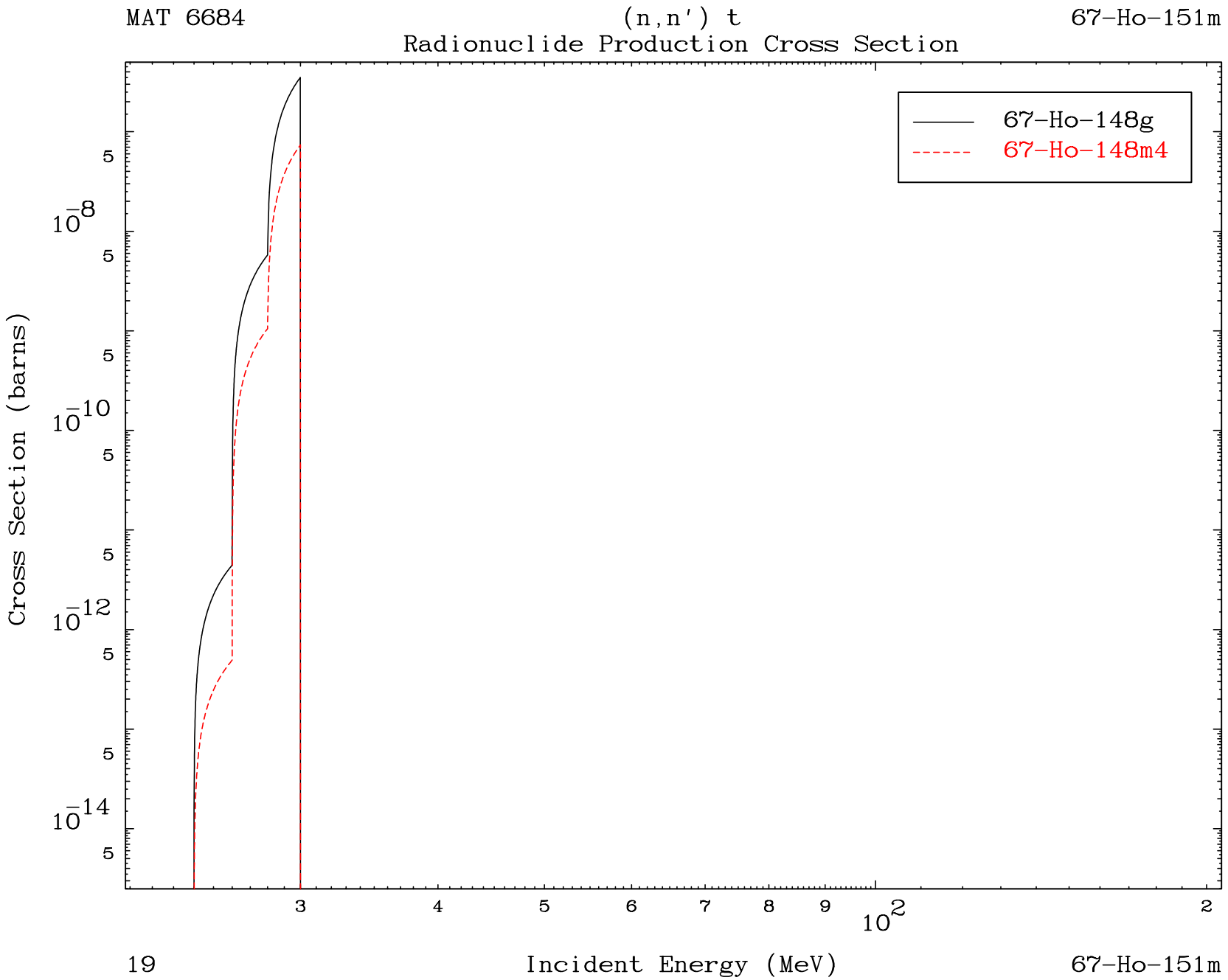

MAT 6684
(n,n') α
67-Ho-151m
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
14
67-Ho-151m

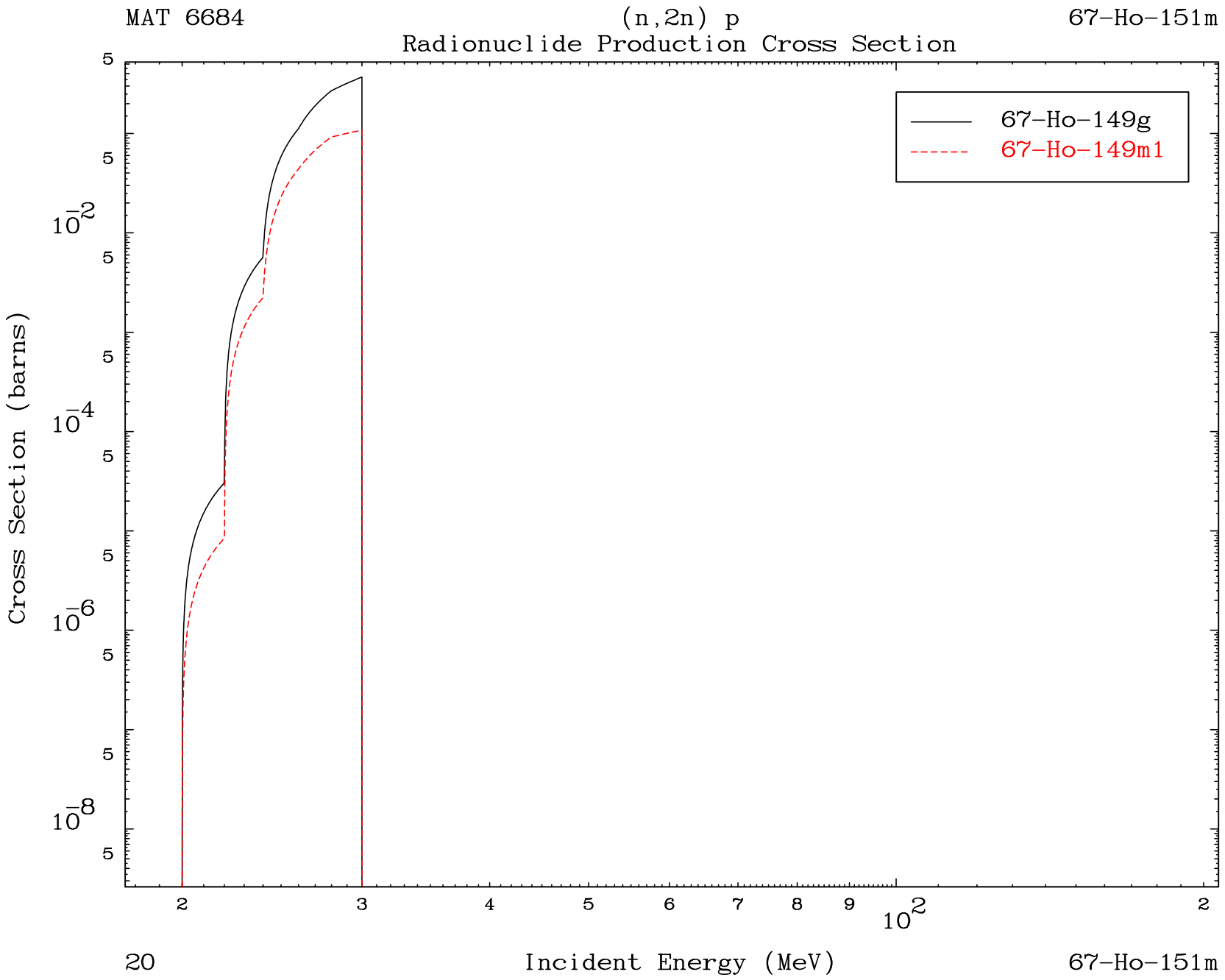

MAT 6684
(n,2n) α
67-Ho-151m
Radionuclide Production Cross Section
66-Dy-146g
66-Dy-146m11
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
67-Ho-151m

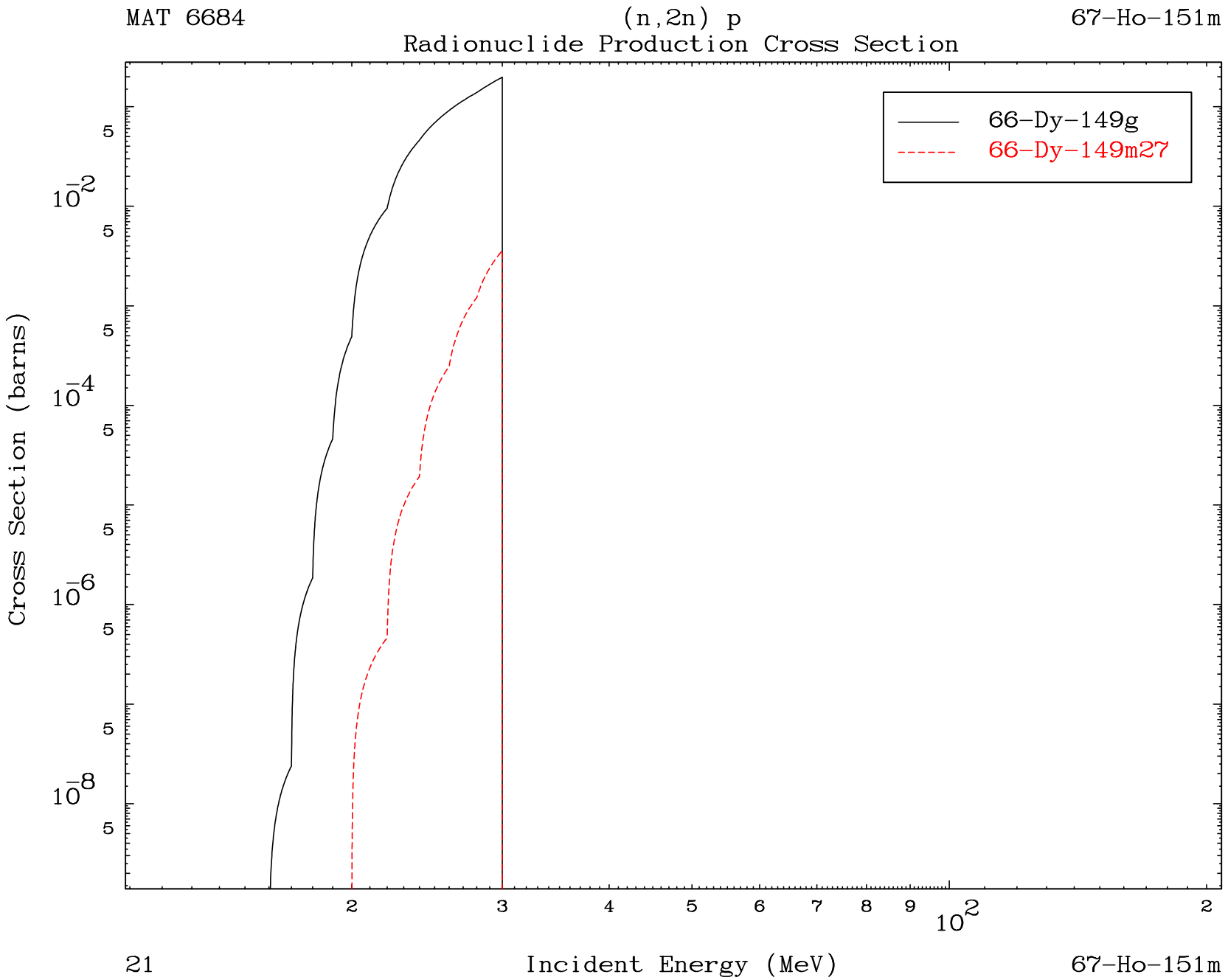

MAT 6684
(n,n') p
67-Ho-151m
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
Cross Section (barns)
Incident Energy (MeV)
16
67-Ho-151m

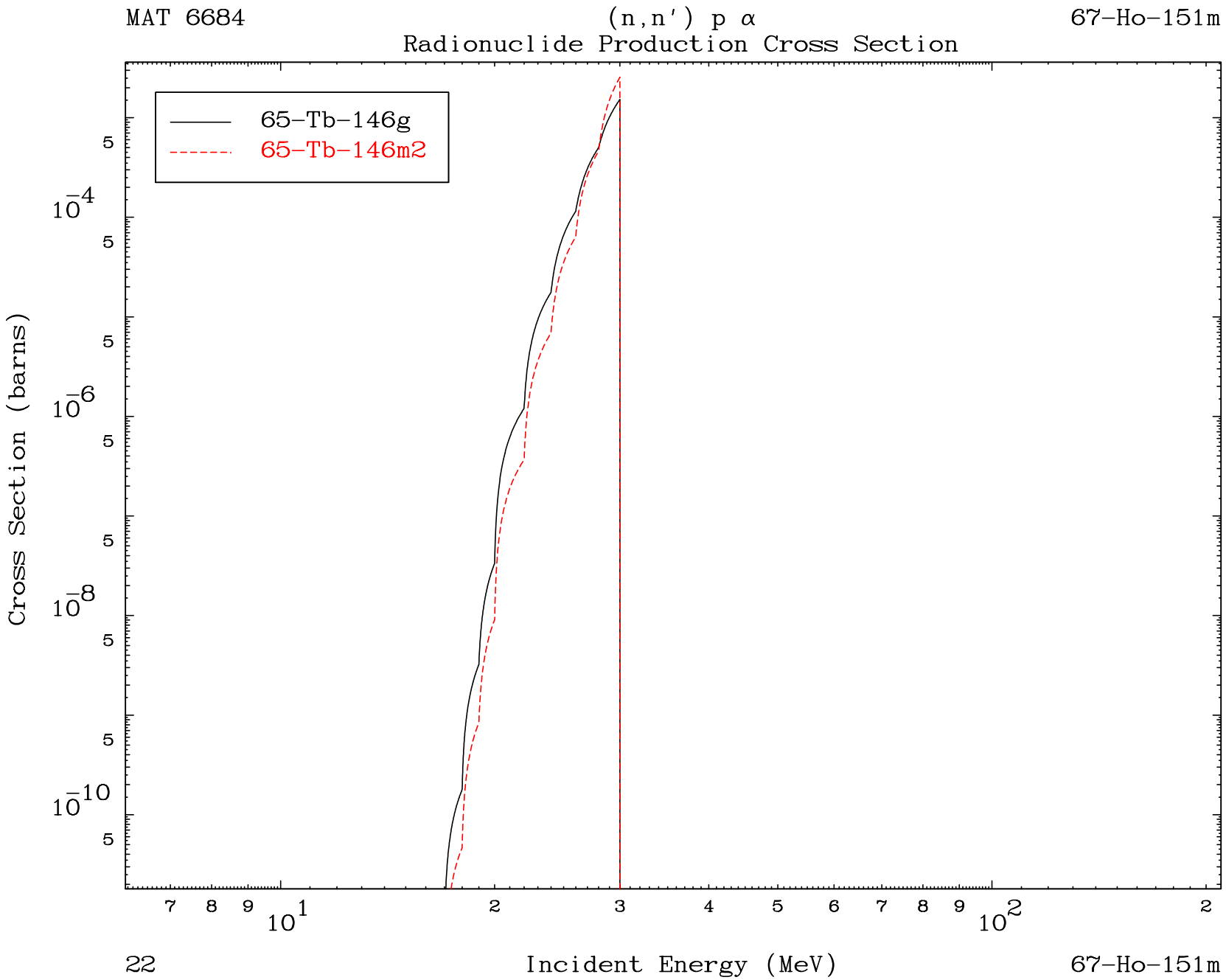

MAT 6684
(n,n') 2α
67-Ho-151m
Radionuclide Production Cross Section
64-Gd-143g
64-Gd-143m2
Cross Section (barns)
Incident Energy (MeV)
17
67-Ho-151m

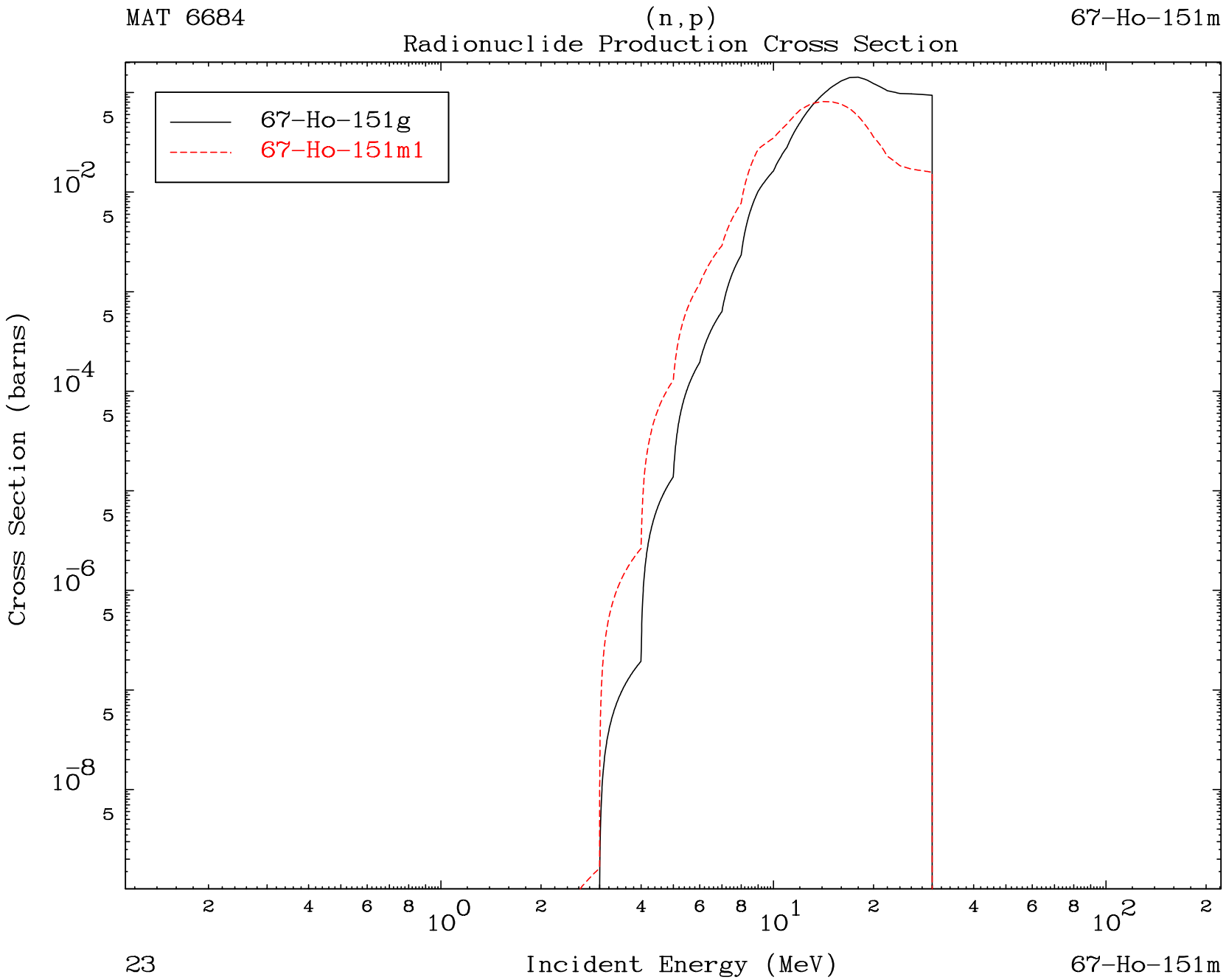

MAT 6684
(n,n') d
67-Ho-151m
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
67-Ho-151m

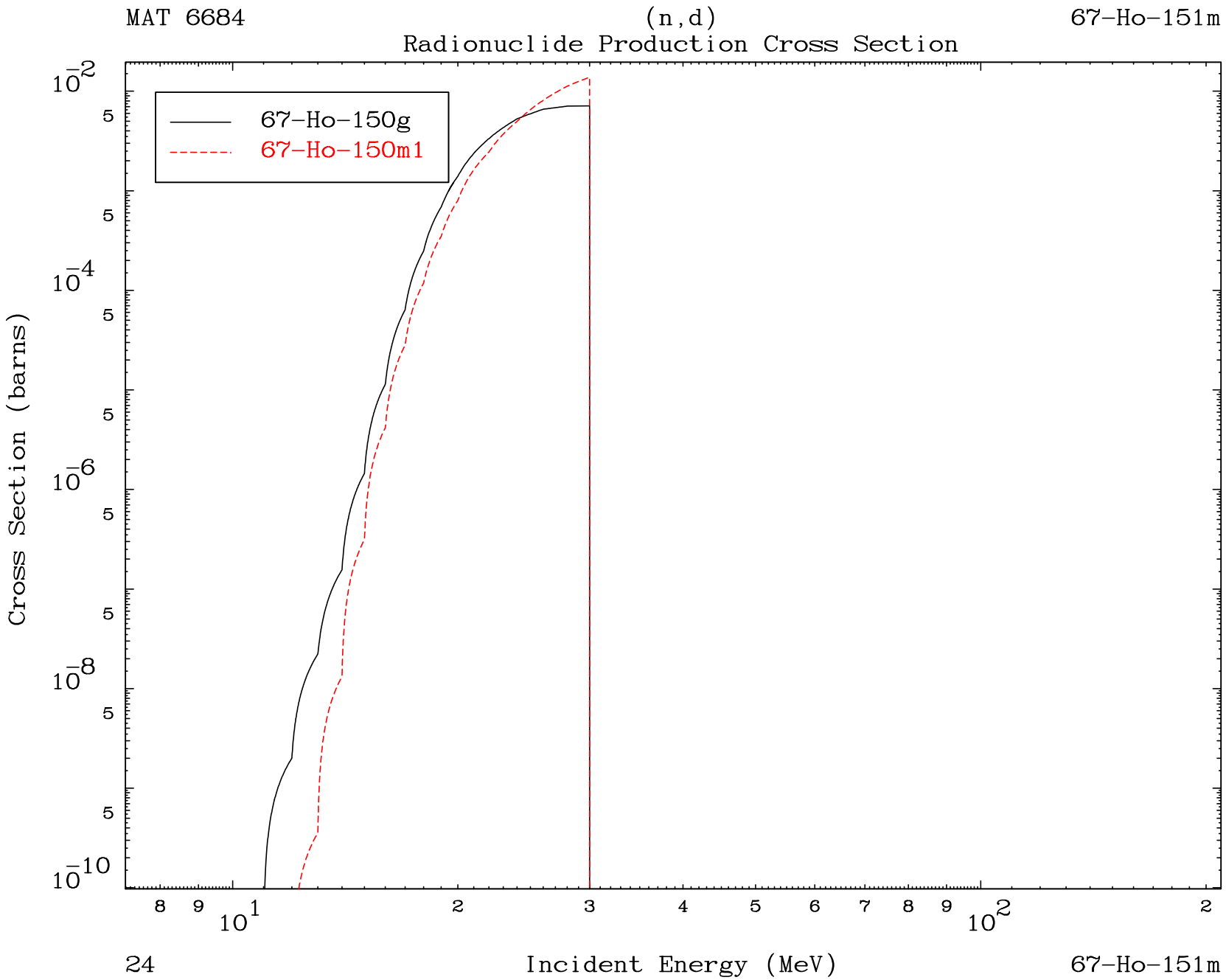

MAT 6684
(n,n') t
67-Ho-151m
Radionuclide Production Cross Section
67-Ho-148g
67-Ho-148m4
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
67-Ho-151m

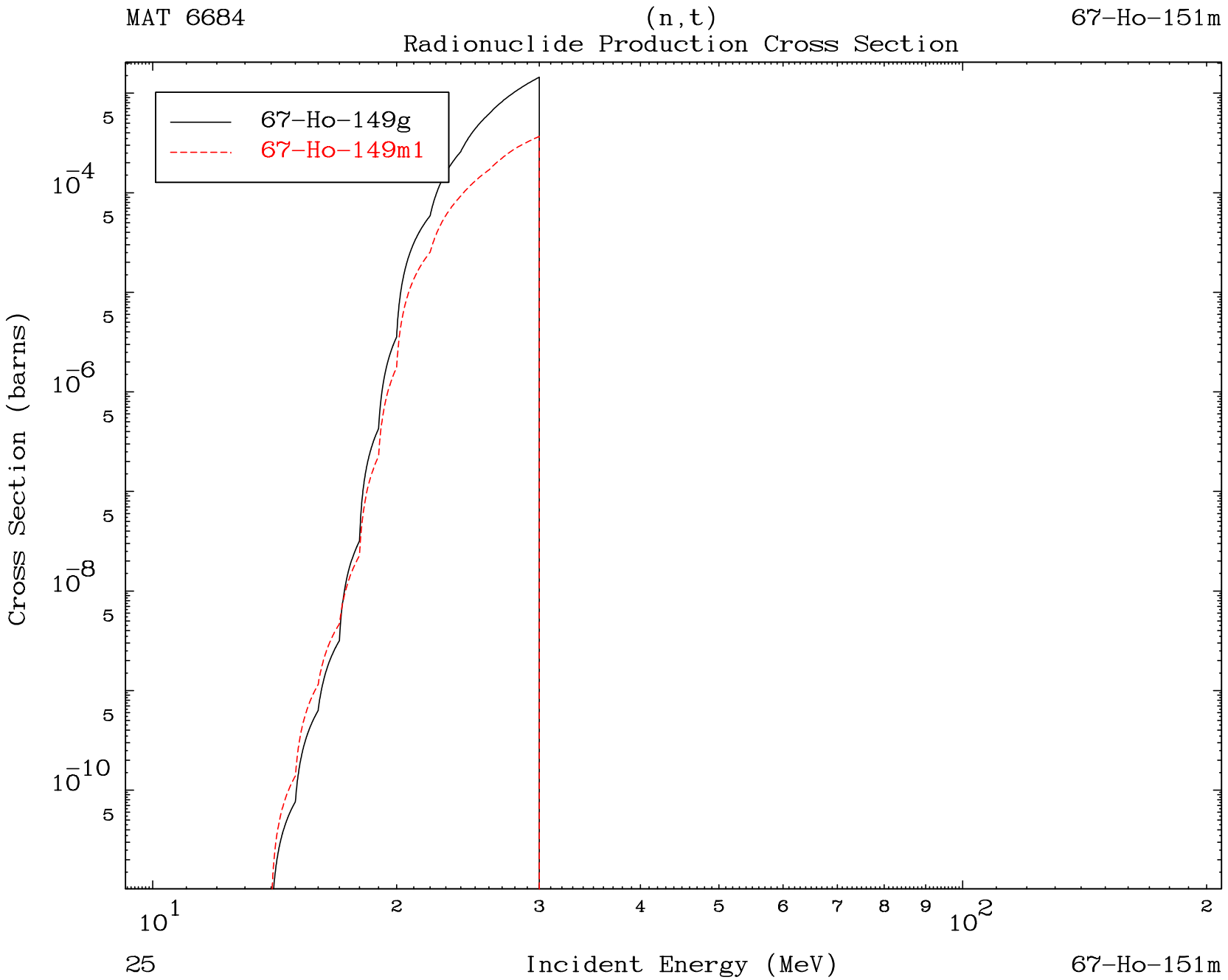

MAT 6684
(n,2n) p
67-Ho-151m
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
Incident Energy (MeV)
20
67-Ho-151m

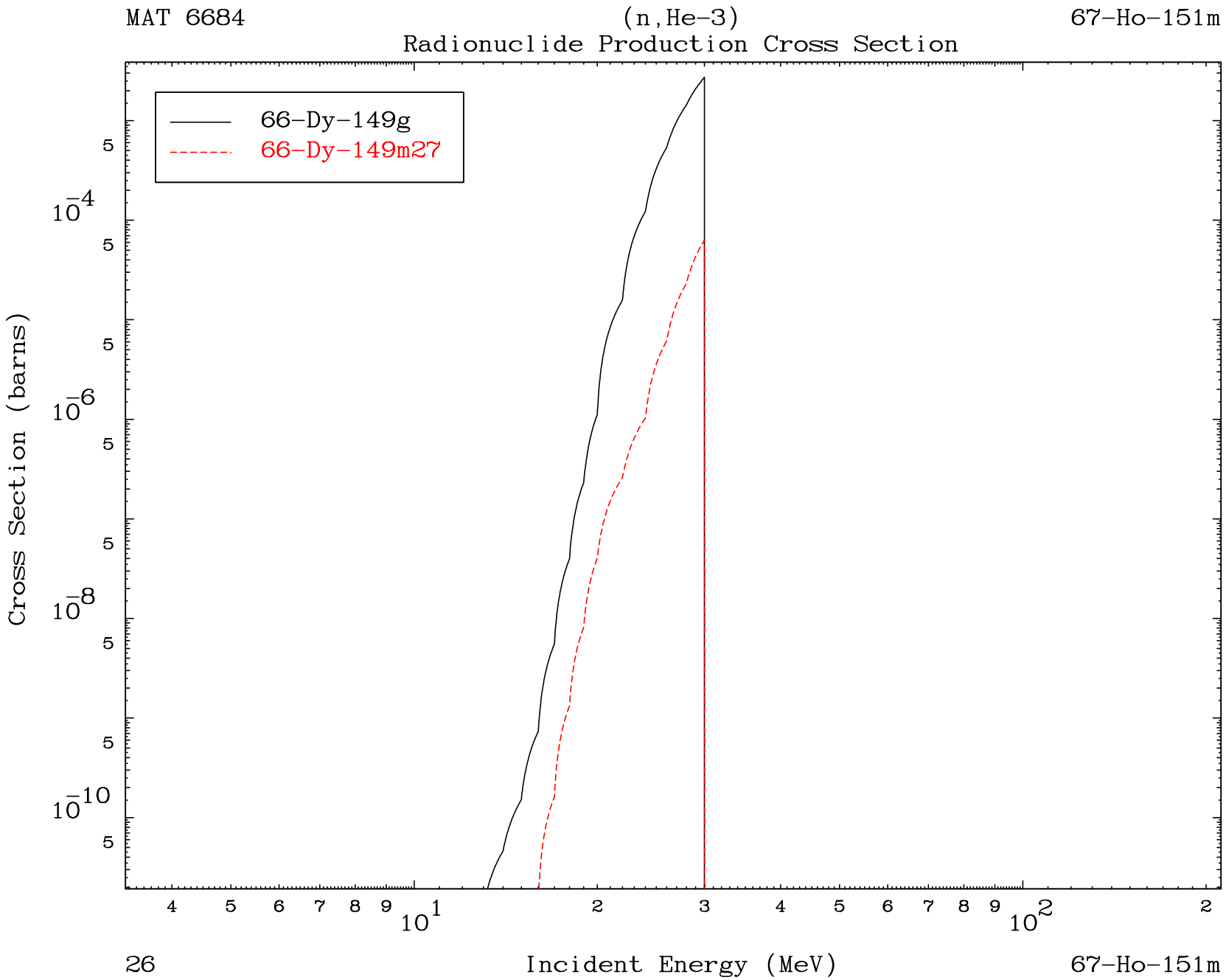

MAT 6684
(n,2n) p
67-Ho-151m
Radionuclide Production Cross Section
66-Dy-149g
66-Dy-149m27
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
67-Ho-151m

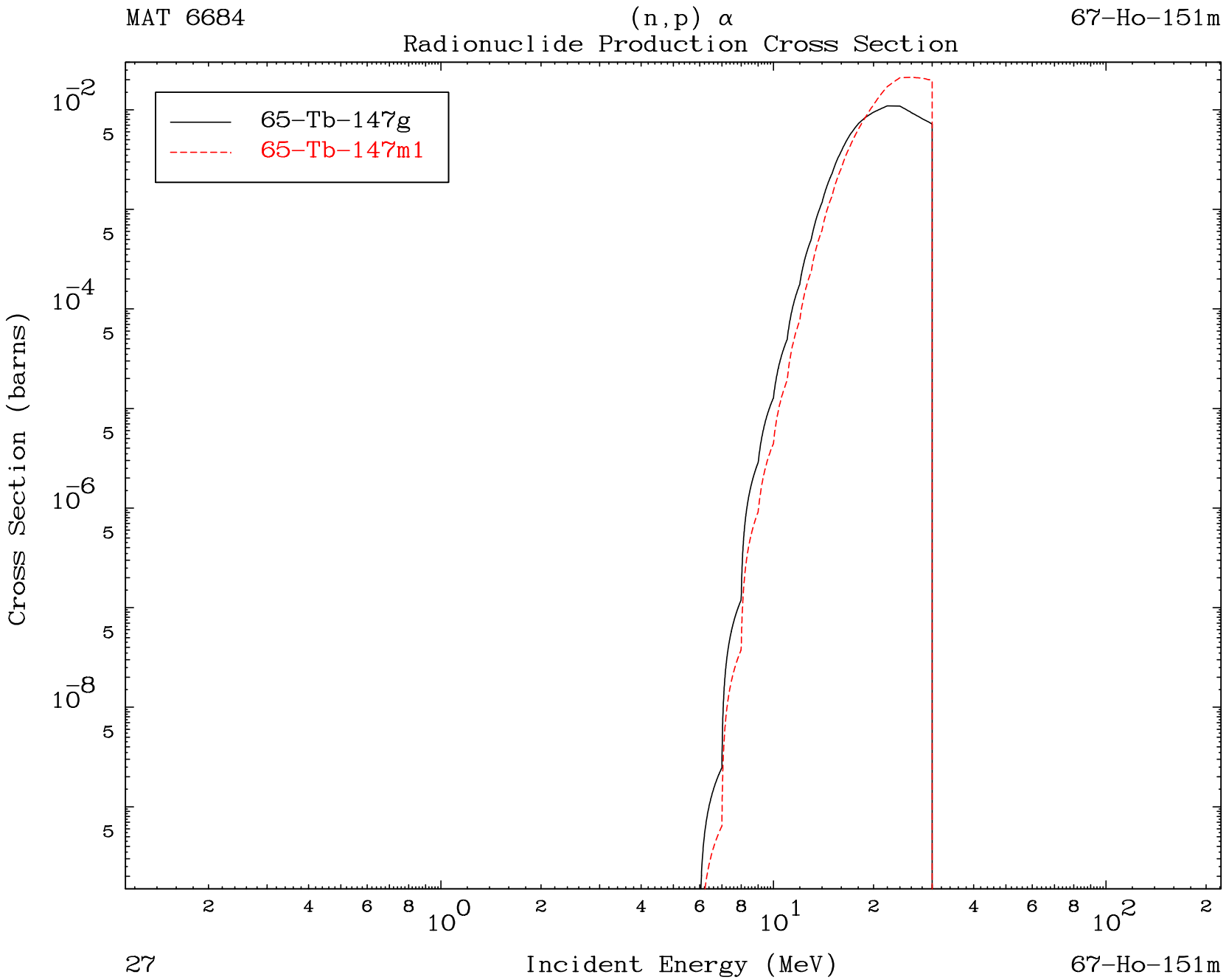

MAT 6684
(n,n') p α
67-Ho-151m
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
22
67-Ho-151m

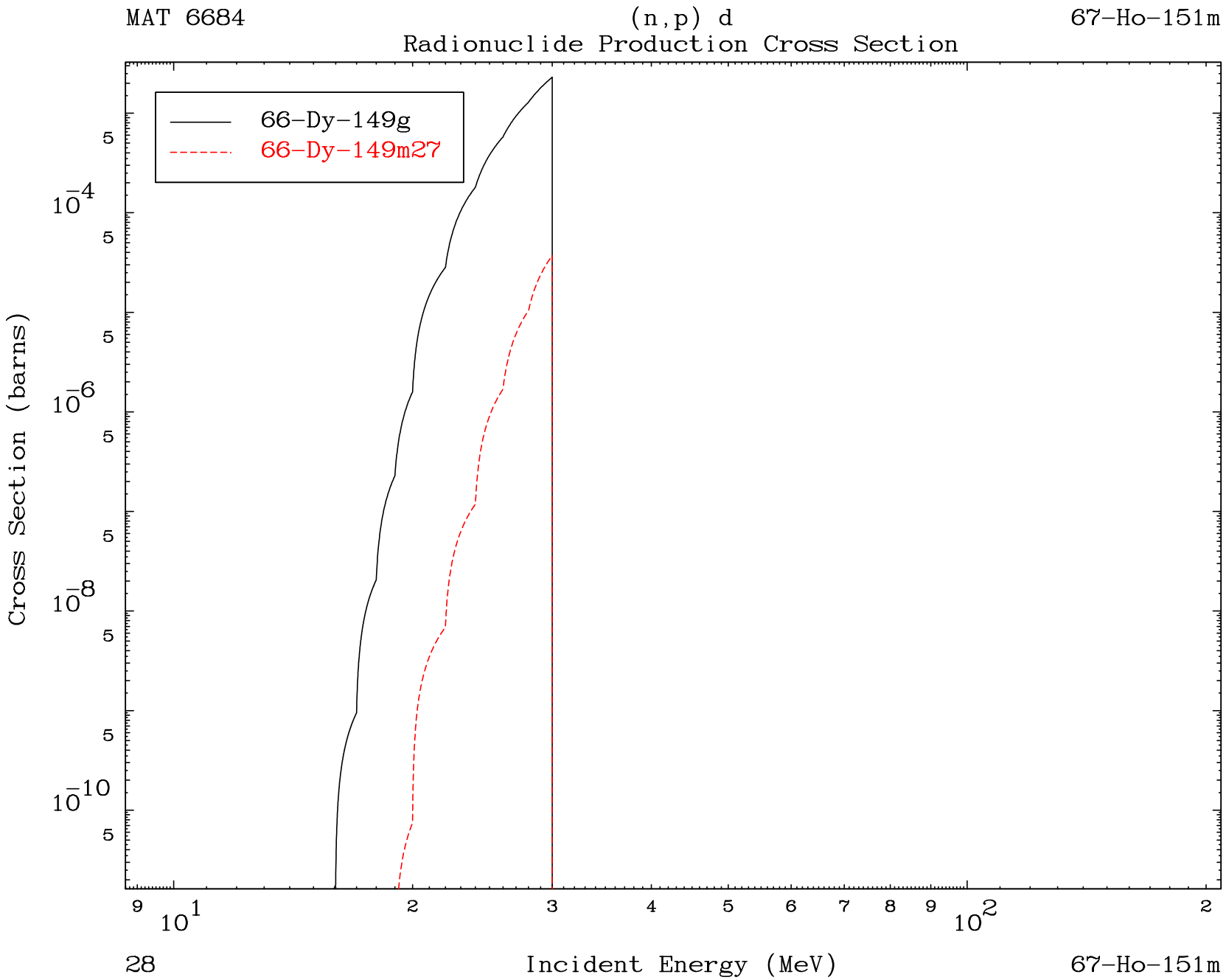

MAT 6684
(n,p)
67-Ho-151m
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
Incident Energy (MeV)
23
67-Ho-151m

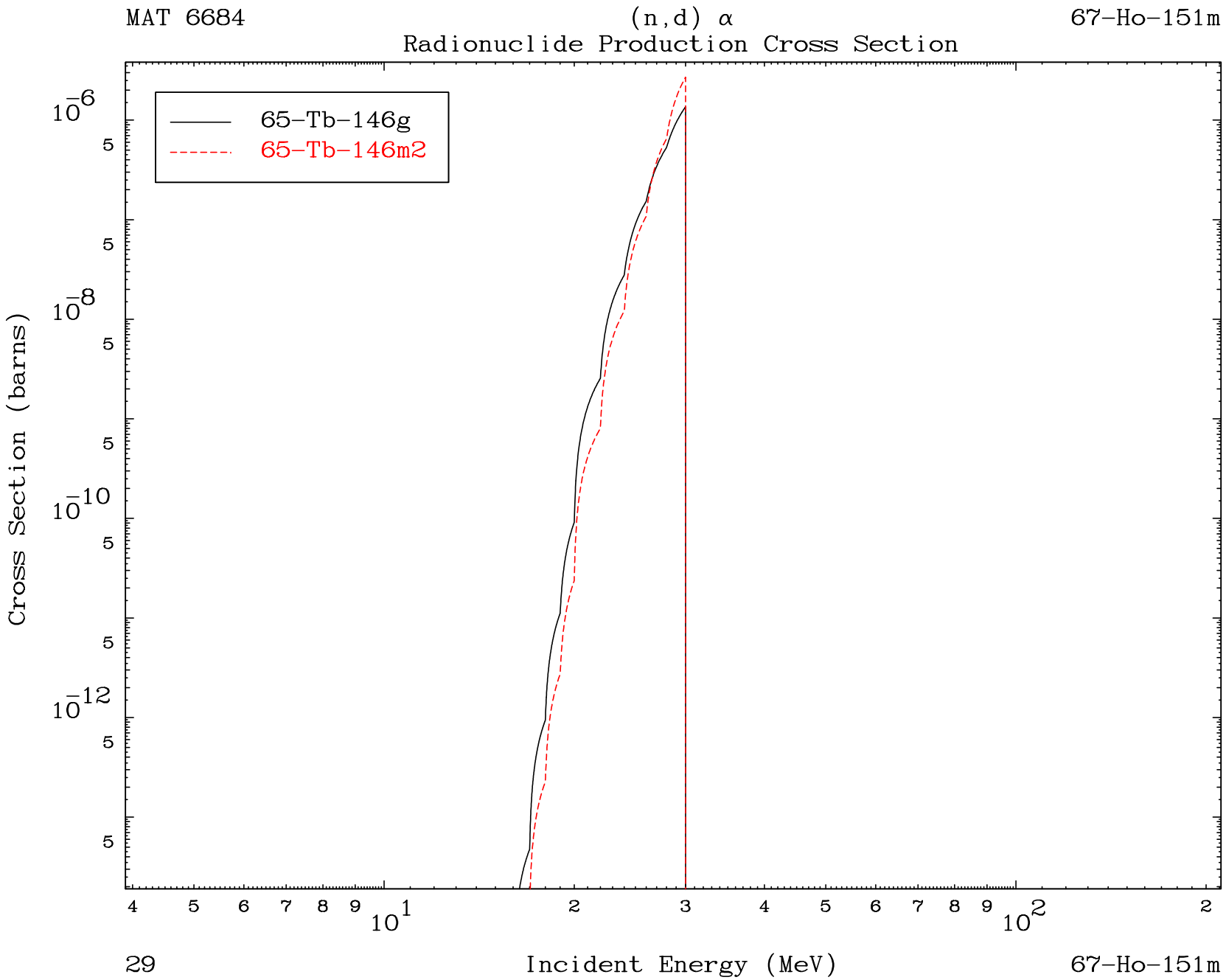

MAT 6684
(n,d)
67-Ho-151m
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
Cross Section (barns)
Incident Energy (MeV)
24
67-Ho-151m


MAT 6684
(n,t)
67-Ho-151m
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
25
67-Ho-151m


MAT 6684
(n,He-3)
67-Ho-151m
Radionuclide Production Cross Section
66-Dy-149g
66-Dy-149m27
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
26
67-Ho-151m


MAT 6684
(n,p) α
67-Ho-151m
Radionuclide Production Cross Section
65-Tb-147g
65-Tb-147m1
Cross Section (barns)
Incident Energy (MeV)
27
67-Ho-151m


MAT 6684
(n,p) d
67-Ho-151m
Radionuclide Production Cross Section
66-Dy-149g
66-Dy-149m27
Cross Section (barns)
10-4
10-6
10-8
10-10
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
28
Incident Energy (MeV)
67-Ho-151m


MAT 6684
(n,d) α
67-Ho-151m
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
29
Incident Energy (MeV)
67-Ho-151m