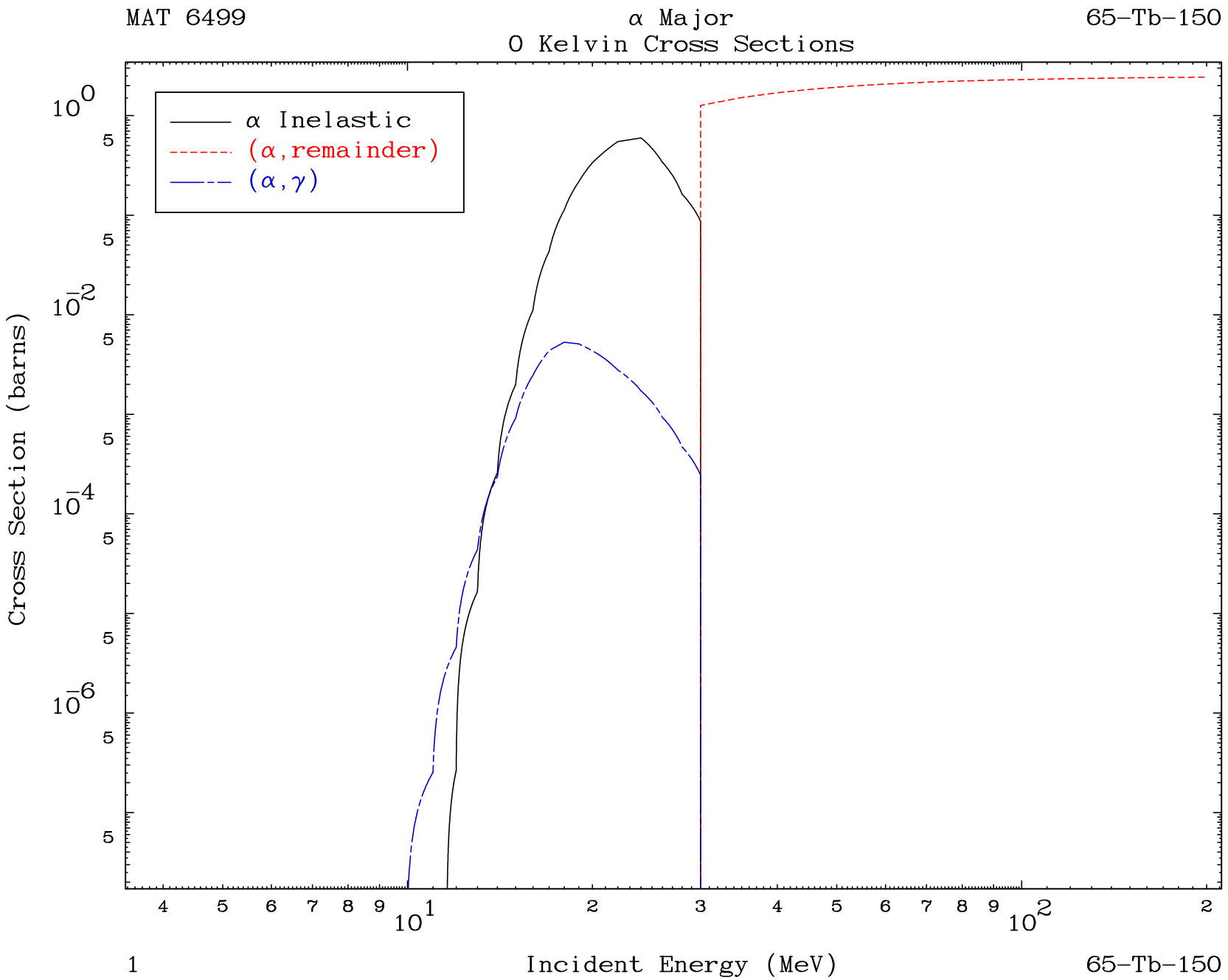
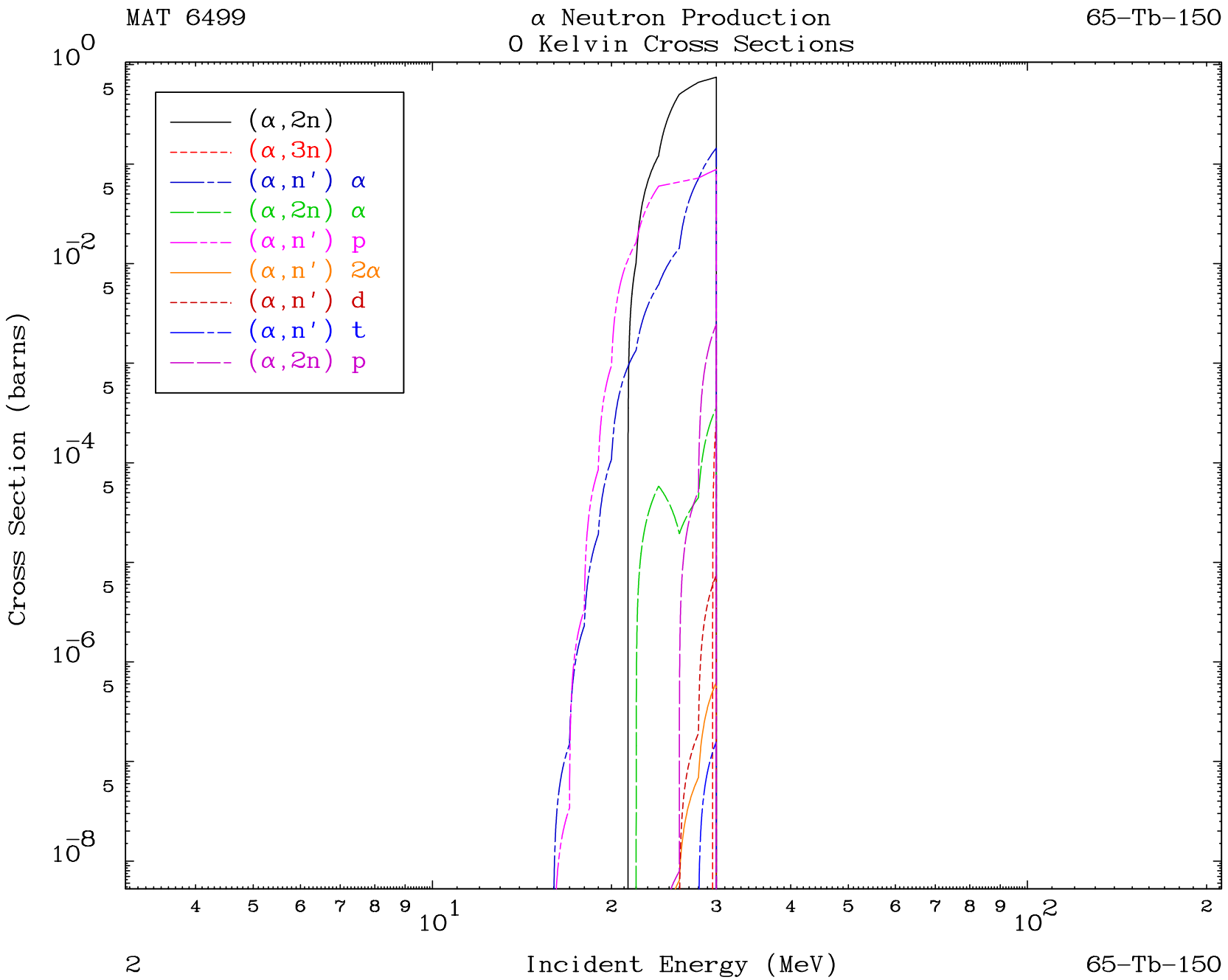
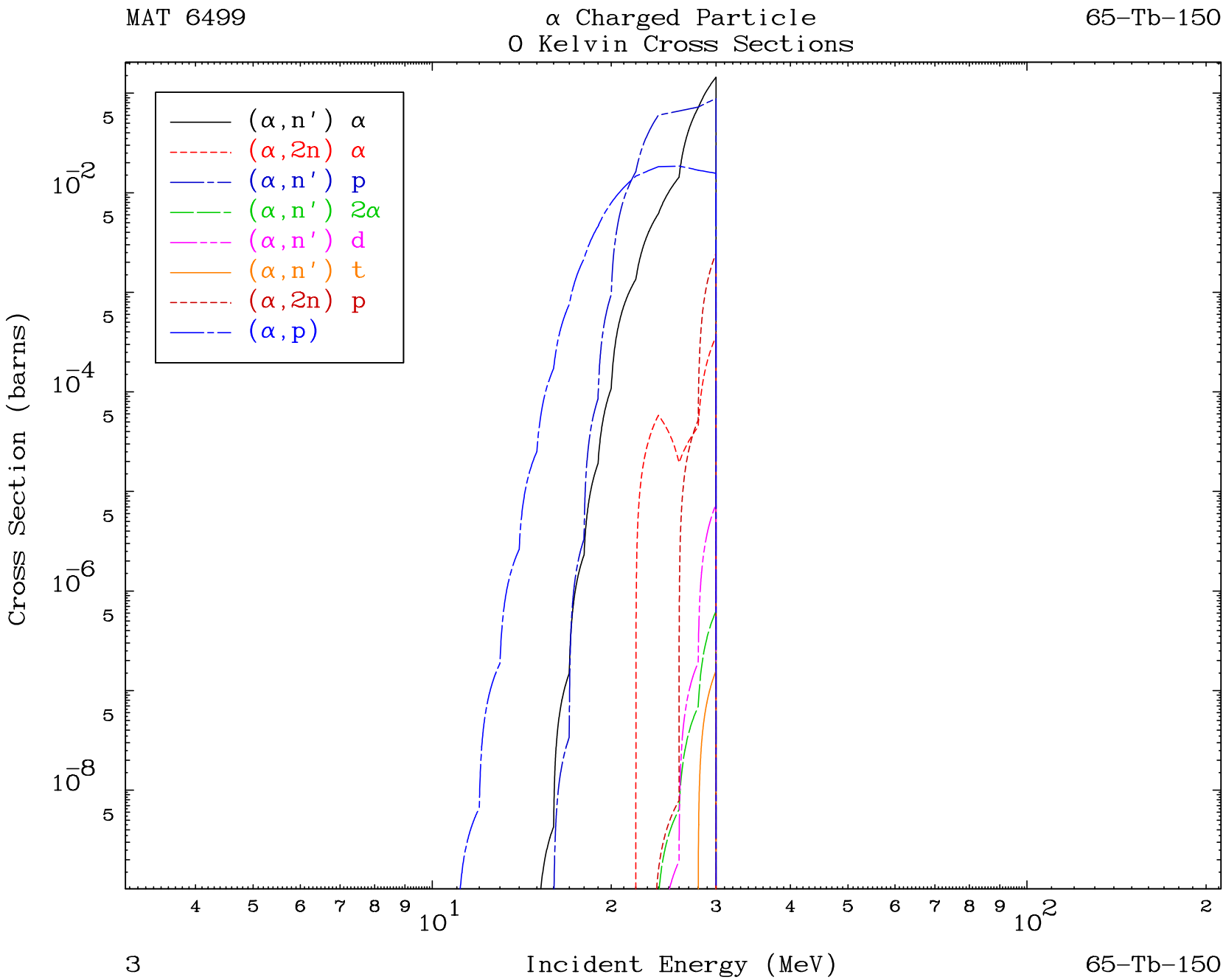
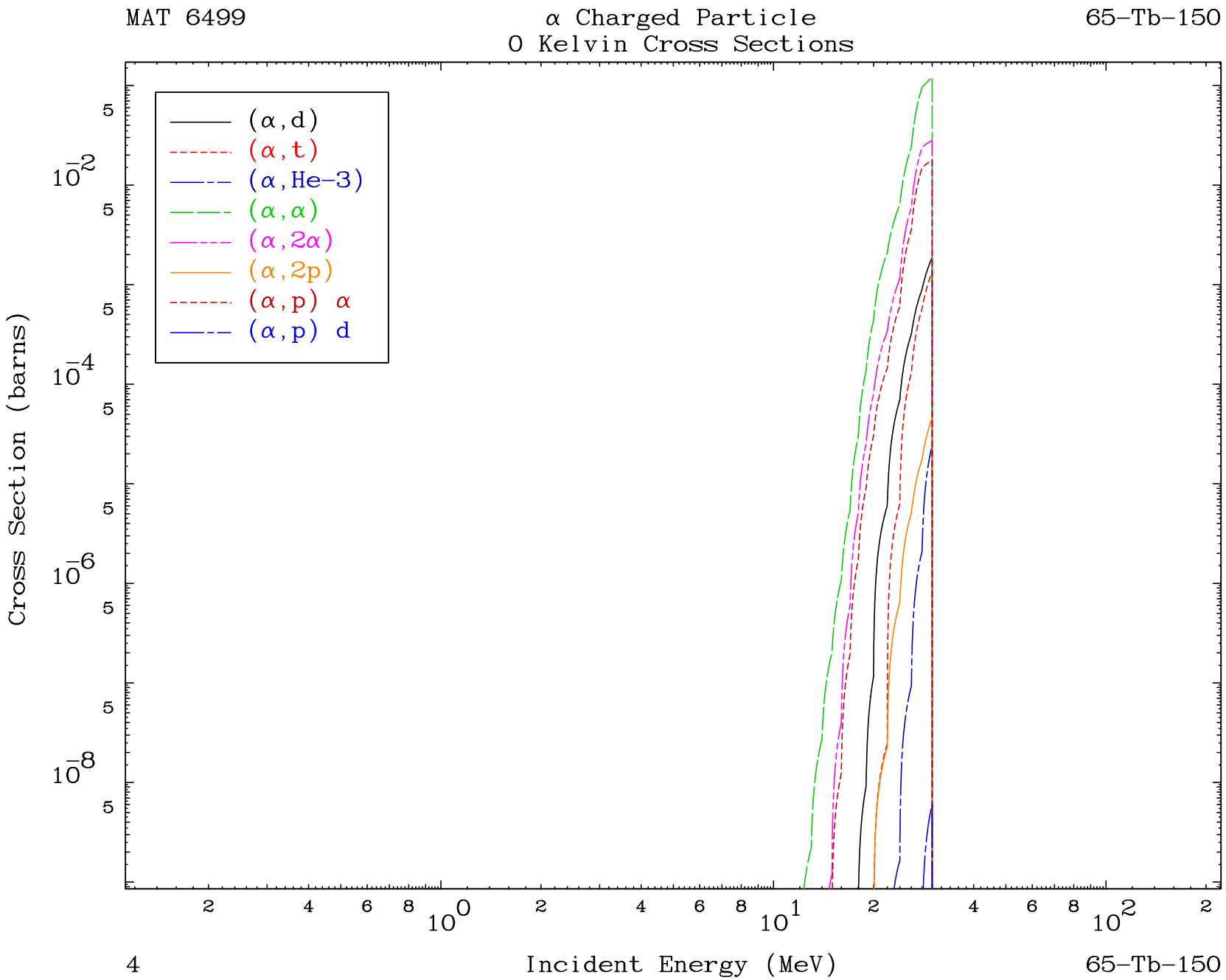
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

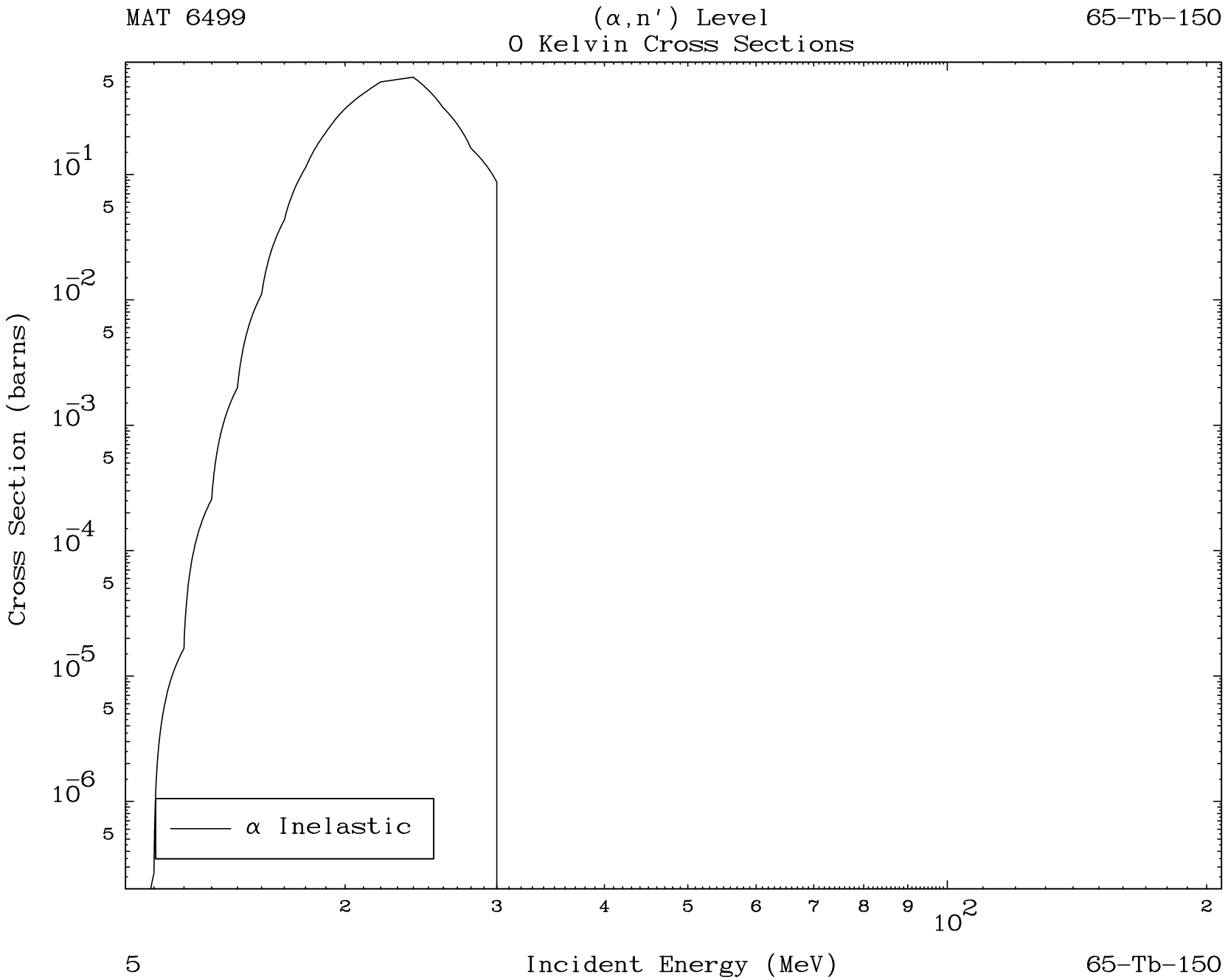
Press Mouse Button to Start

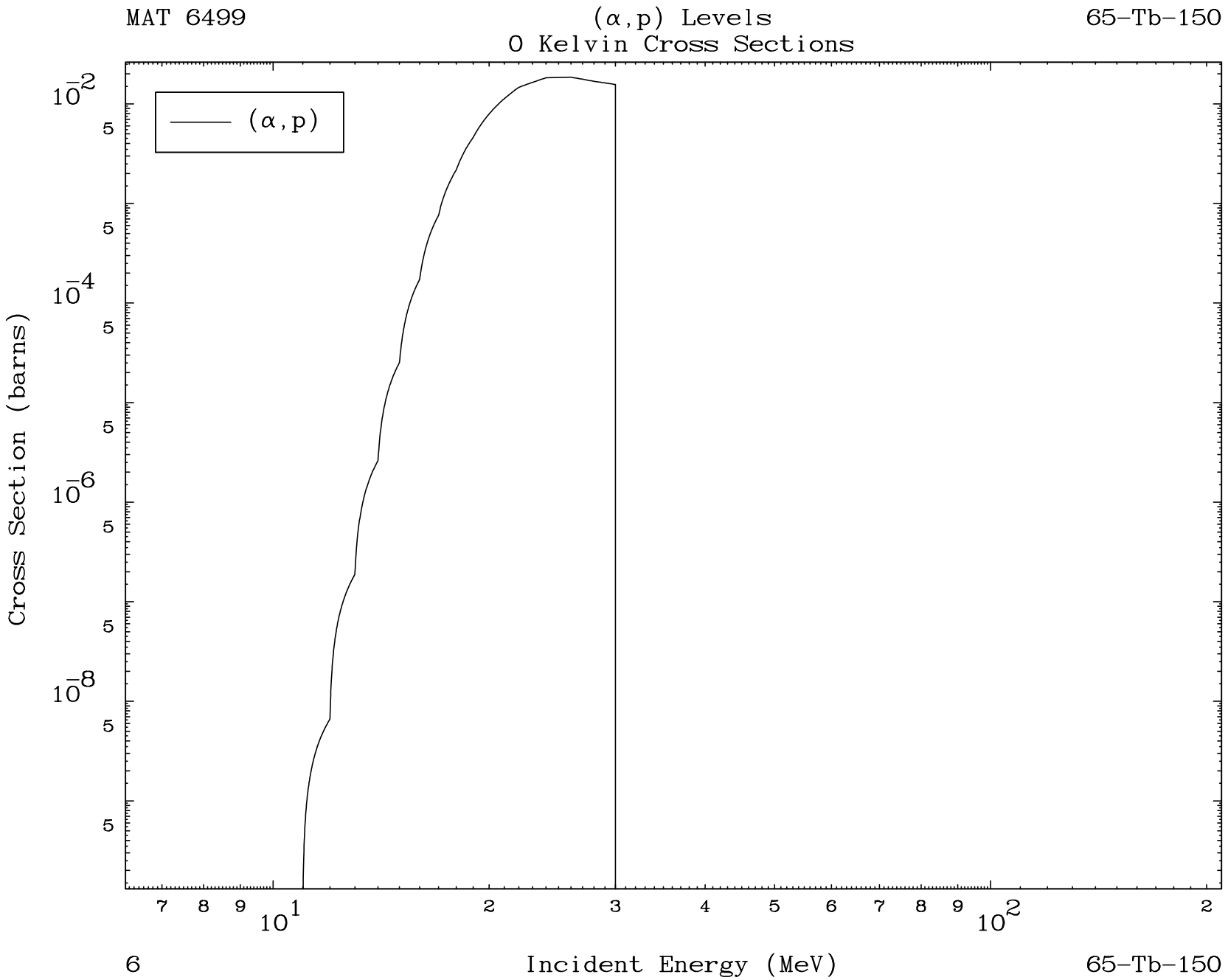

MAT 6499
α Major
65-Tb-150
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-150

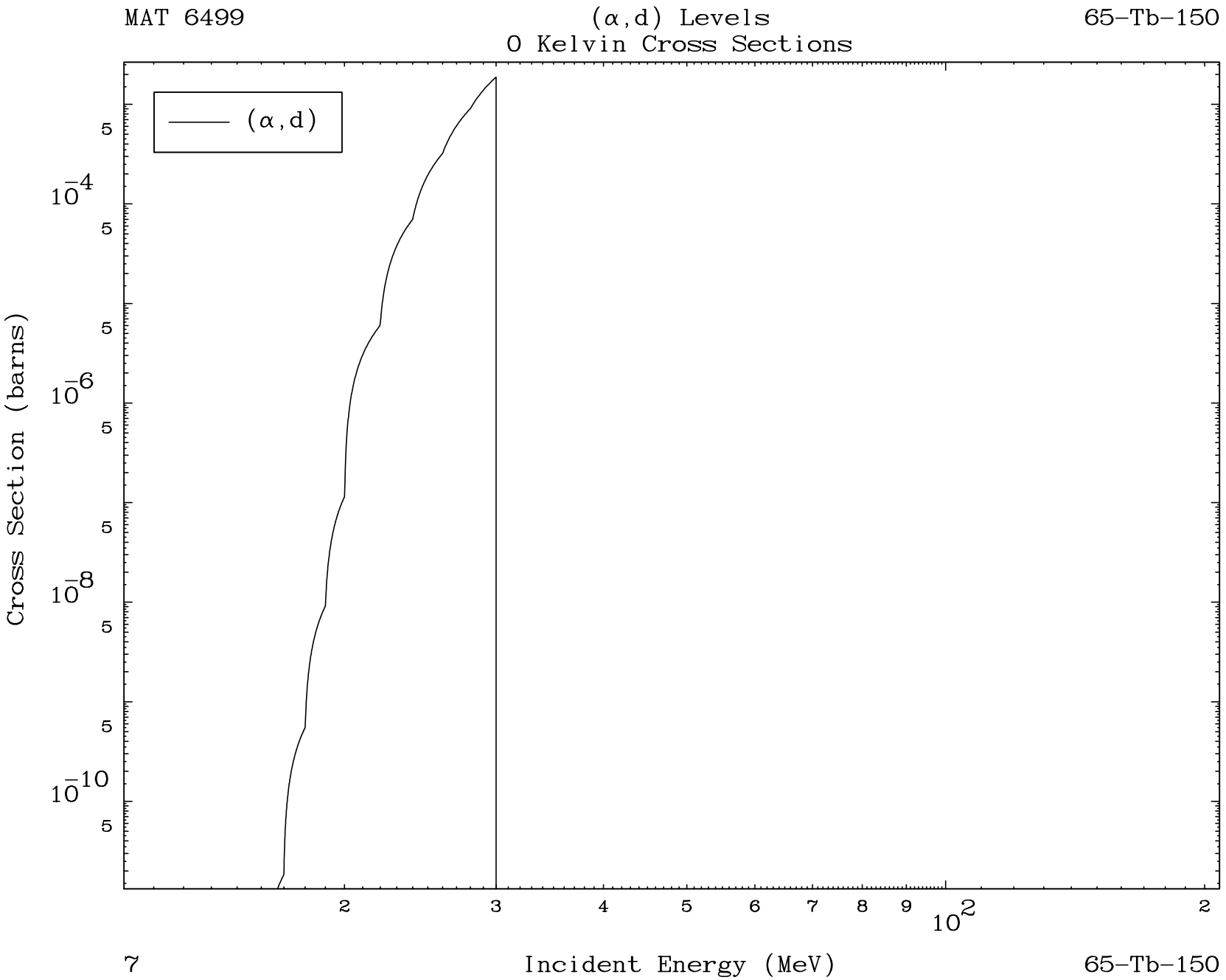

MAT 6499
α Neutron Production
0 Kelvin Cross Sections
65-Tb-150
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
65-Tb-150

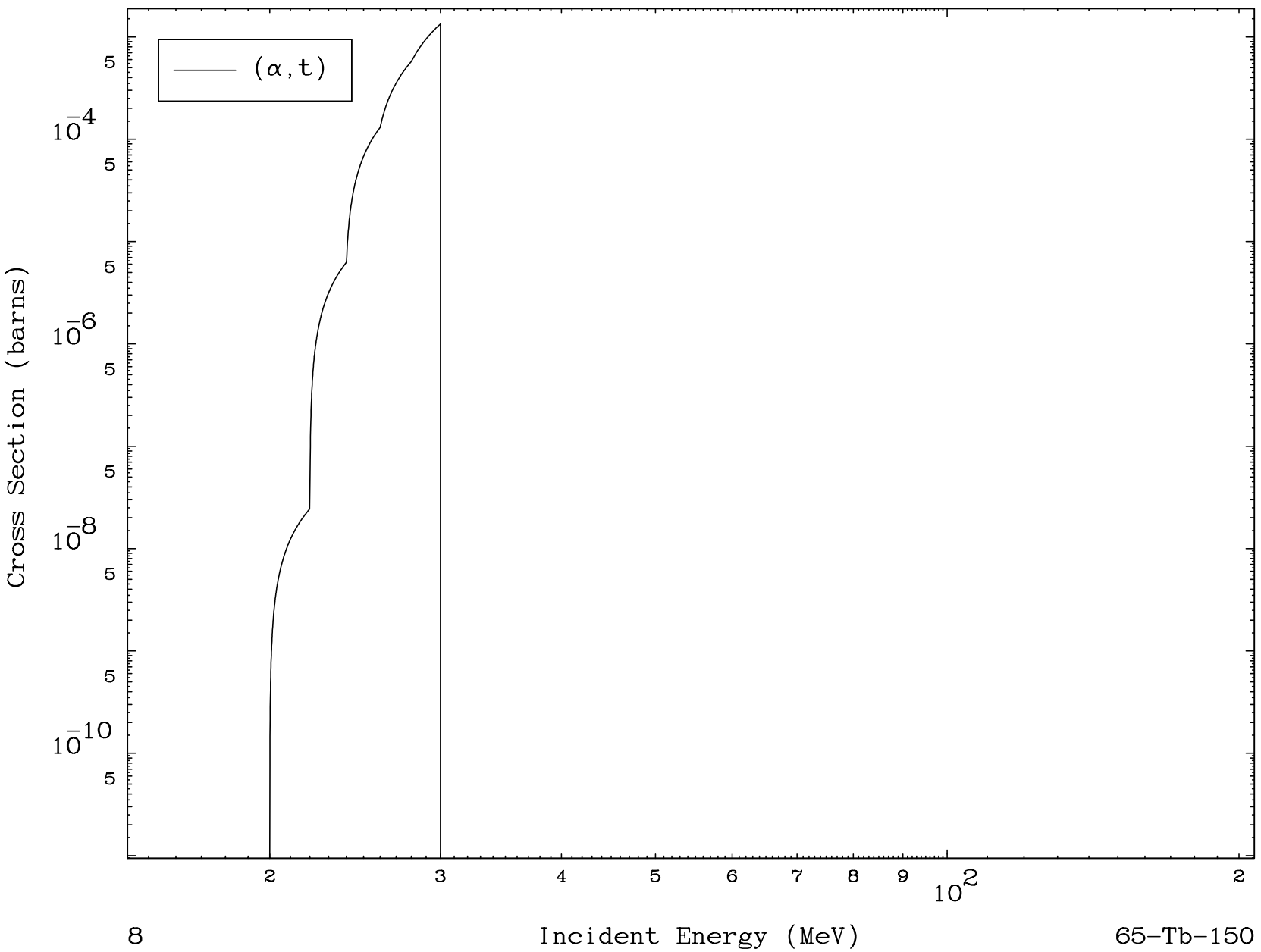

MAT 6499
α Charged Particle
0 Kelvin Cross Sections
65-Tb-150
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
3
65-Tb-150


MAT 6499
α Charged Particle
0 Kelvin Cross Sections
65-Tb-150
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
65-Tb-150

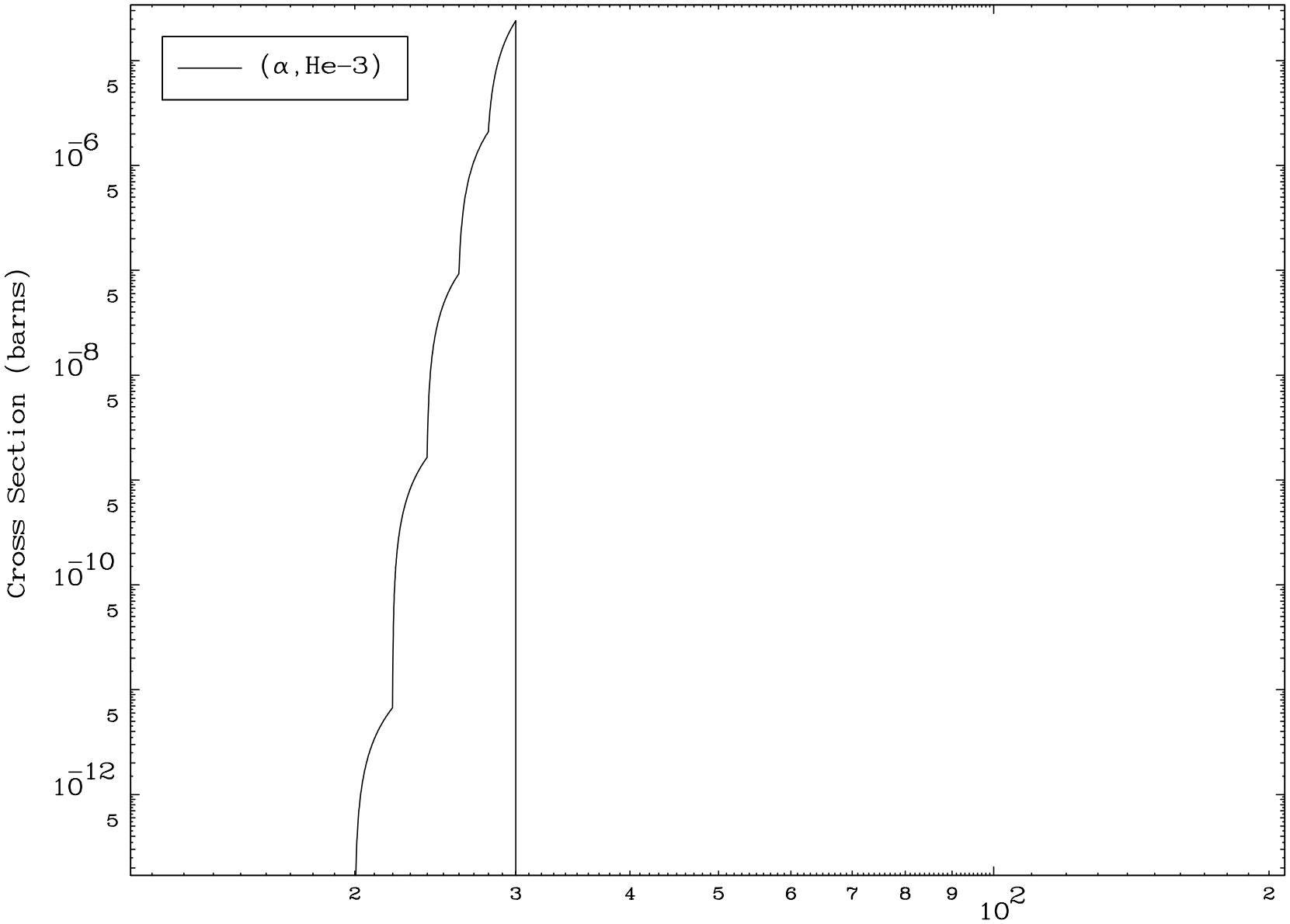

MAT 6499
(α,n') Level
65-Tb-150
0 Kelvin Cross Sections
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
α Inelastic
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
65-Tb-150

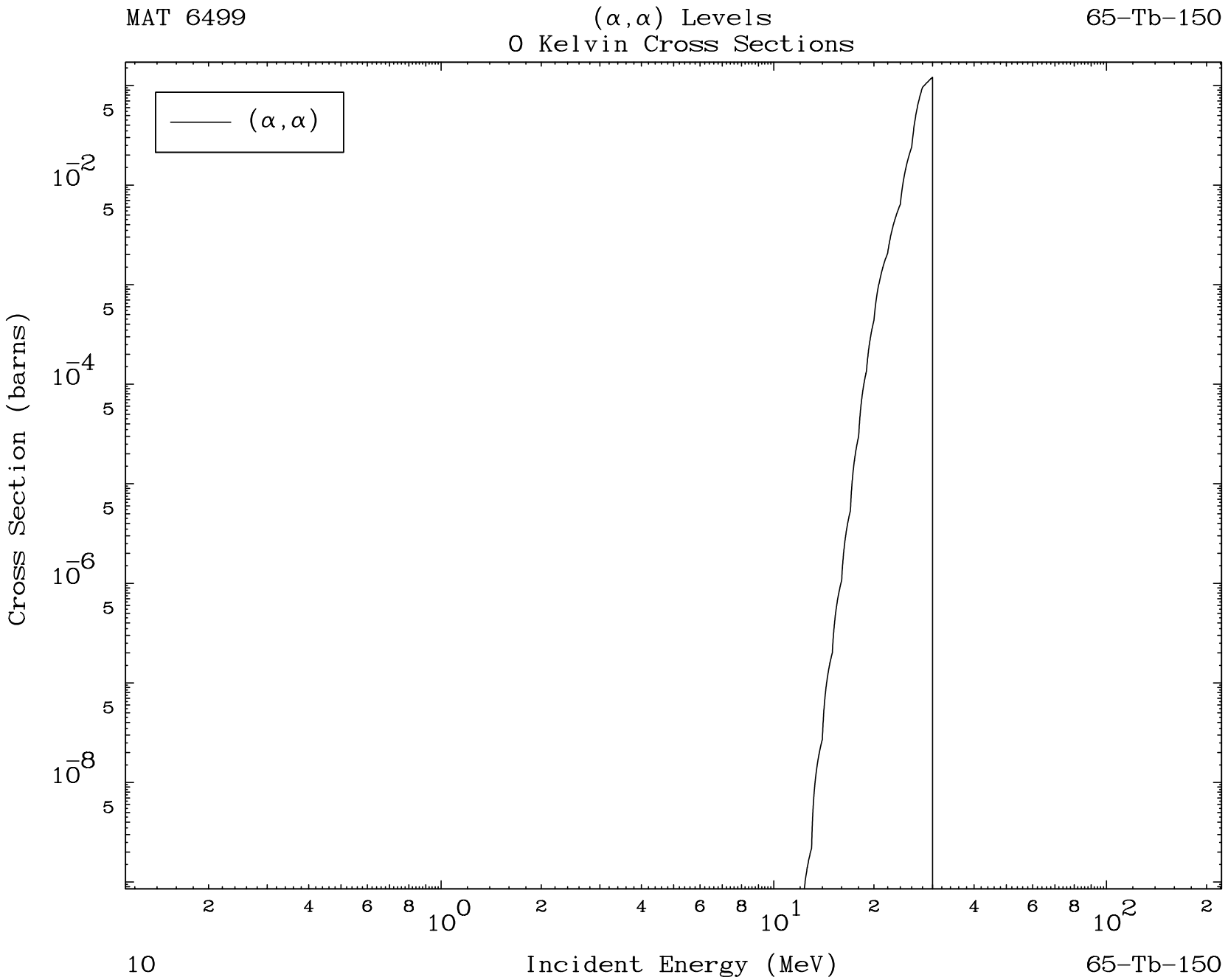

MAT 6499
(α,p) Levels
65-Tb-150
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
65-Tb-150

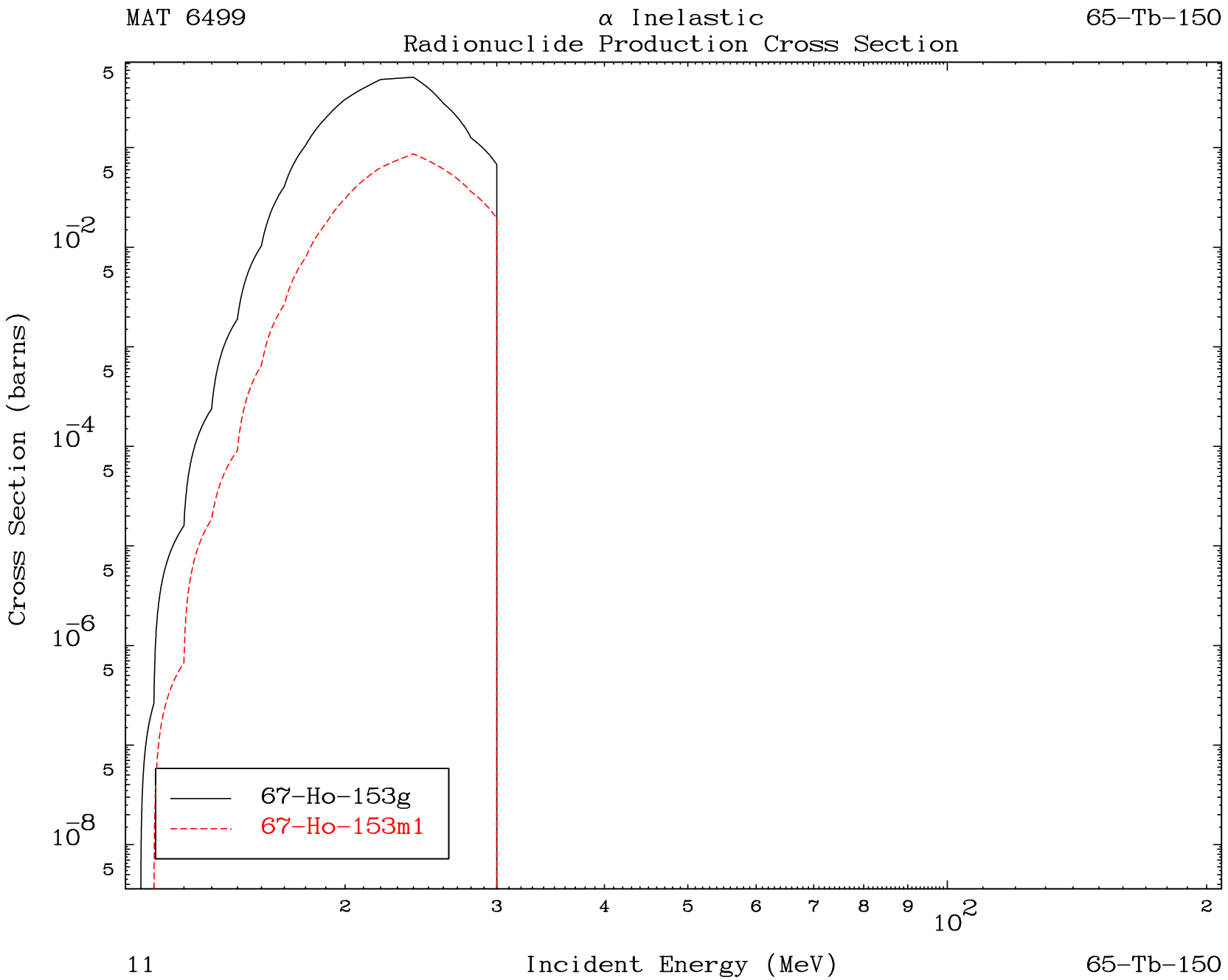

MAT 6499
(α,d) Levels
65-Tb-150
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
65-Tb-150

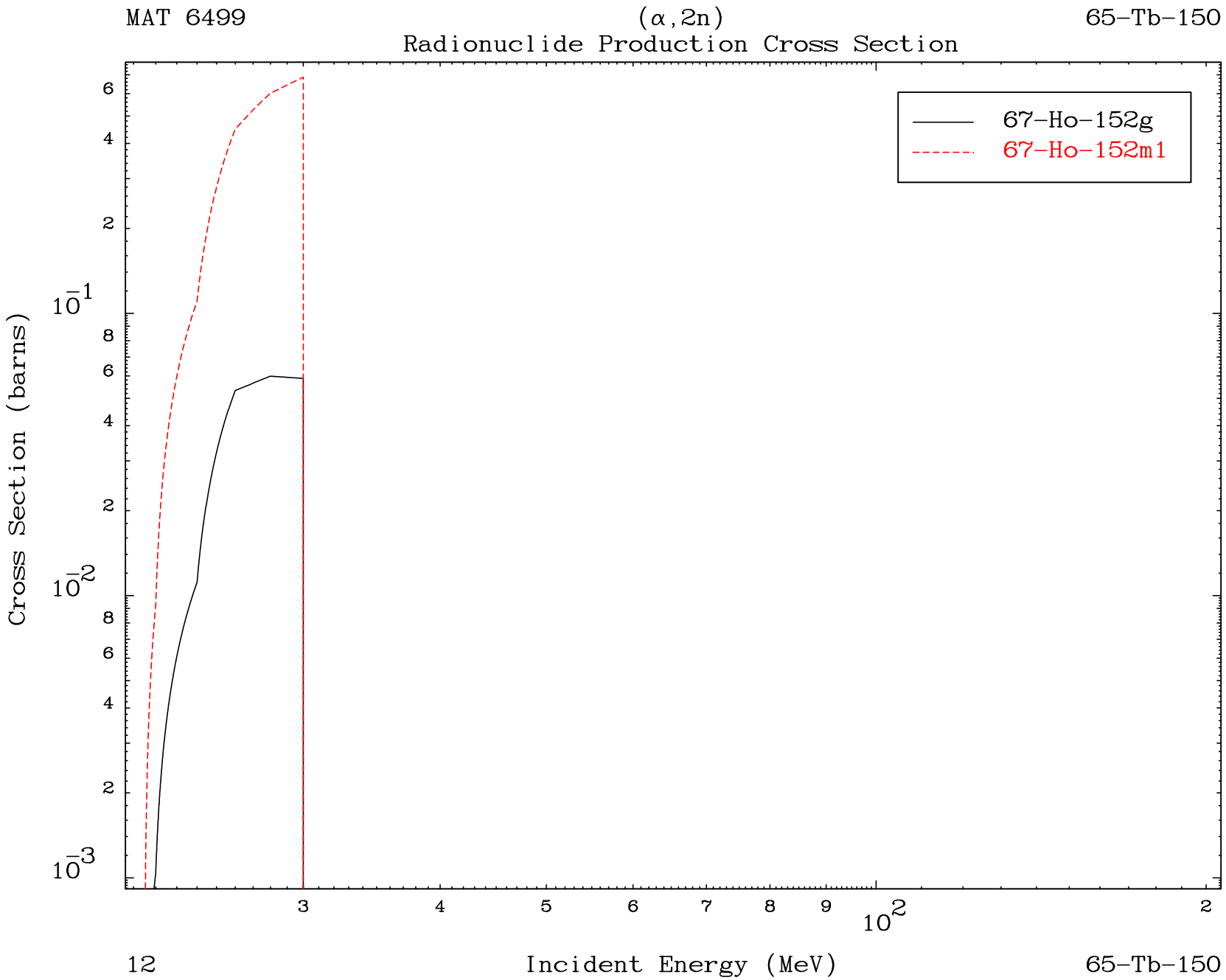

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

0 Kelvin Cross Sections

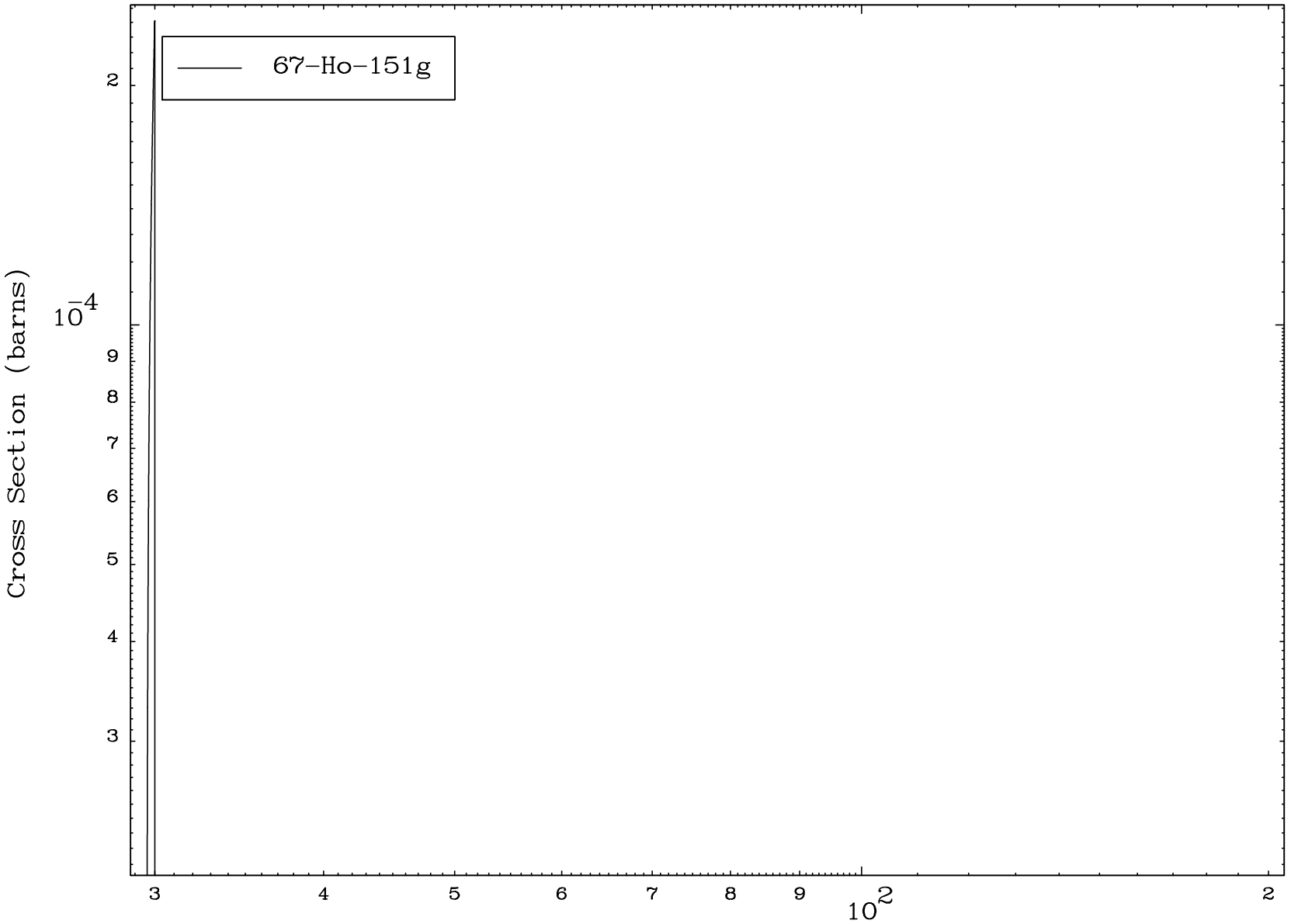


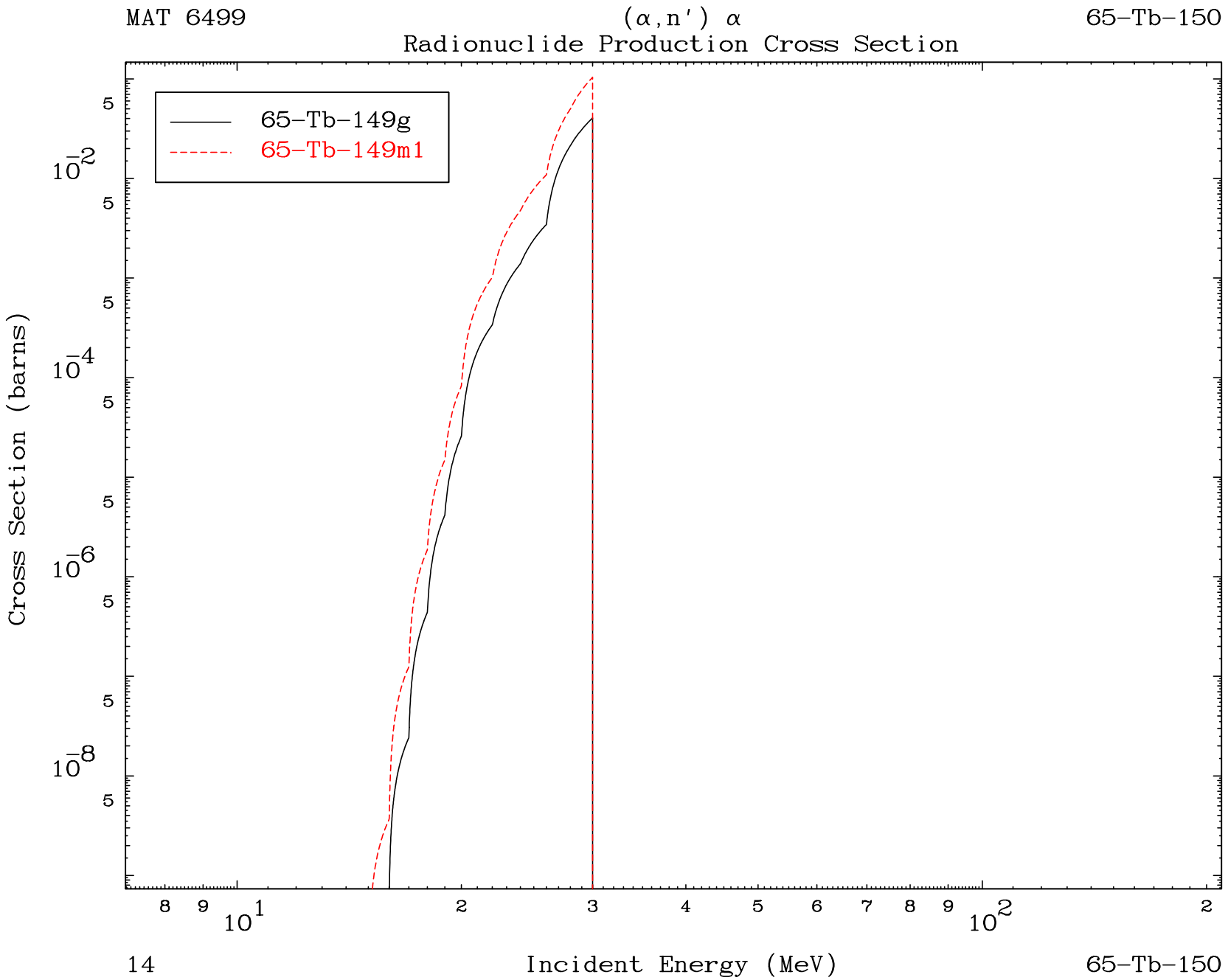

MAT 6499
(α,α) Levels
65-Tb-150
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
65-Tb-150

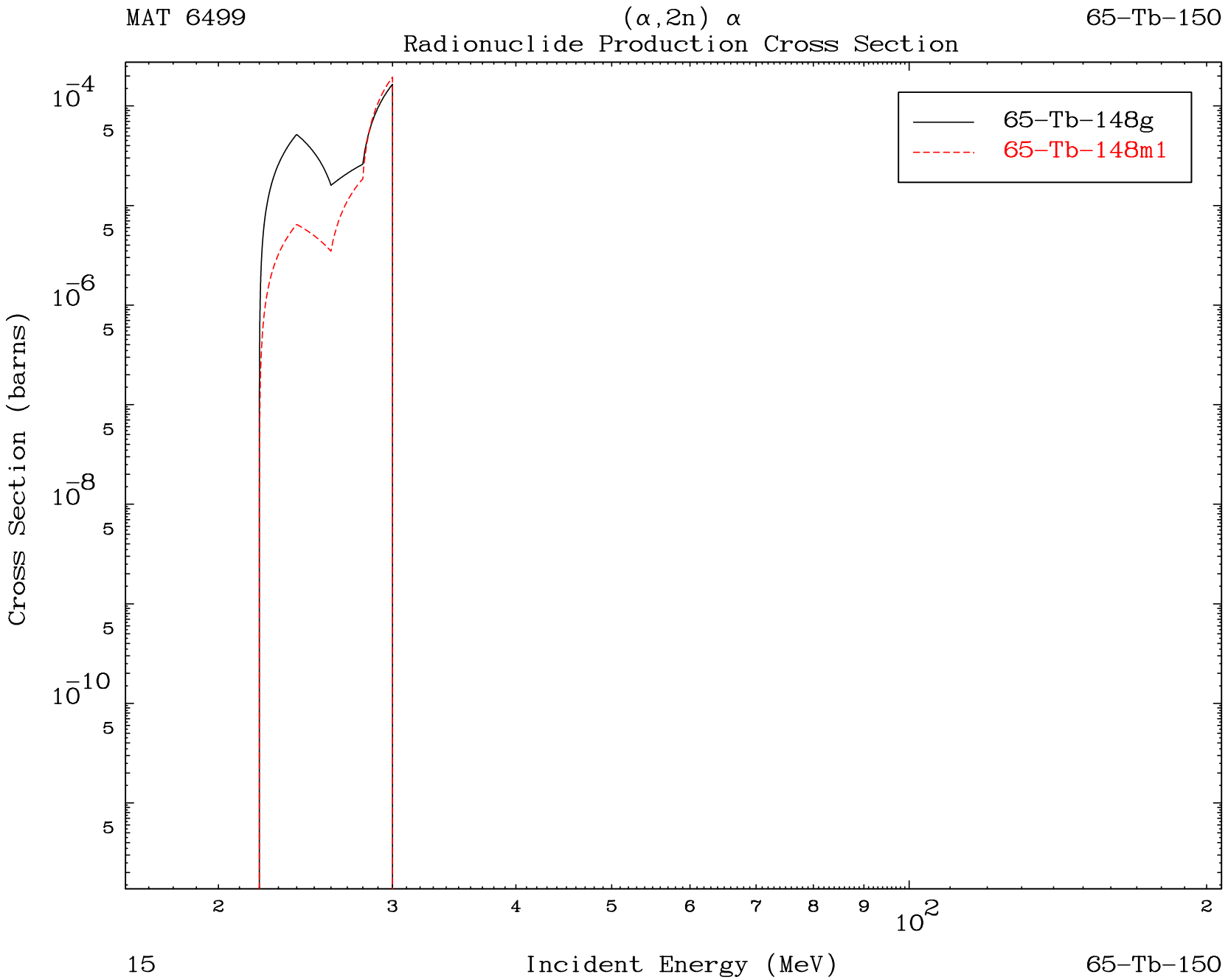

MAT 6499
α Inelastic
65-Tb-150
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
67-Ho-153g
67-Ho-153m1
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
65-Tb-150

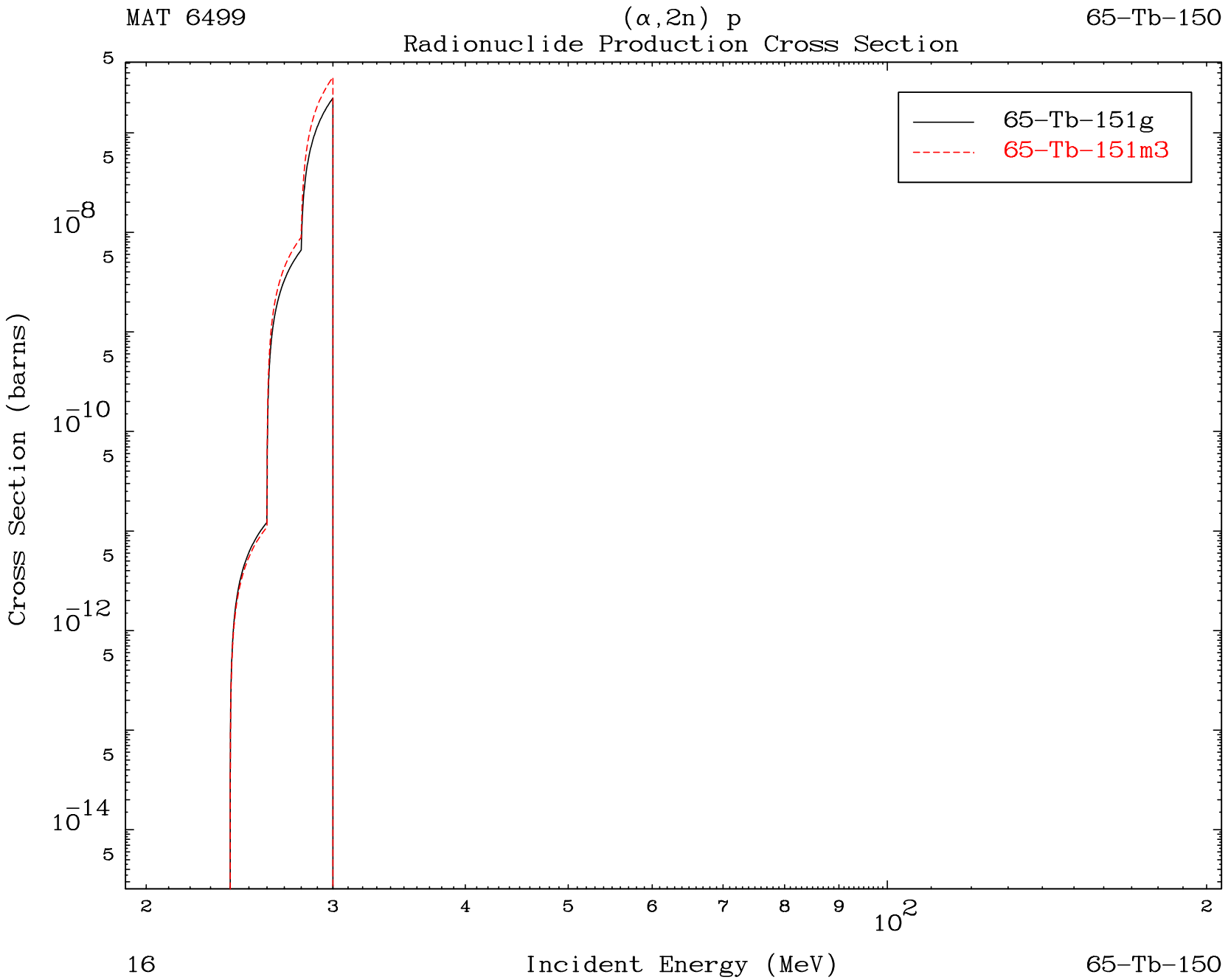

MAT 6499
(α,2n)
65-Tb-150
Radionuclide Production Cross Section
67-Ho-152g
67-Ho-152m1
Cross Section (barns)
Incident Energy (MeV)
12
65-Tb-150

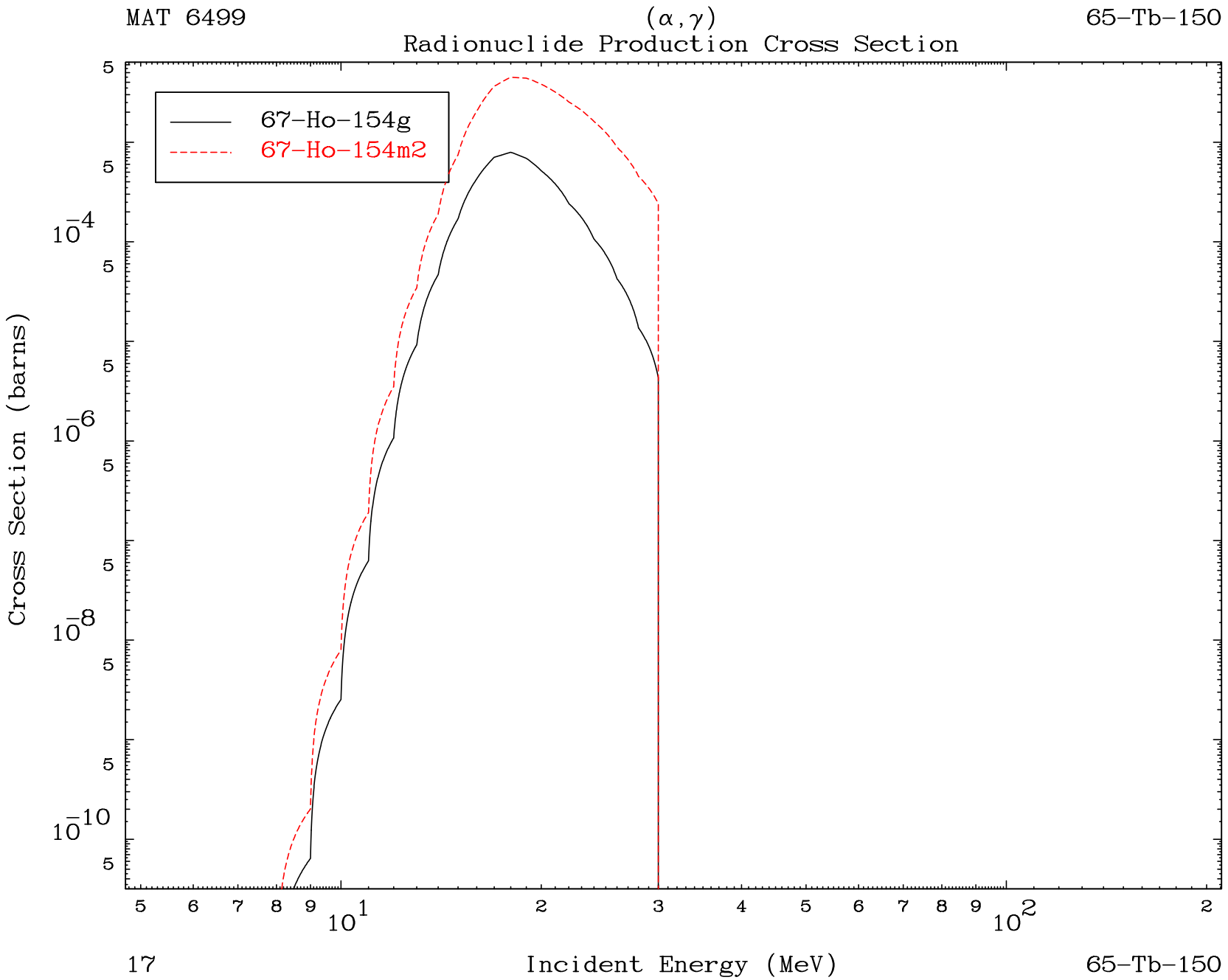
Radionuclide Production Cross Section

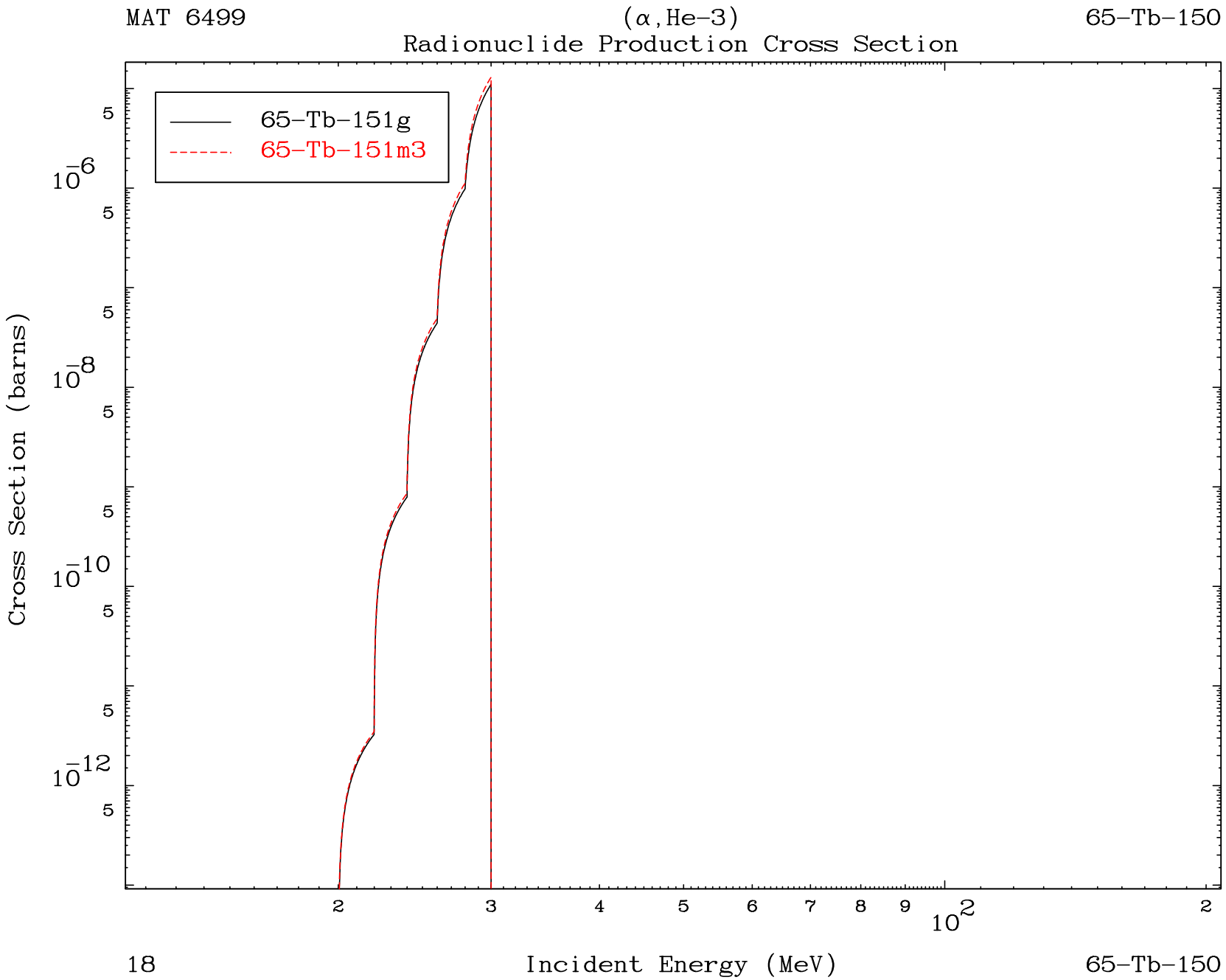


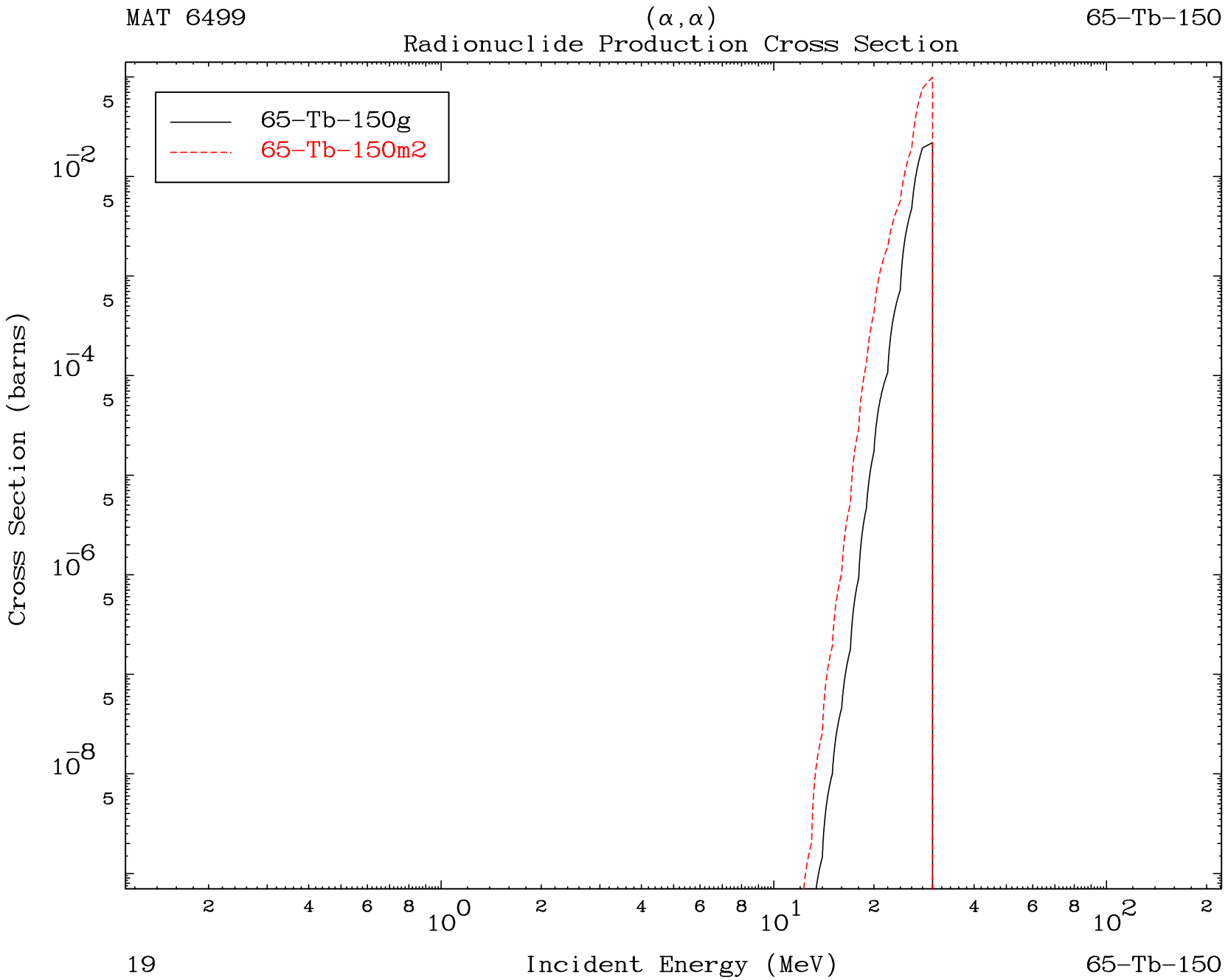

MAT 6499
(α,n') α
65-Tb-150
Radionuclide Production Cross Section
65-Tb-149g
65-Tb-149m1
Cross Section (barns)
10-2
10-4
10-6
10-8
8 9 101 2 3 4 5 6 7 8 9 102 2
14
Incident Energy (MeV)
65-Tb-150

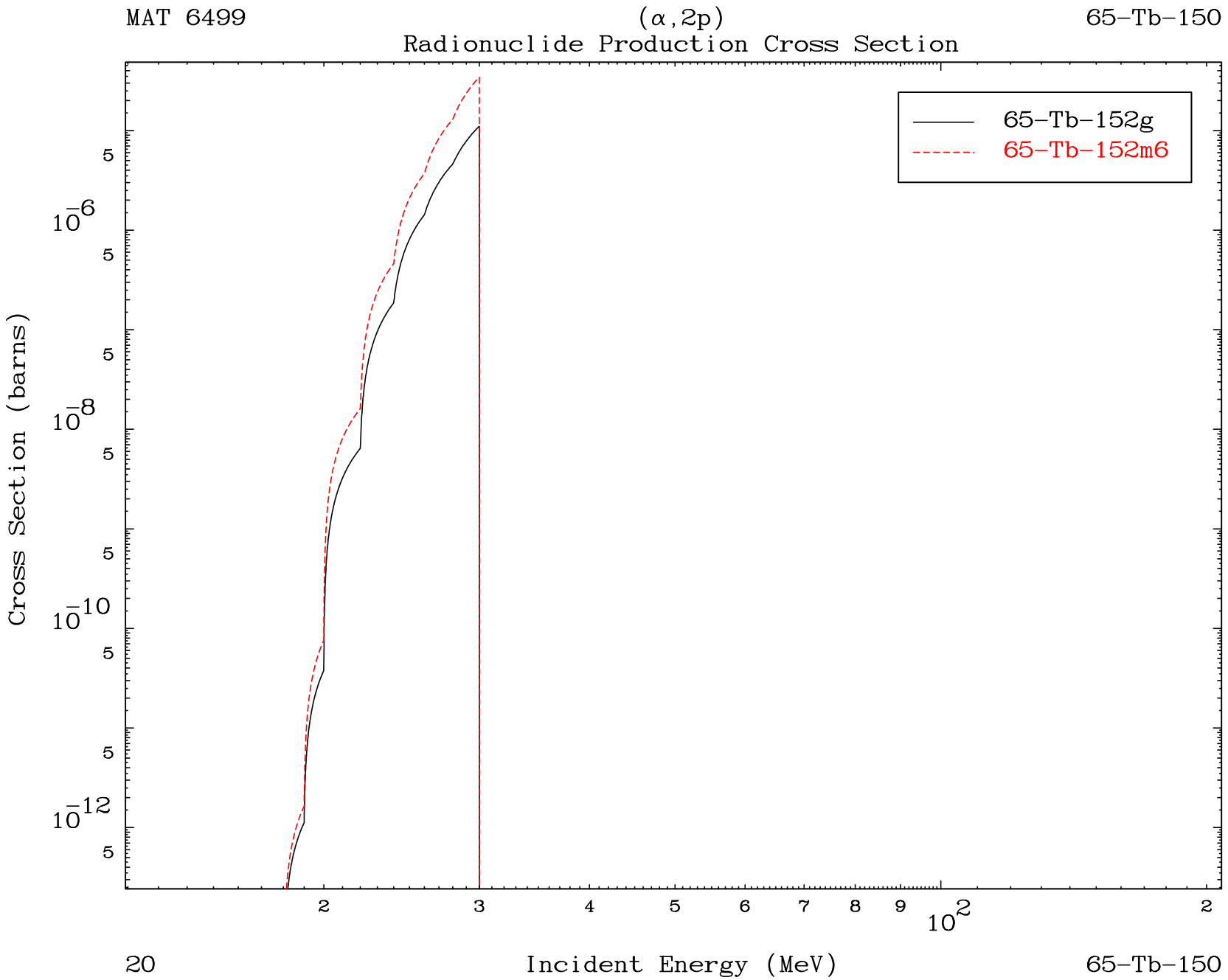

MAT 6499
(α,2n) α
65-Tb-150
Radionuclide Production Cross Section
65-Tb-148g
65-Tb-148m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
15
65-Tb-150

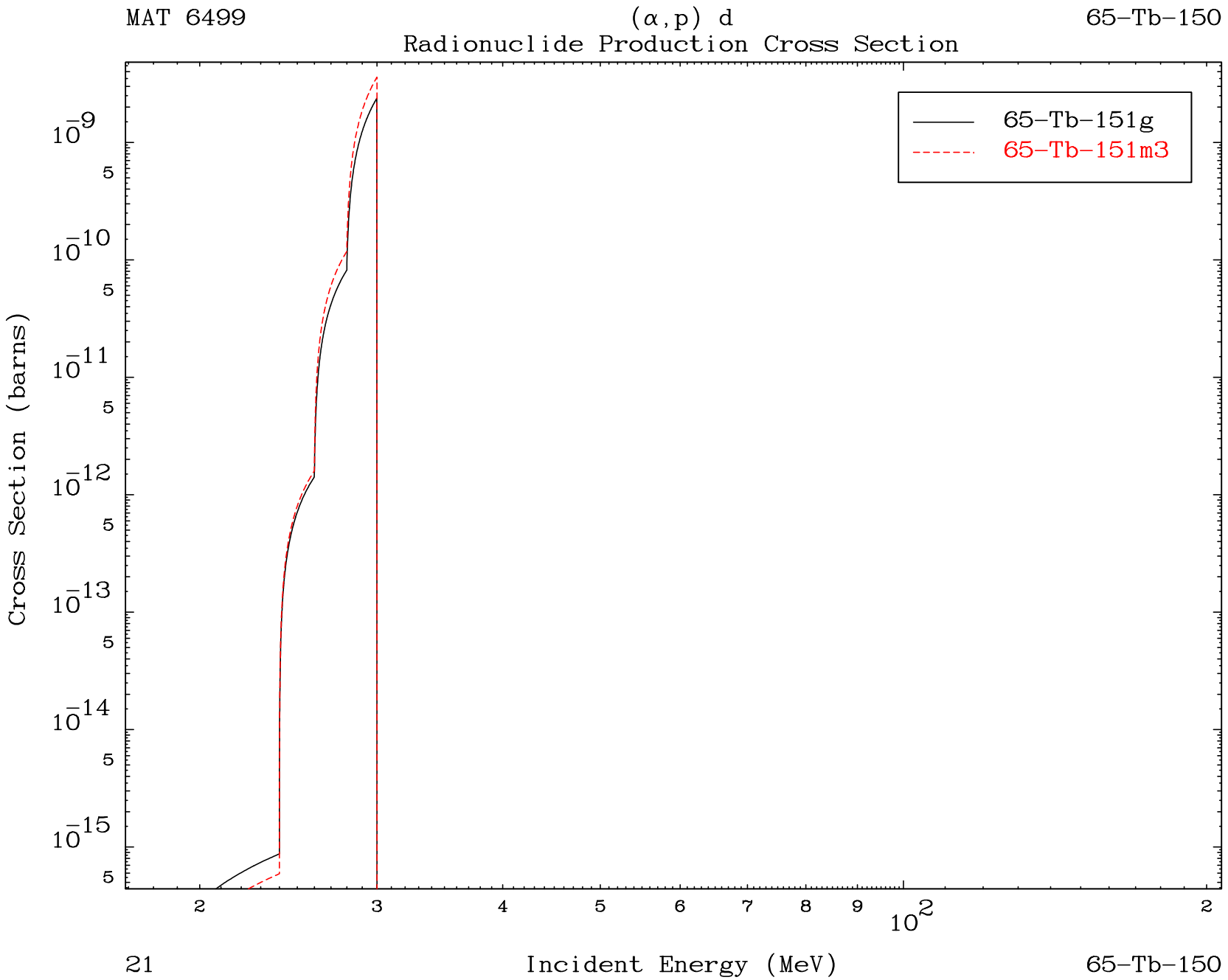

MAT 6499
(α,2n) p
65-Tb-150
Radionuclide Production Cross Section
65-Tb-151g
65-Tb-151m3
Cross Section (barns)
Incident Energy (MeV)
16
65-Tb-150


MAT 6499
(α,γ)
65-Tb-150
Radionuclide Production Cross Section
67-Ho-154g
67-Ho-154m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
10 1
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
65-Tb-150


MAT 6499
(α,He-3)
65-Tb-150
Radionuclide Production Cross Section
65-Tb-151g
65-Tb-151m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
65-Tb-150


MAT 6499
(α,α)
65-Tb-150
Radionuclide Production Cross Section
65-Tb-150g
65-Tb-150m2
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
19
Incident Energy (MeV)
65-Tb-150


MAT 6499
(α,2p)
65-Tb-150
Radionuclide Production Cross Section
65-Tb-152g
65-Tb-152m6
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
65-Tb-150


MAT 6499
(α,p) d
65-Tb-150
Radionuclide Production Cross Section
65-Tb-151g
65-Tb-151m3
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
10-15
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
65-Tb-150