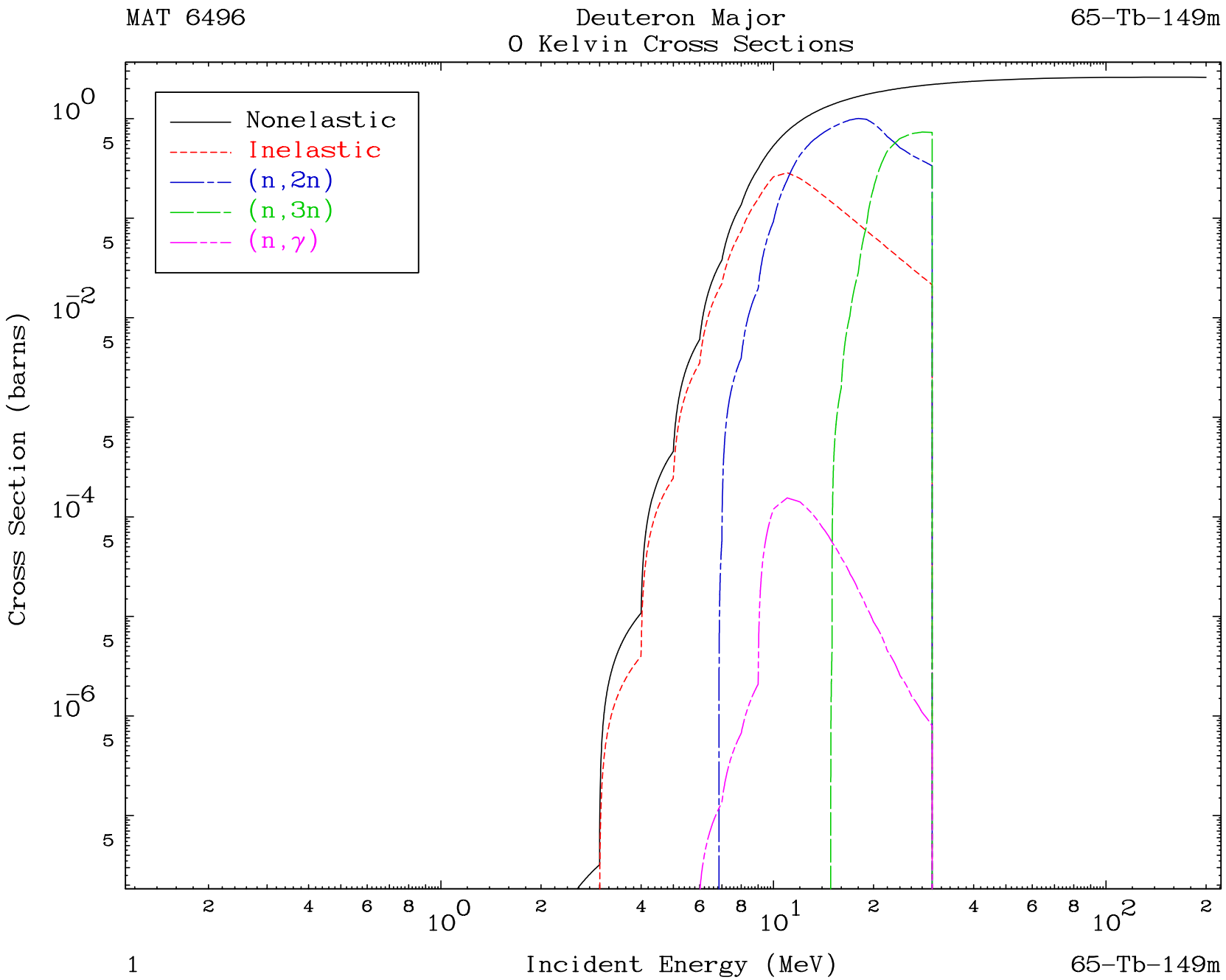
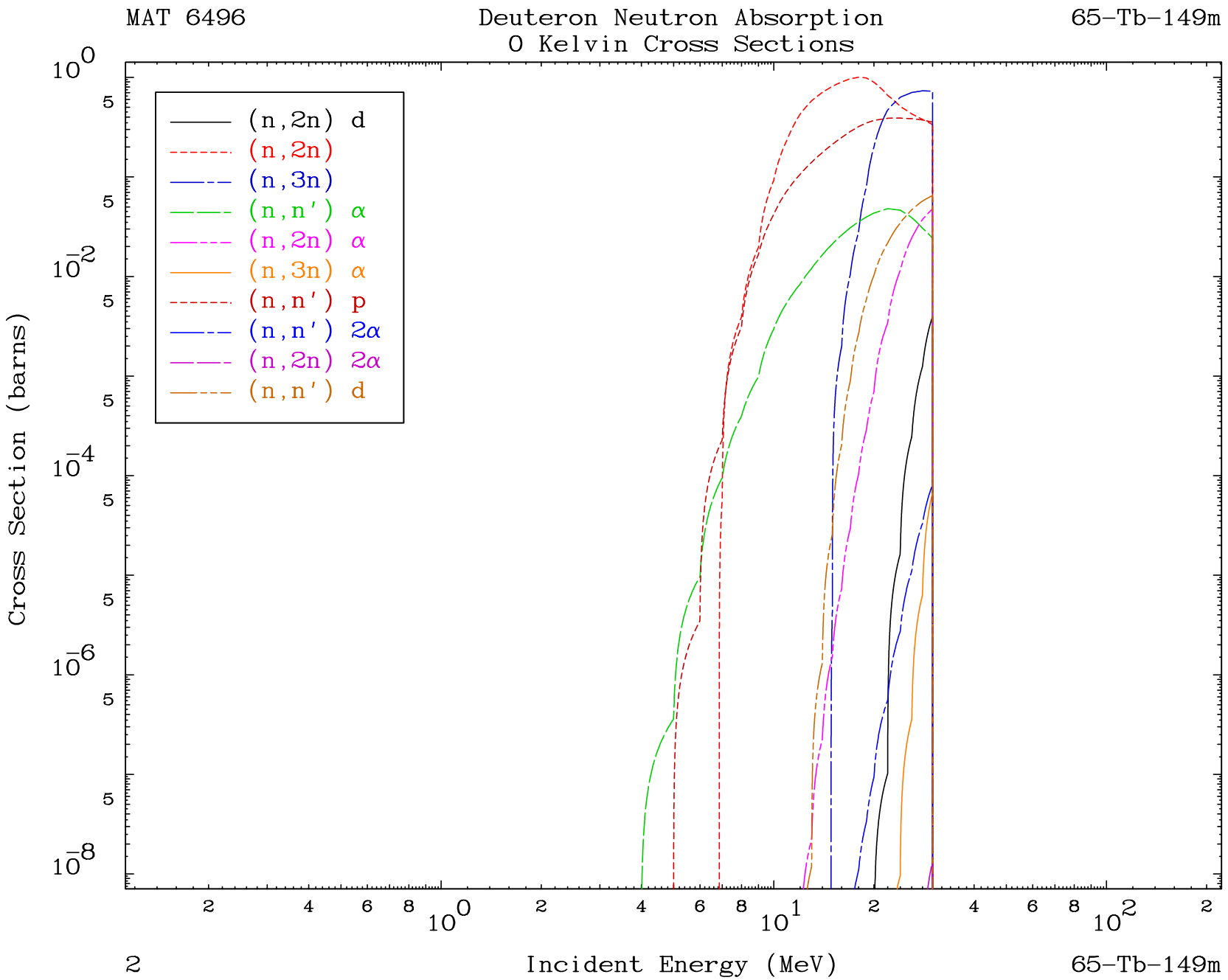
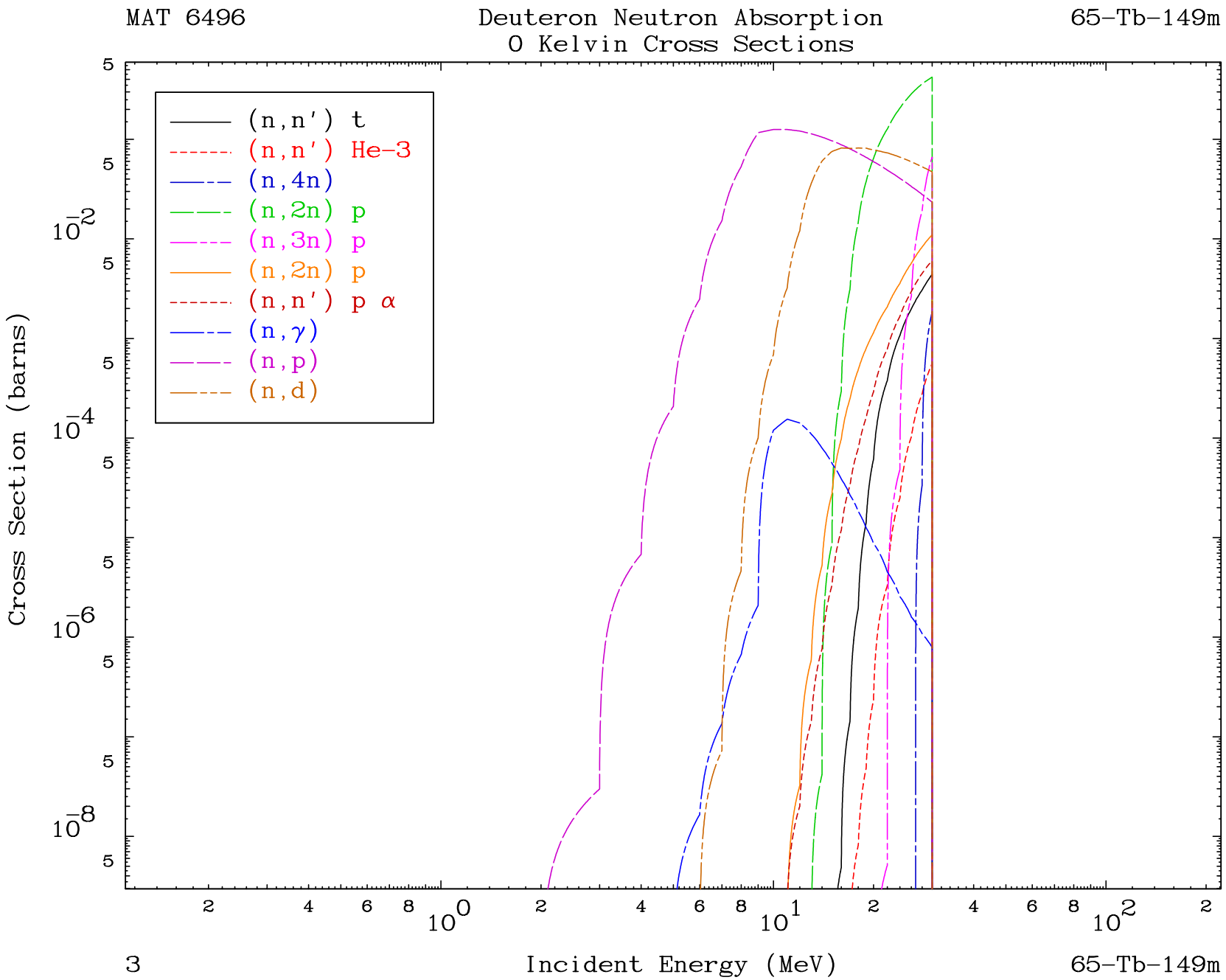
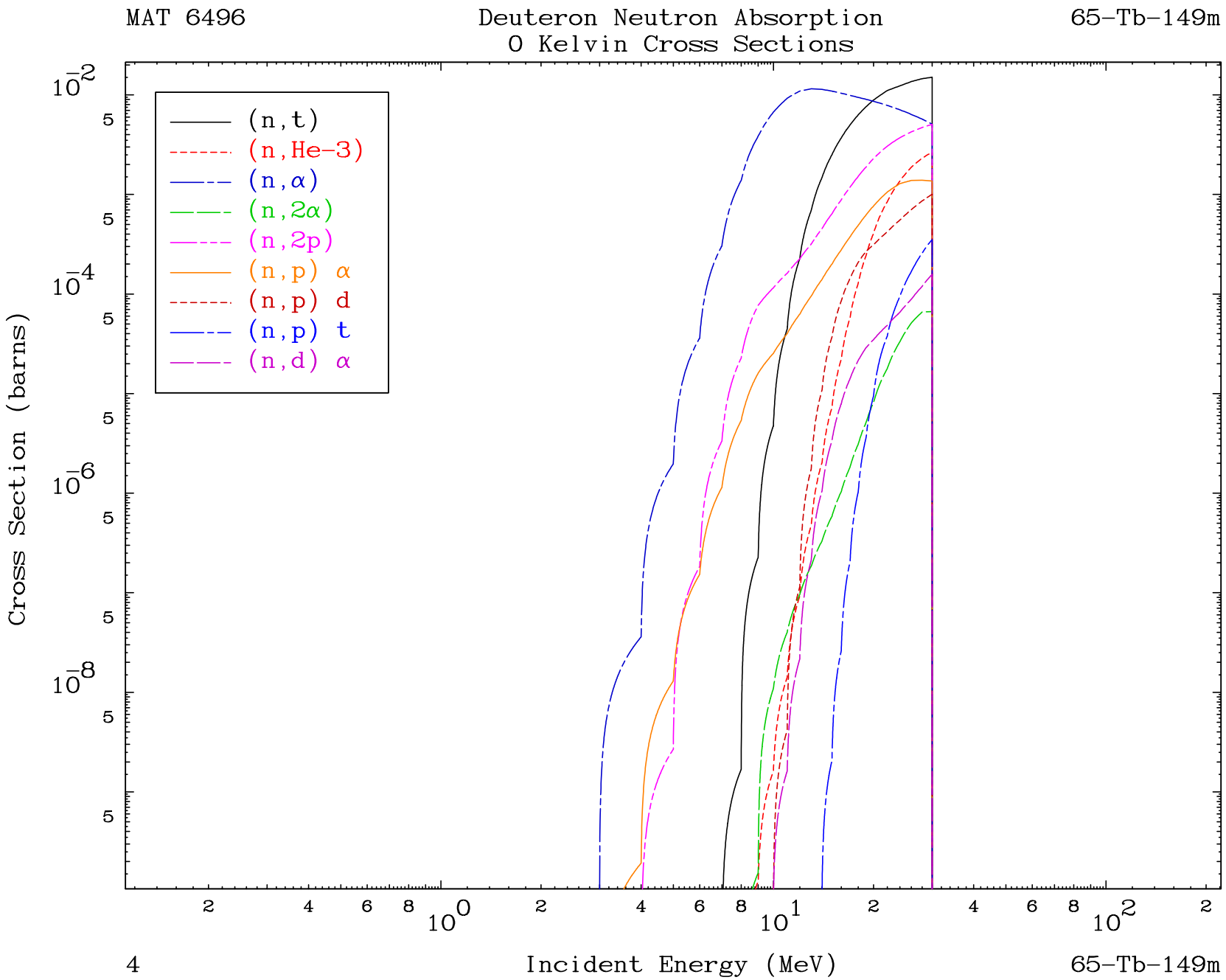
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

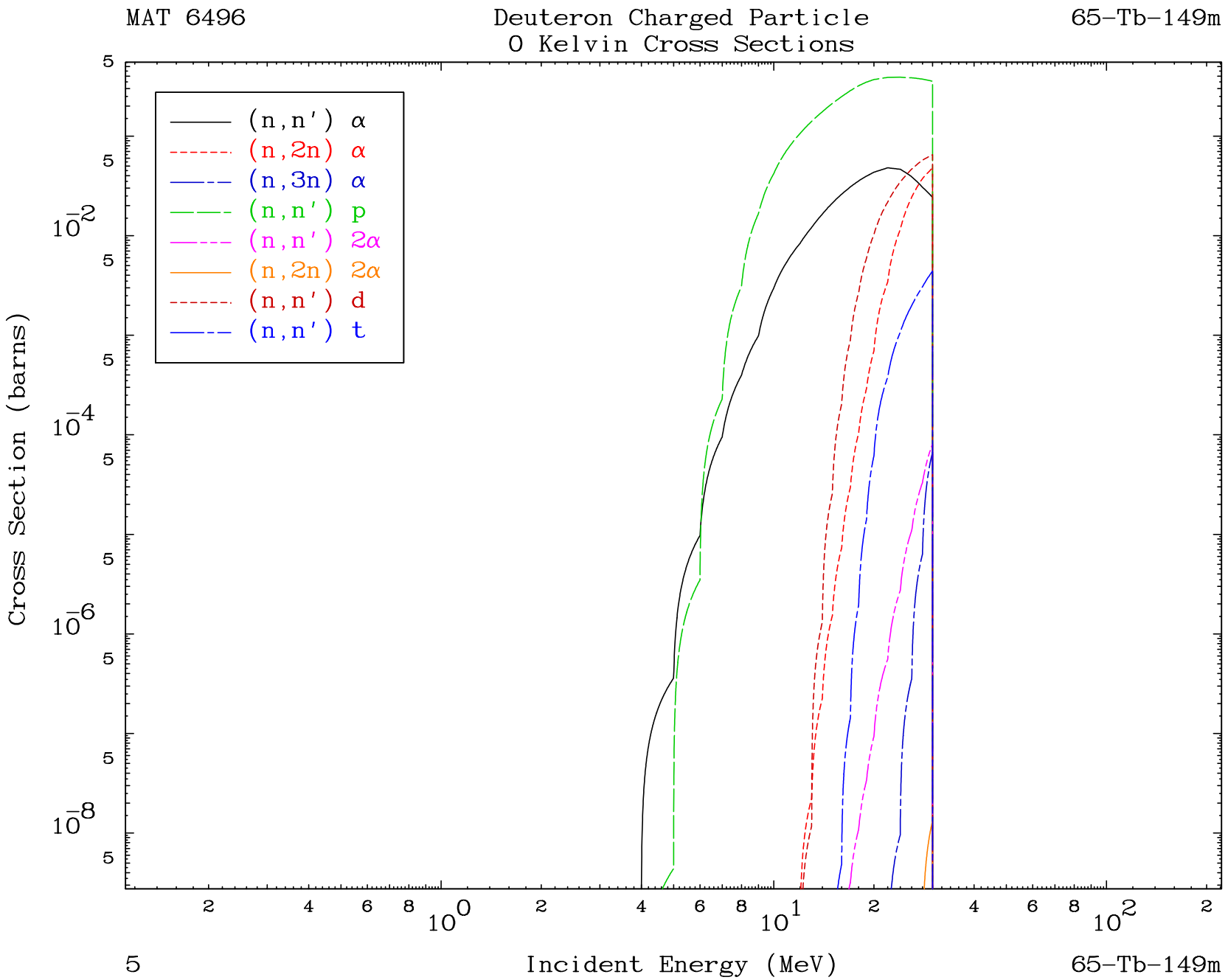
Press Mouse Button to Start

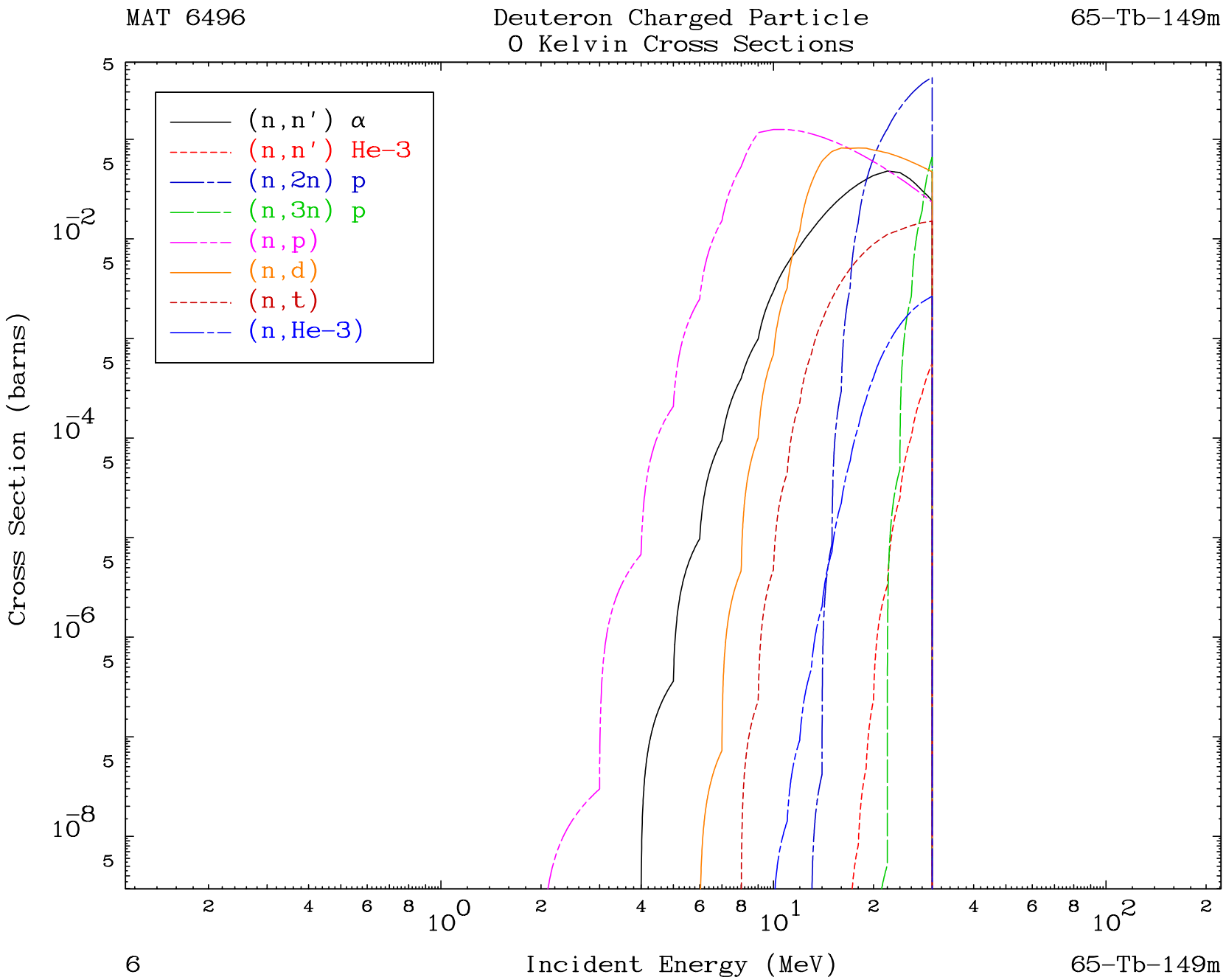

MAT 6496
Deuteron Major
65-Tb-149m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-149m
1

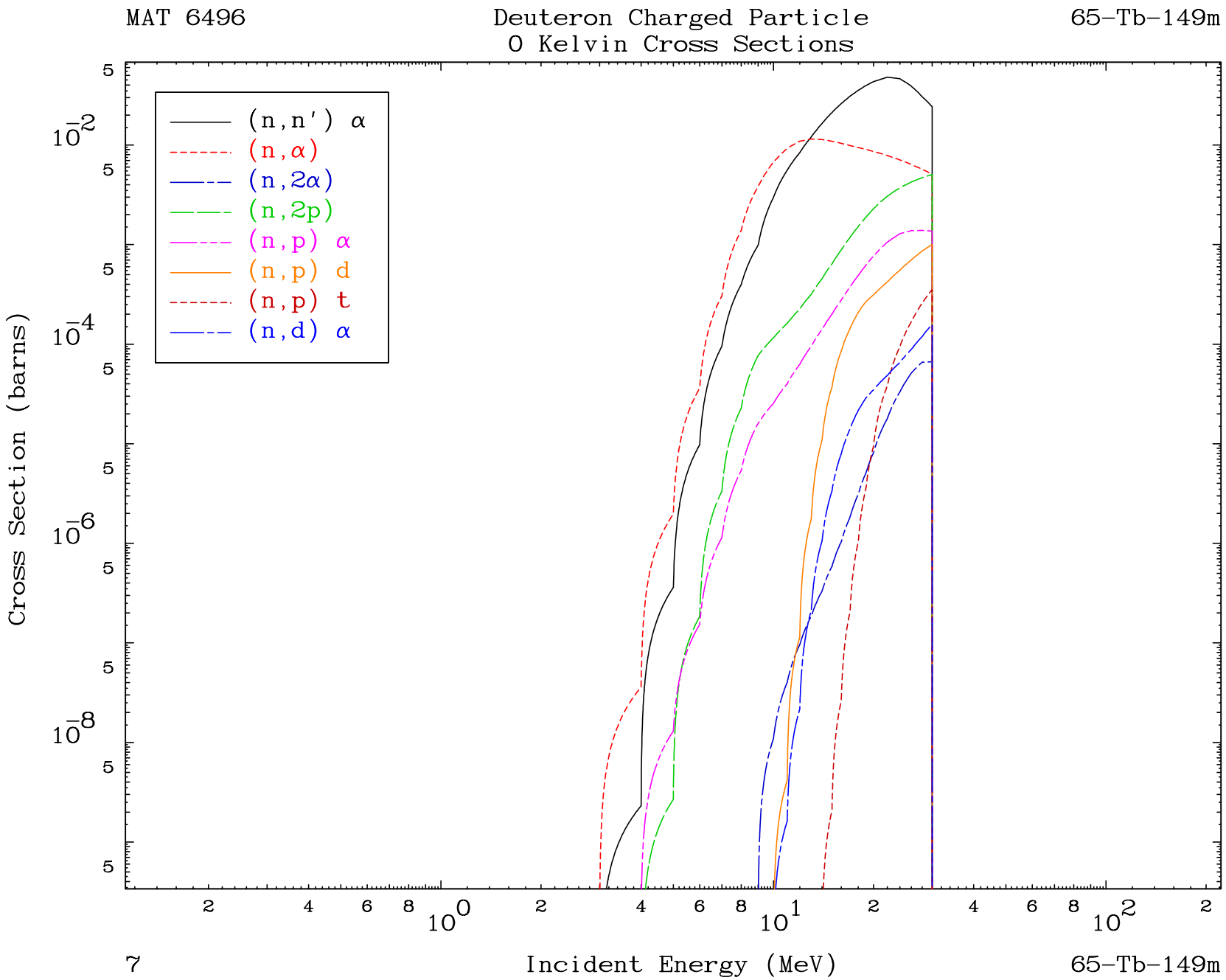

MAT 6496
Deuteron Neutron Absorption
0 Kelvin Cross Sections
65-Tb-149m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
65-Tb-149m
2

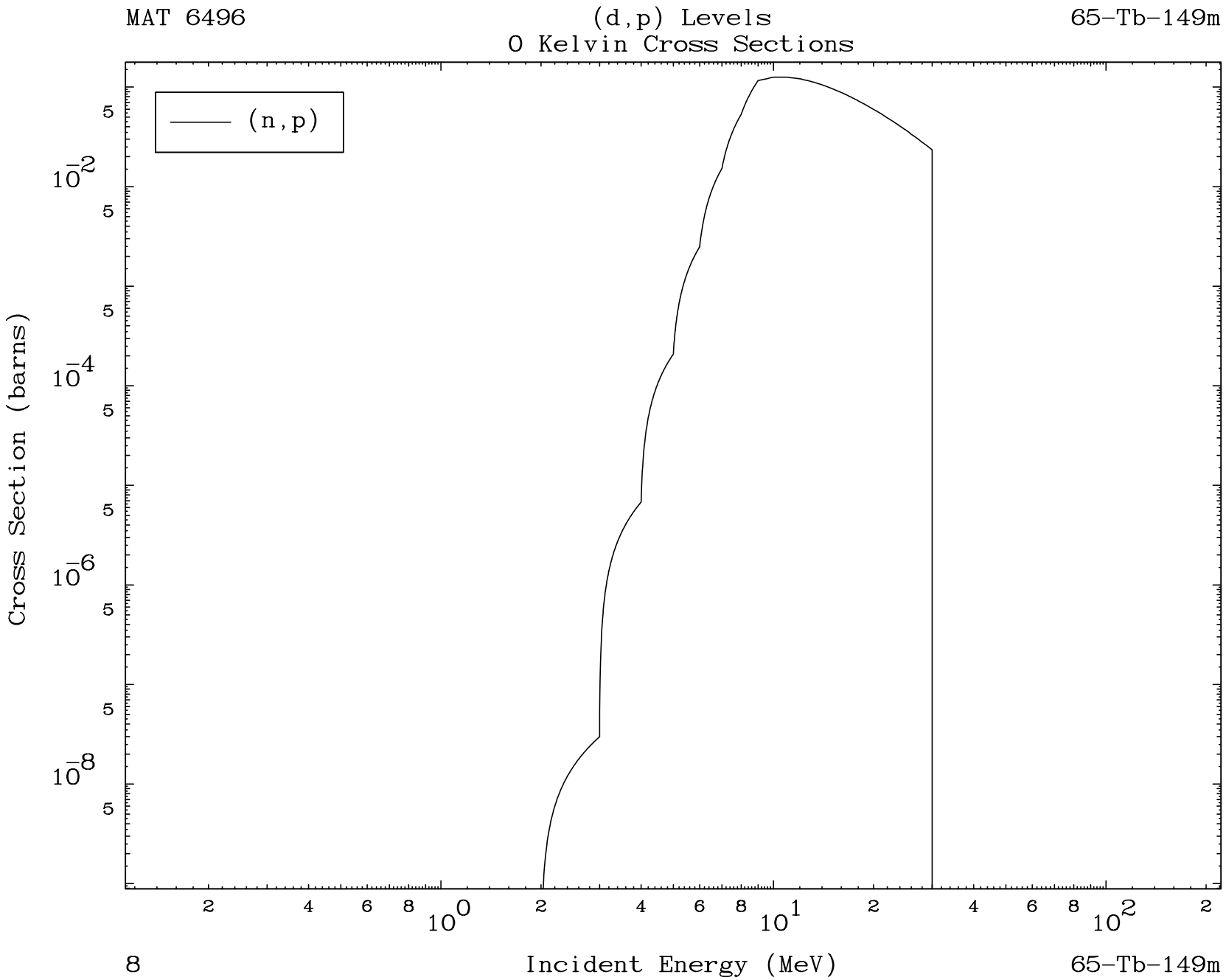

MAT 6496
Deuteron Neutron Absorption
0 Kelvin Cross Sections
65-Tb-149m
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
65-Tb-149m

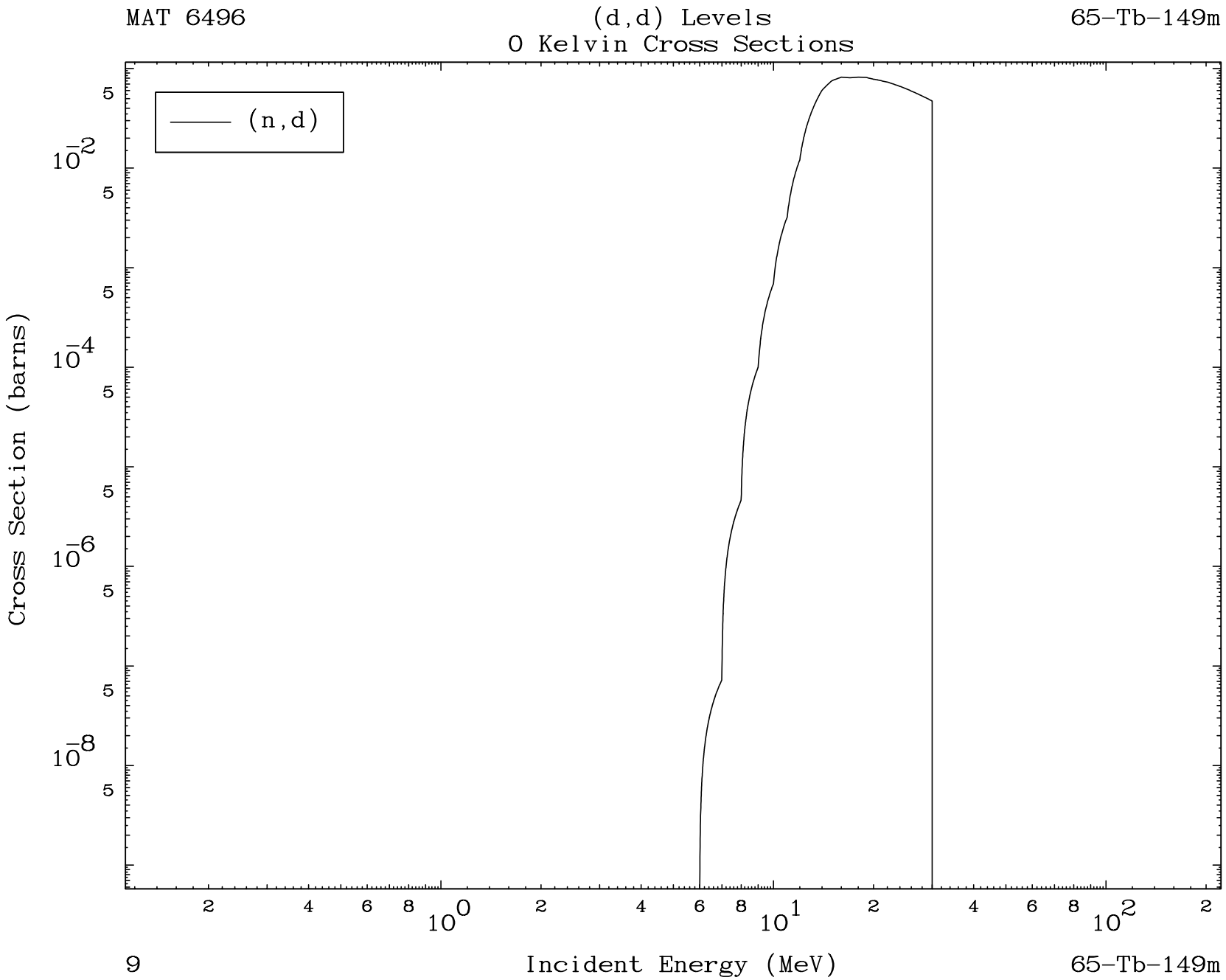

MAT 6496
Deuteron Neutron Absorption
0 Kelvin Cross Sections
65-Tb-149m
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
65-Tb-149m
4

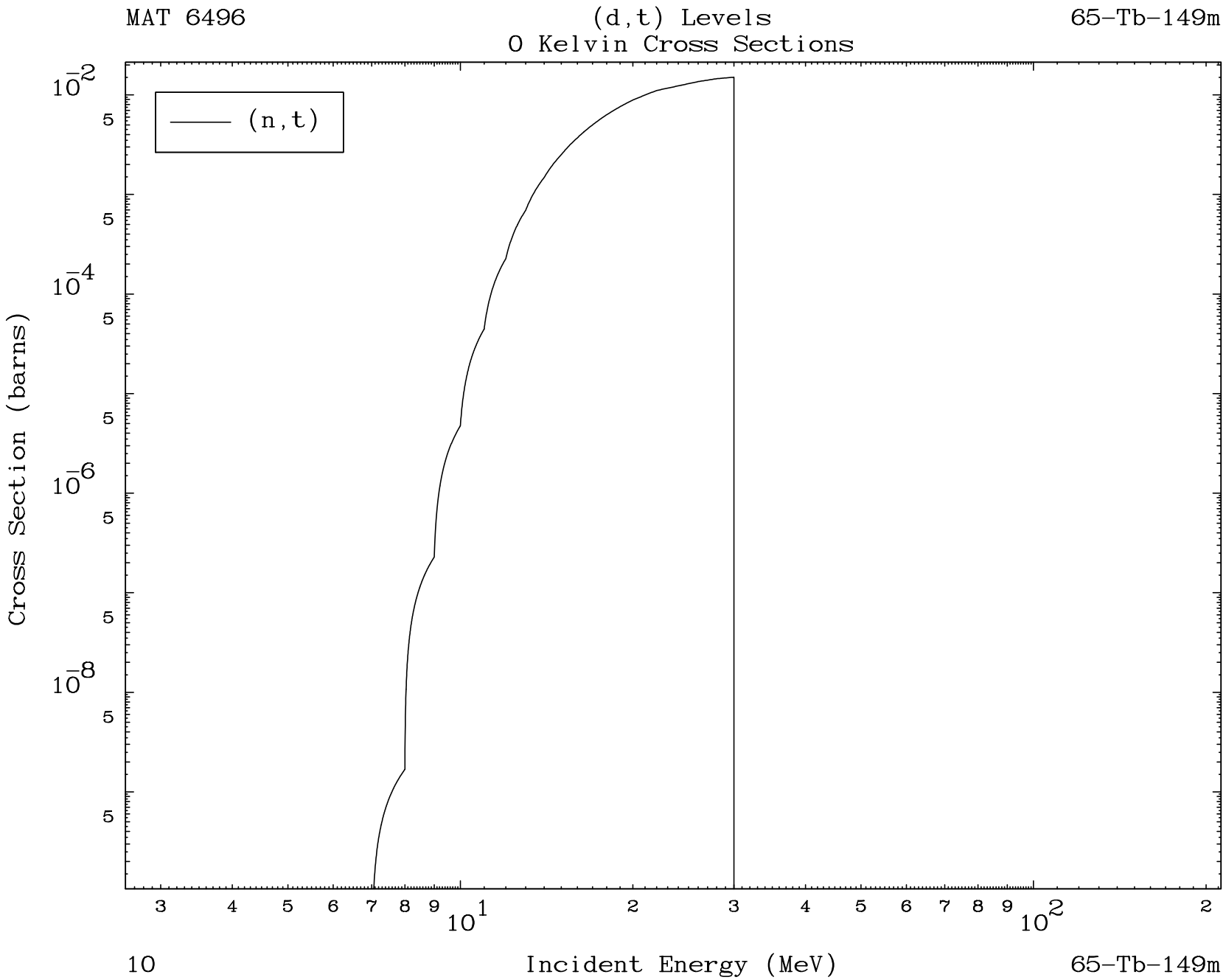

MAT 6496
Deuteron Charged Particle
0 Kelvin Cross Sections
65-Tb-149m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
65-Tb-149m

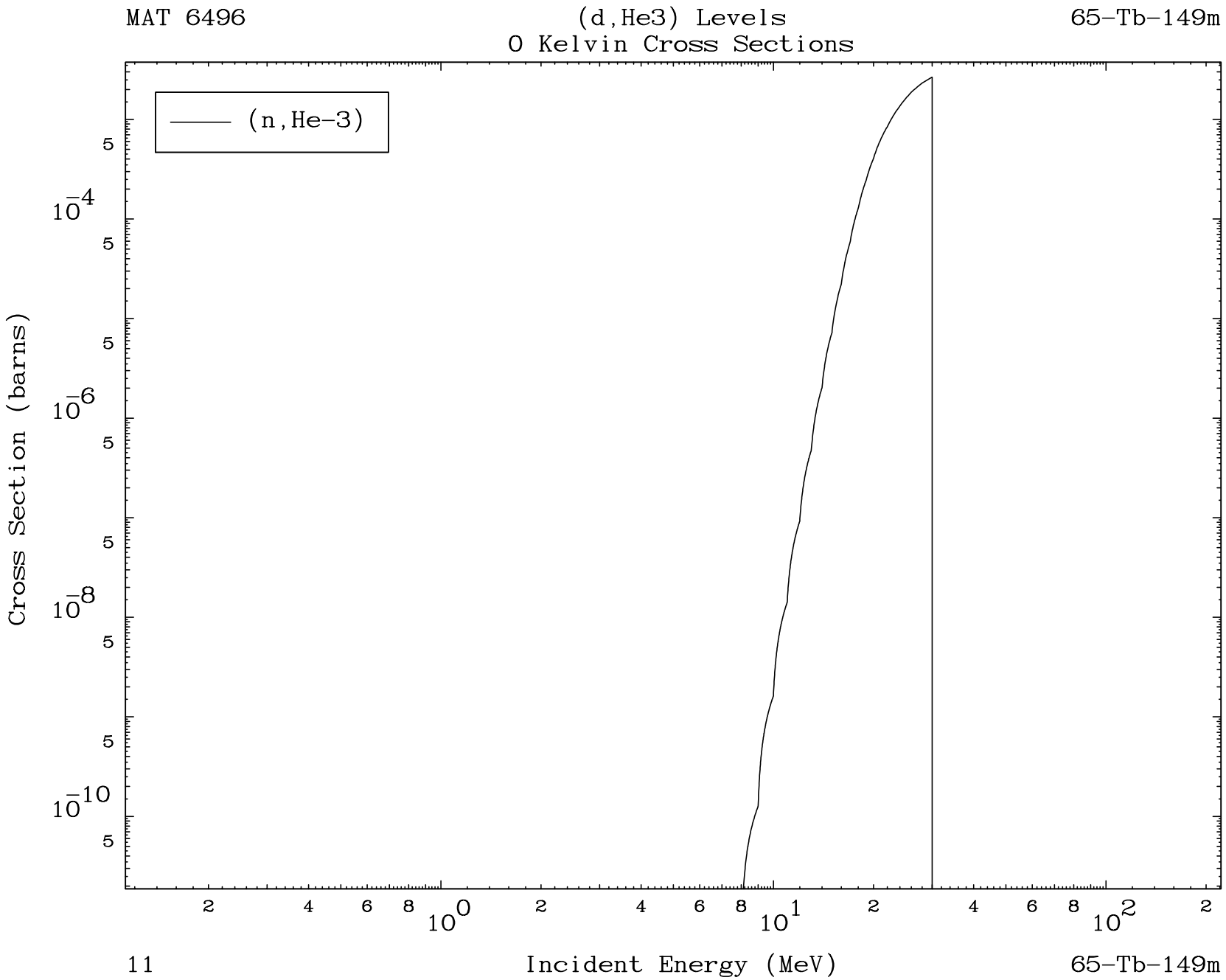

MAT 6496
Deuteron Charged Particle
0 Kelvin Cross Sections
65-Tb-149m
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
65-Tb-149m

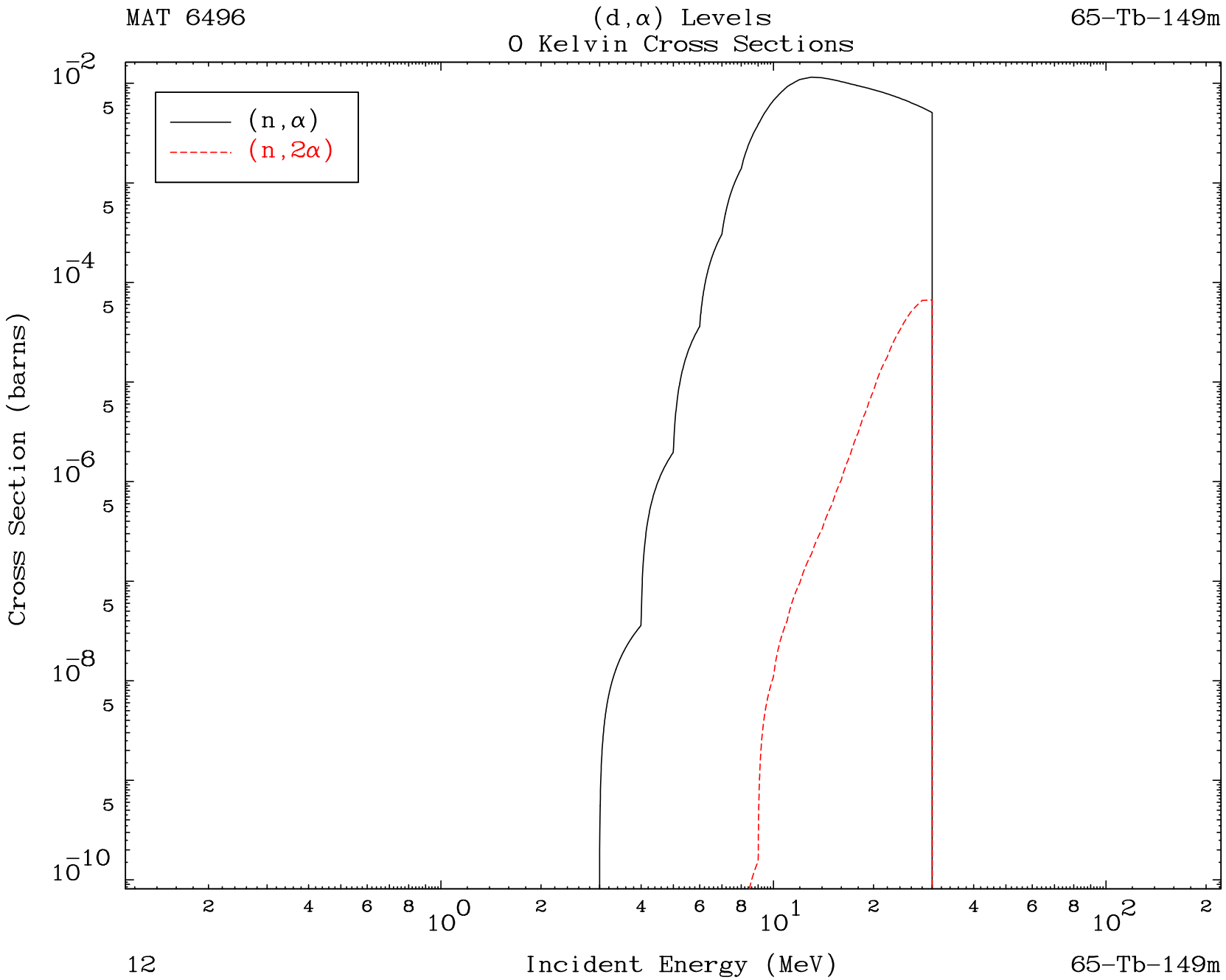

MAT 6496
Deuteron Charged Particle
0 Kelvin Cross Sections
65-Tb-149m
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
65-Tb-149m
7

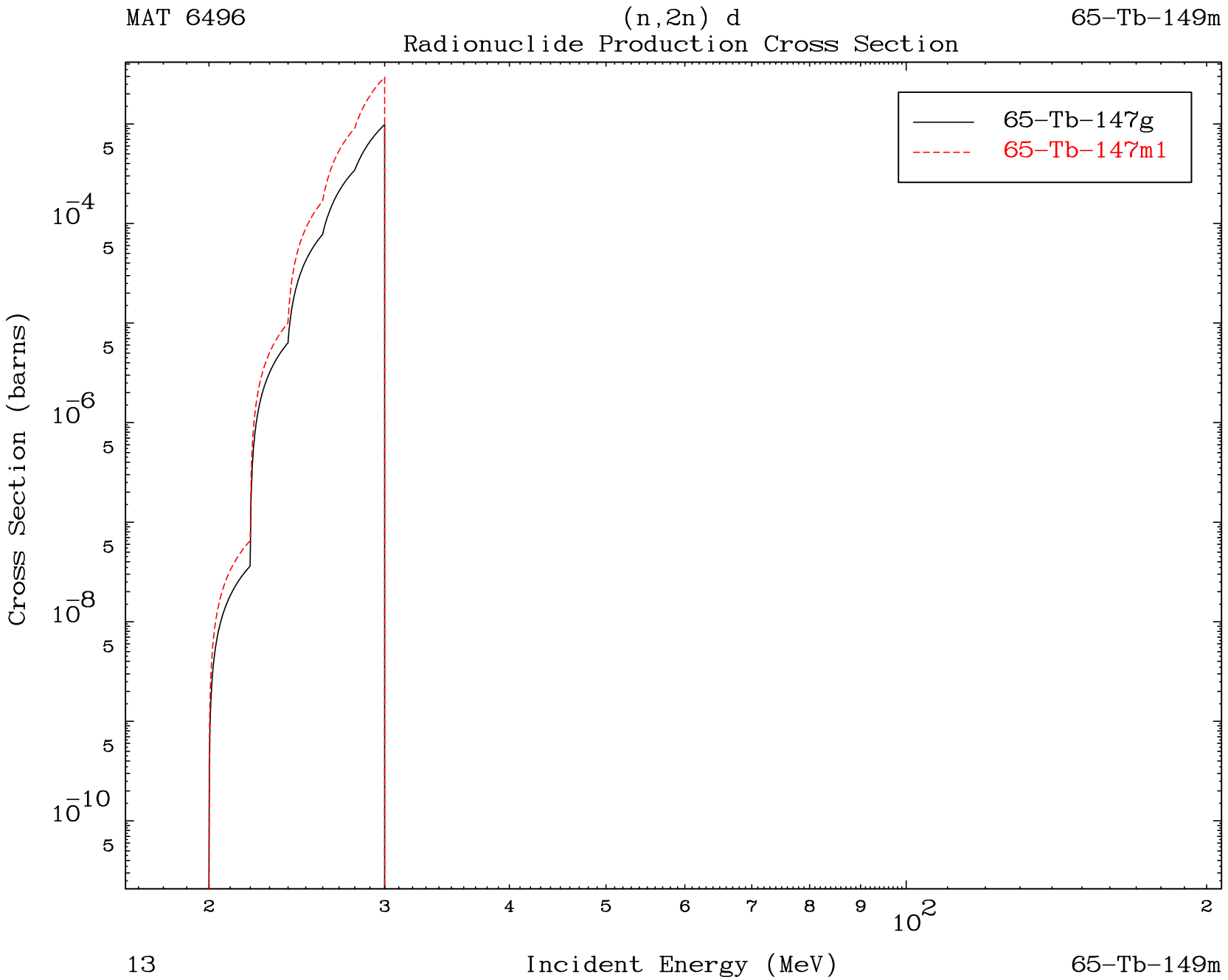

MAT 6496
(d,p) Levels
65-Tb-149m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
65-Tb-149m

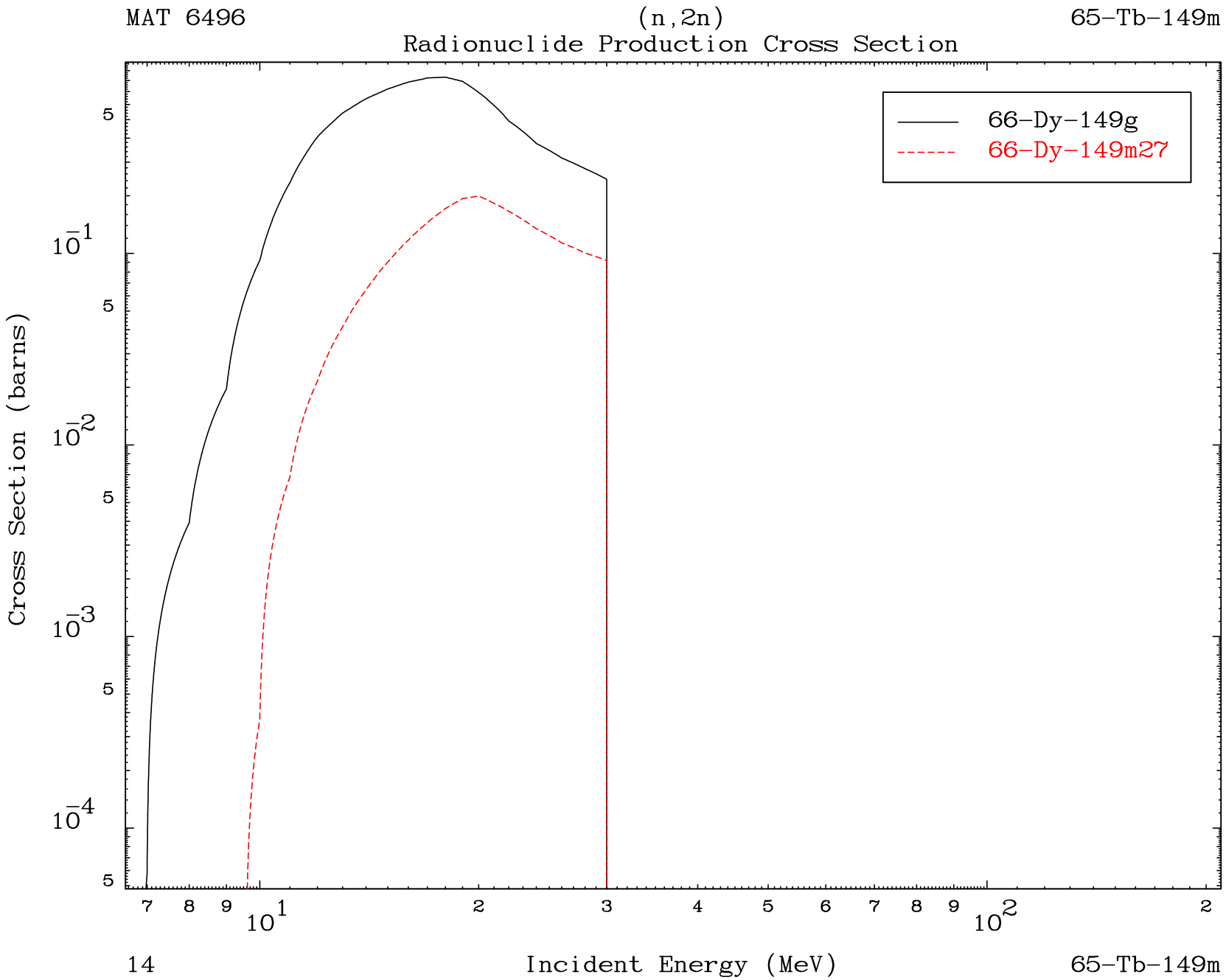

MAT 6496
(d,d) Levels
65-Tb-149m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
65-Tb-149m

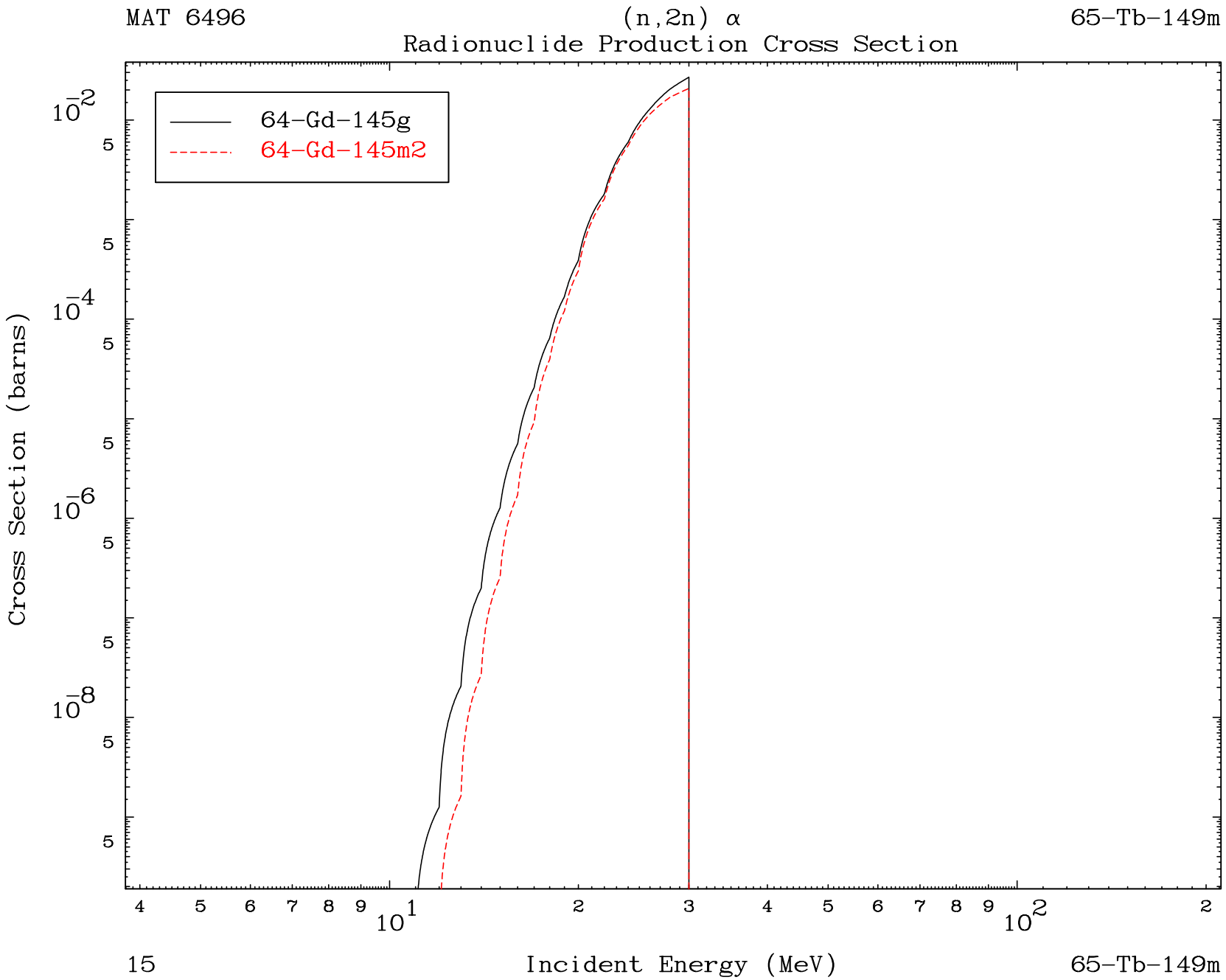

MAT 6496
(d,t) Levels
65-Tb-149m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-149m

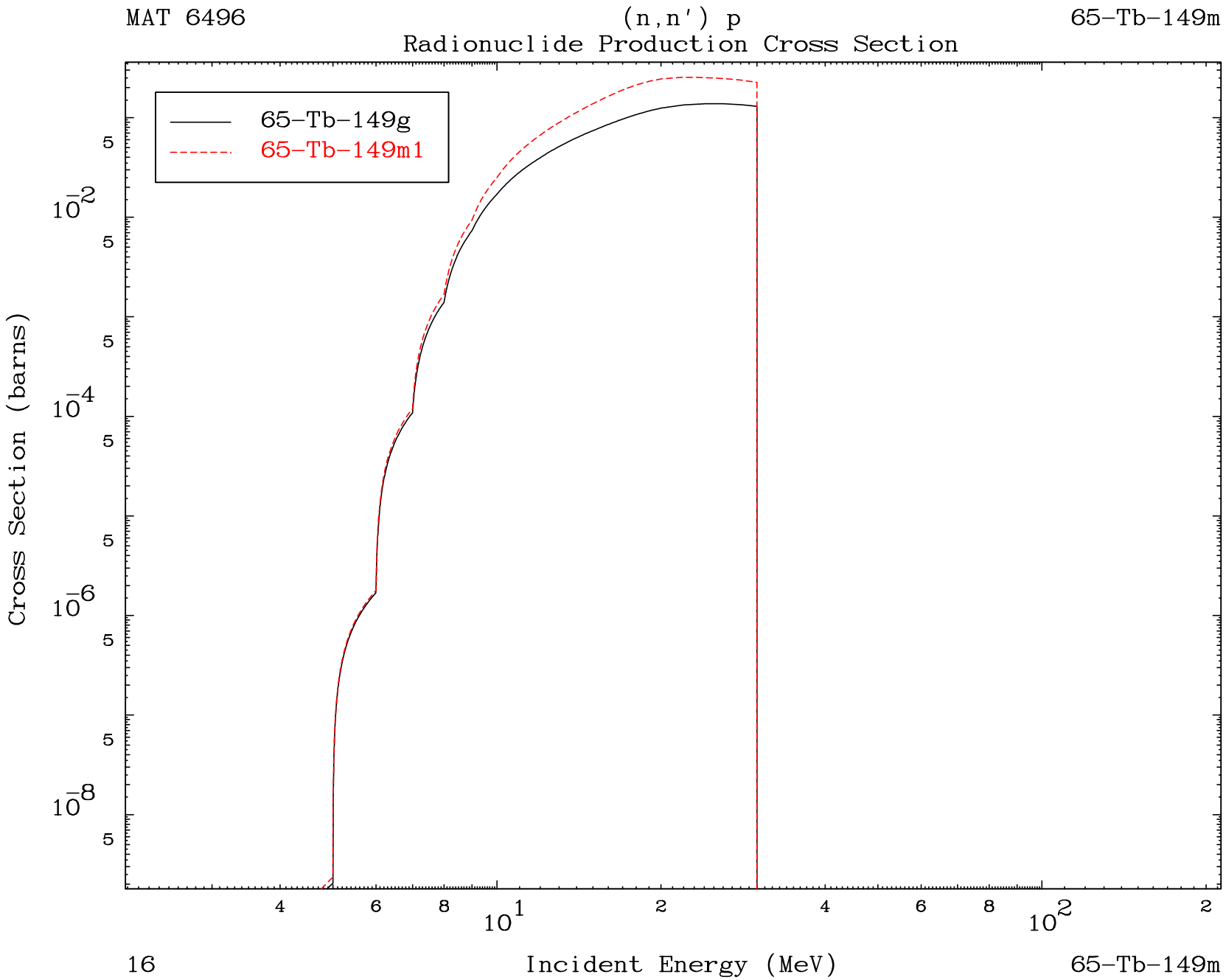

MAT 6496
(d,He3) Levels
65-Tb-149m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
65-Tb-149m

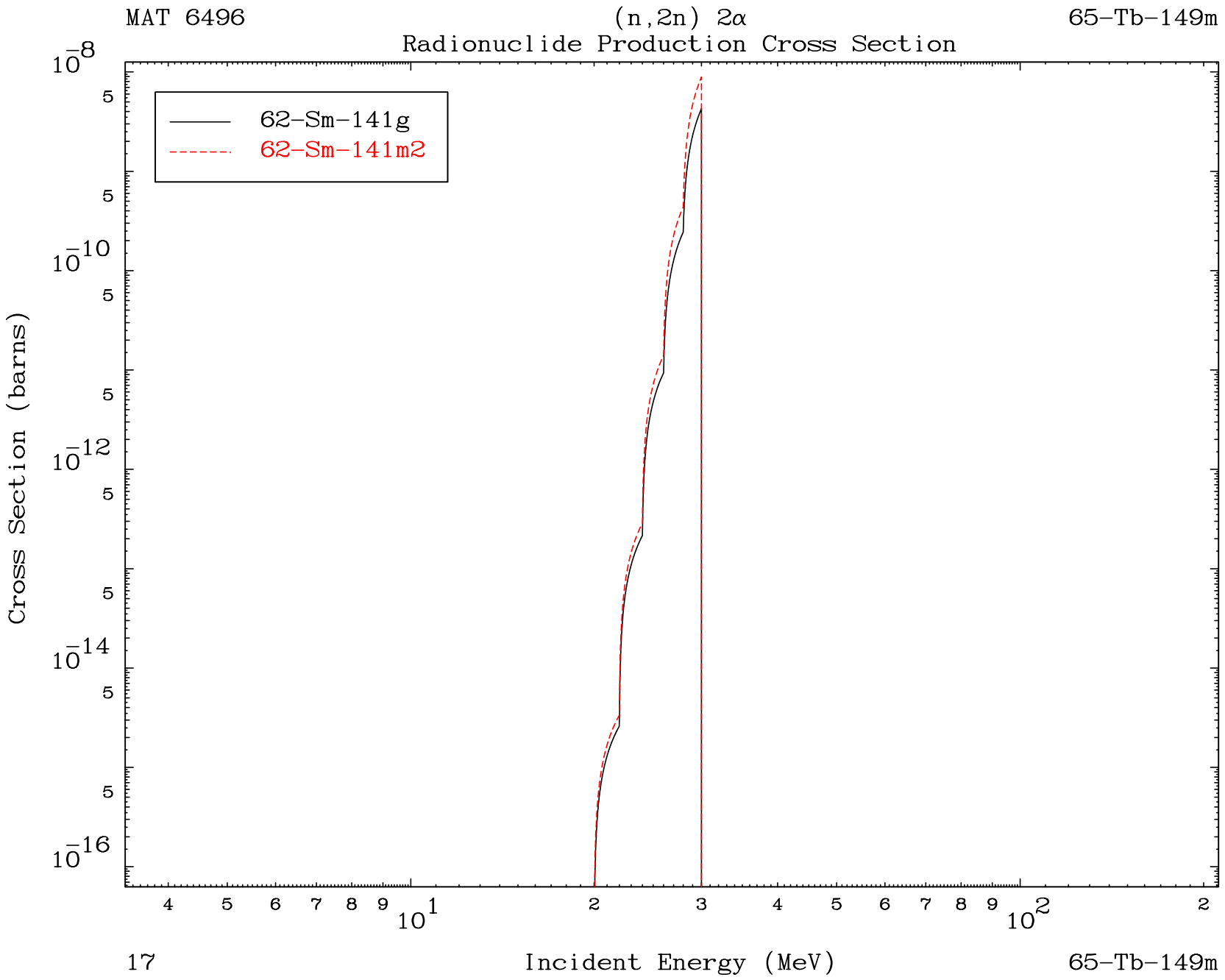

MAT 6496
(d,α) Levels
65-Tb-149m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
65-Tb-149m

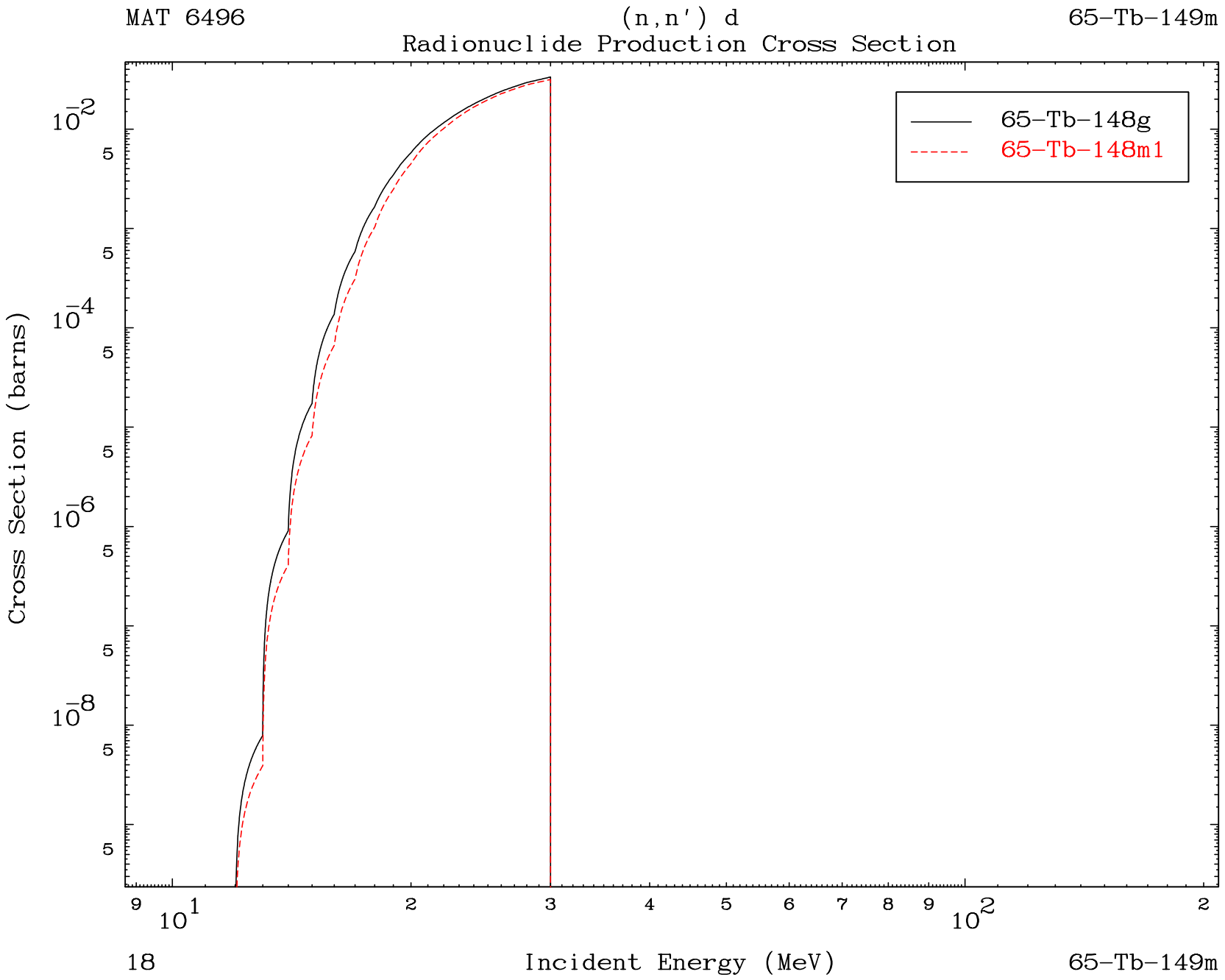

MAT 6496
(n,2n) d
65-Tb-149m
Radionuclide Production Cross Section
65-Tb-147g
65-Tb-147m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
102
2
13
Incident Energy (MeV)
65-Tb-149m

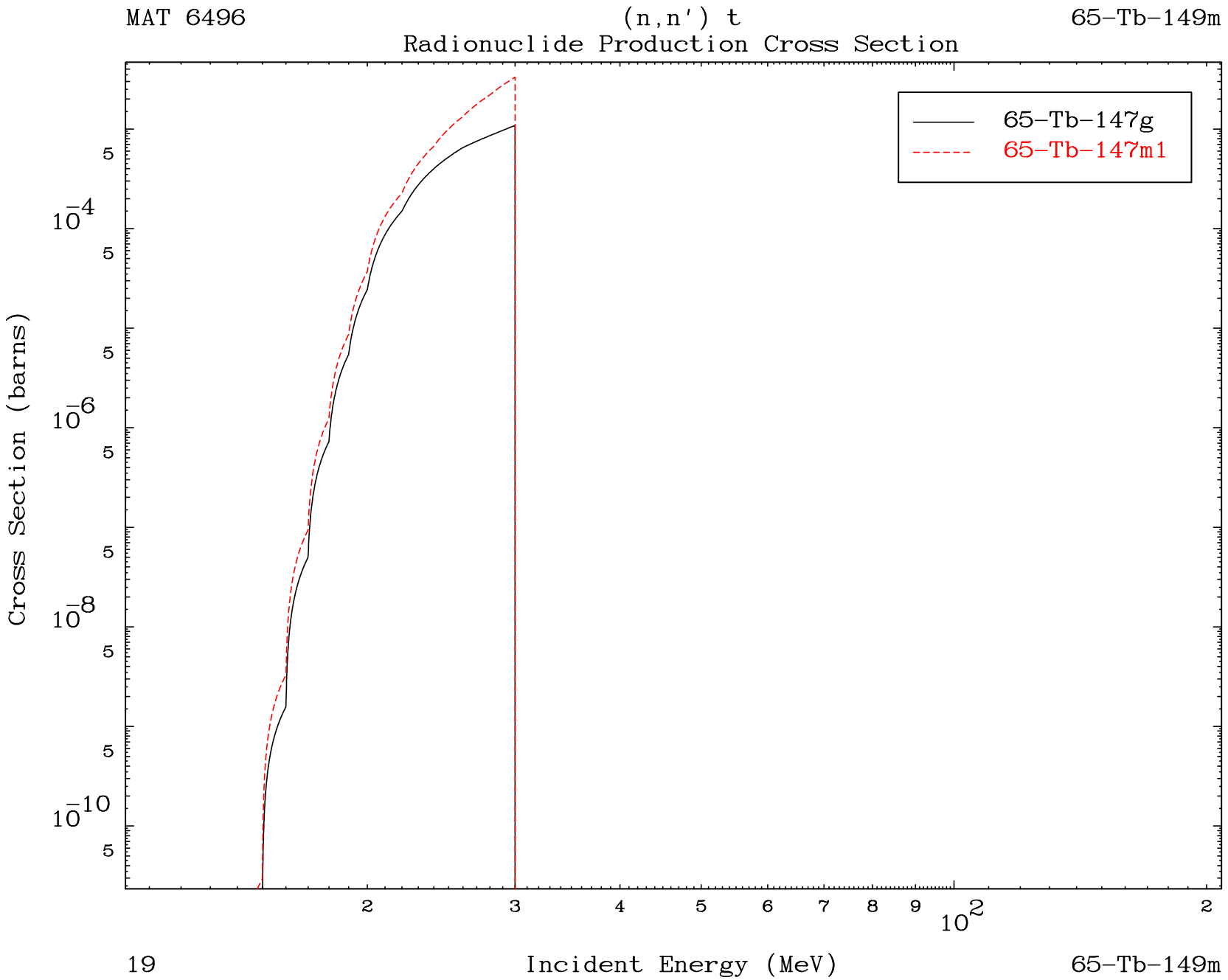

MAT 6496
(n,2n)
65-Tb-149m
Radionuclide Production Cross Section
66-Dy-149g
66-Dy-149m27
Cross Section (barns)
Incident Energy (MeV)
14
65-Tb-149m

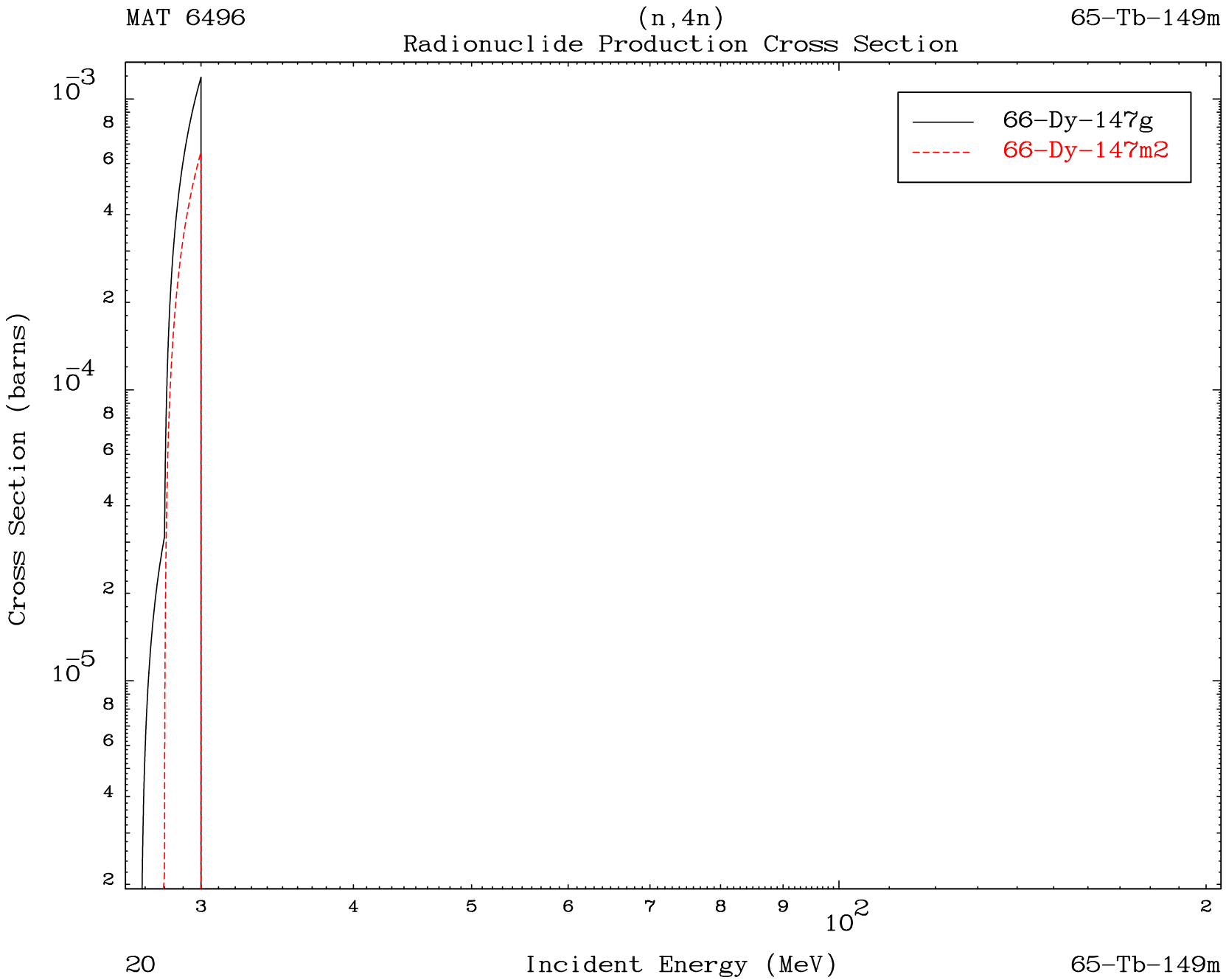

MAT 6496
(n,2n) α
65-Tb-149m
Radionuclide Production Cross Section
64-Gd-145g
64-Gd-145m2
Cross Section (barns)
Incident Energy (MeV)
15
65-Tb-149m

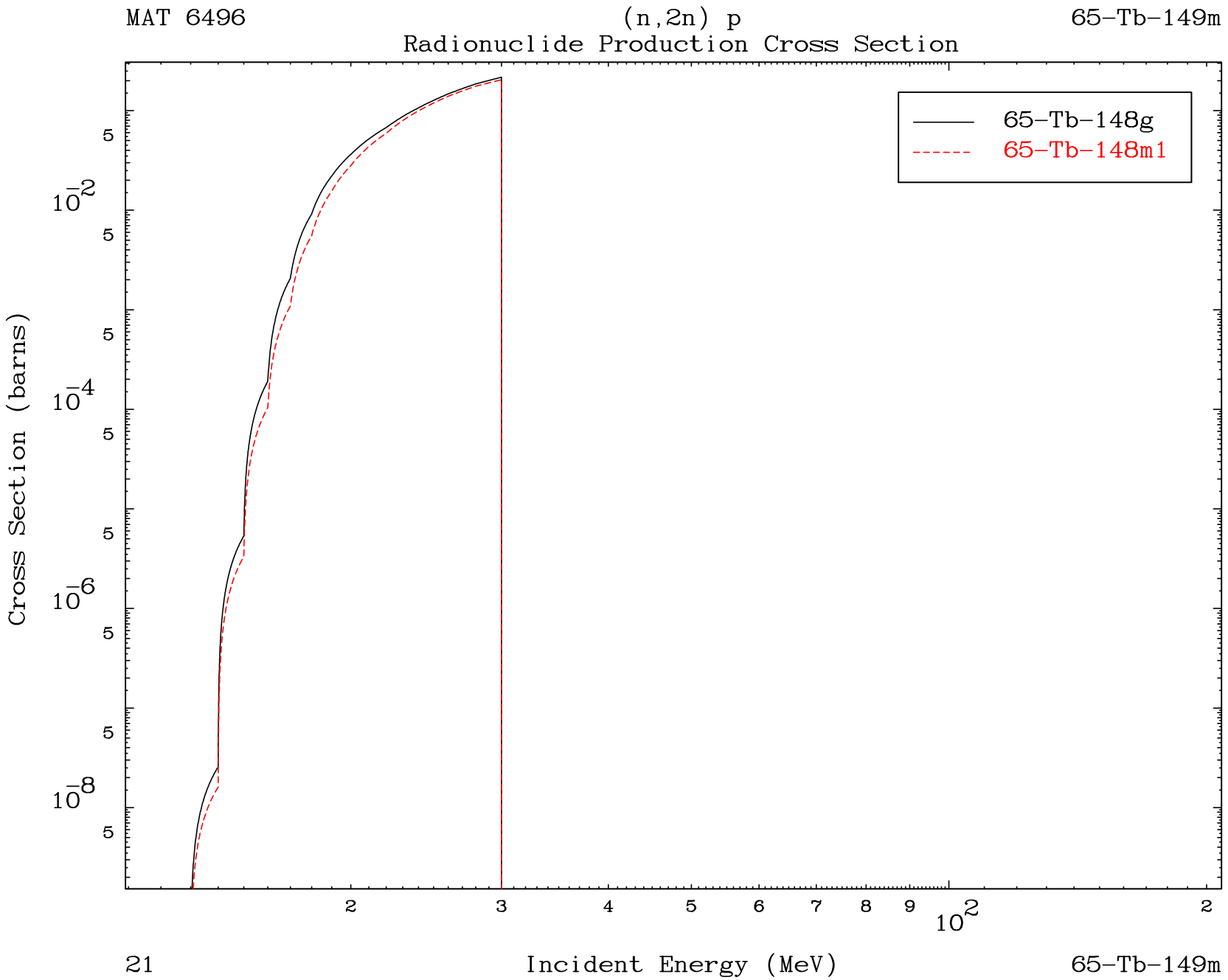

MAT 6496
(n,n') p
65-Tb-149m
Radionuclide Production Cross Section
65-Tb-149g
65-Tb-149m1
Cross Section (barns)
Incident Energy (MeV)
16
65-Tb-149m

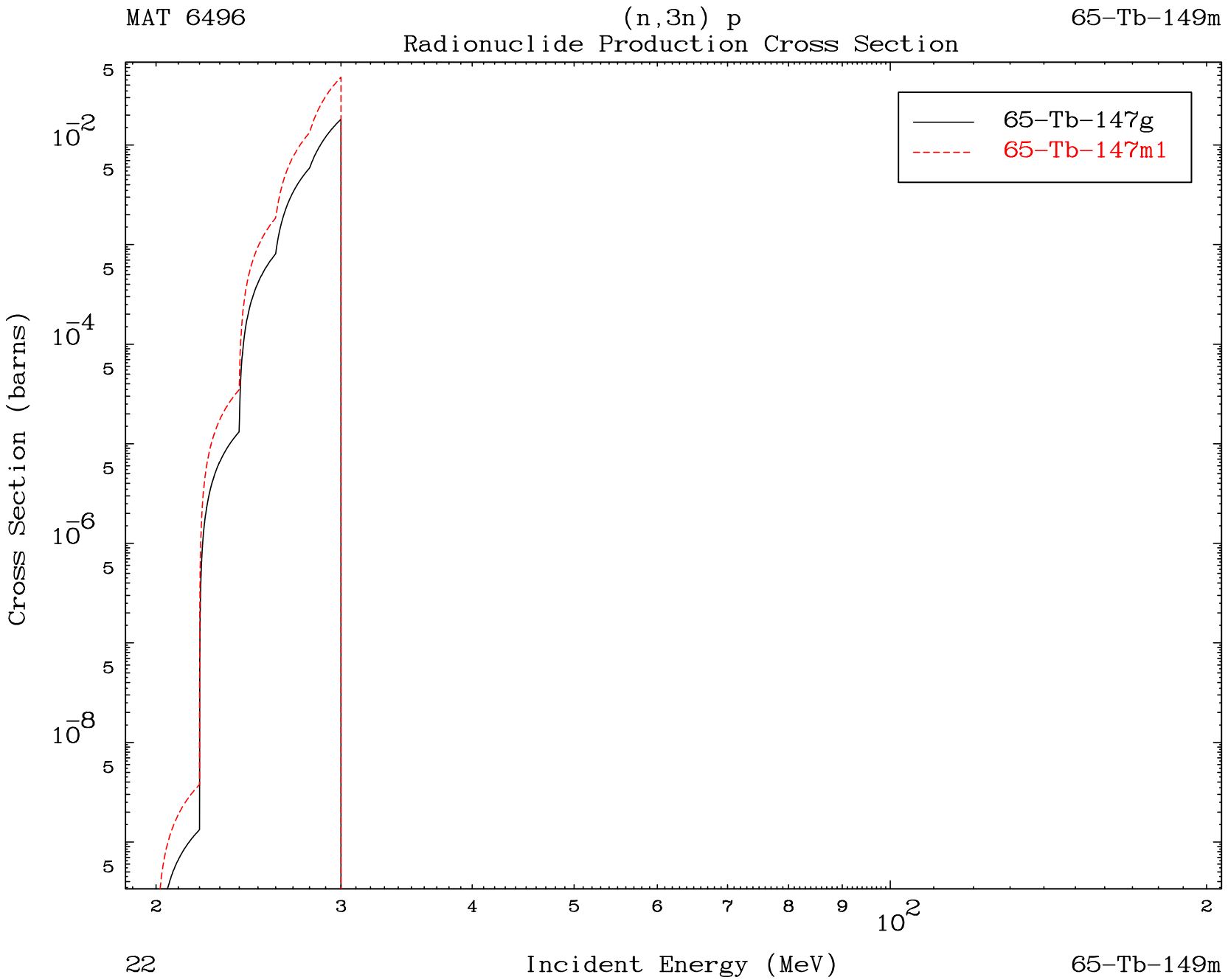

MAT 6496
(n,2n) 2α
65-Tb-149m
Radionuclide Production Cross Section
62-Sm-141g
62-Sm-141m2
Cross Section (barns)
Incident Energy (MeV)
17
65-Tb-149m

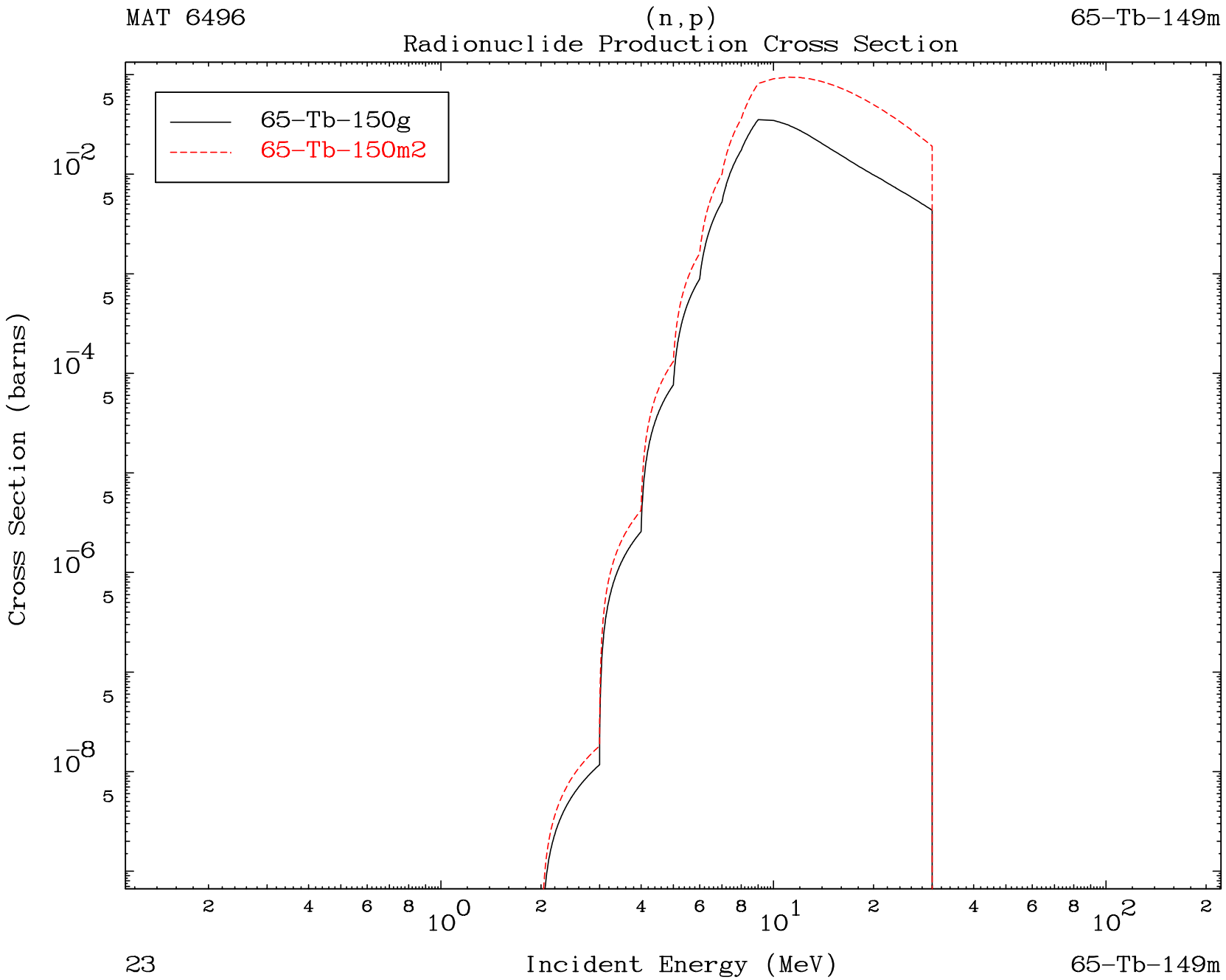

MAT 6496
(n,n') d
65-Tb-149m
Radionuclide Production Cross Section
65-Tb-148g
65-Tb-148m1
Cross Section (barns)
Incident Energy (MeV)
18
65-Tb-149m

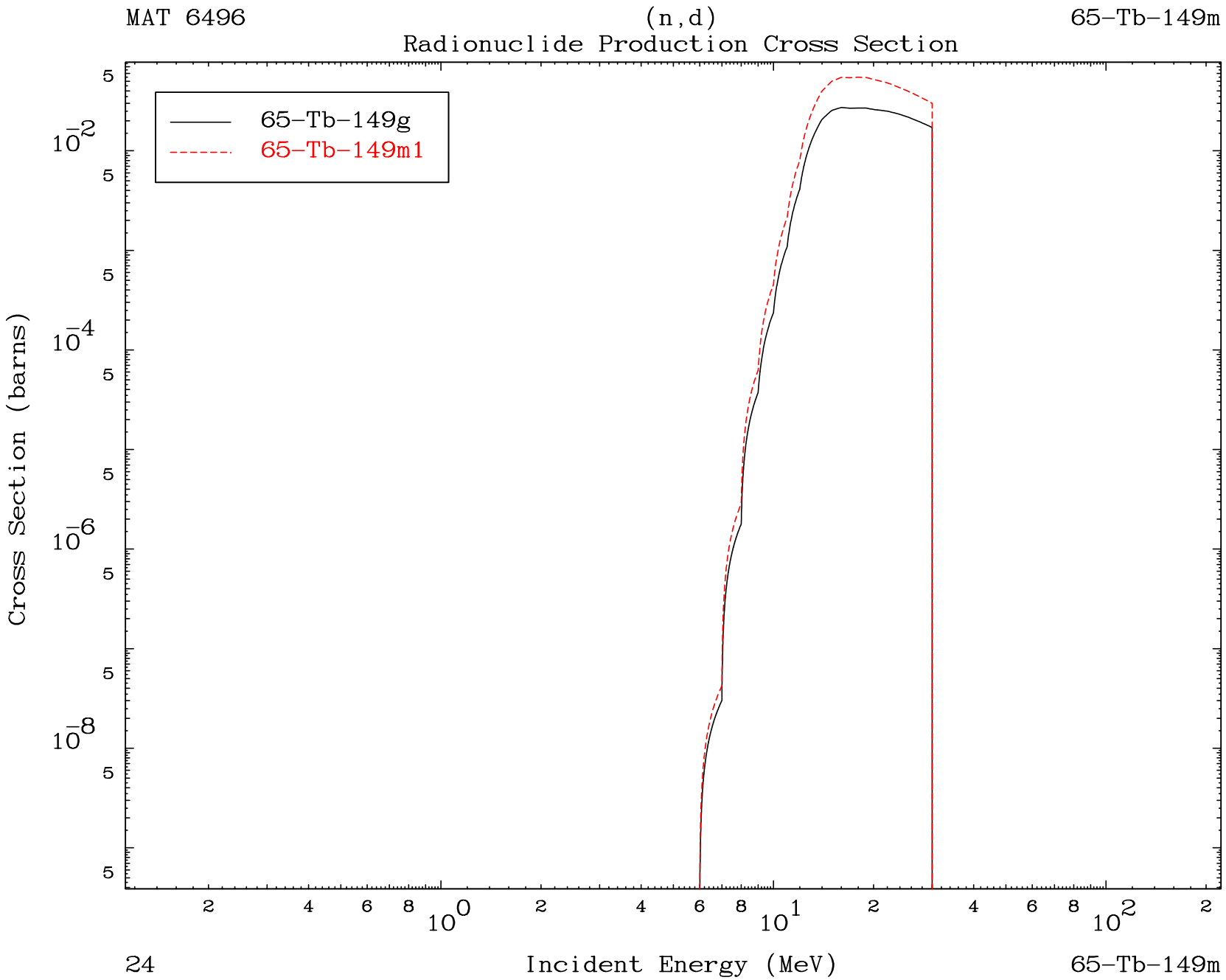

MAT 6496
(n,n') t
65-Tb-149m
Radionuclide Production Cross Section
65-Tb-147g
65-Tb-147m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
65-Tb-149m

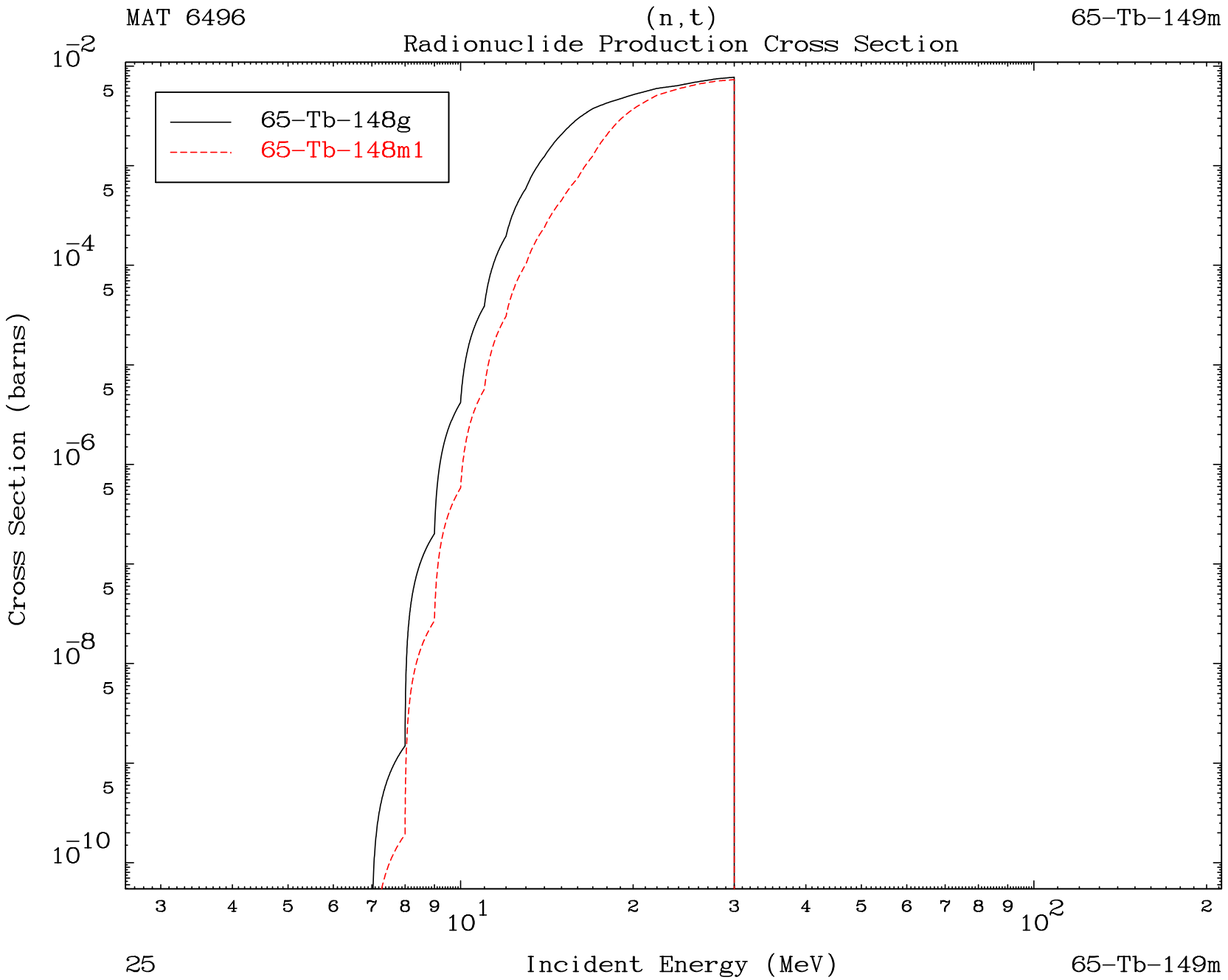

MAT 6496
(n,4n)
65-Tb-149m
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
20
65-Tb-149m

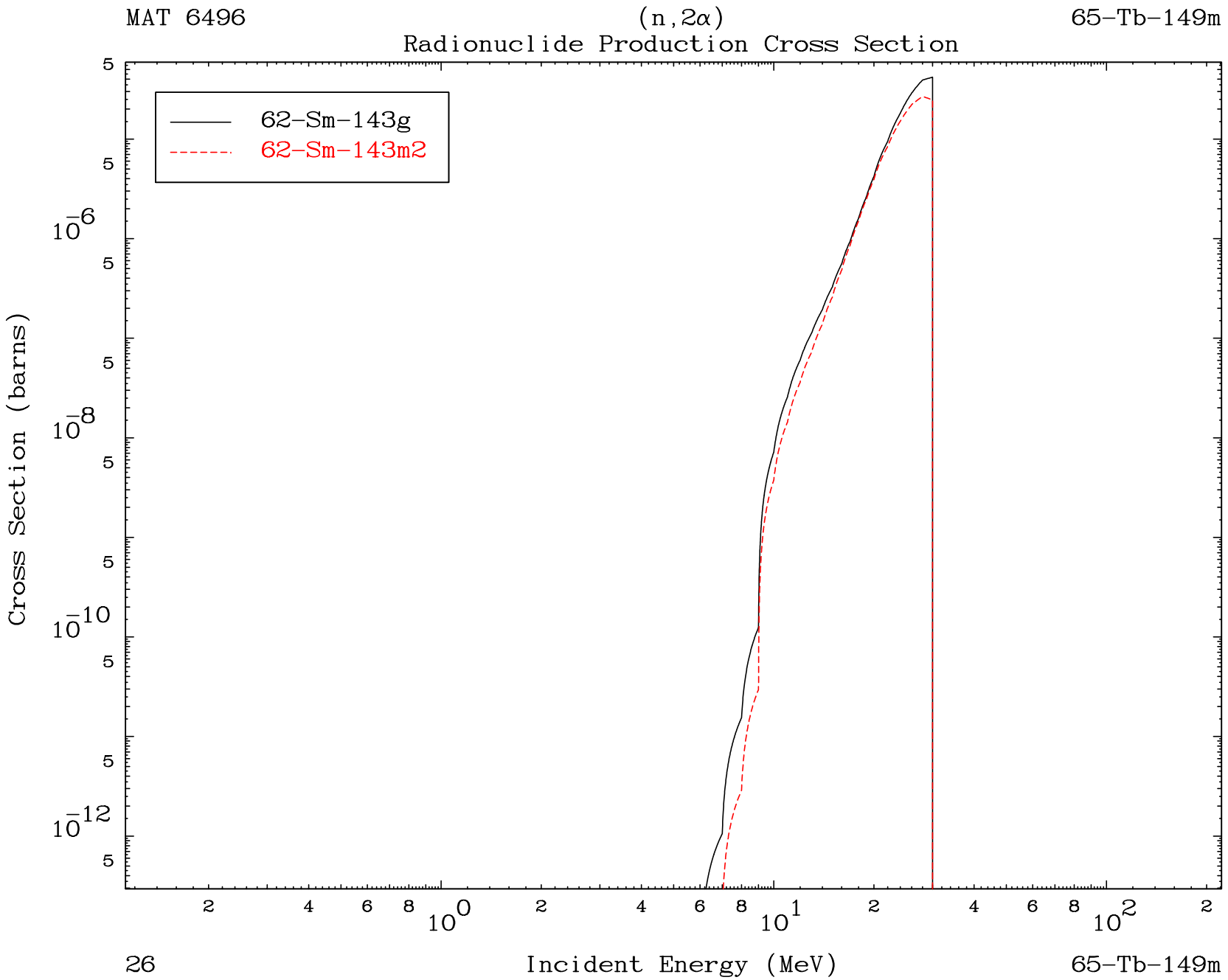

MAT 6496
(n,2n) p
65-Tb-149m
Radionuclide Production Cross Section
65-Tb-148g
65-Tb-148m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
102
2
21
Incident Energy (MeV)
65-Tb-149m


MAT 6496
(n,3n) p
65-Tb-149m
Radionuclide Production Cross Section
65-Tb-147g
65-Tb-147m1
Cross Section (barns)
Incident Energy (MeV)
22
65-Tb-149m


MAT 6496
(n,p)
65-Tb-149m
Radionuclide Production Cross Section
65-Tb-150g
65-Tb-150m2
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
23
65-Tb-149m


MAT 6496
(n,d)
65-Tb-149m
Radionuclide Production Cross Section
65-Tb-149g
65-Tb-149m1
Cross Section (barns)
Incident Energy (MeV)
24
65-Tb-149m


MAT 6496
(n,t)
65-Tb-149m
Radionuclide Production Cross Section
65-Tb-148g
65-Tb-148m1
Cross Section (barns)
Incident Energy (MeV)
25
65-Tb-149m


MAT 6496
(n,2α)
65-Tb-149m
Radionuclide Production Cross Section
62-Sm-143g
62-Sm-143m2
Cross Section (barns)
Incident Energy (MeV)
26
65-Tb-149m