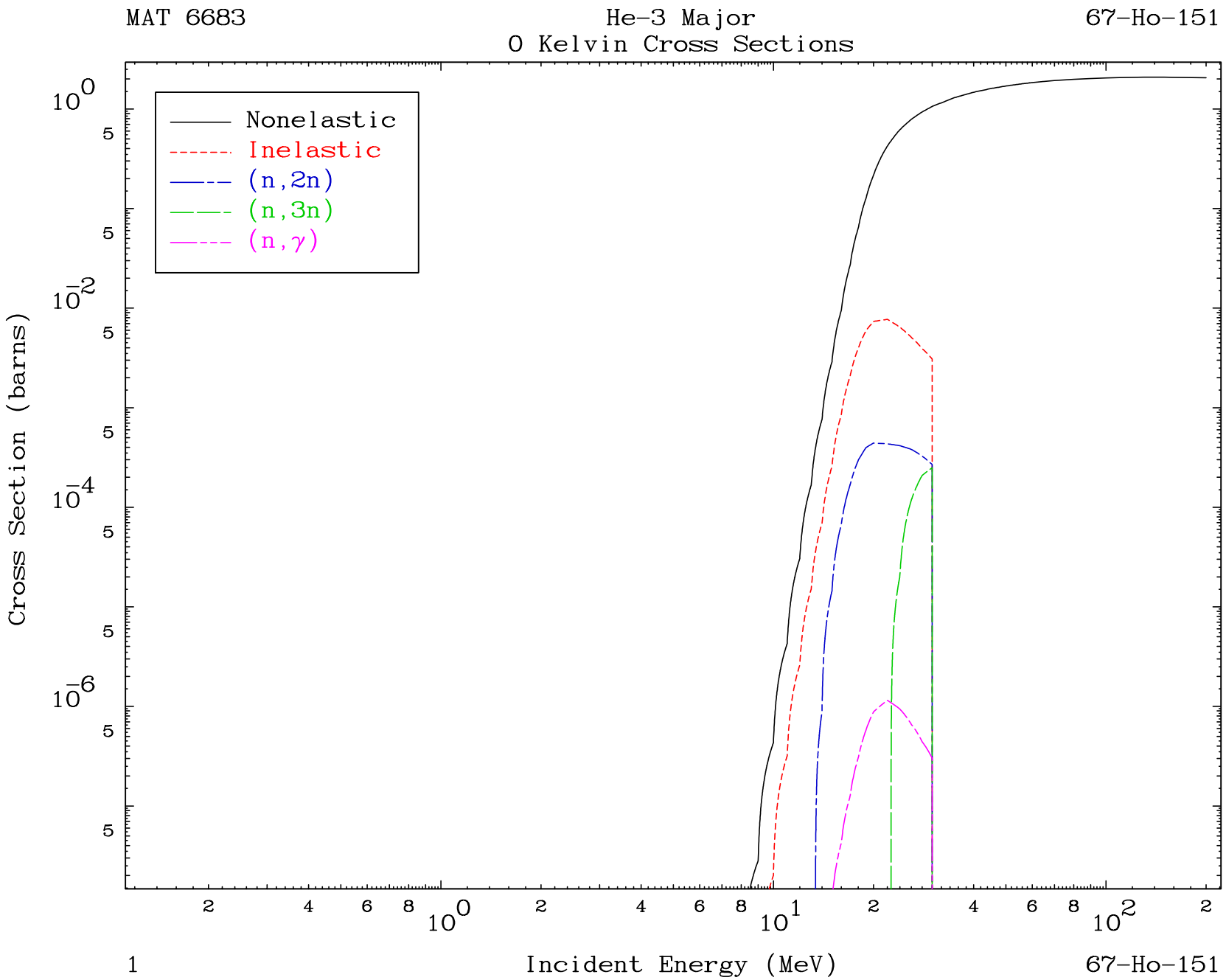
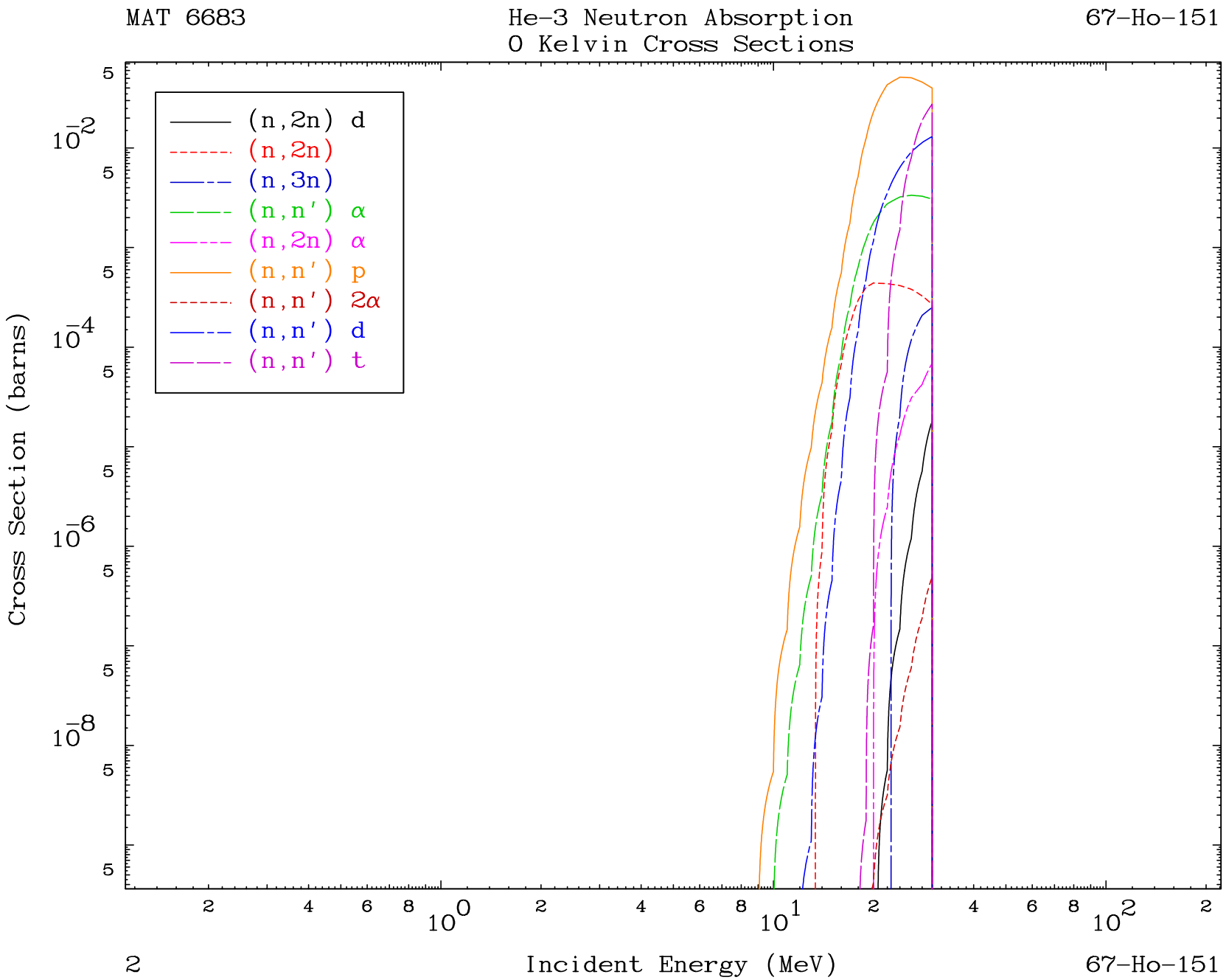
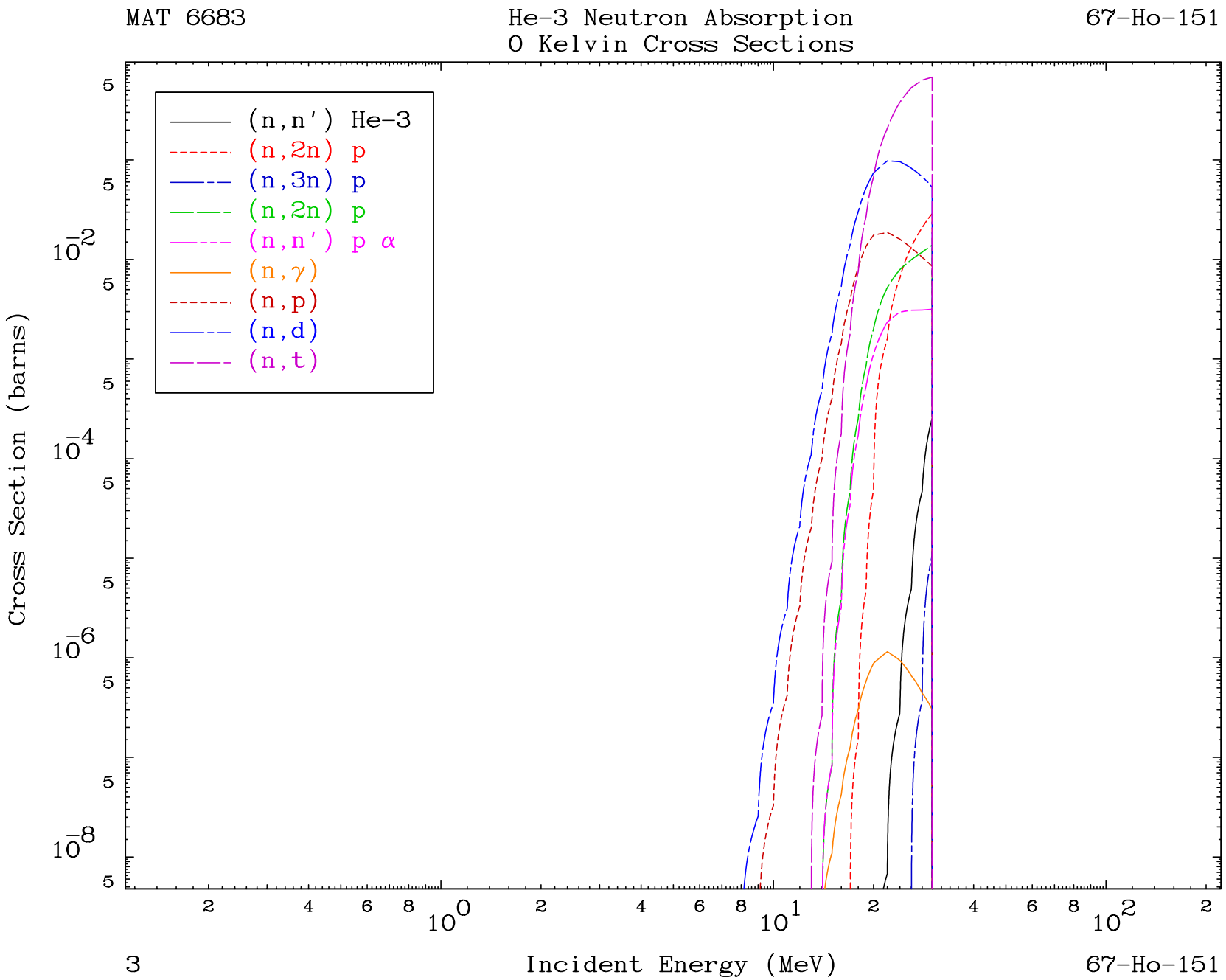
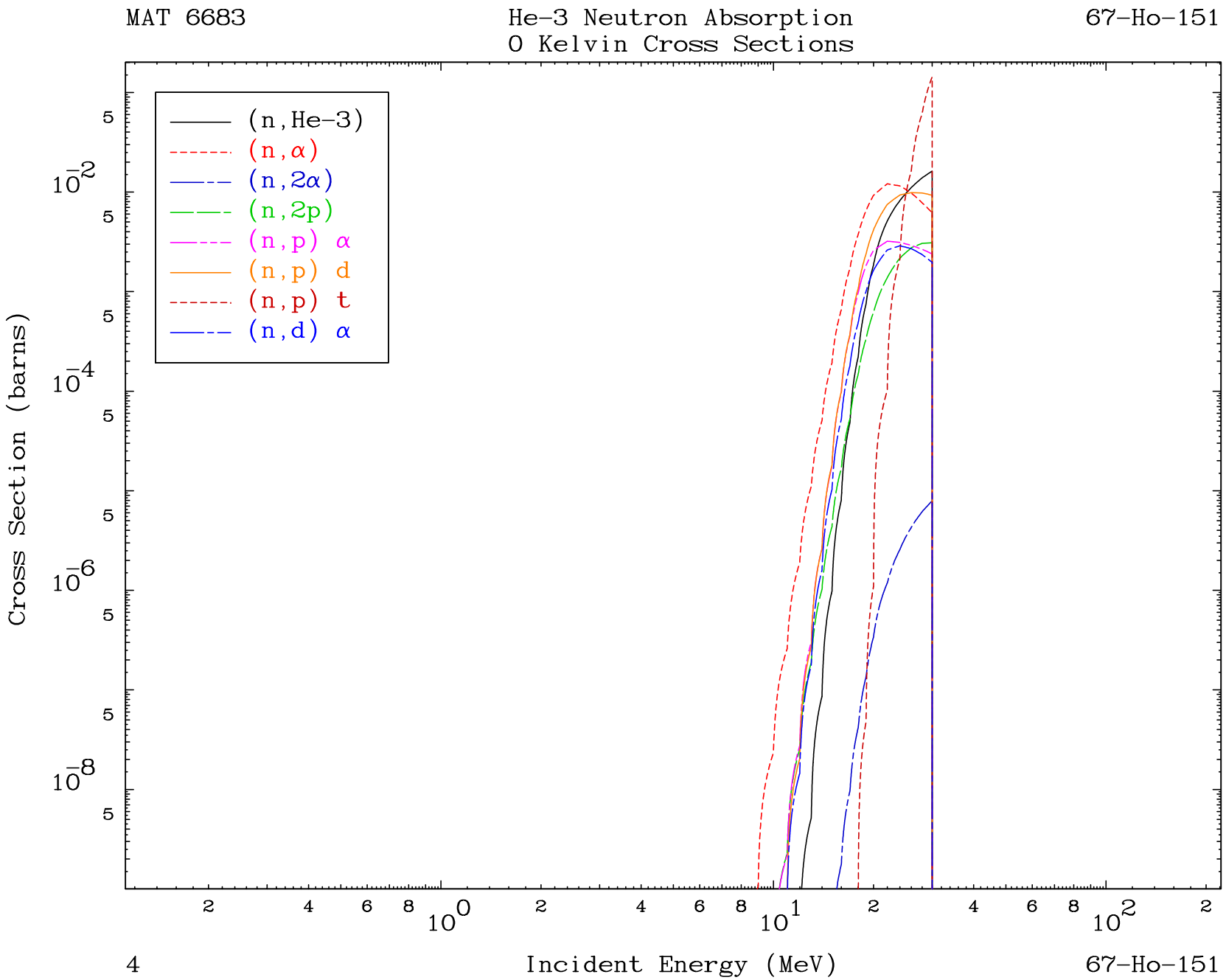
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

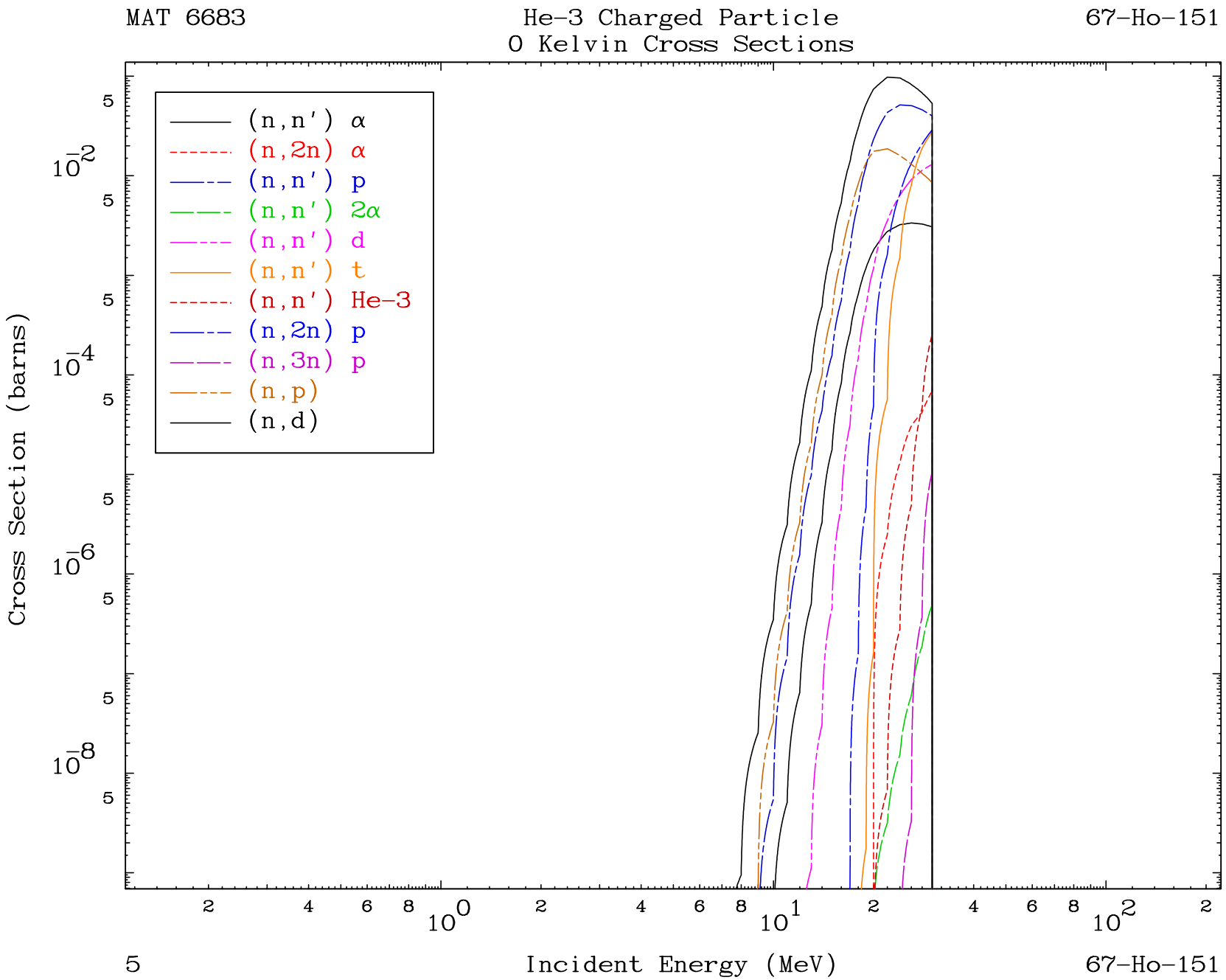
Press Mouse Button to Start

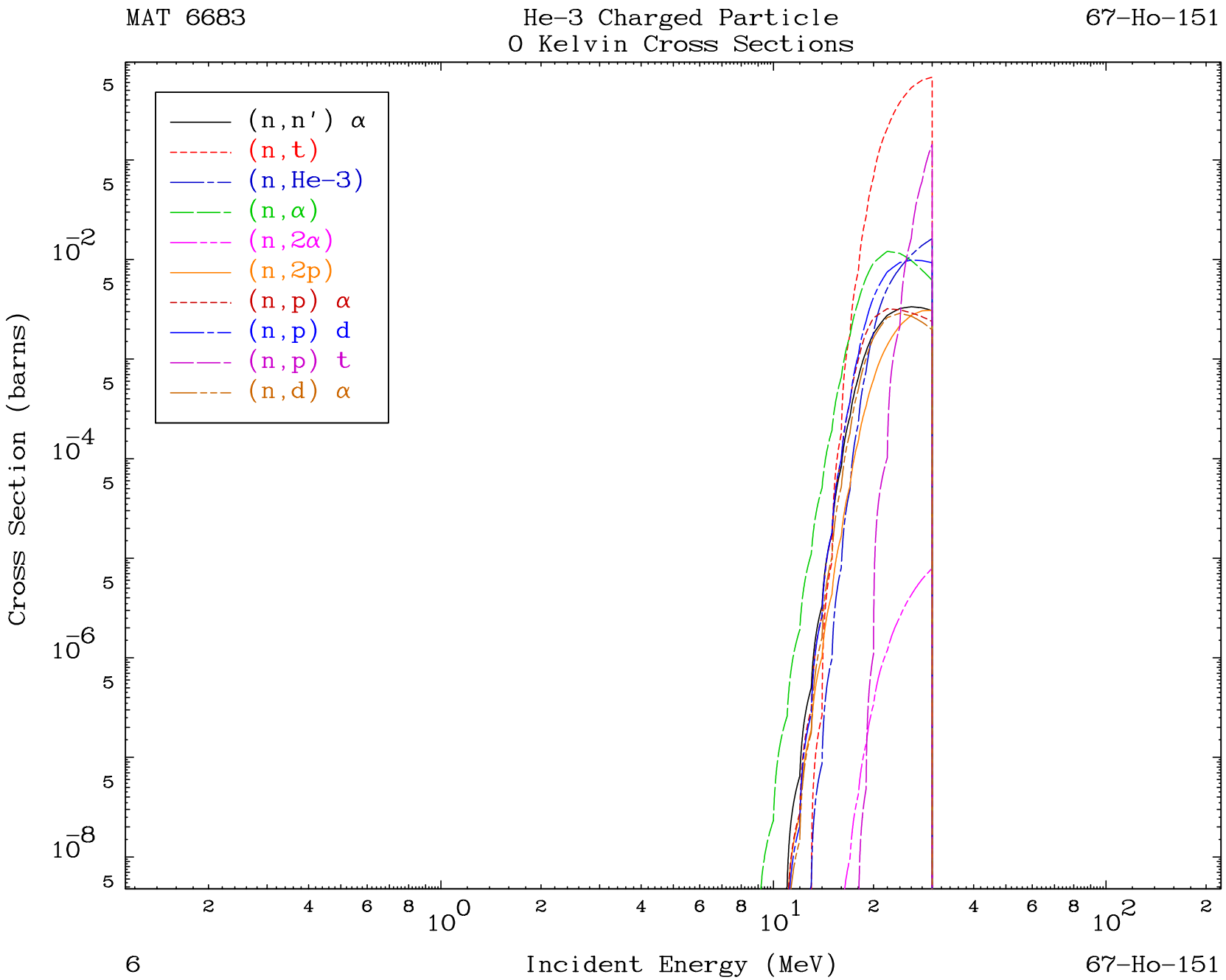

MAT 6683
He-3 Major
67-Ho-151
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
67-Ho-151
1

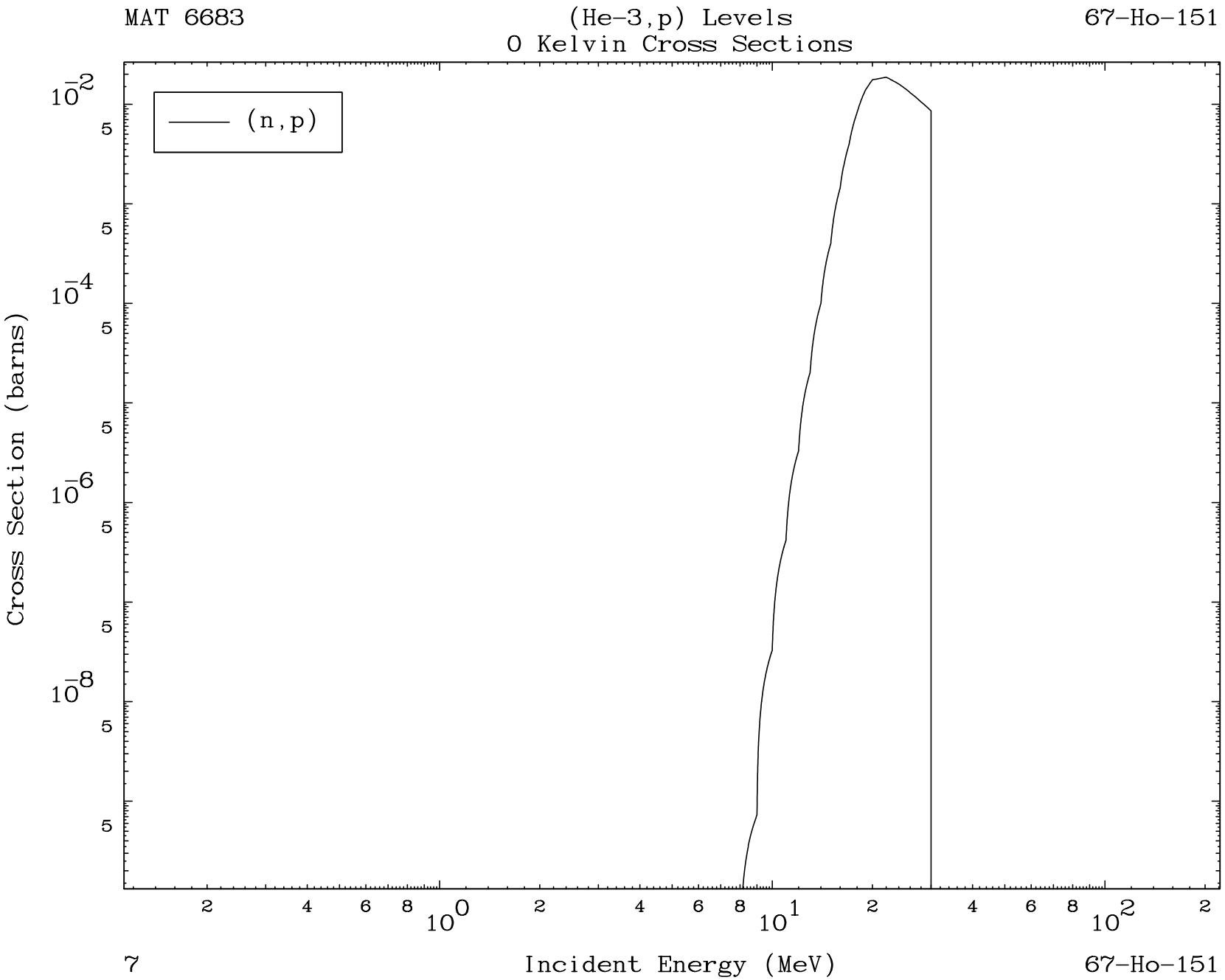

MAT 6683
He-3 Neutron Absorption
0 Kelvin Cross Sections
67-Ho-151
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
67-Ho-151
2

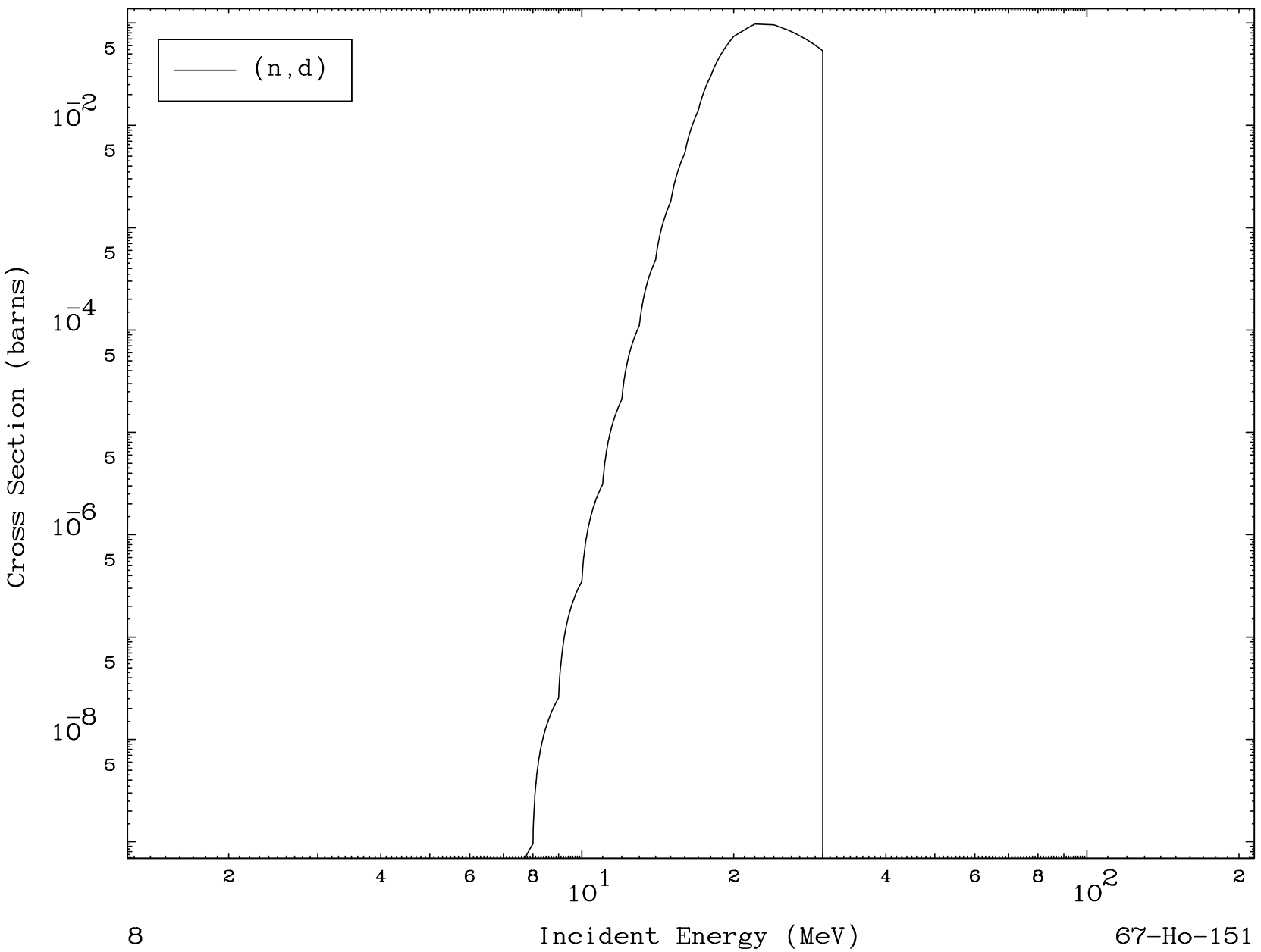

MAT 6683
He-3 Neutron Absorption
0 Kelvin Cross Sections
67-Ho-151
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
67-Ho-151

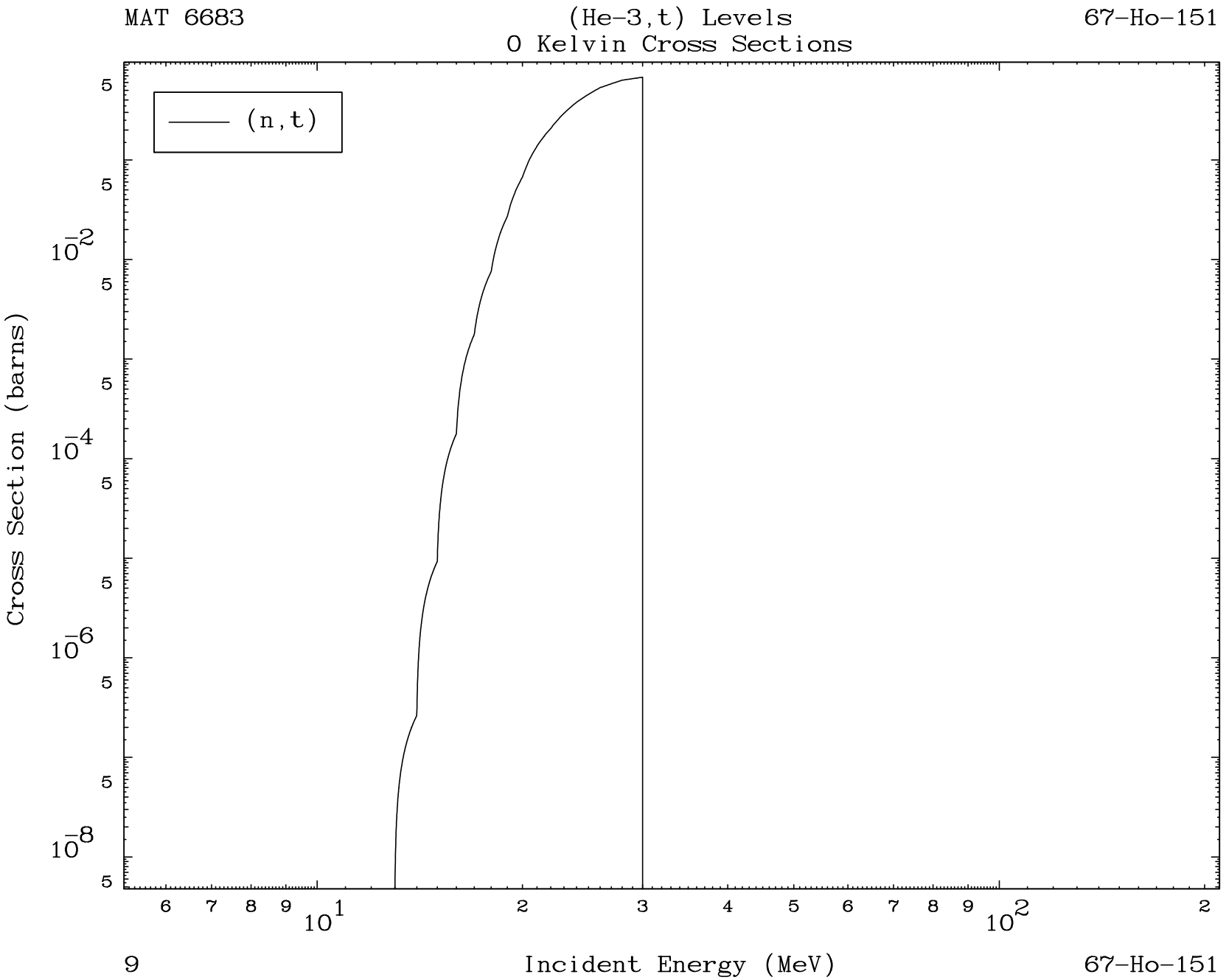

MAT 6683
He-3 Neutron Absorption
0 Kelvin Cross Sections
67-Ho-151
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
4
67-Ho-151

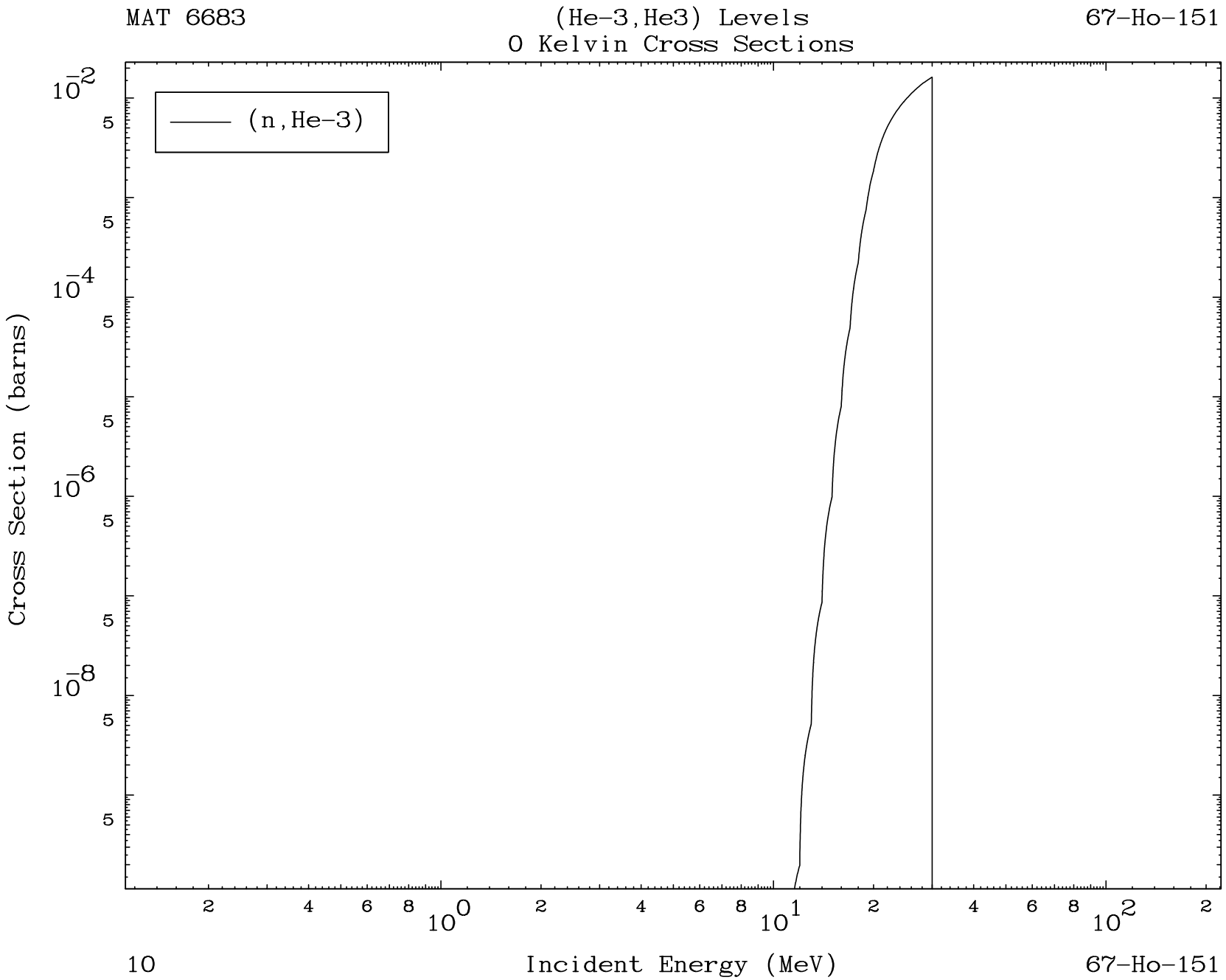

MAT 6683
He-3 Charged Particle
0 Kelvin Cross Sections
67-Ho-151
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
67-Ho-151

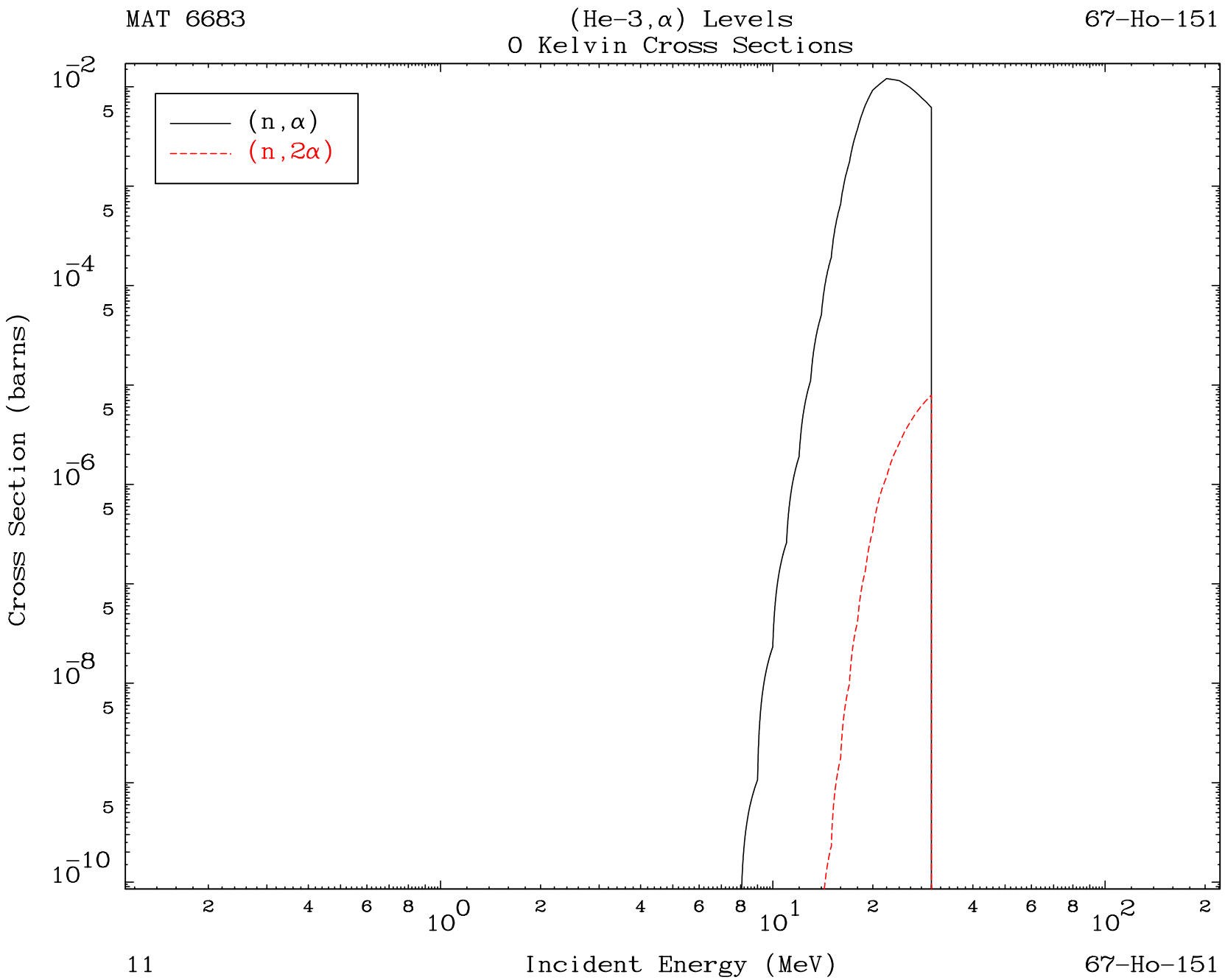

MAT 6683
He-3 Charged Particle
0 Kelvin Cross Sections
67-Ho-151
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
67-Ho-151

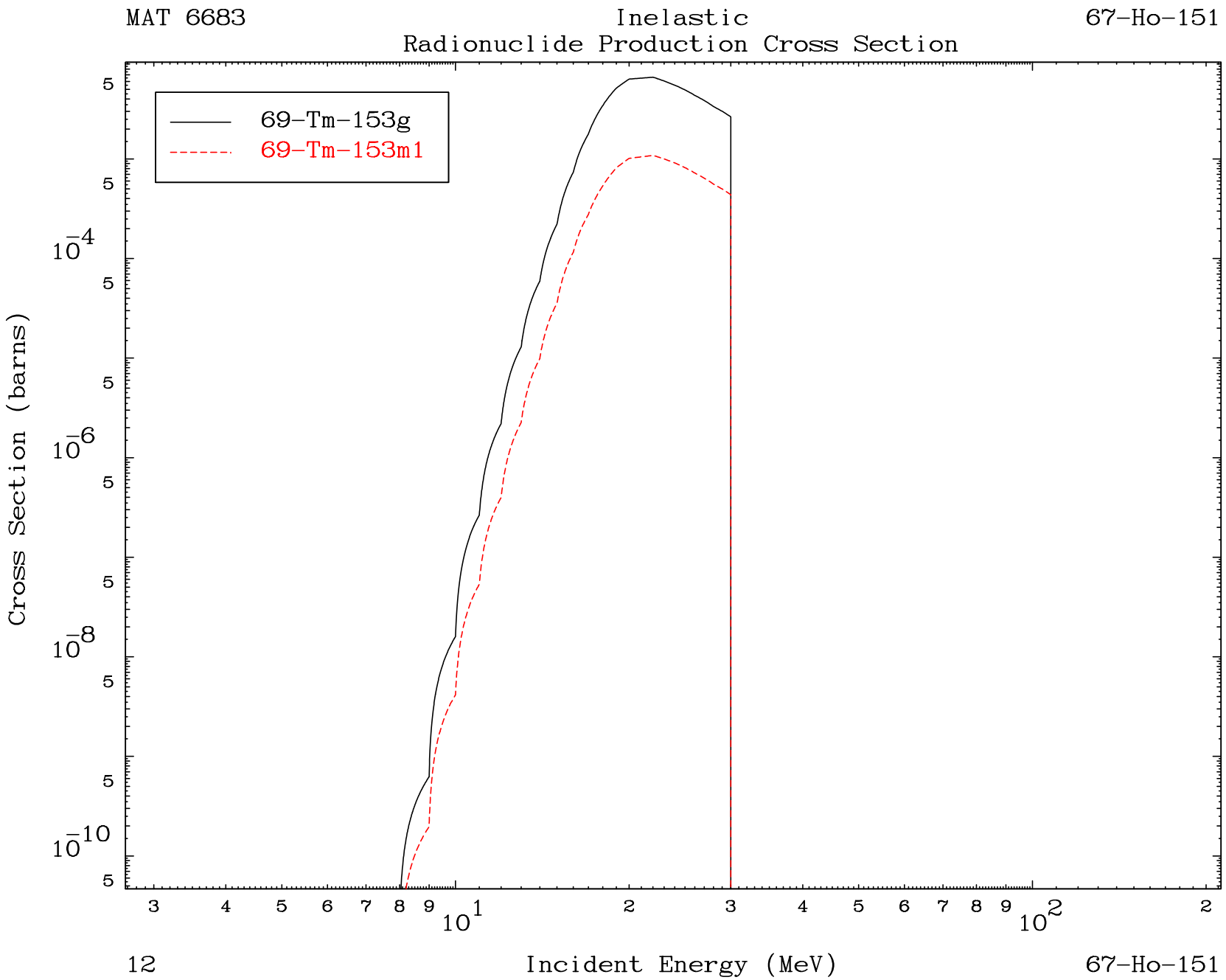

MAT 6683
(He-3,p) Levels
0 Kelvin Cross Sections
67-Ho-151
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
67-Ho-151

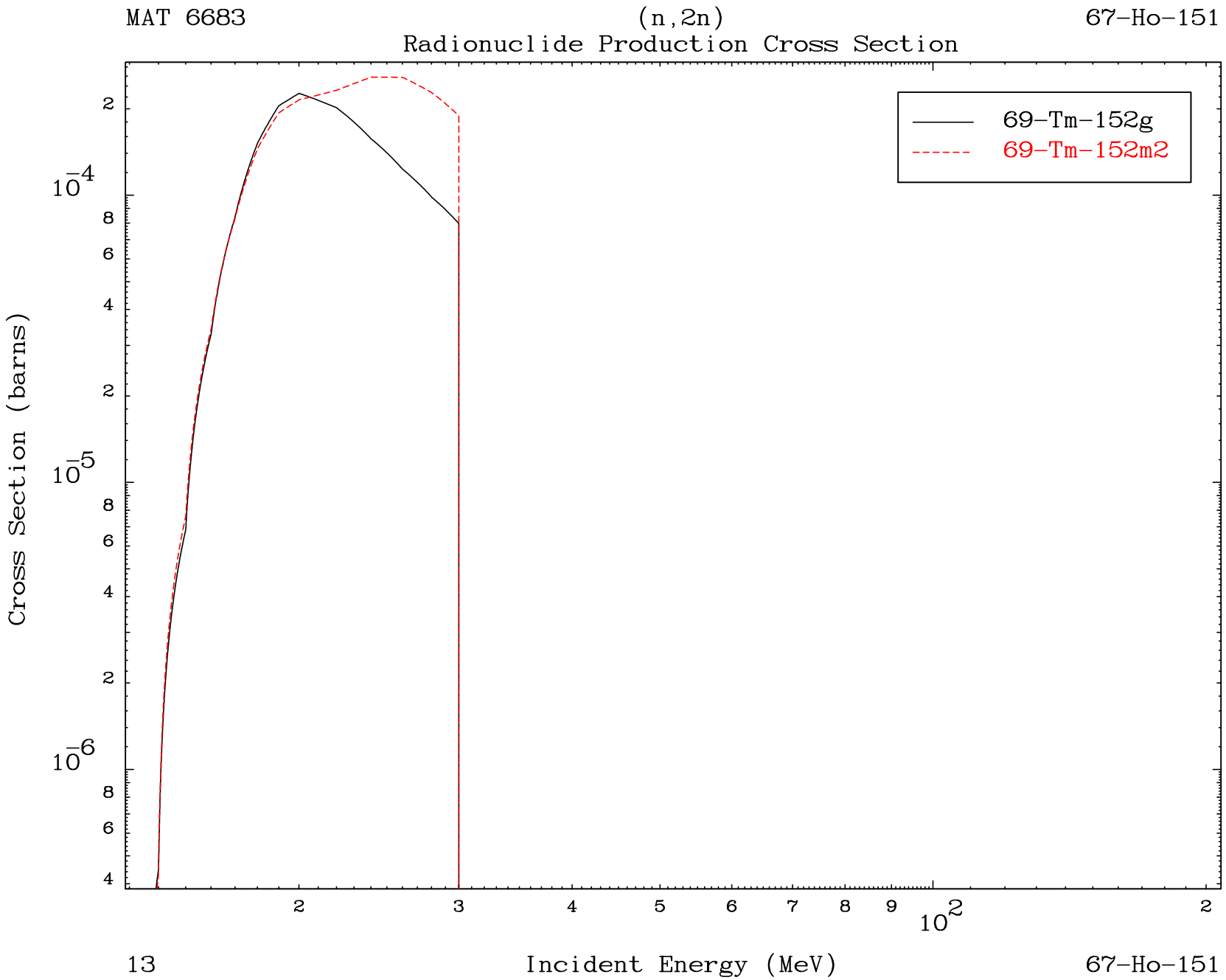

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
Incident Energy (MeV)

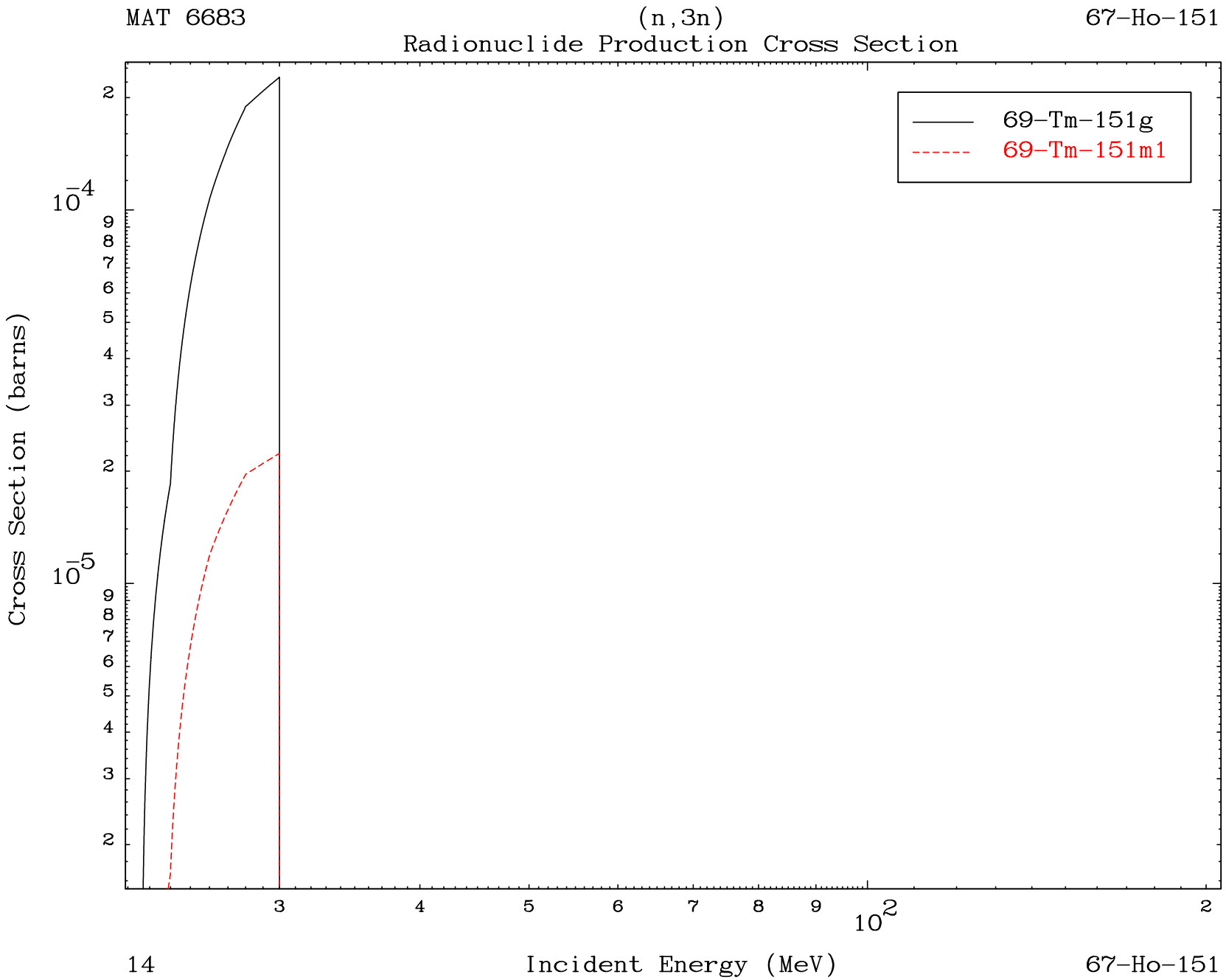

MAT 6683
(He-3,t) Levels
67-Ho-151
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
67-Ho-151

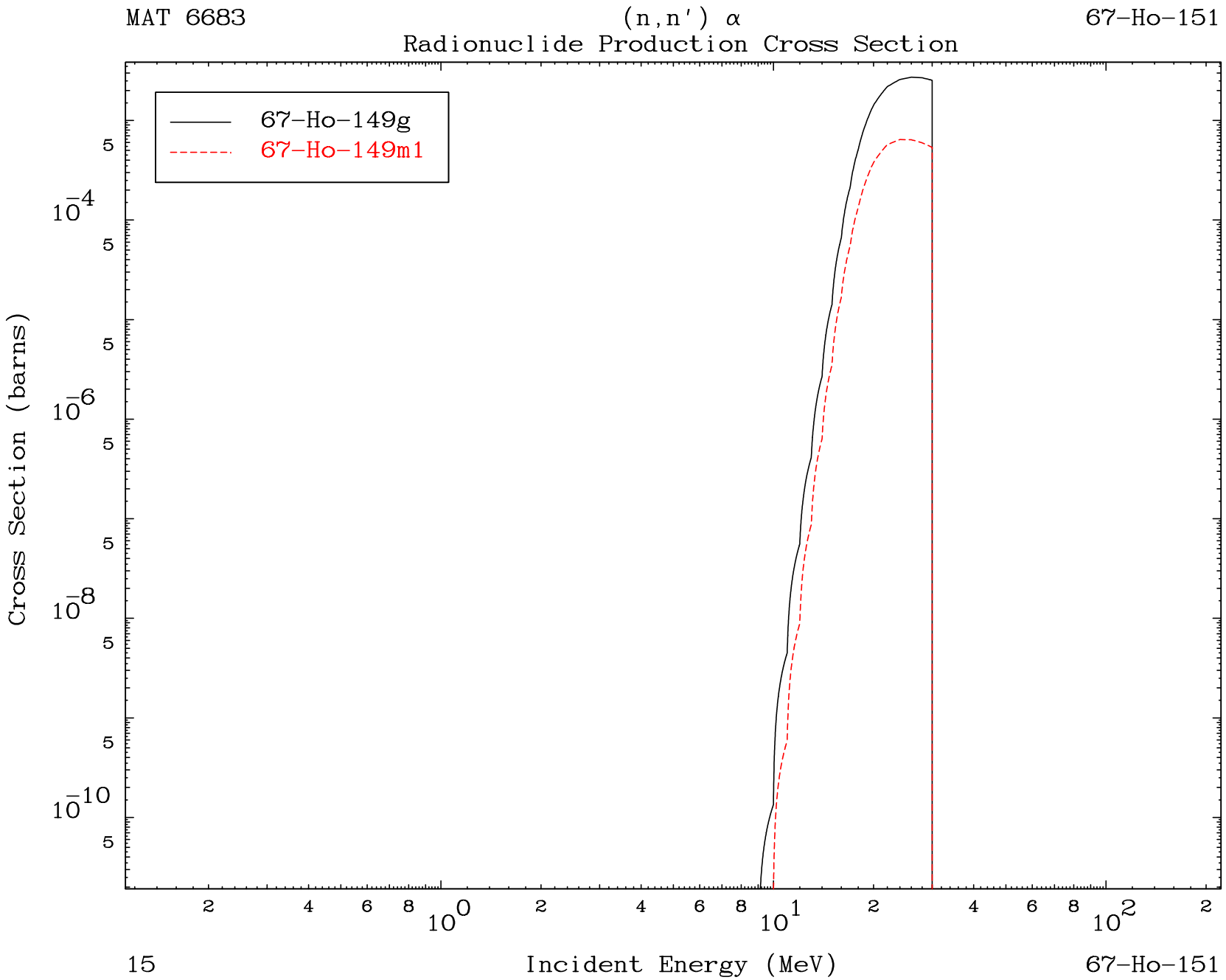

MAT 6683
(He-3,He3) Levels
67-Ho-151
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
67-Ho-151

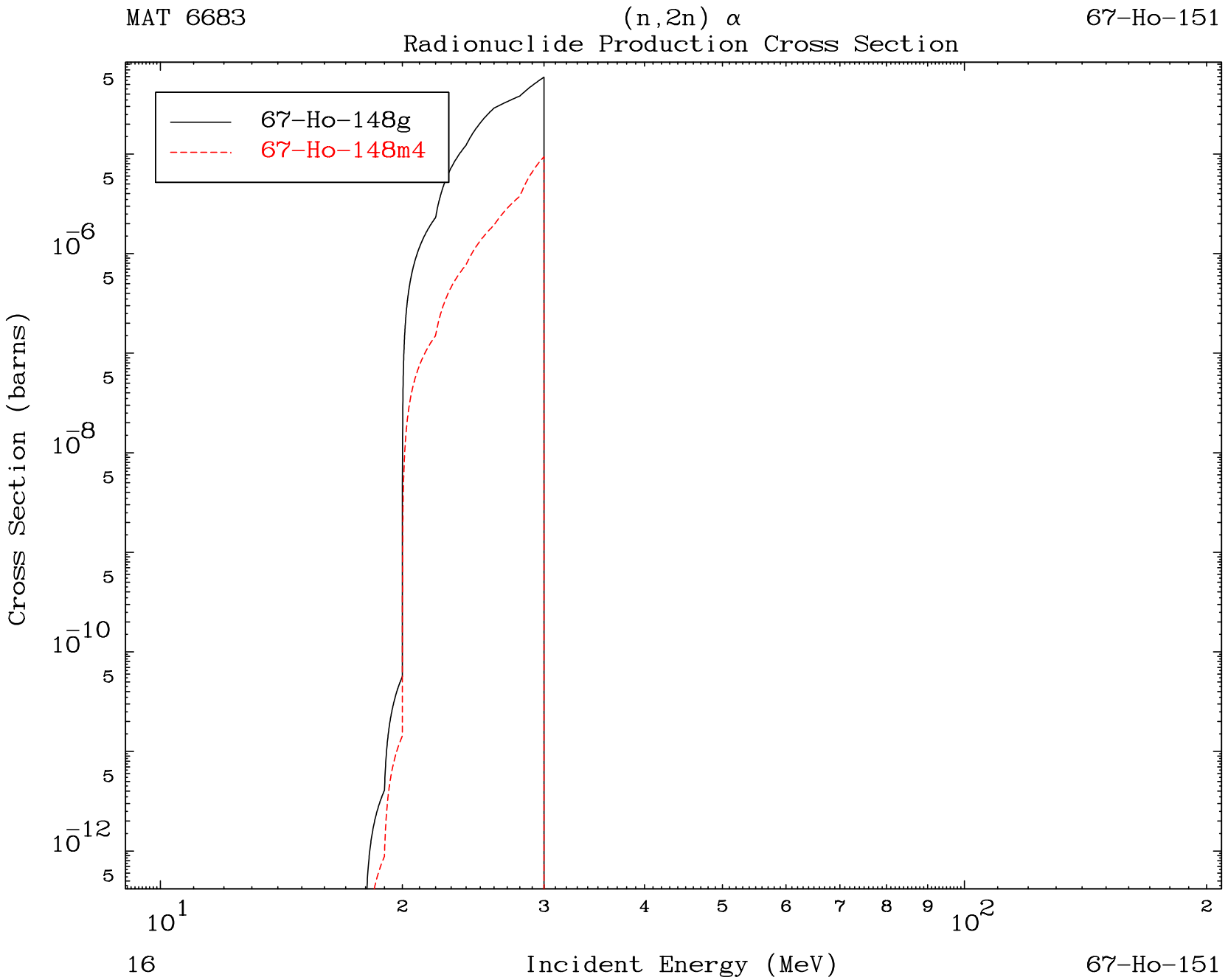

MAT 6683
(He-3,α) Levels
0 Kelvin Cross Sections
67-Ho-151
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
67-Ho-151

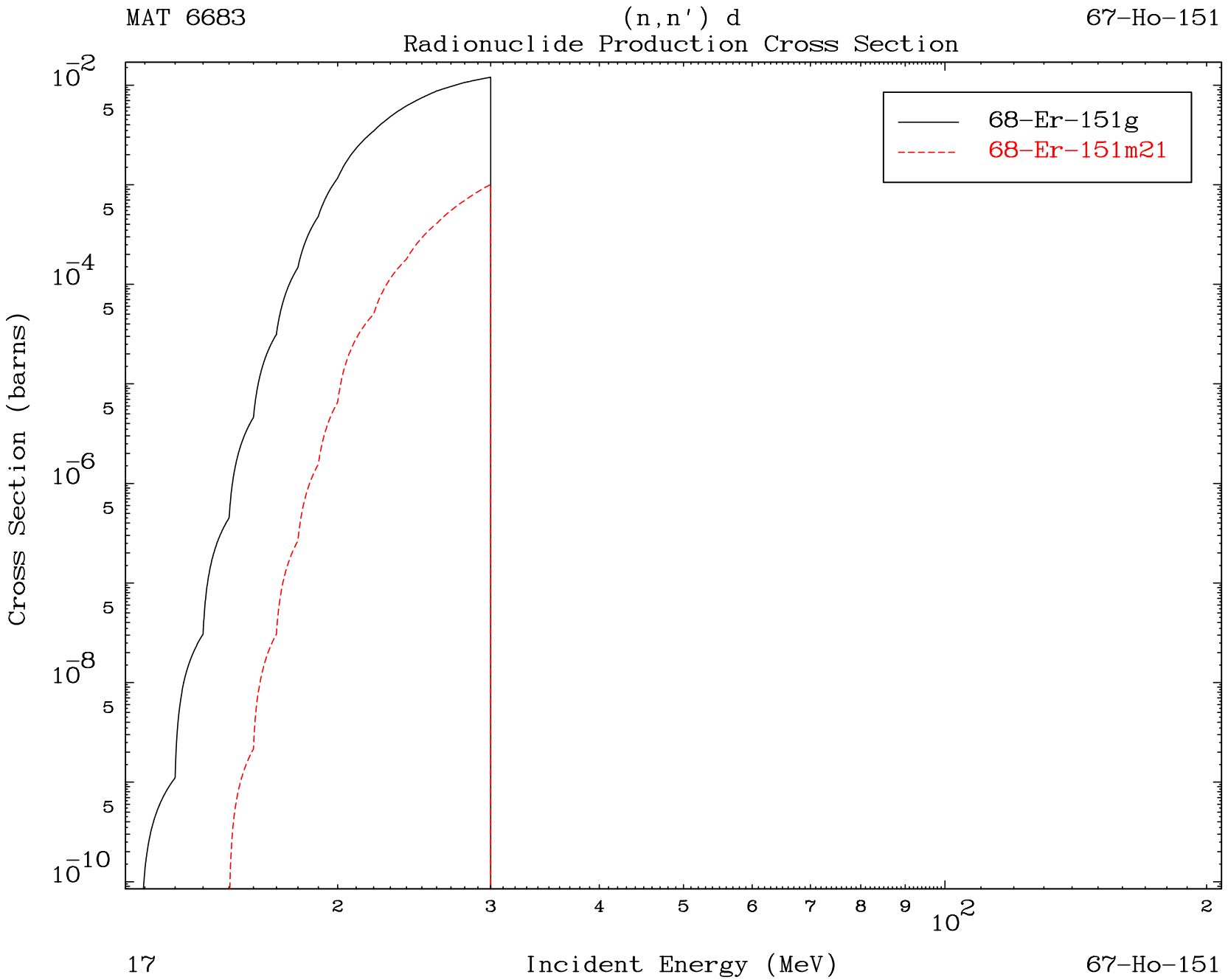

MAT 6683
Inelastic
67-Ho-151
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
12
67-Ho-151

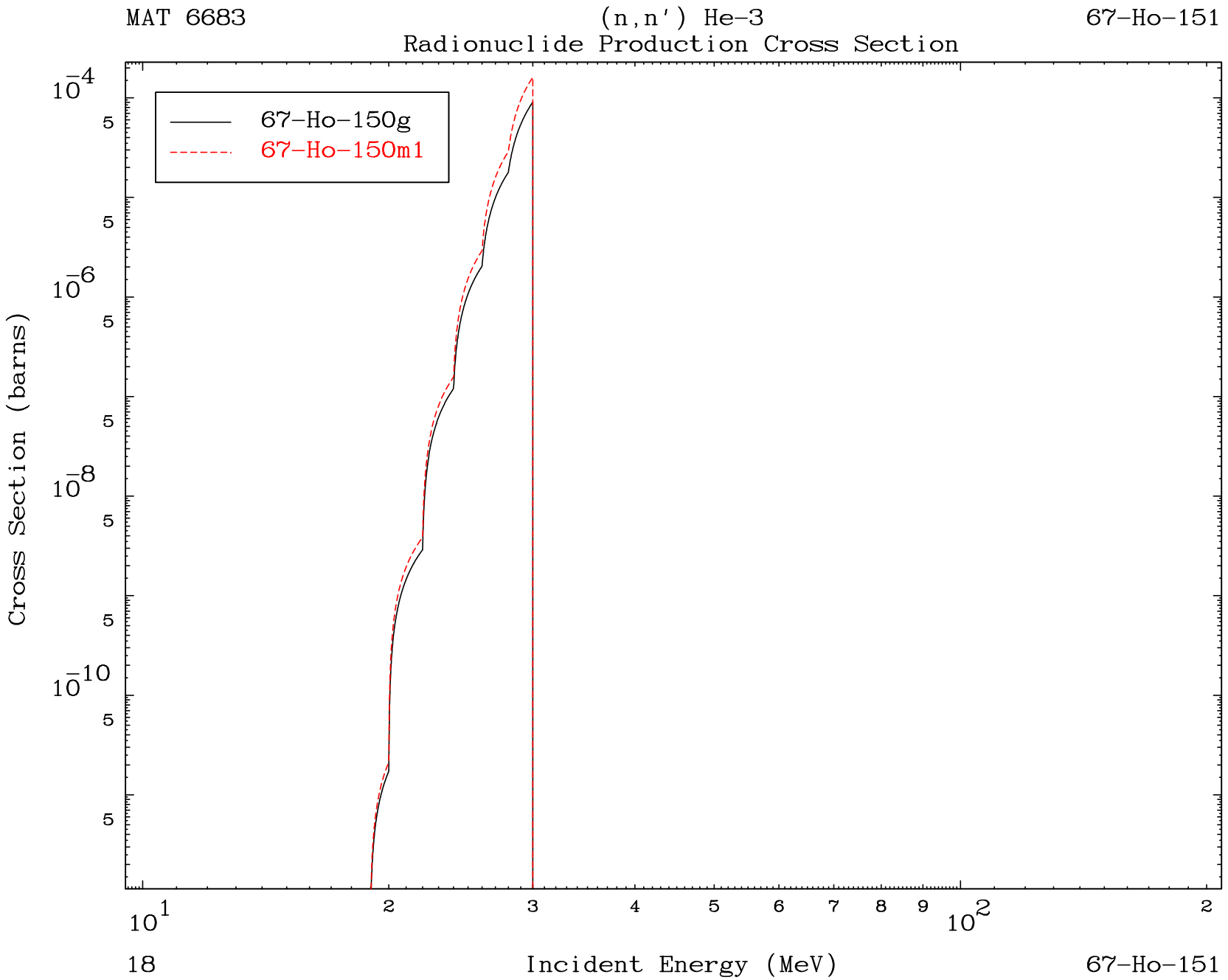

MAT 6683
(n,2n)
67-Ho-151
Radionuclide Production Cross Section
69-Tm-152g
69-Tm-152m2
Cross Section (barns)
Incident Energy (MeV)
13
67-Ho-151

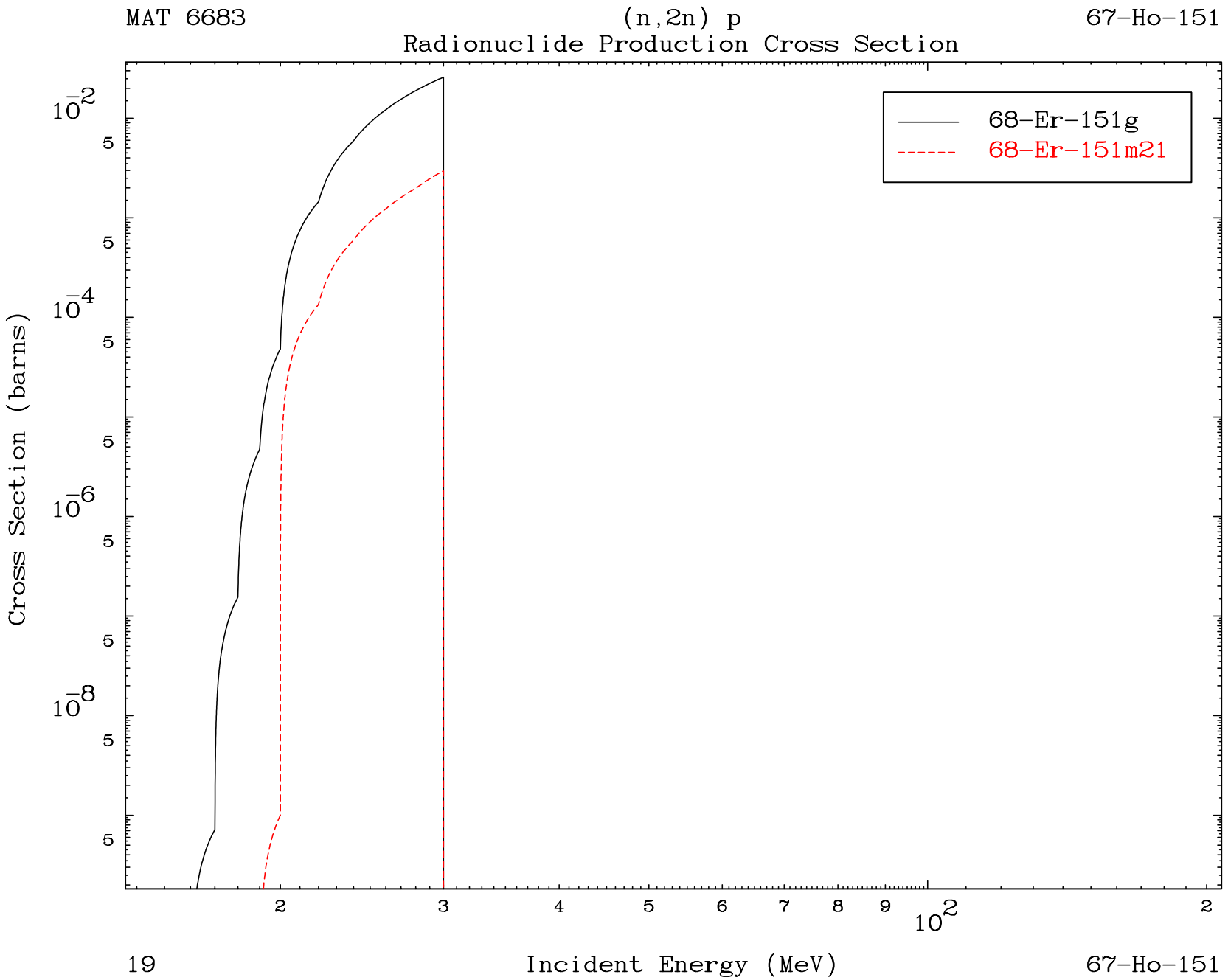

MAT 6683
(n,3n)
67-Ho-151
Radionuclide Production Cross Section
69-Tm-151g
69-Tm-151m1
Cross Section (barns)
10^-4
10^-5
2
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
67-Ho-151

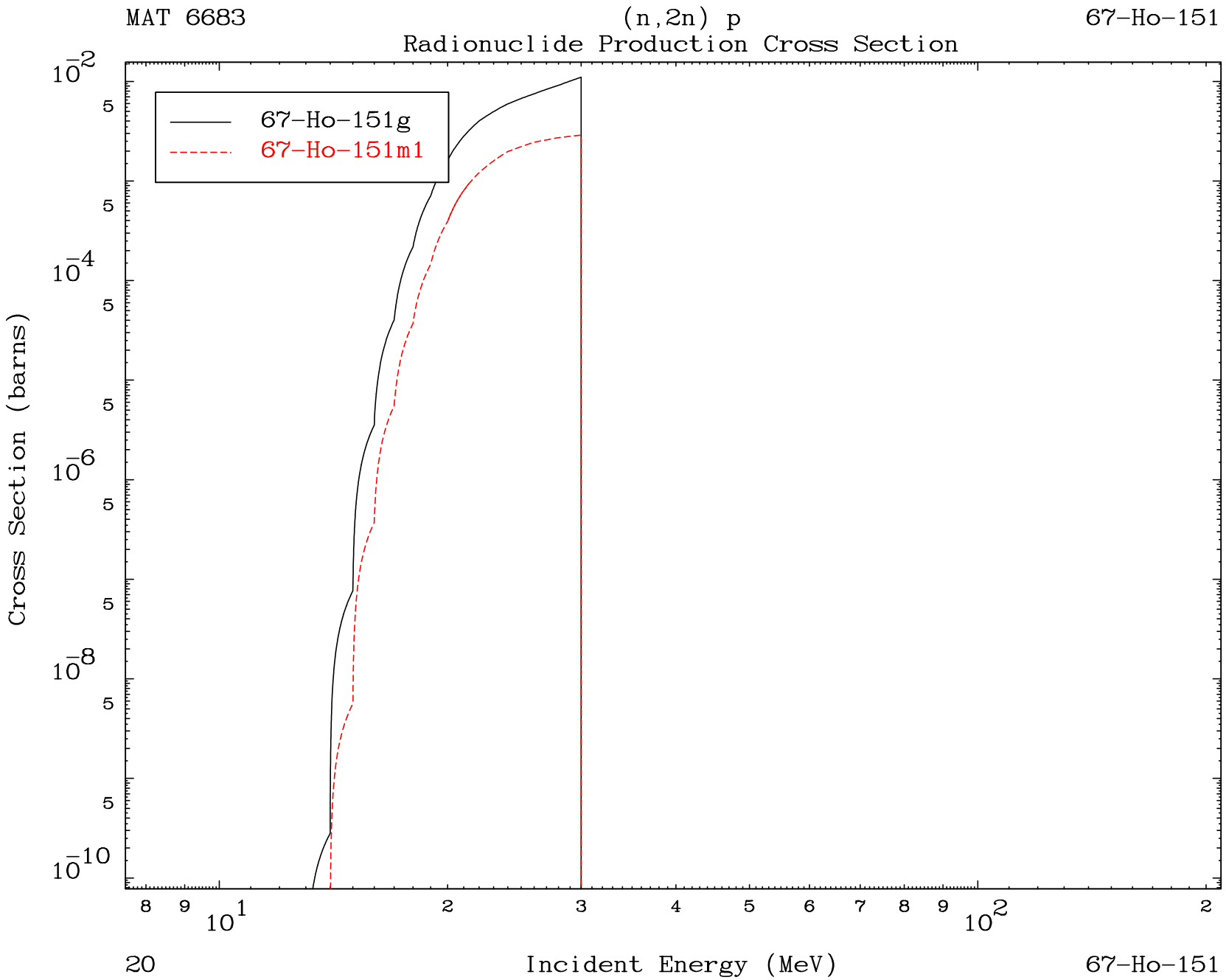

MAT 6683
(n,n') α
67-Ho-151
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
15
67-Ho-151

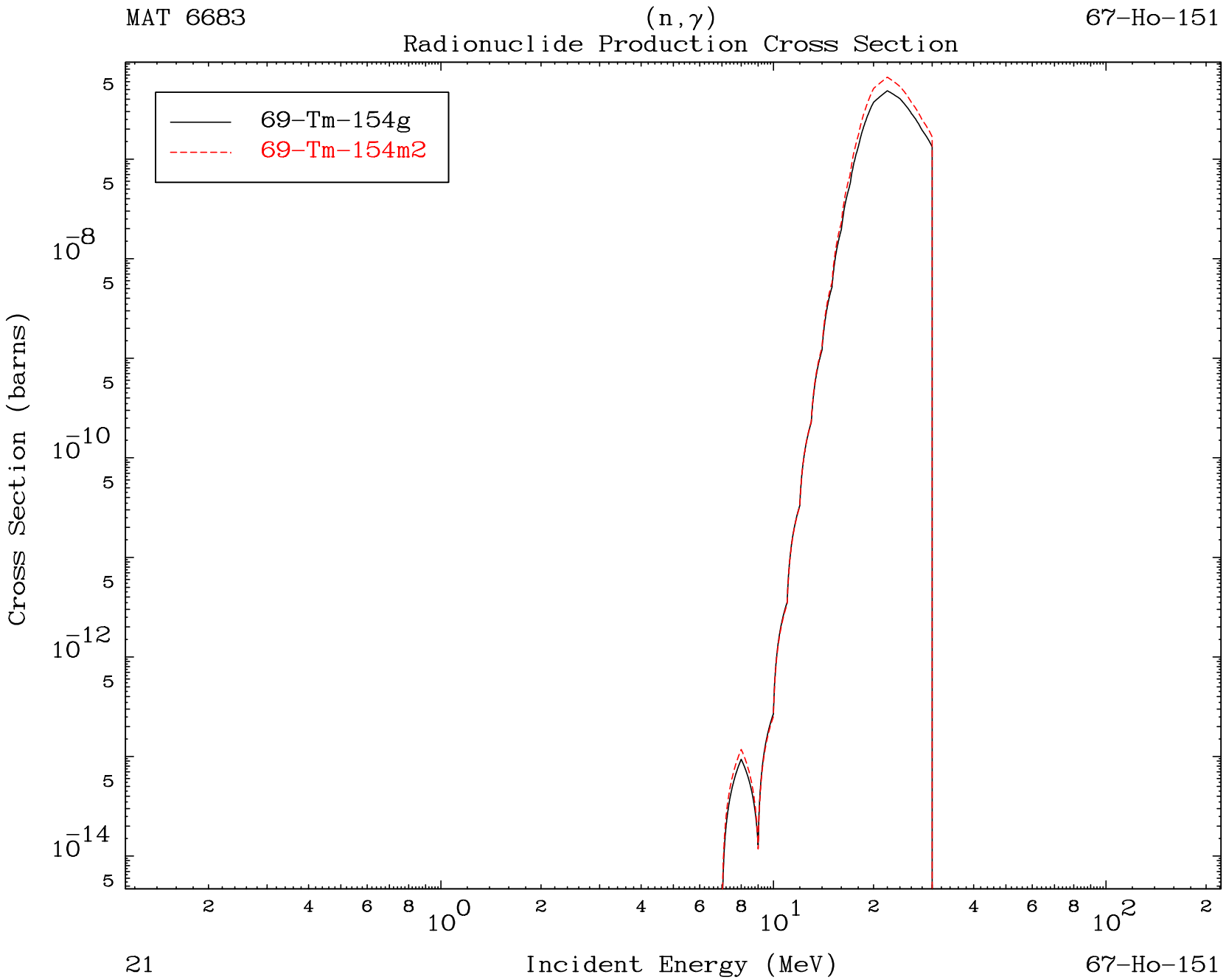

MAT 6683
(n,2n) α
67-Ho-151
Radionuclide Production Cross Section
67-Ho-148g
67-Ho-148m4
Cross Section (barns)
Incident Energy (MeV)
16
67-Ho-151

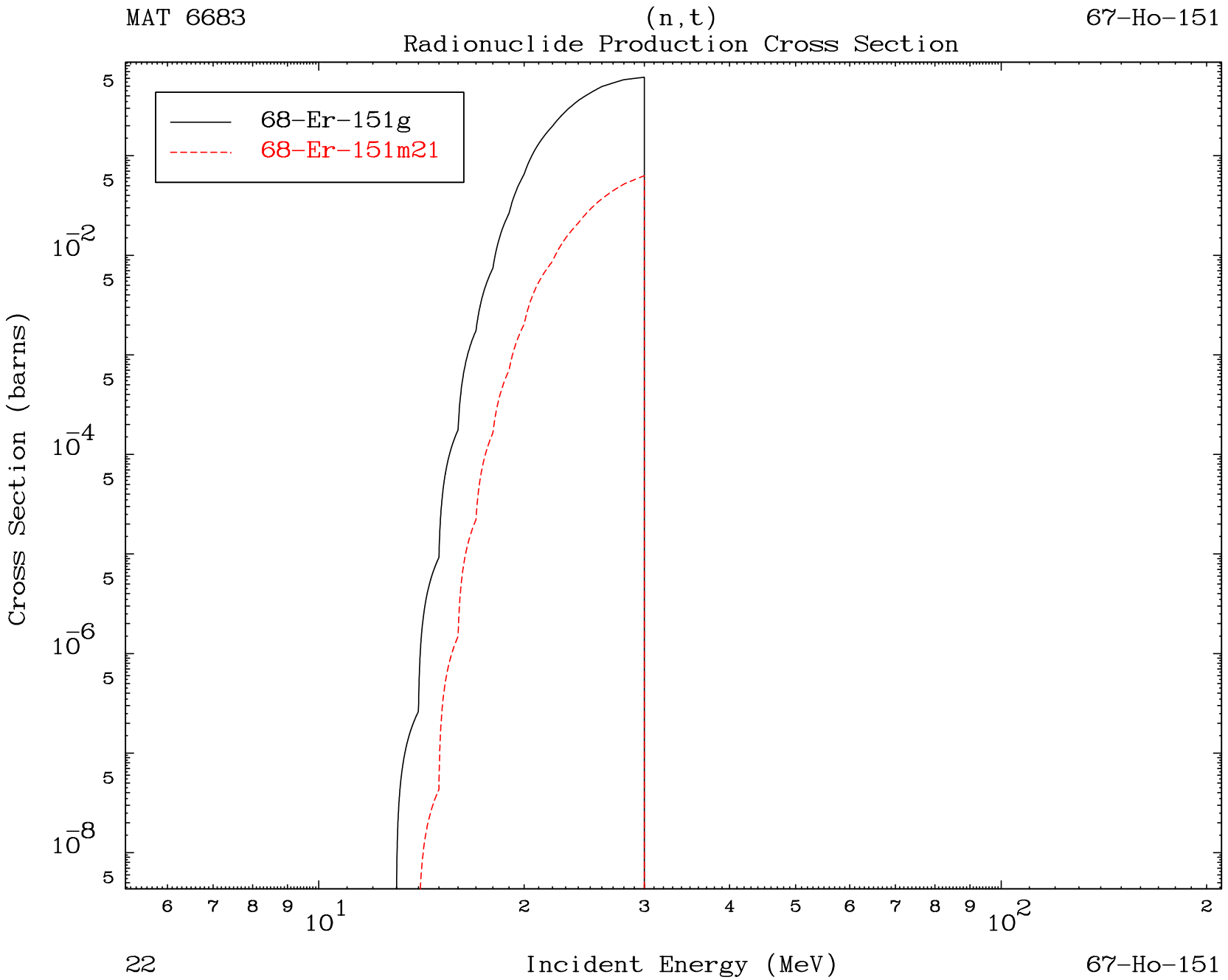

MAT 6683
(n,n') d
67-Ho-151
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m21
Cross Section (barns)
Incident Energy (MeV)
17
67-Ho-151

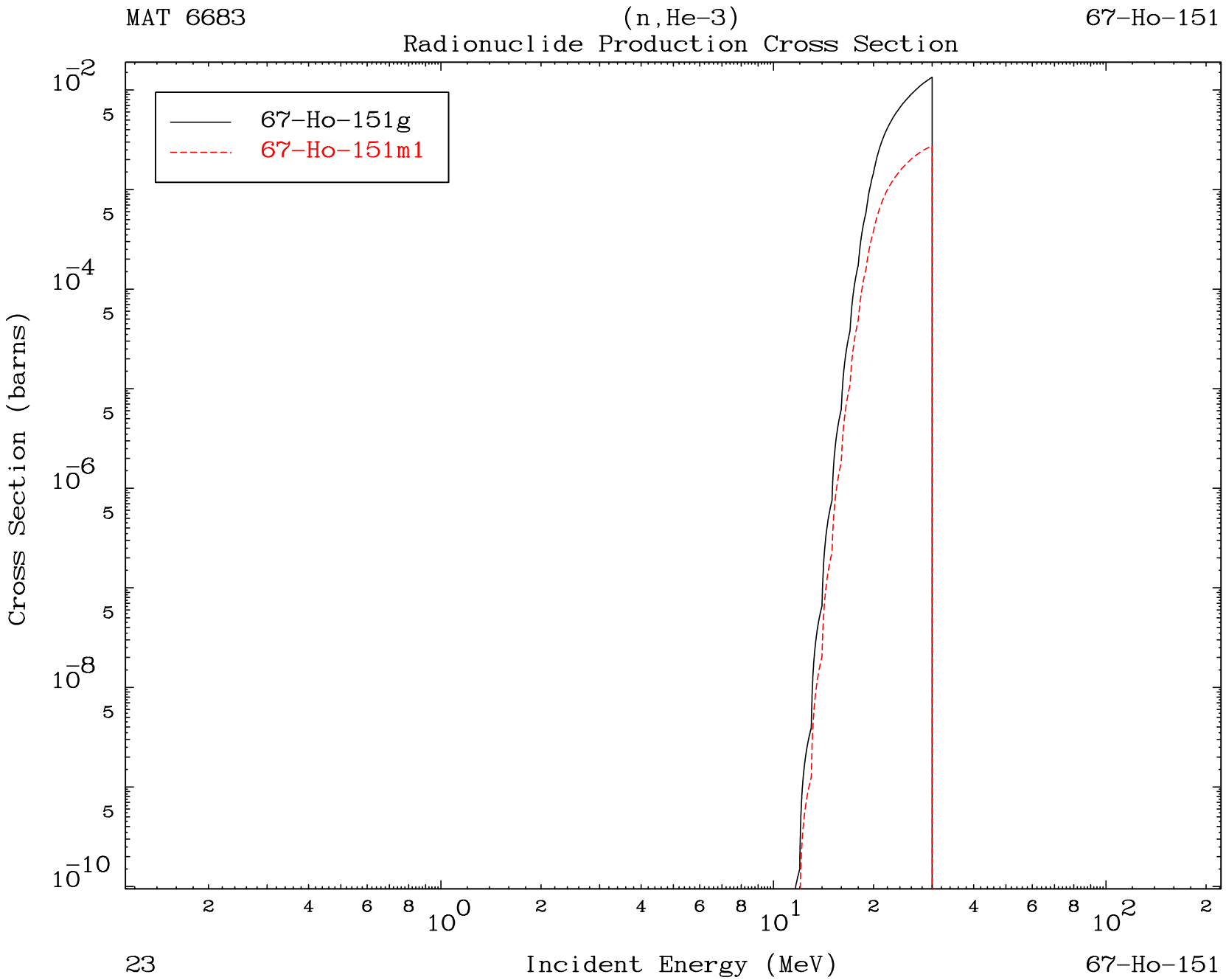

MAT 6683
(n,n') He-3
67-Ho-151
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
Cross Section (barns)
Incident Energy (MeV)
18
67-Ho-151

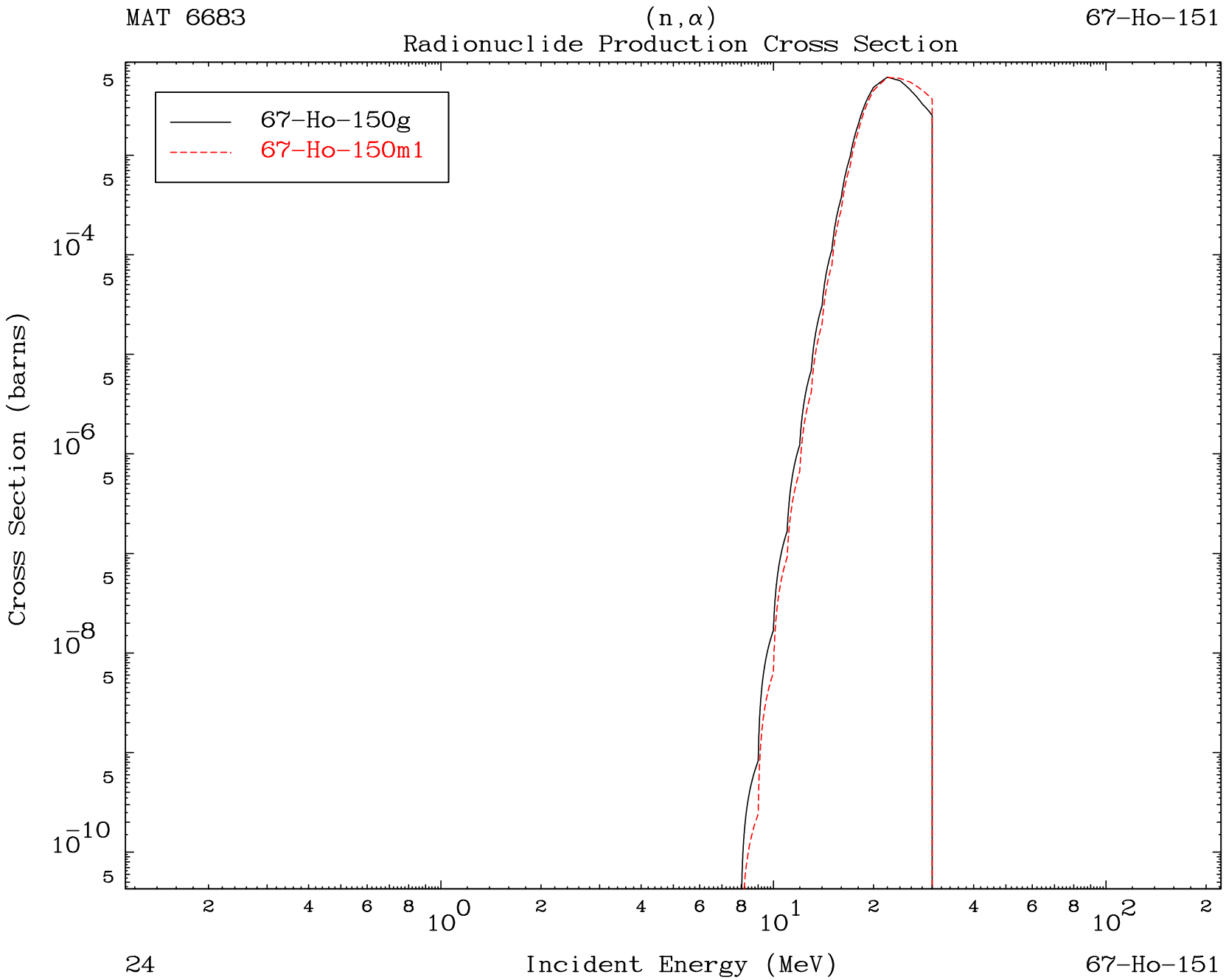

MAT 6683
(n,2n) p
67-Ho-151
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m21
Cross Section (barns)
Incident Energy (MeV)
19
67-Ho-151

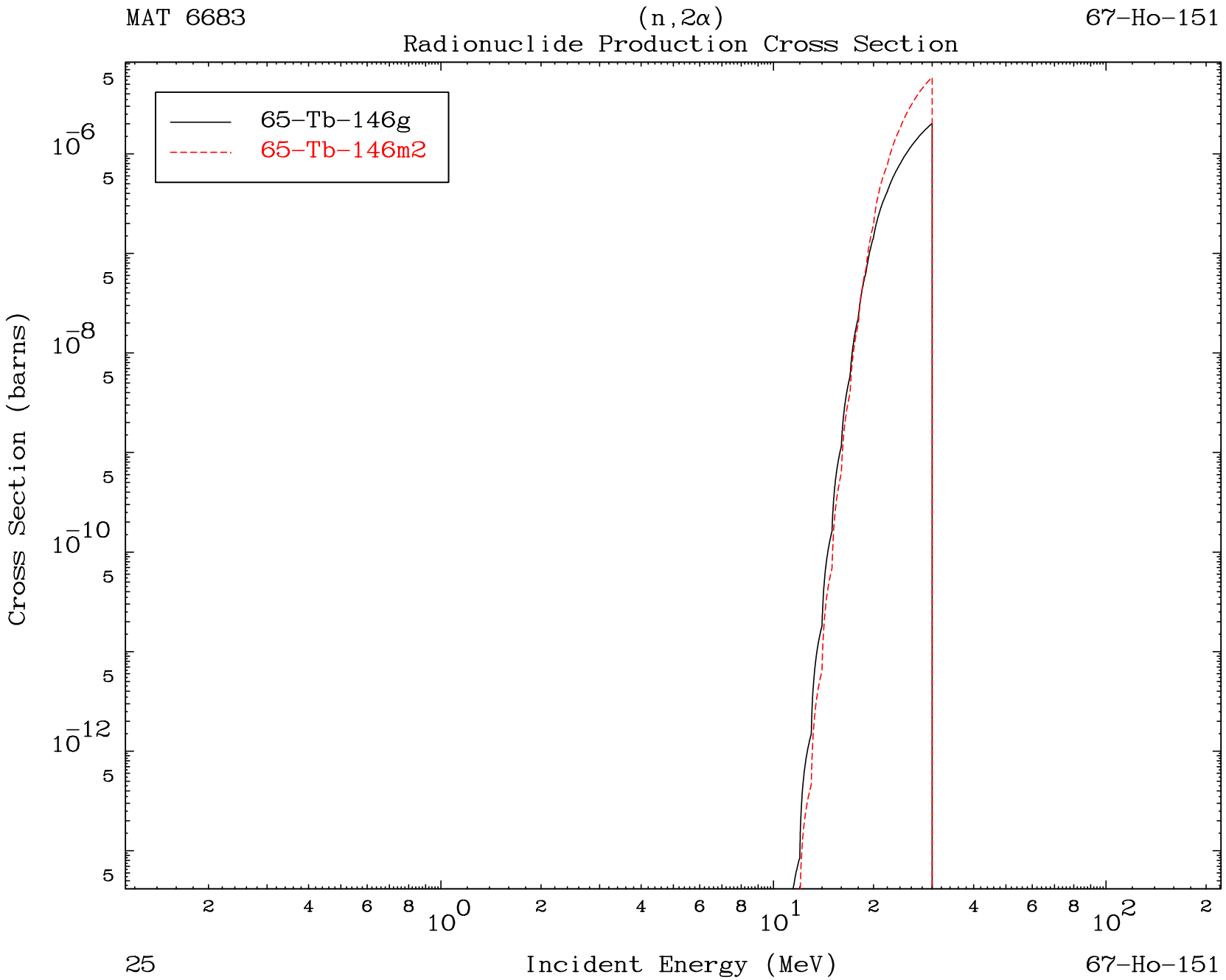

MAT 6683
(n,2n) p
67-Ho-151
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
Incident Energy (MeV)
20
67-Ho-151

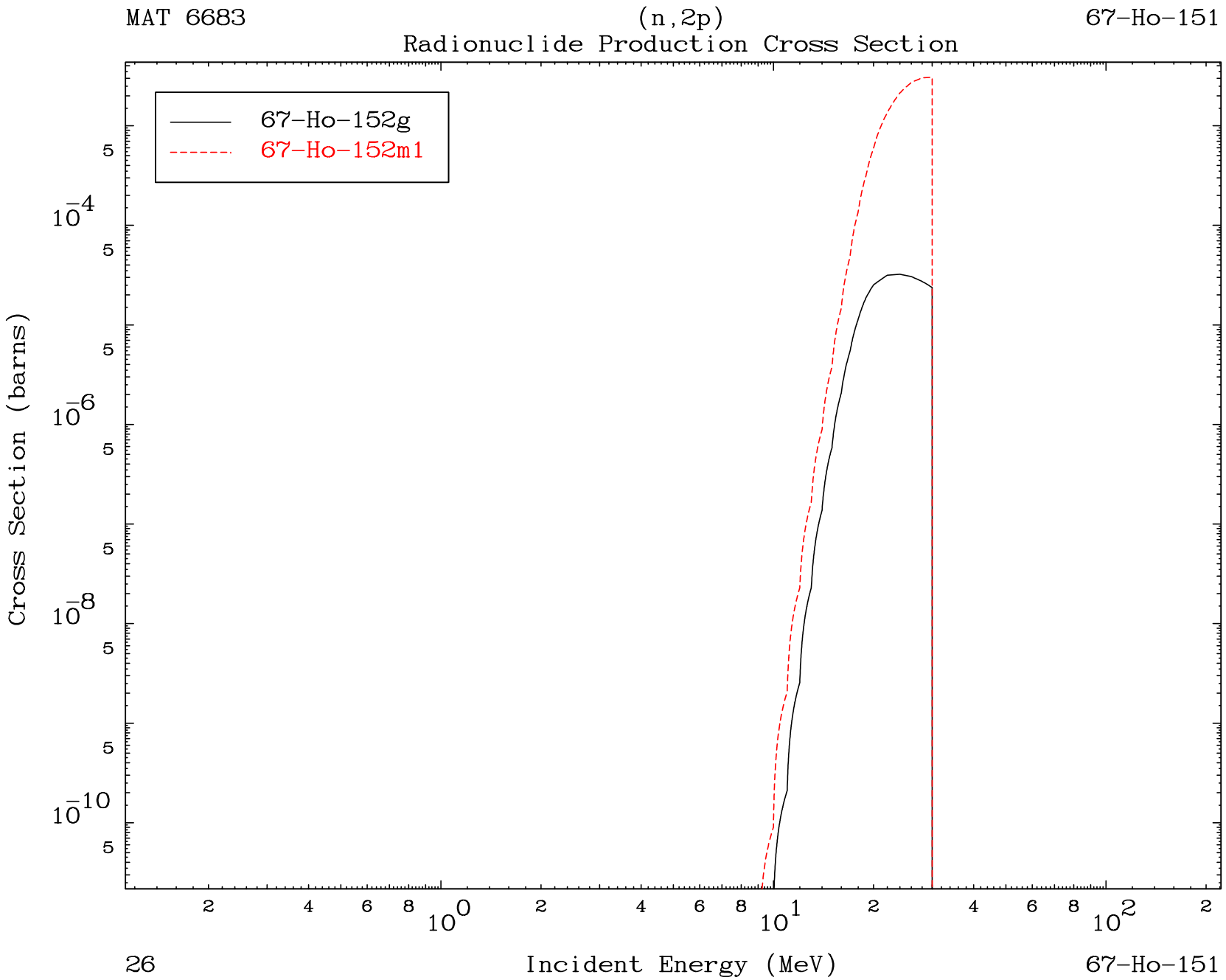

MAT 6683
(n,γ)
67-Ho-151
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
Incident Energy (MeV)
21
67-Ho-151

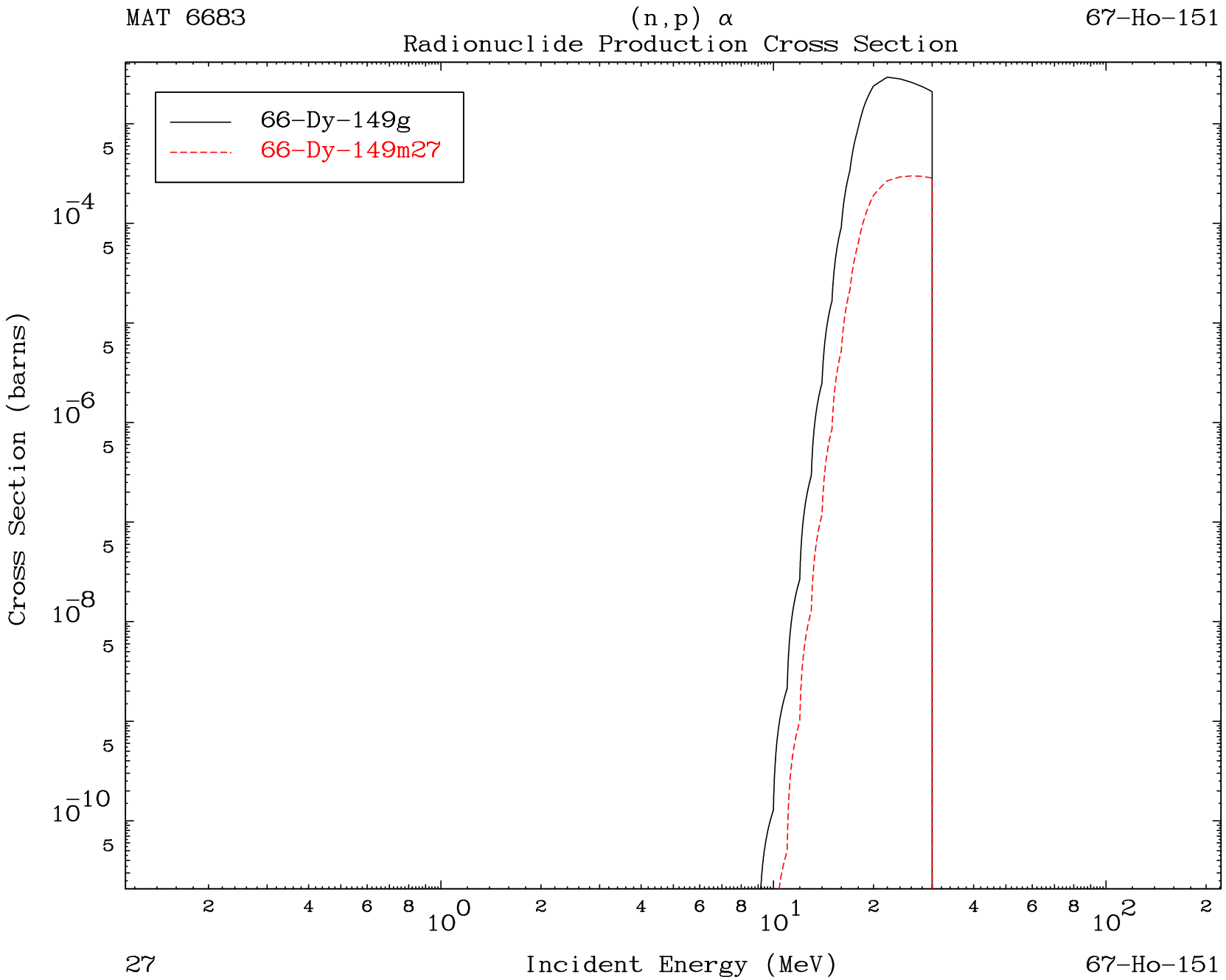

MAT 6683
(n,t)
67-Ho-151
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m21
Cross Section (barns)
Incident Energy (MeV)
22
67-Ho-151

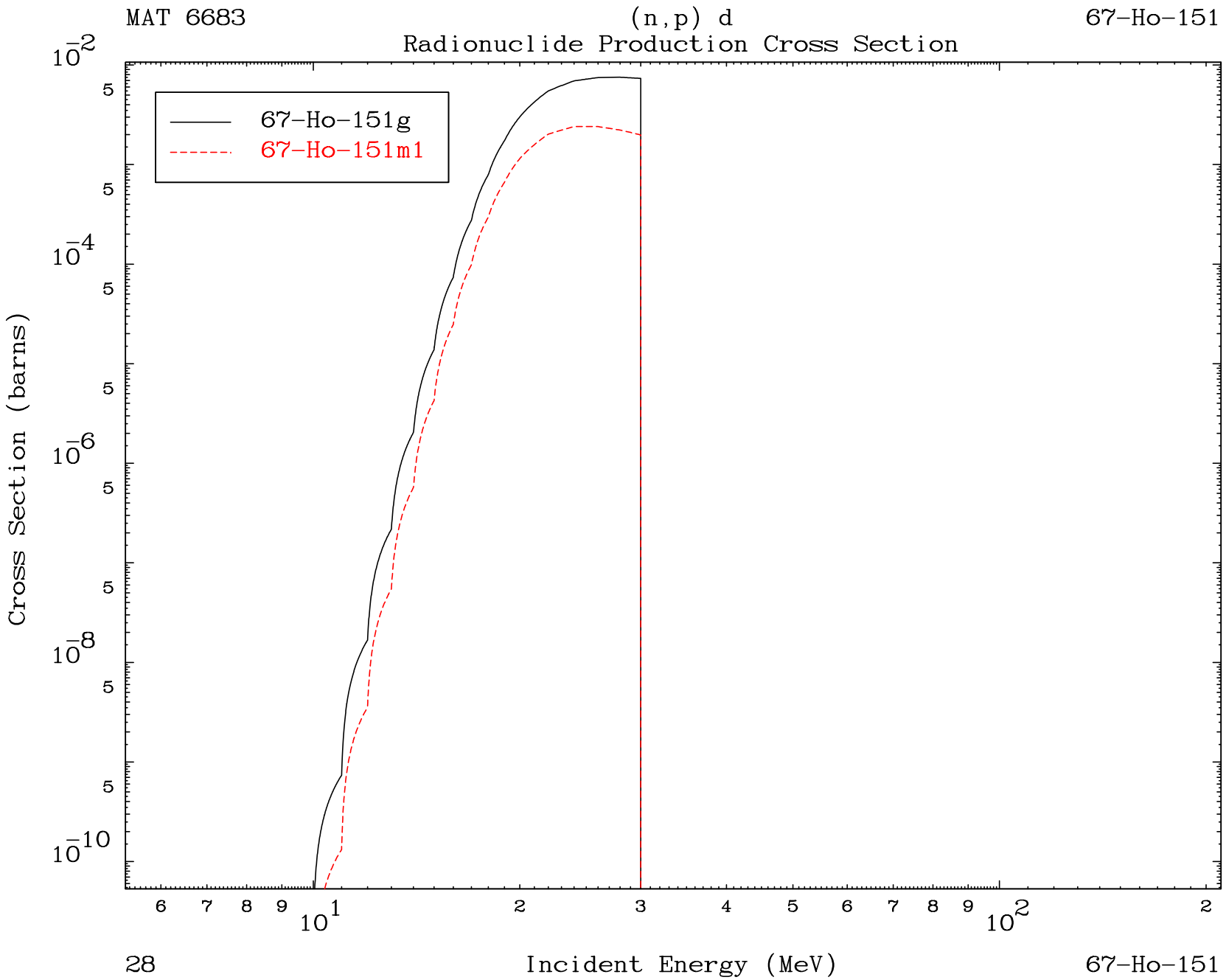

MAT 6683
(n,He-3)
67-Ho-151
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
Incident Energy (MeV)
23
67-Ho-151

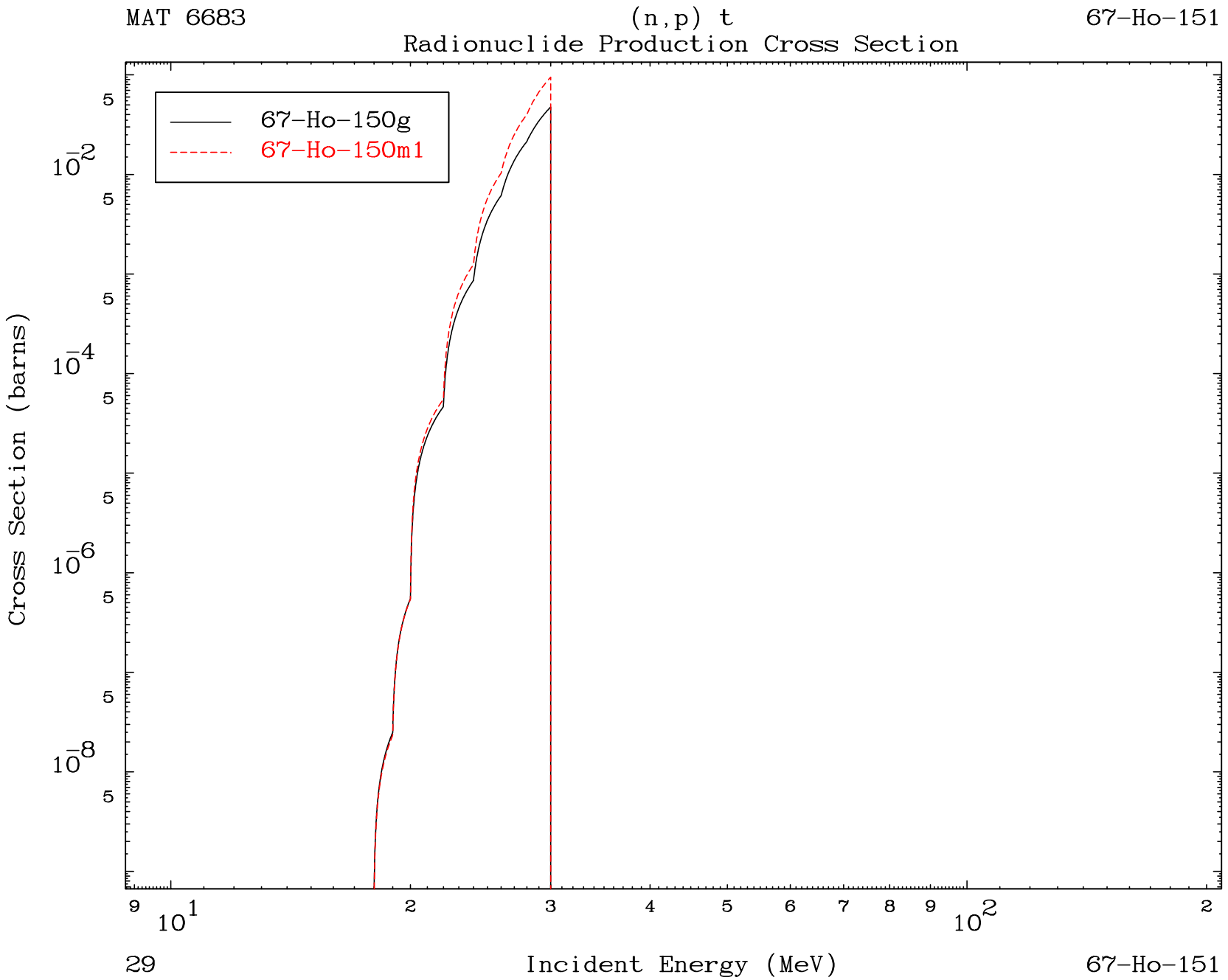

MAT 6683
(n,α)
67-Ho-151
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
Cross Section (barns)
Incident Energy (MeV)
24
67-Ho-151


MAT 6683
(n,2α)
67-Ho-151
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
Incident Energy (MeV)
25
67-Ho-151


MAT 6683
(n,2p)
67-Ho-151
Radionuclide Production Cross Section
67-Ho-152g
67-Ho-152m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
26
67-Ho-151


MAT 6683
(n,p) α
67-Ho-151
Radionuclide Production Cross Section
66-Dy-149g
66-Dy-149m27
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
27
67-Ho-151


MAT 6683
(n,p) d
67-Ho-151
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
Incident Energy (MeV)
28
67-Ho-151


MAT 6683
(n,p) t
67-Ho-151
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
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
29
Incident Energy (MeV)
67-Ho-151