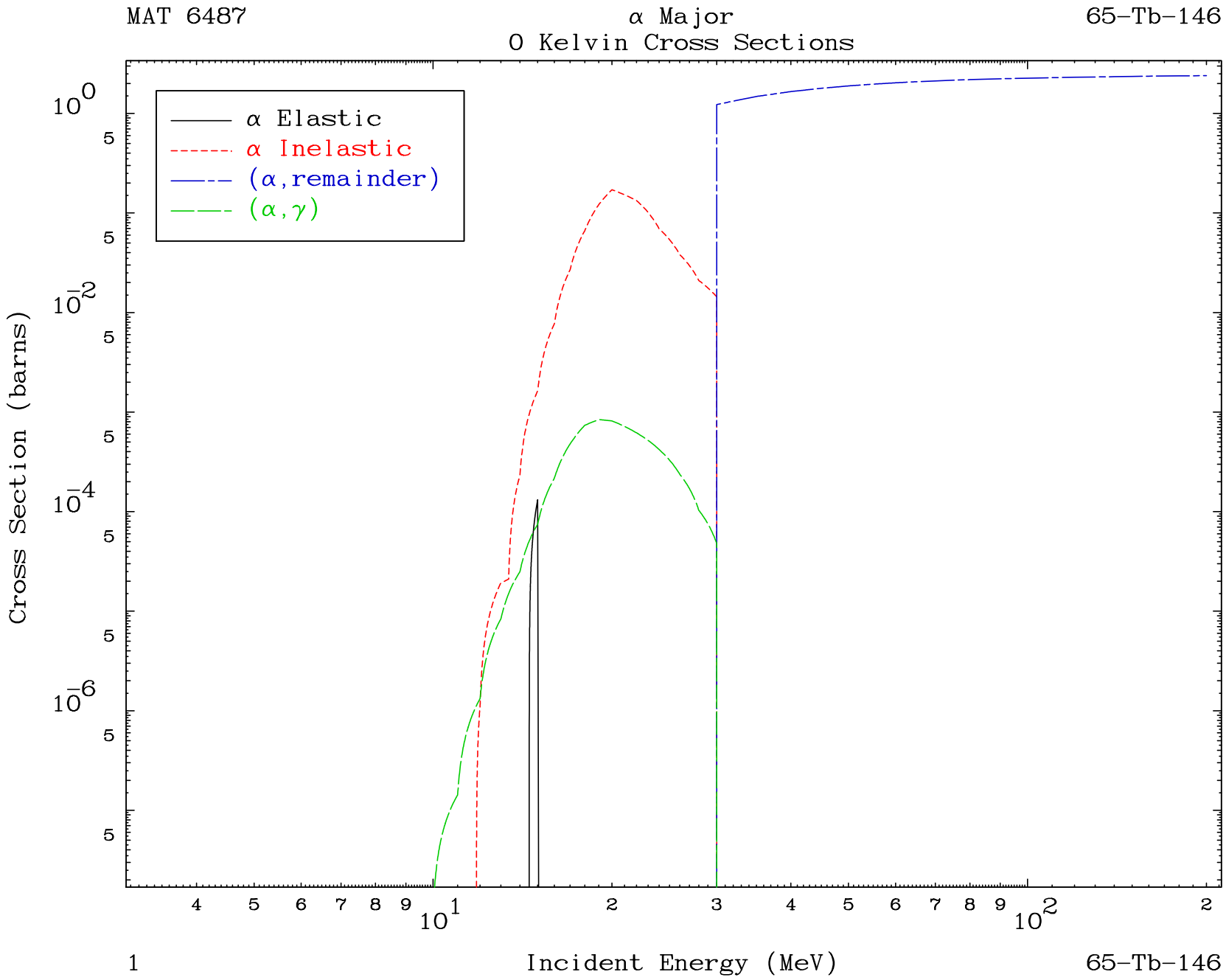
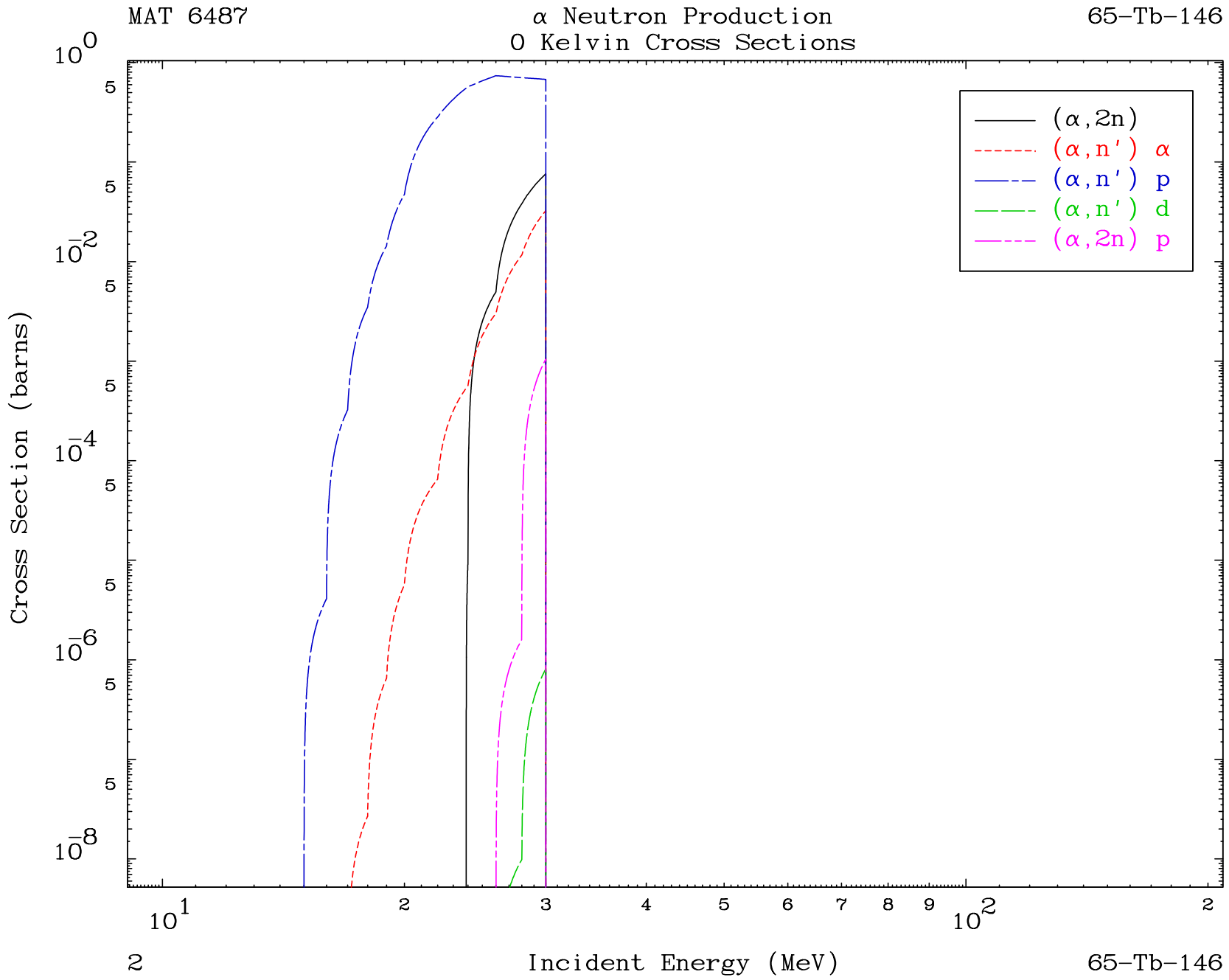
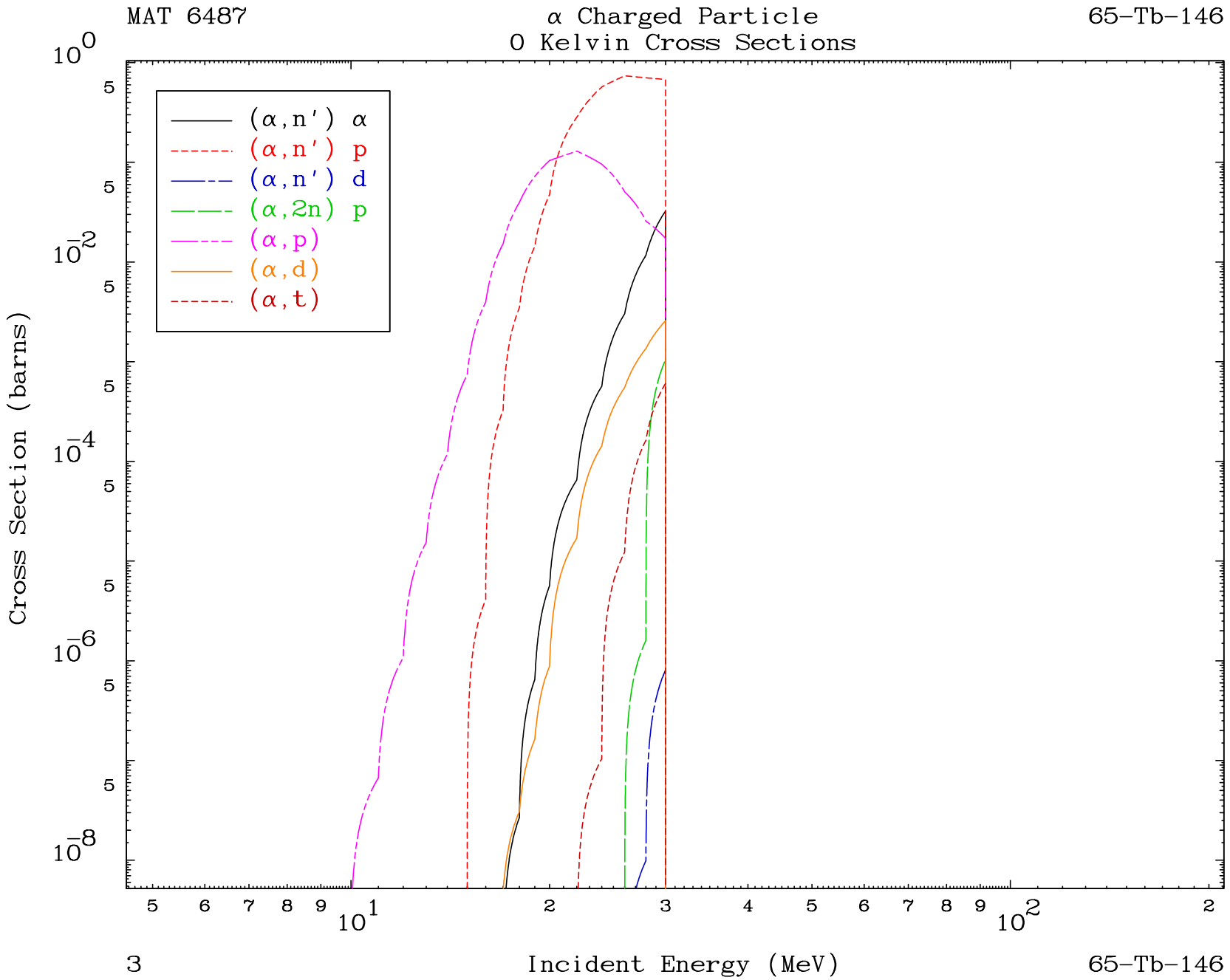
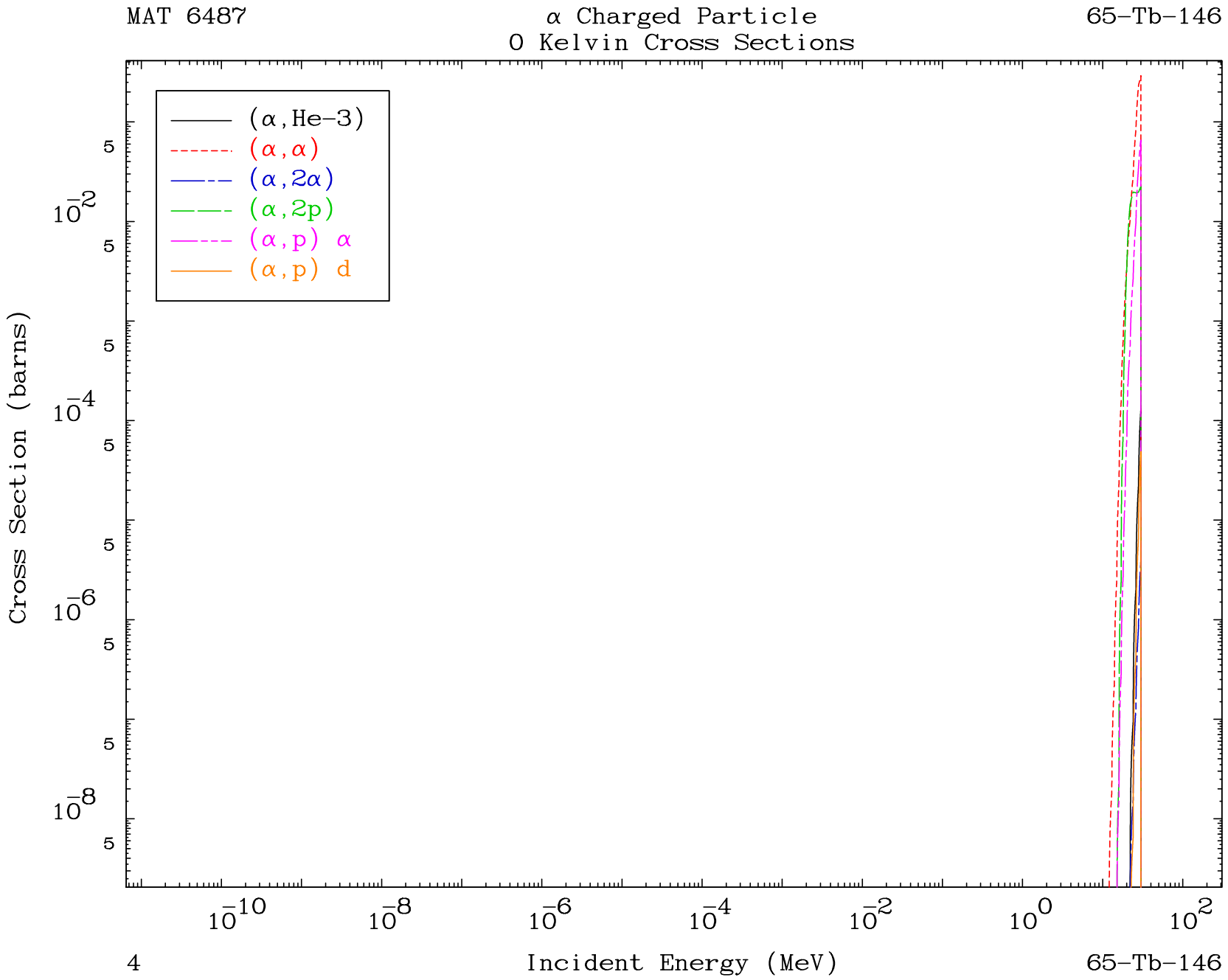
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

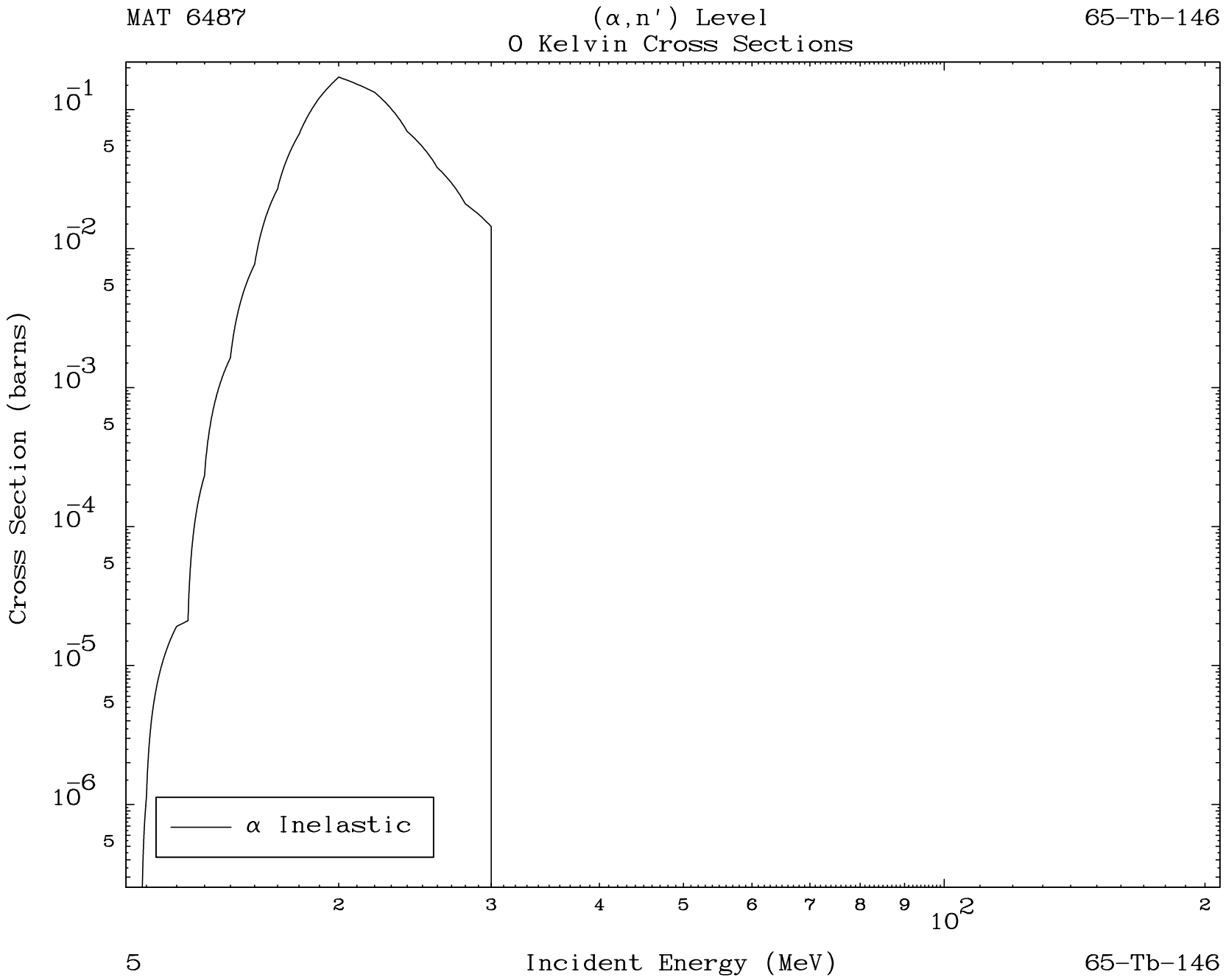
Press Mouse Button to Start

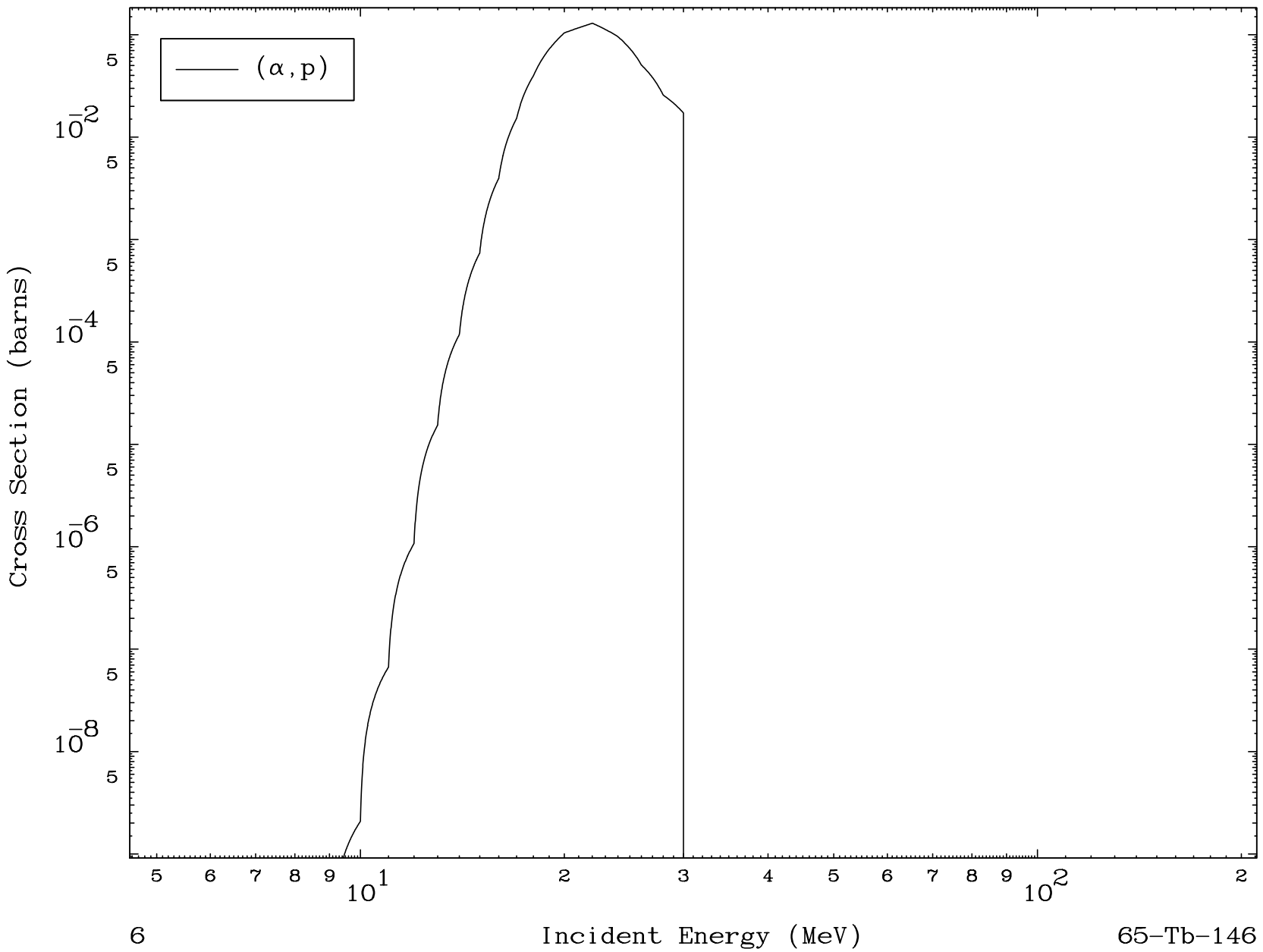

MAT 6487
α Major
65-Tb-146
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-146

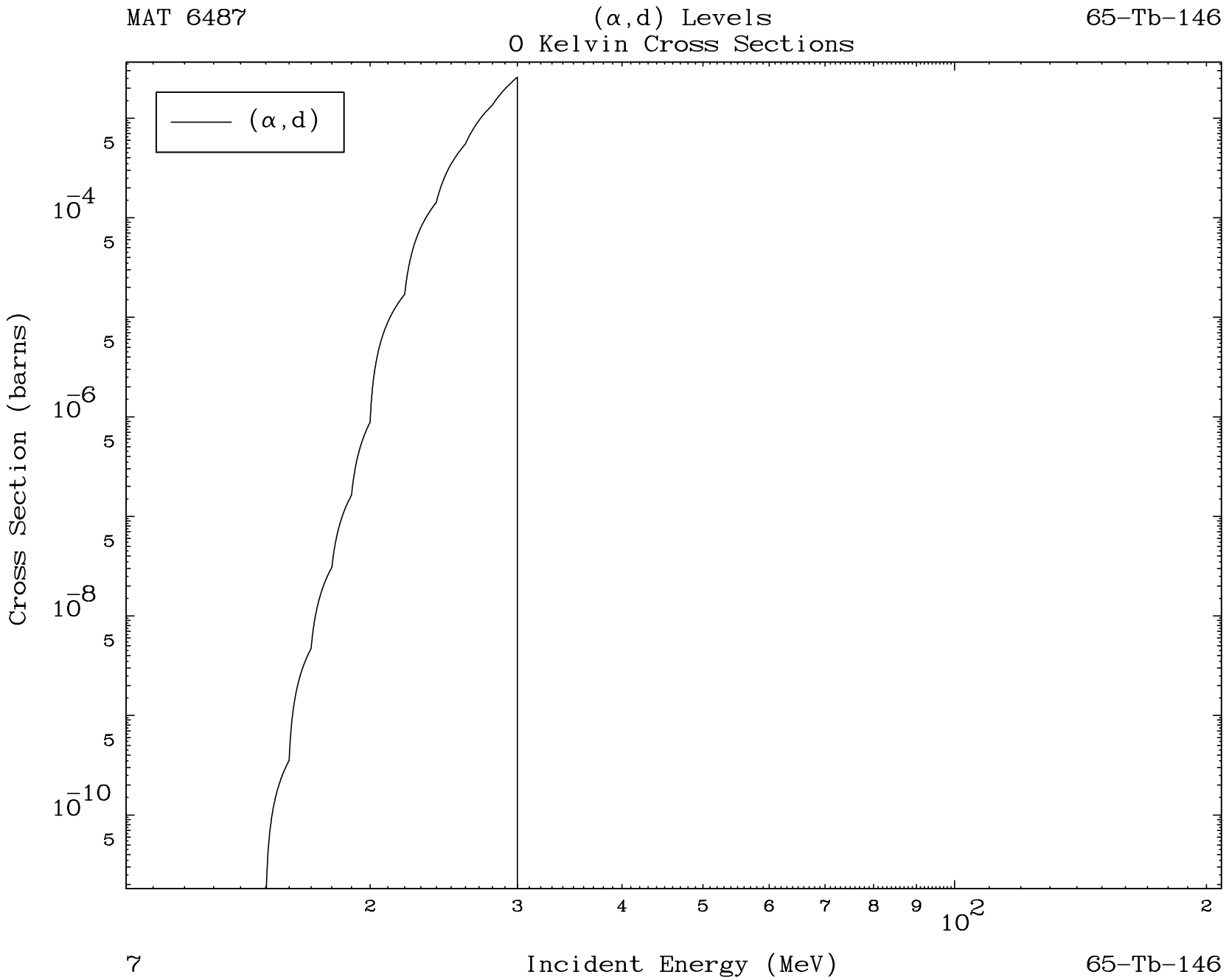

MAT 6487
α Neutron Production
0 Kelvin Cross Sections
65-Tb-146
Cross Section (barns)
Incident Energy (MeV)
65-Tb-146
(α,2n)
(α,n') α
(α,n') p
(α,n') d
(α,2n) p


MAT 6487
α Charged Particle
0 Kelvin Cross Sections
65-Tb-146
(α,n') α
(α,n') p
(α,n') d
(α,2n) p
(α,p)
(α,d)
(α,t)
Cross Section (barns)
Incident Energy (MeV)
3
65-Tb-146

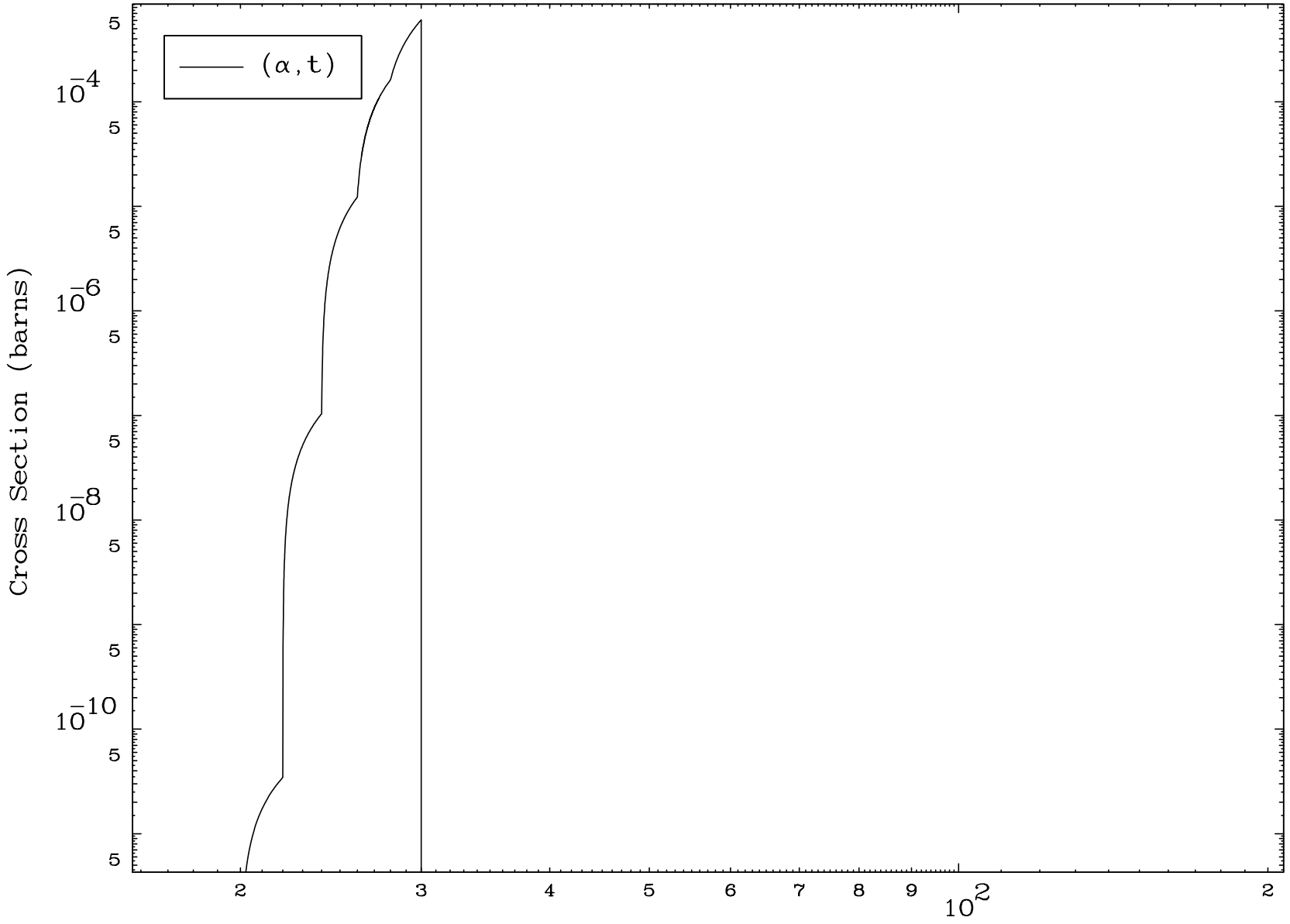

MAT 6487
α Charged Particle
0 Kelvin Cross Sections
65-Tb-146
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
65-Tb-146

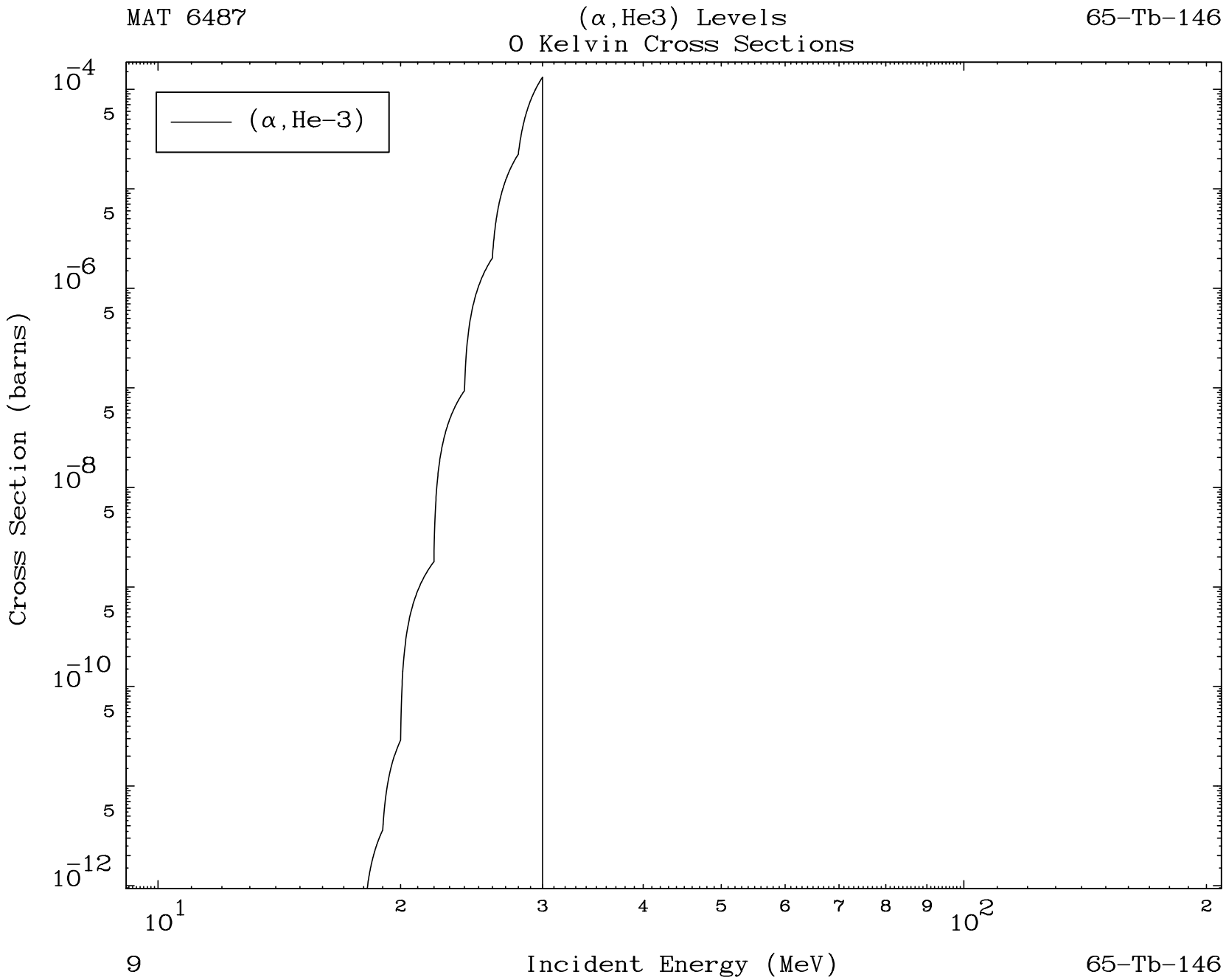

MAT 6487
(α,n') Level
65-Tb-146
0 Kelvin Cross Sections
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
10-6
5
α Inelastic
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
65-Tb-146

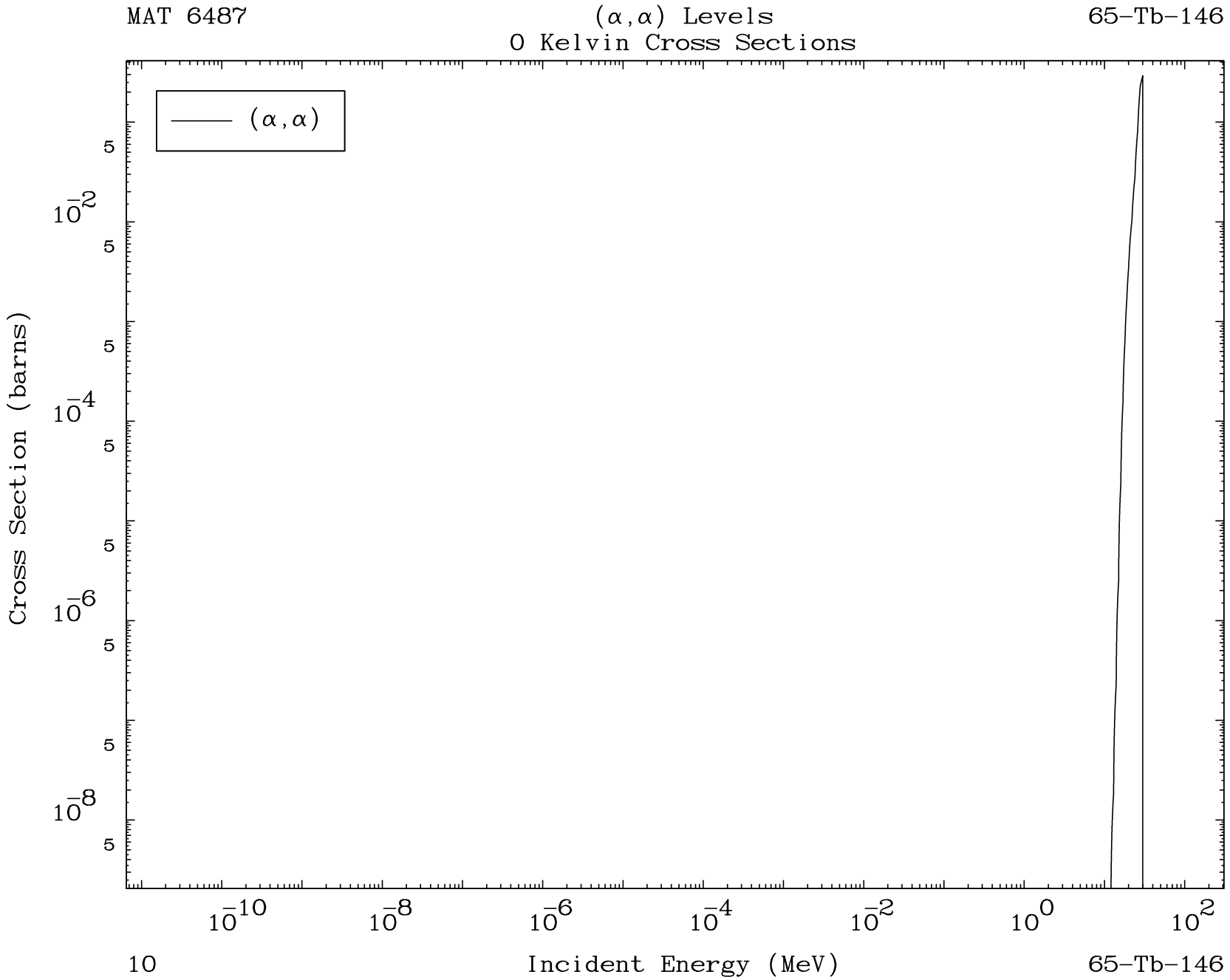

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

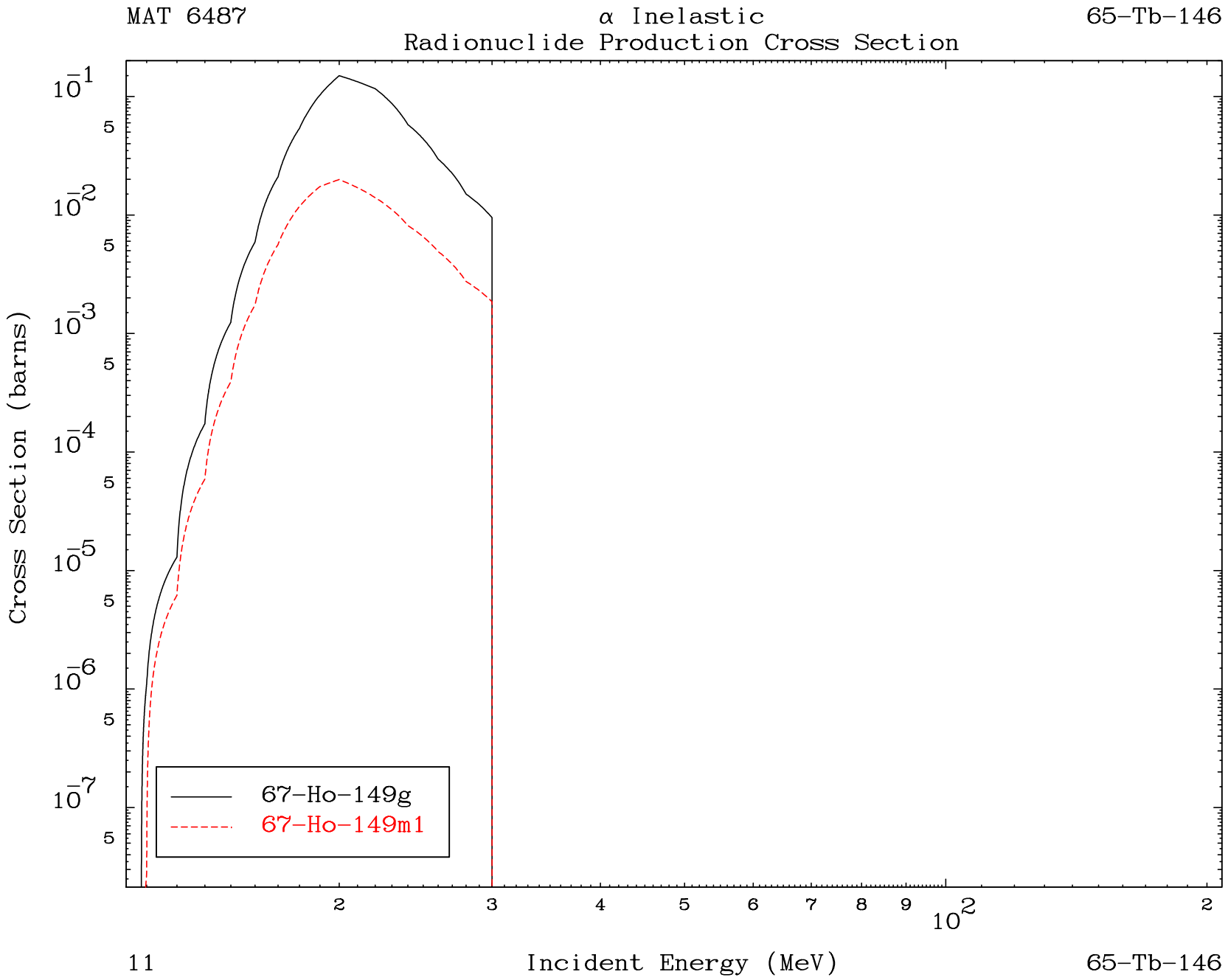

MAT 6487
(α,d) Levels
65-Tb-146
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
65-Tb-146

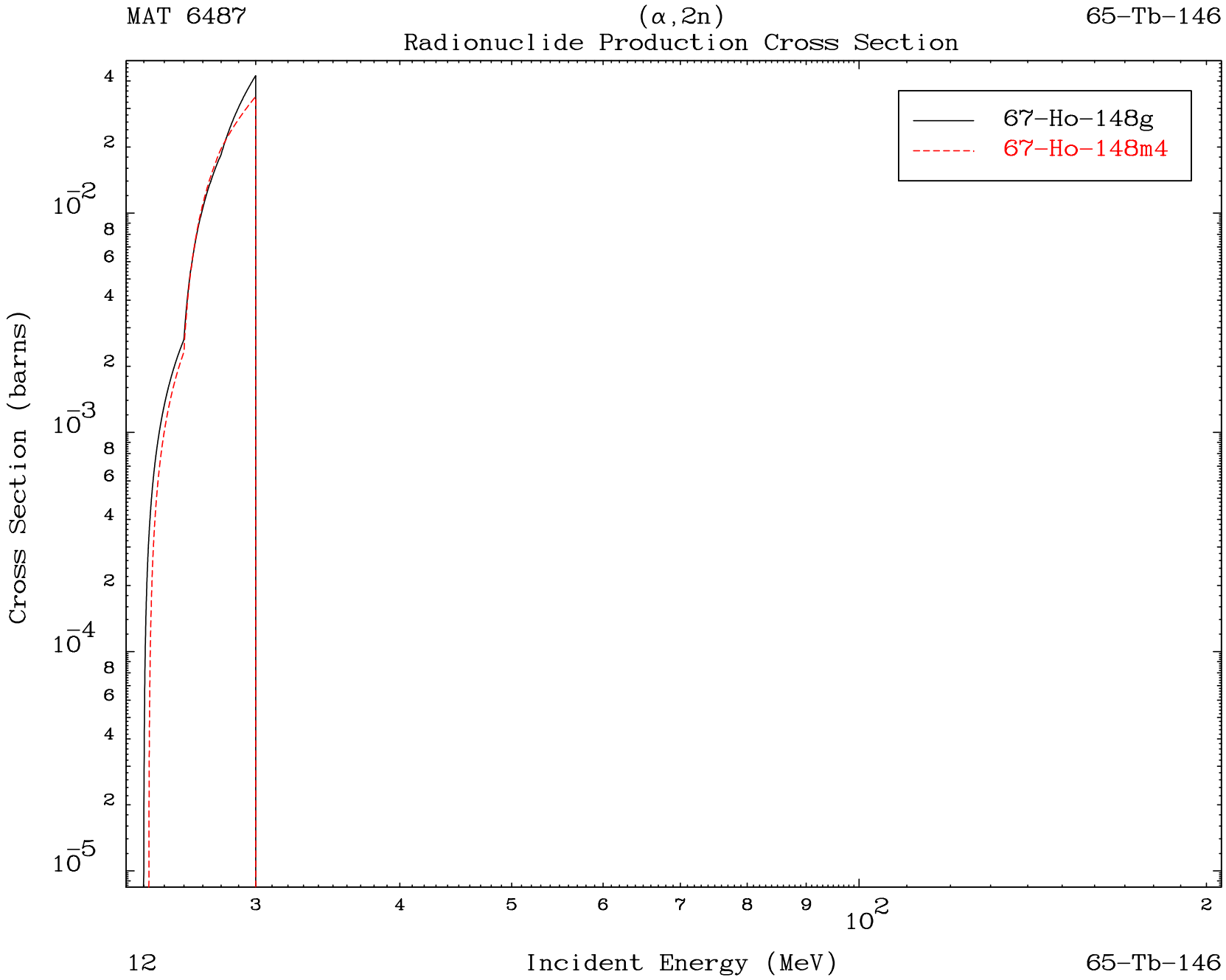
0 Kelvin Cross Sections

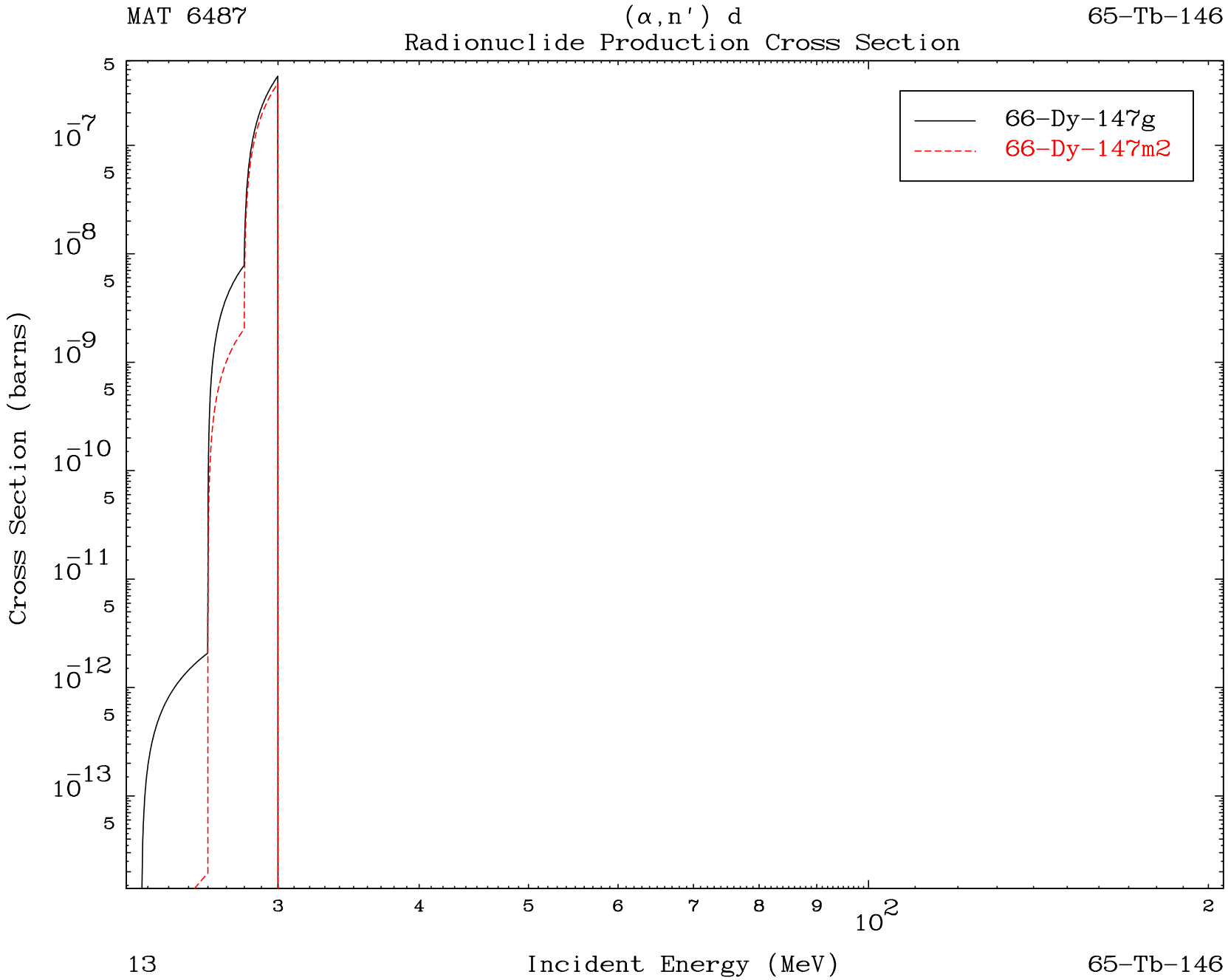


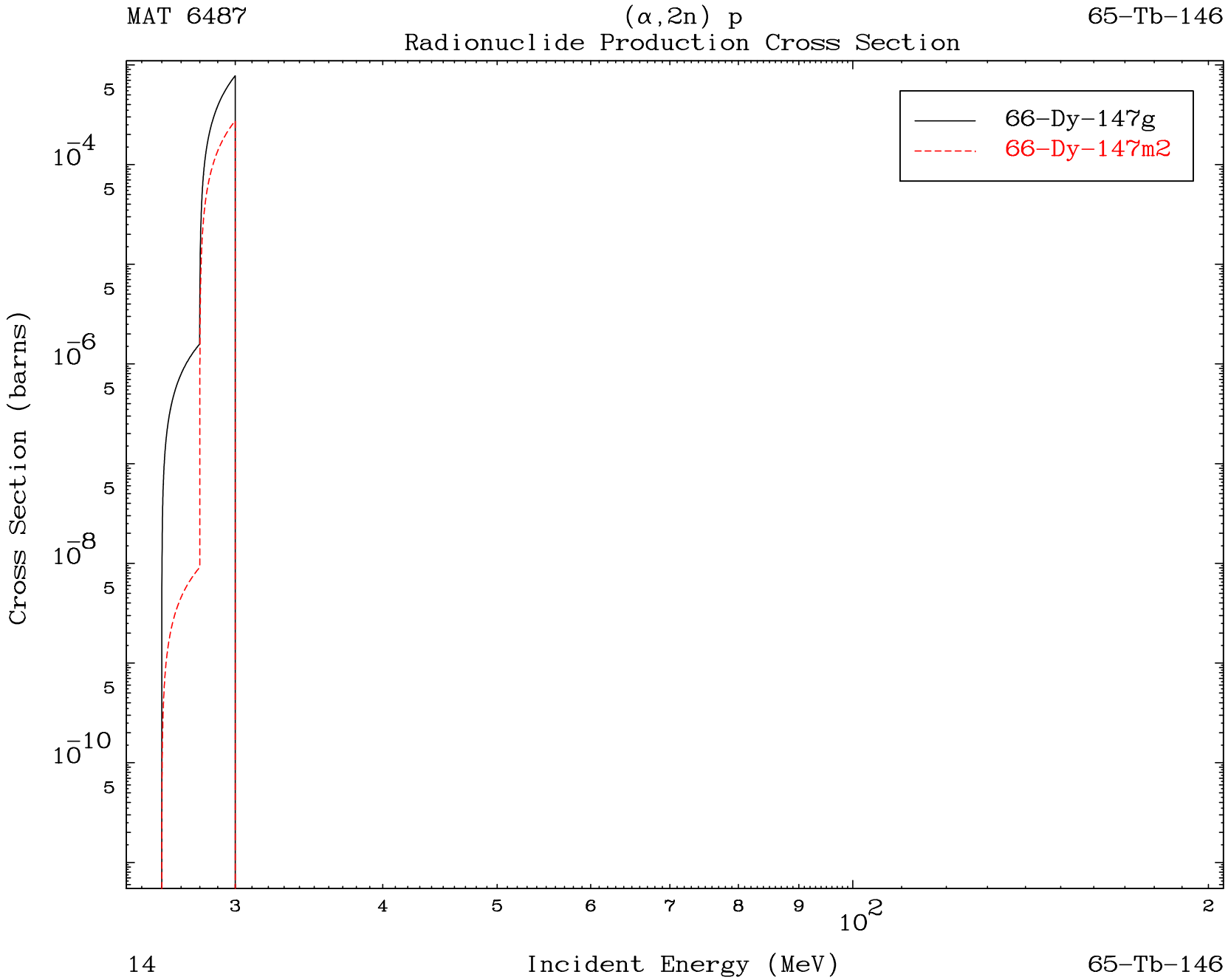

MAT 6487
(α,He3) Levels
65-Tb-146
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
9
65-Tb-146

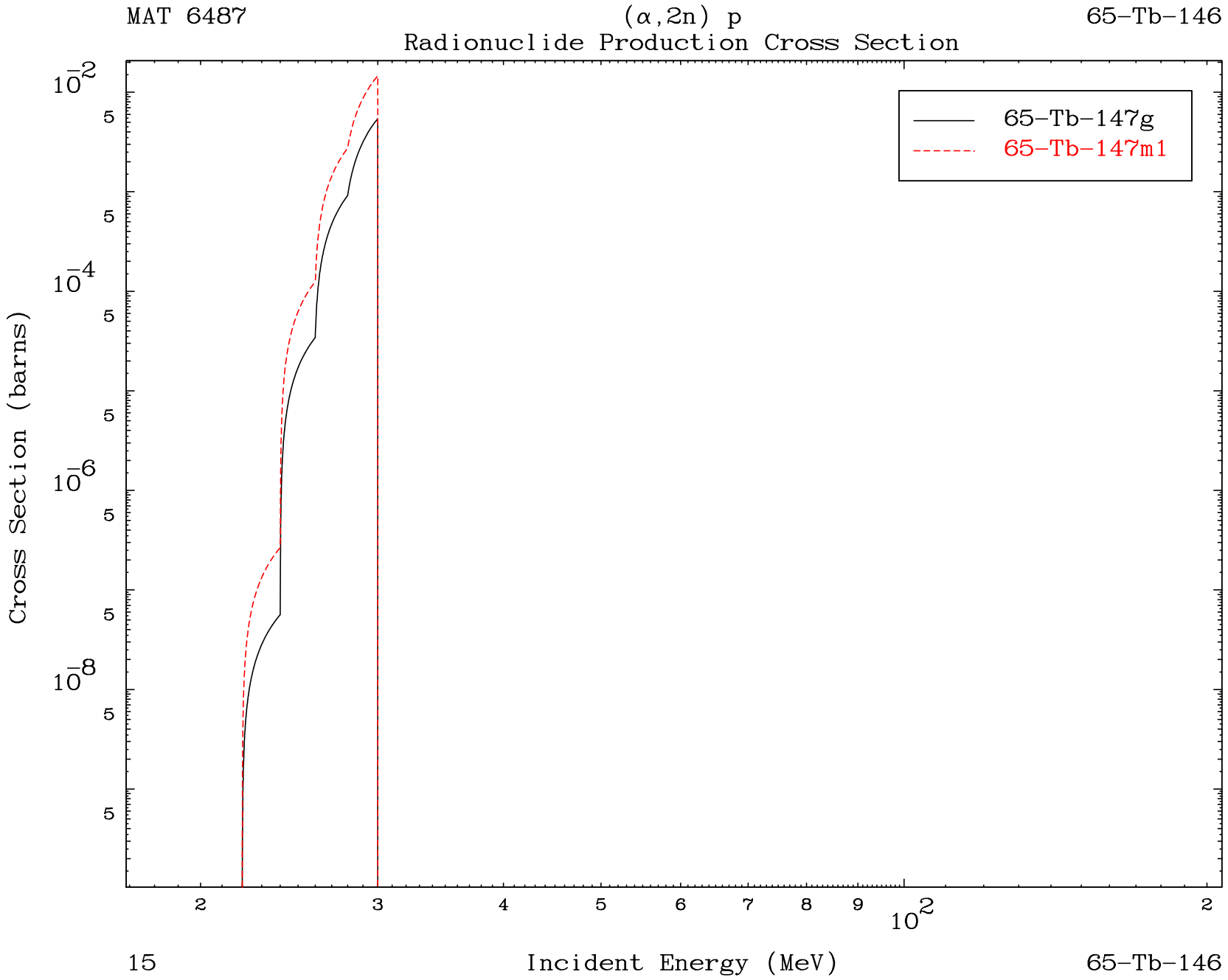

MAT 6487
(α,α) Levels
65-Tb-146
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-146
10

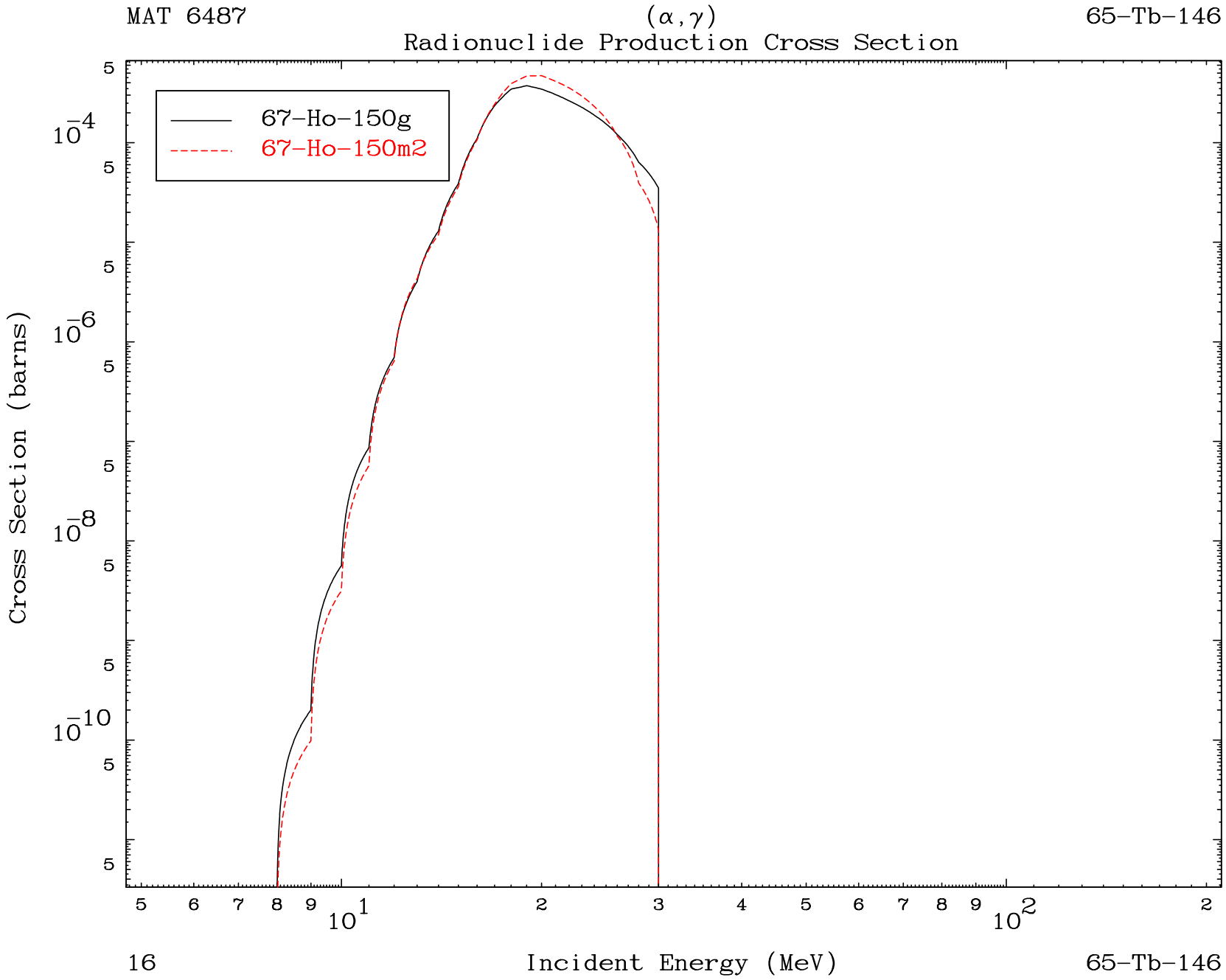

MAT 6487
α Inelastic
65-Tb-146
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
10-7
5
2
3
4
5
6
7
8
9
10 2
2
67-Ho-149g
67-Ho-149m1
11
Incident Energy (MeV)
65-Tb-146

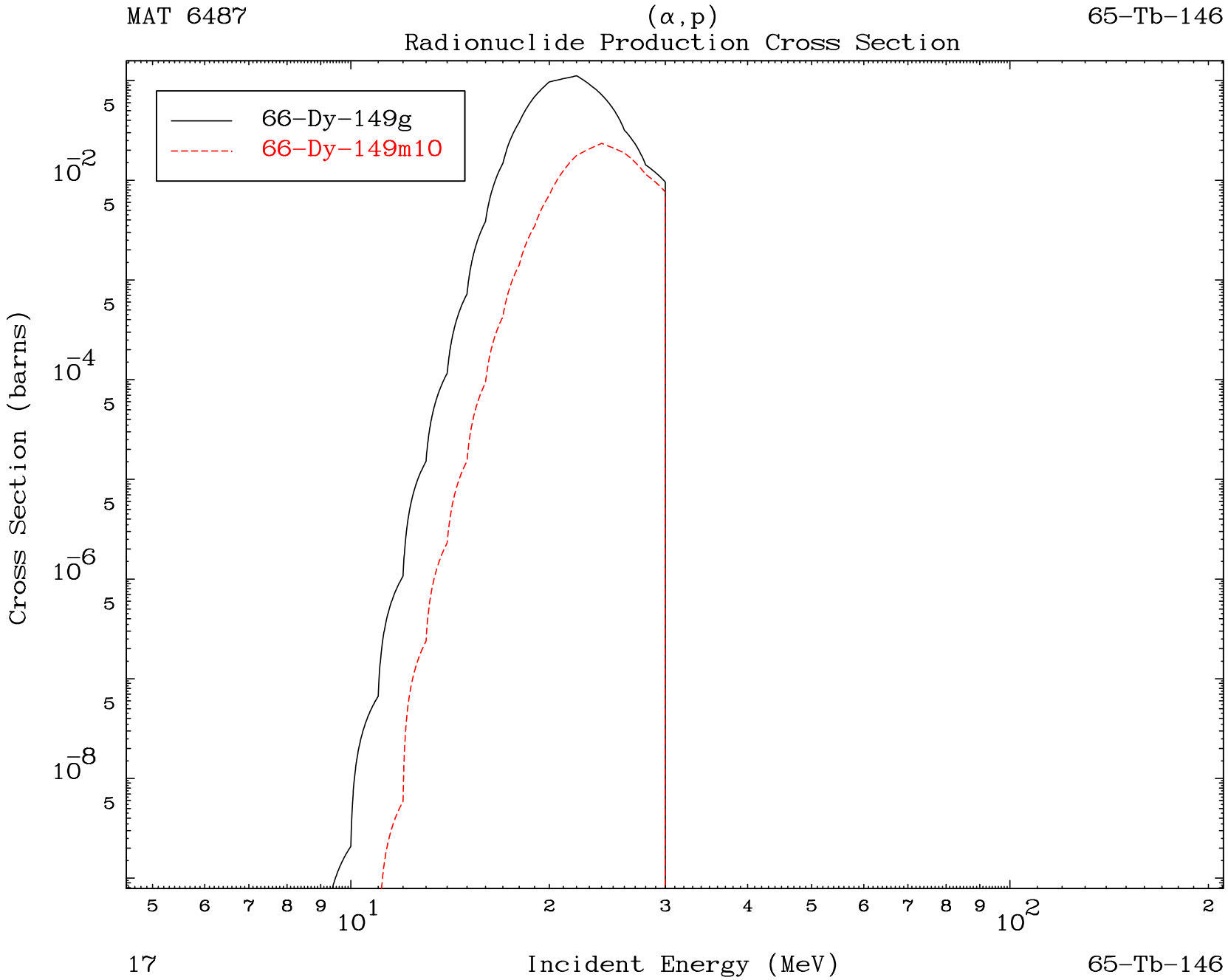

MAT 6487
(α,2n)
65-Tb-146
Radionuclide Production Cross Section
67-Ho-148g
67-Ho-148m4
Cross Section (barns)
Incident Energy (MeV)
12
65-Tb-146

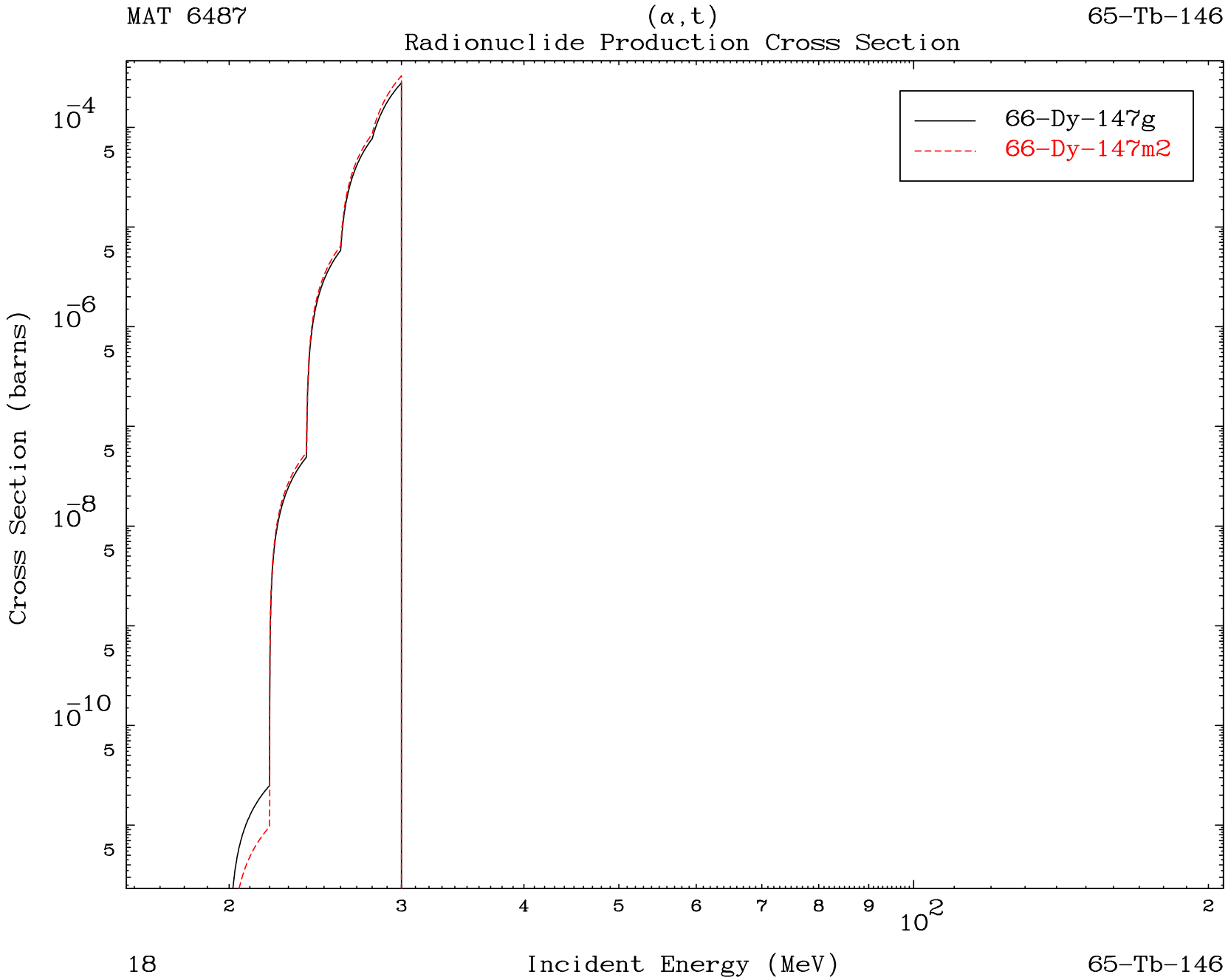

MAT 6487
(α,n') d
65-Tb-146
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
13
65-Tb-146

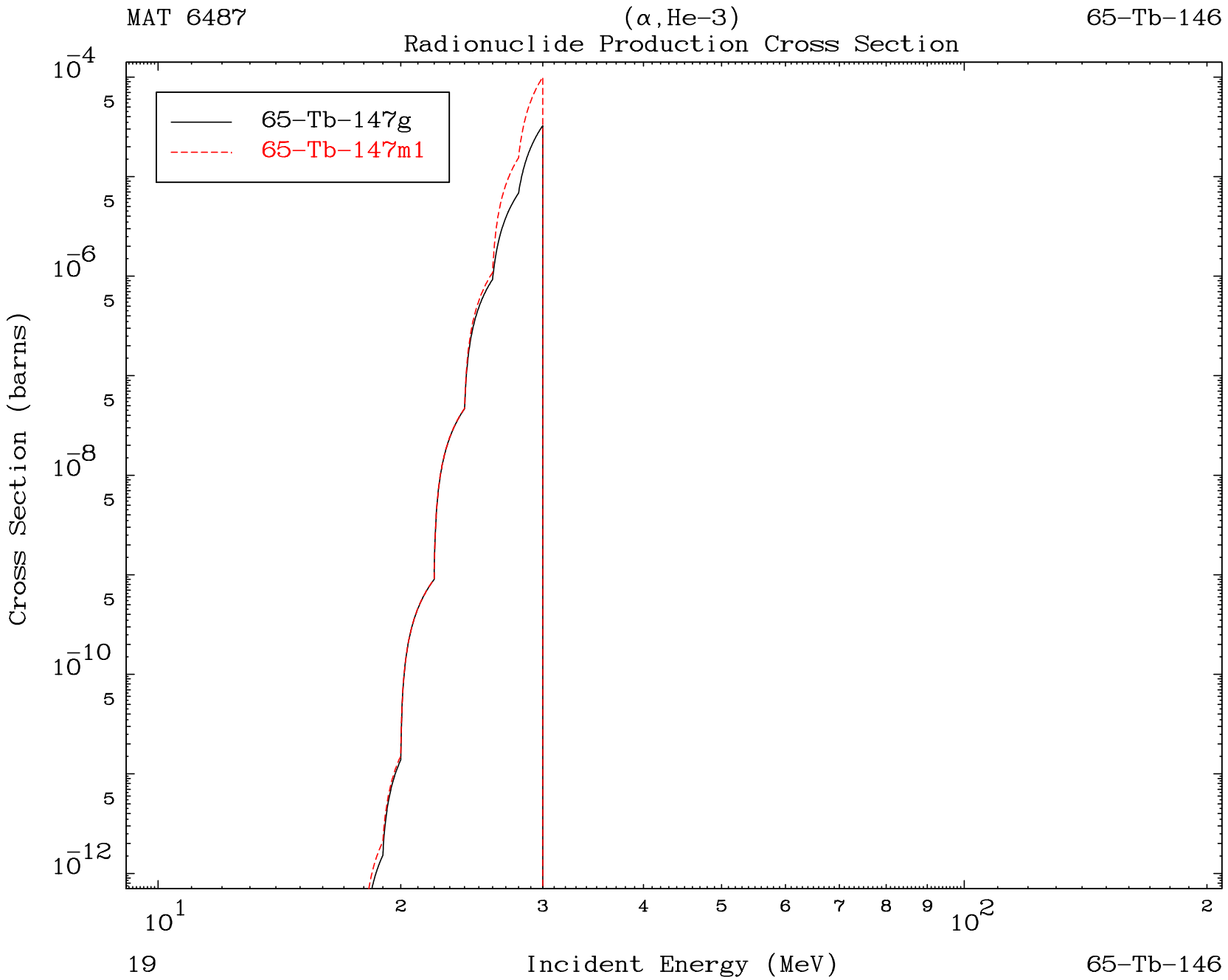

MAT 6487
(α,2n) p
65-Tb-146
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
65-Tb-146

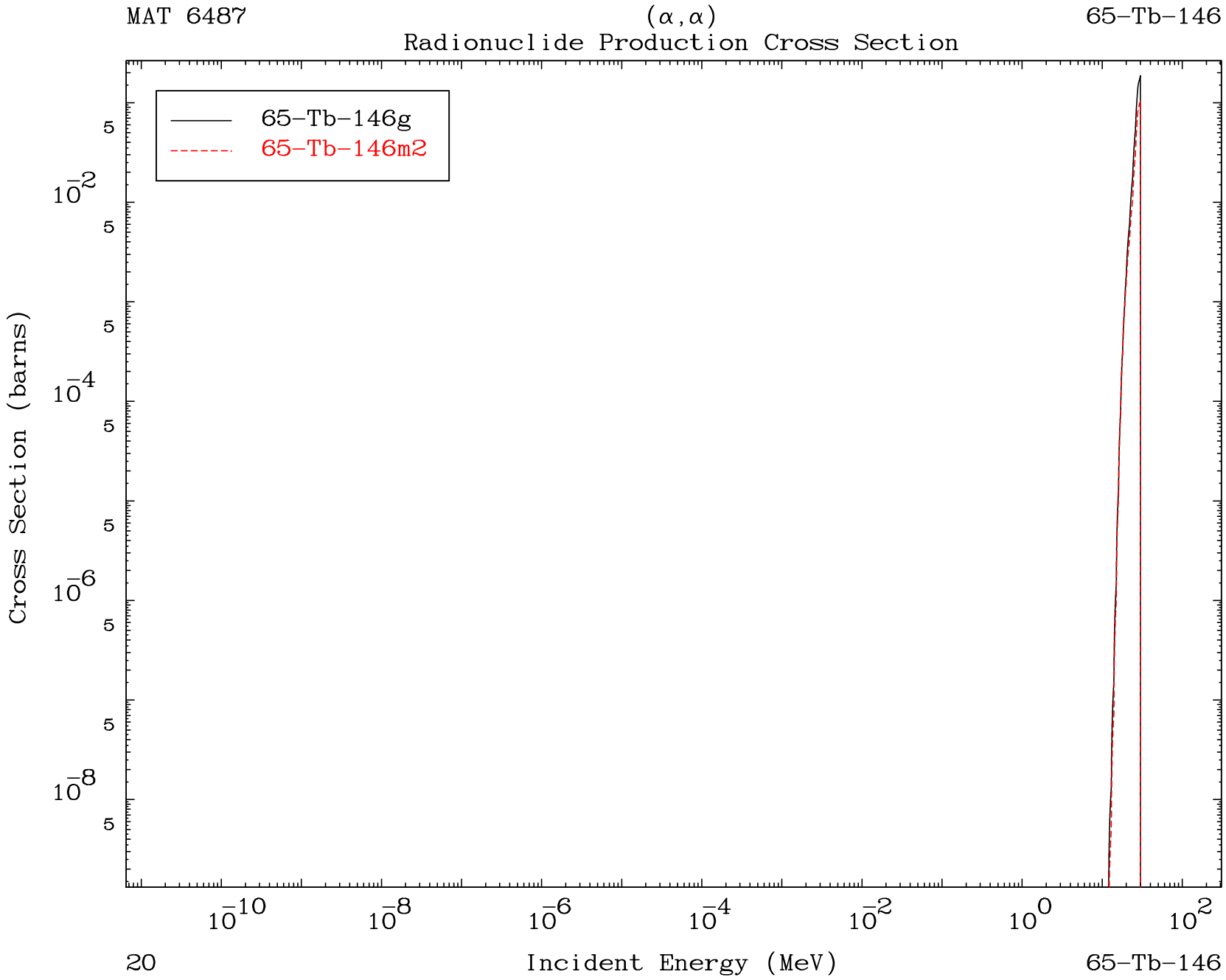

MAT 6487
(α,2n) p
65-Tb-146
Radionuclide Production Cross Section
65-Tb-147g
65-Tb-147m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
15
65-Tb-146

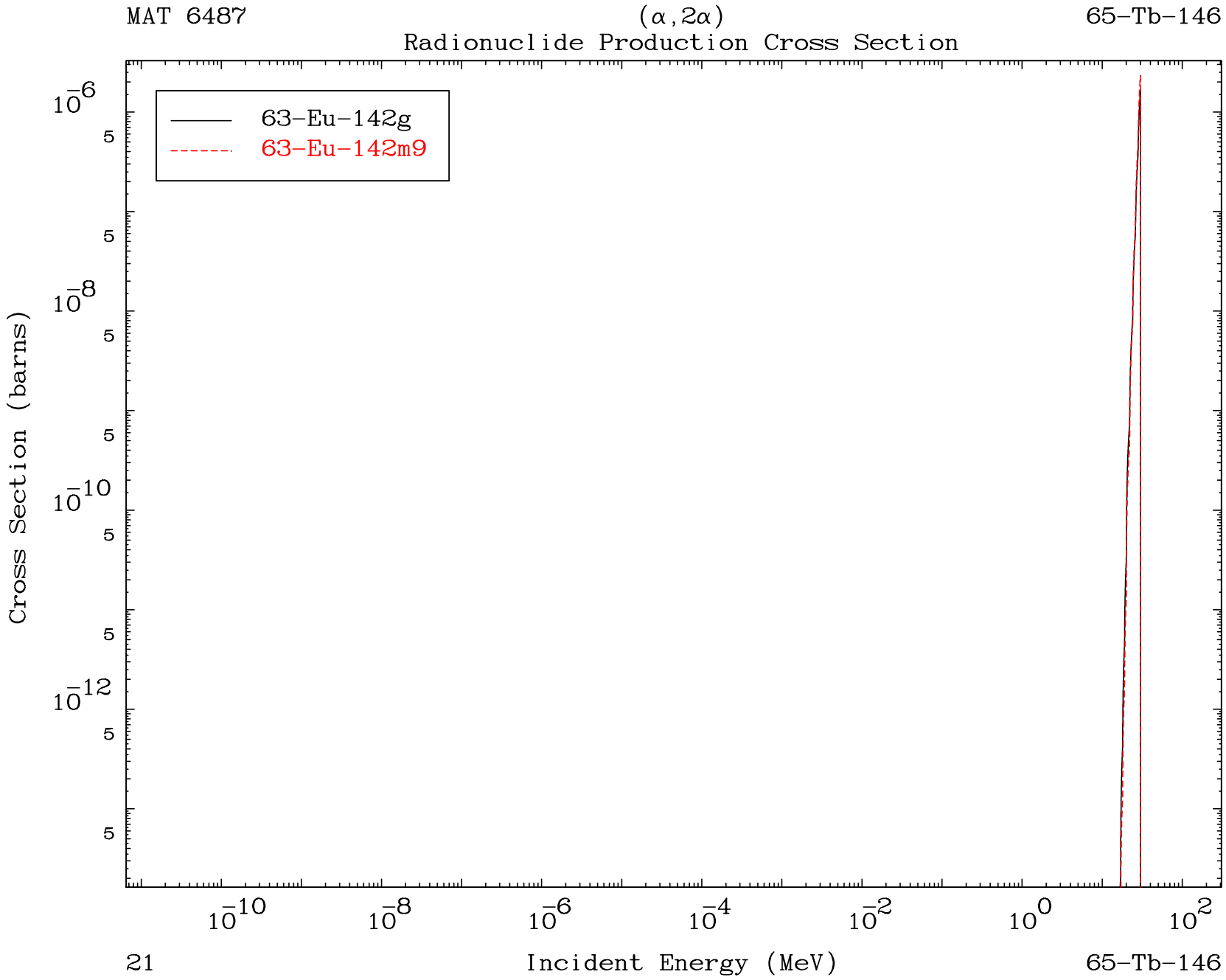

MAT 6487
(α,γ)
65-Tb-146
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m2
Cross Section (barns)
Incident Energy (MeV)
16
65-Tb-146

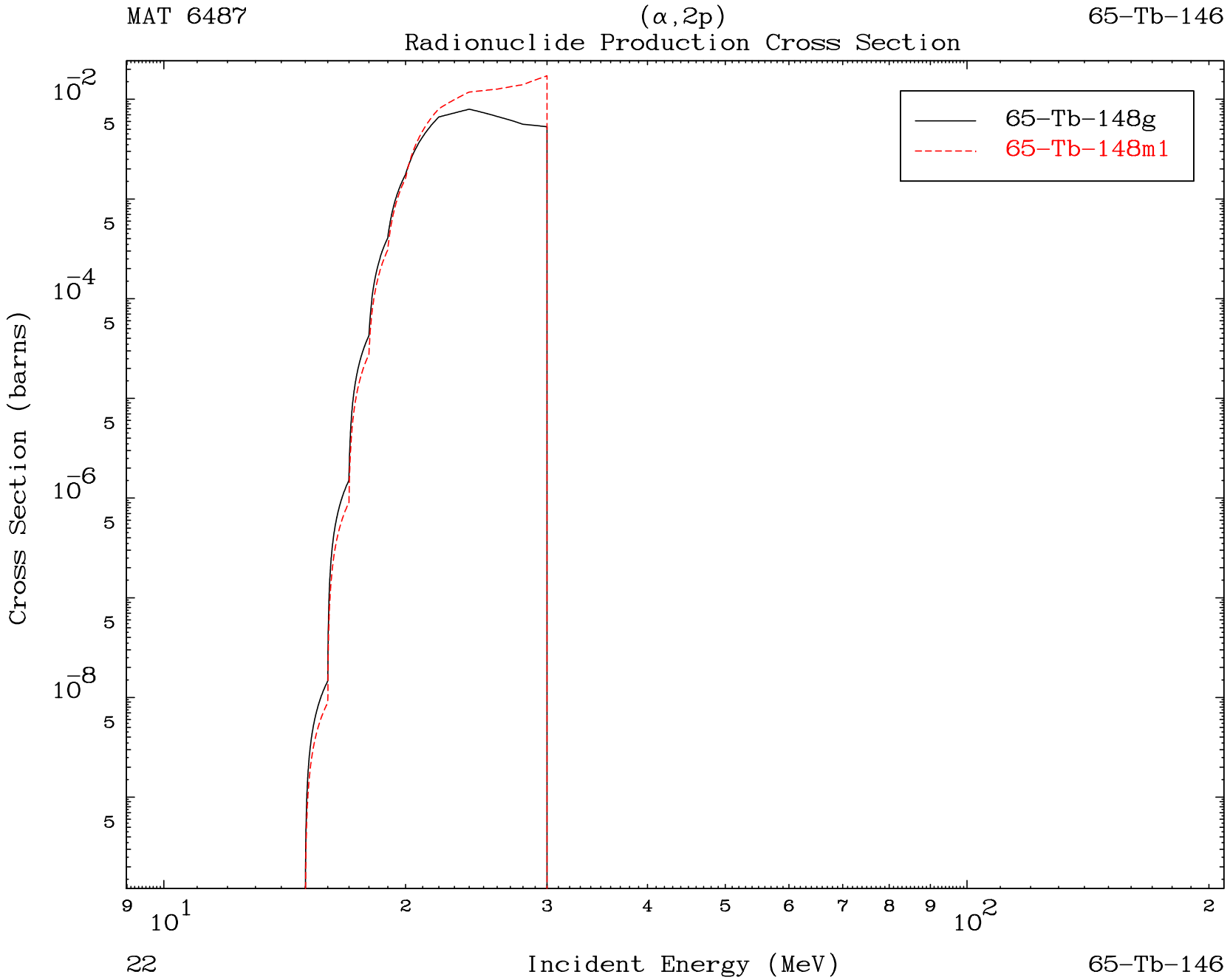

MAT 6487
(α,p)
65-Tb-146
Radionuclide Production Cross Section
66-Dy-149g
66-Dy-149m10
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
65-Tb-146

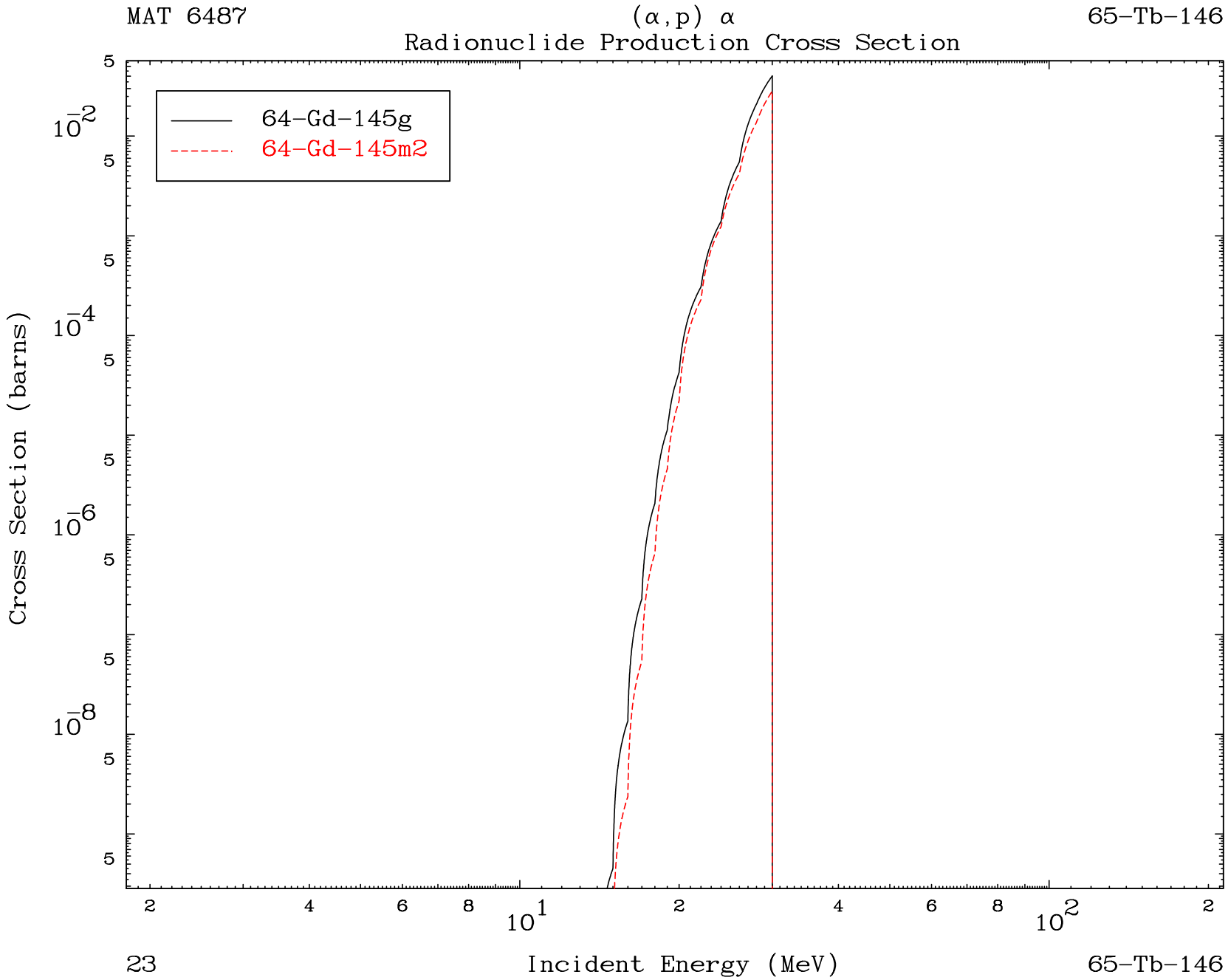

MAT 6487
(α,t)
65-Tb-146
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
65-Tb-146

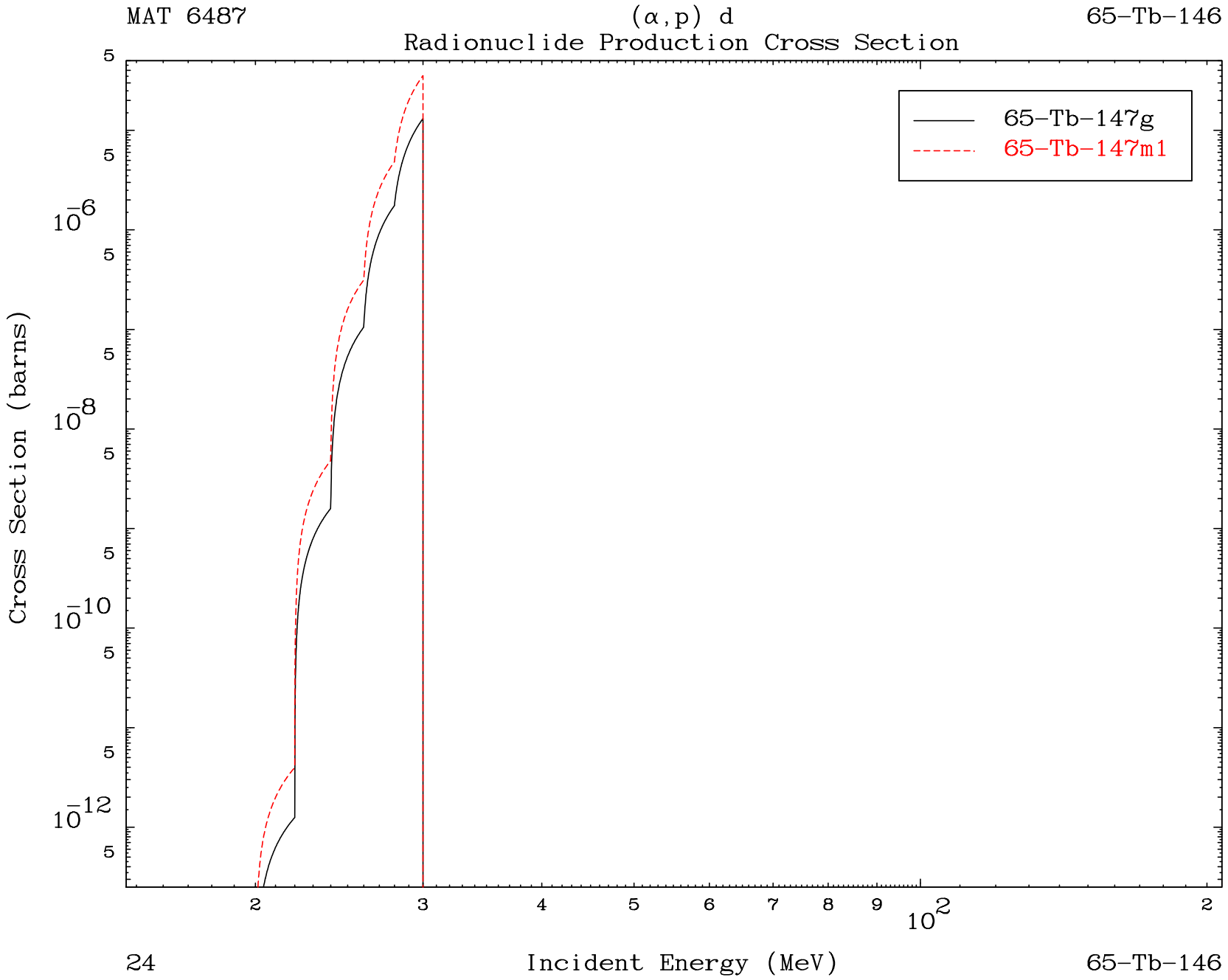

MAT 6487
(α,He-3)
65-Tb-146
Radionuclide Production Cross Section
65-Tb-147g
65-Tb-147m1
Cross Section (barns)
Incident Energy (MeV)
19
65-Tb-146

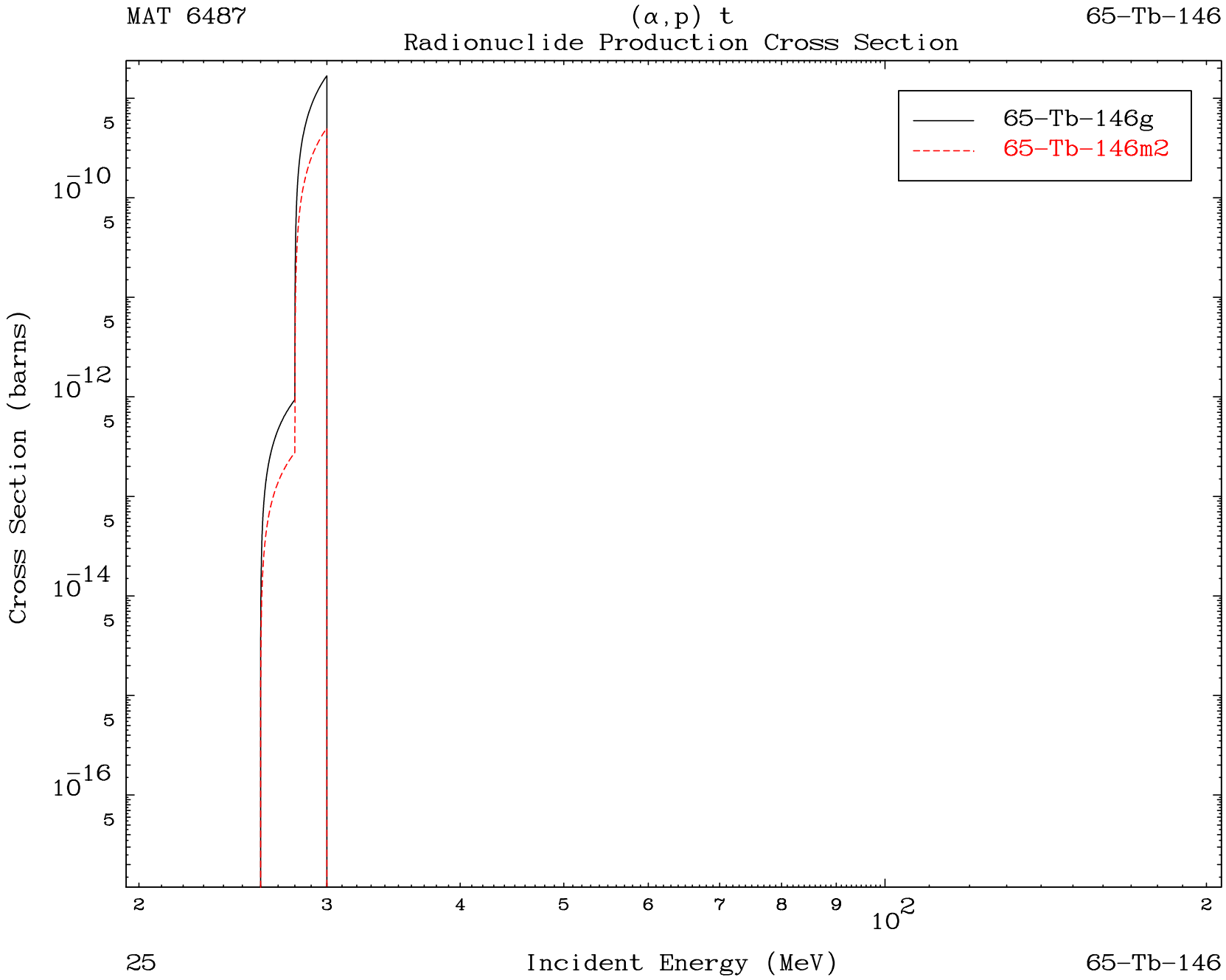

MAT 6487
(α,α)
65-Tb-146
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
20
Incident Energy (MeV)
65-Tb-146


MAT 6487
(α,2α)
65-Tb-146
Radionuclide Production Cross Section
63-Eu-142g
63-Eu-142m9
Cross Section (barns)
Incident Energy (MeV)
21
65-Tb-146


MAT 6487
(α,2p)
65-Tb-146
Radionuclide Production Cross Section
65-Tb-148g
65-Tb-148m1
Cross Section (barns)
Incident Energy (MeV)
22
65-Tb-146


MAT 6487
(α,p) α
65-Tb-146
Radionuclide Production Cross Section
64-Gd-145g
64-Gd-145m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
23
Incident Energy (MeV)
65-Tb-146


MAT 6487
(α,p) d
65-Tb-146
Radionuclide Production Cross Section
65-Tb-147g
65-Tb-147m1
Cross Section (barns)
Incident Energy (MeV)
24
65-Tb-146


MAT 6487
(α,p) t
65-Tb-146
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
25
Incident Energy (MeV)
65-Tb-146