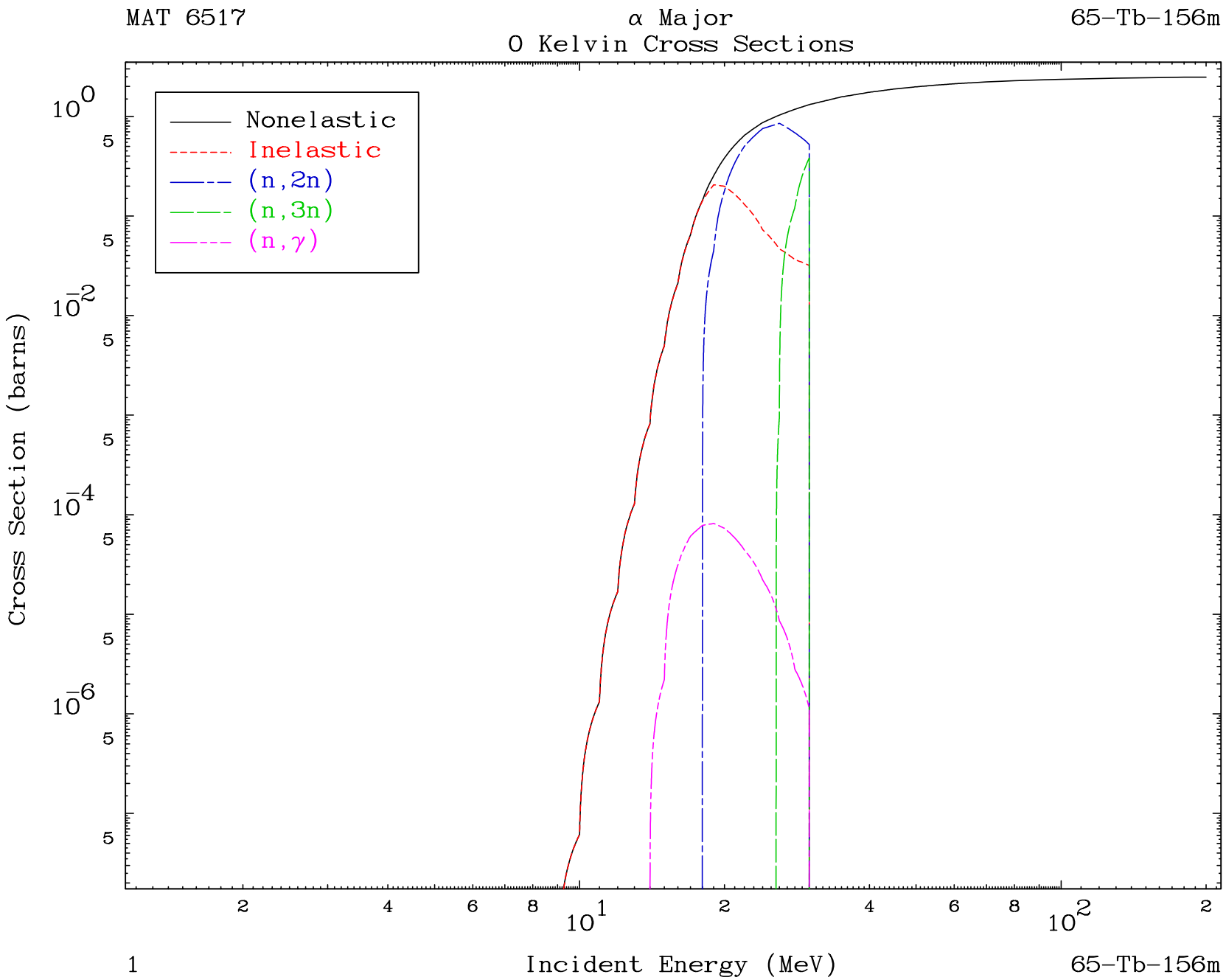
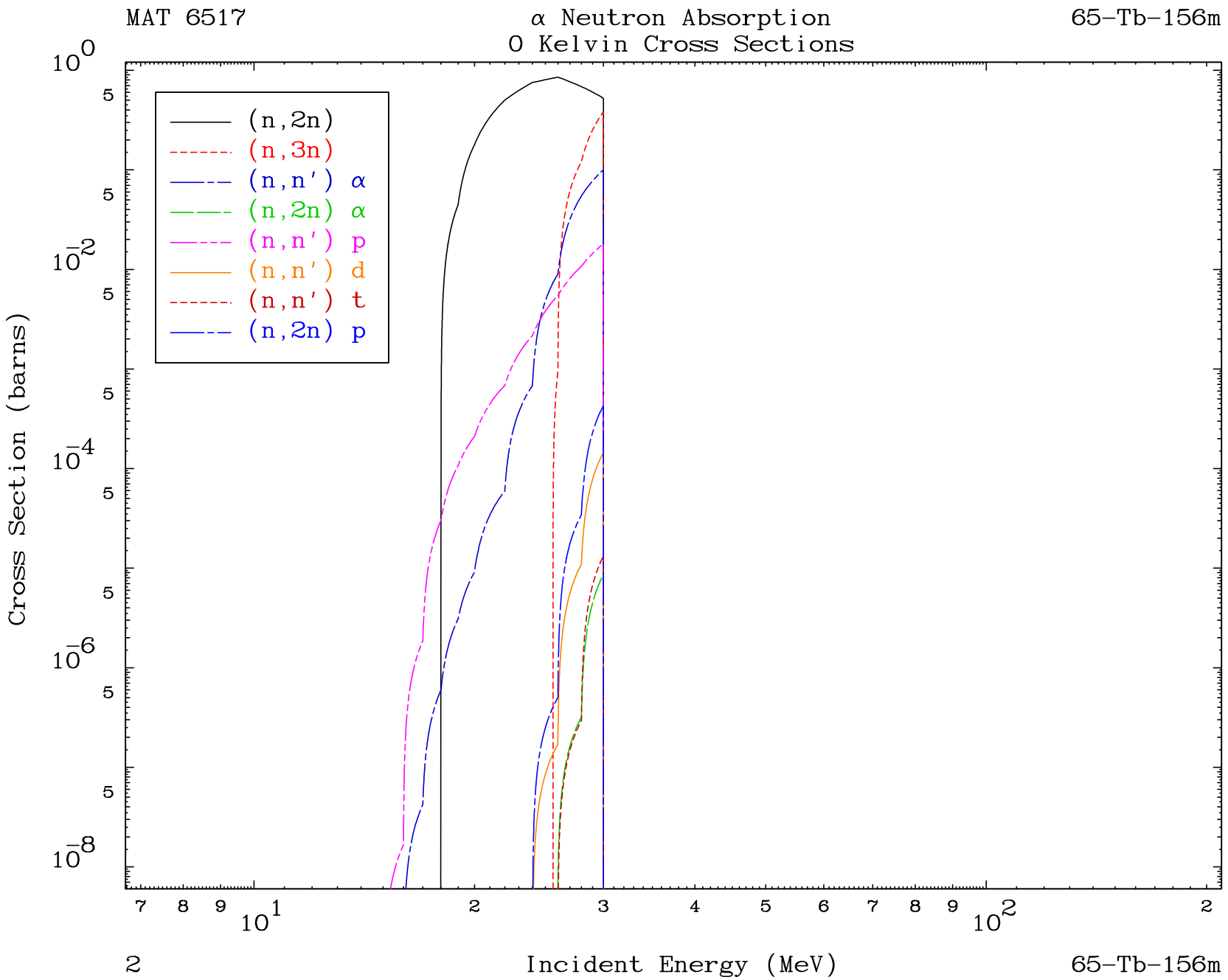
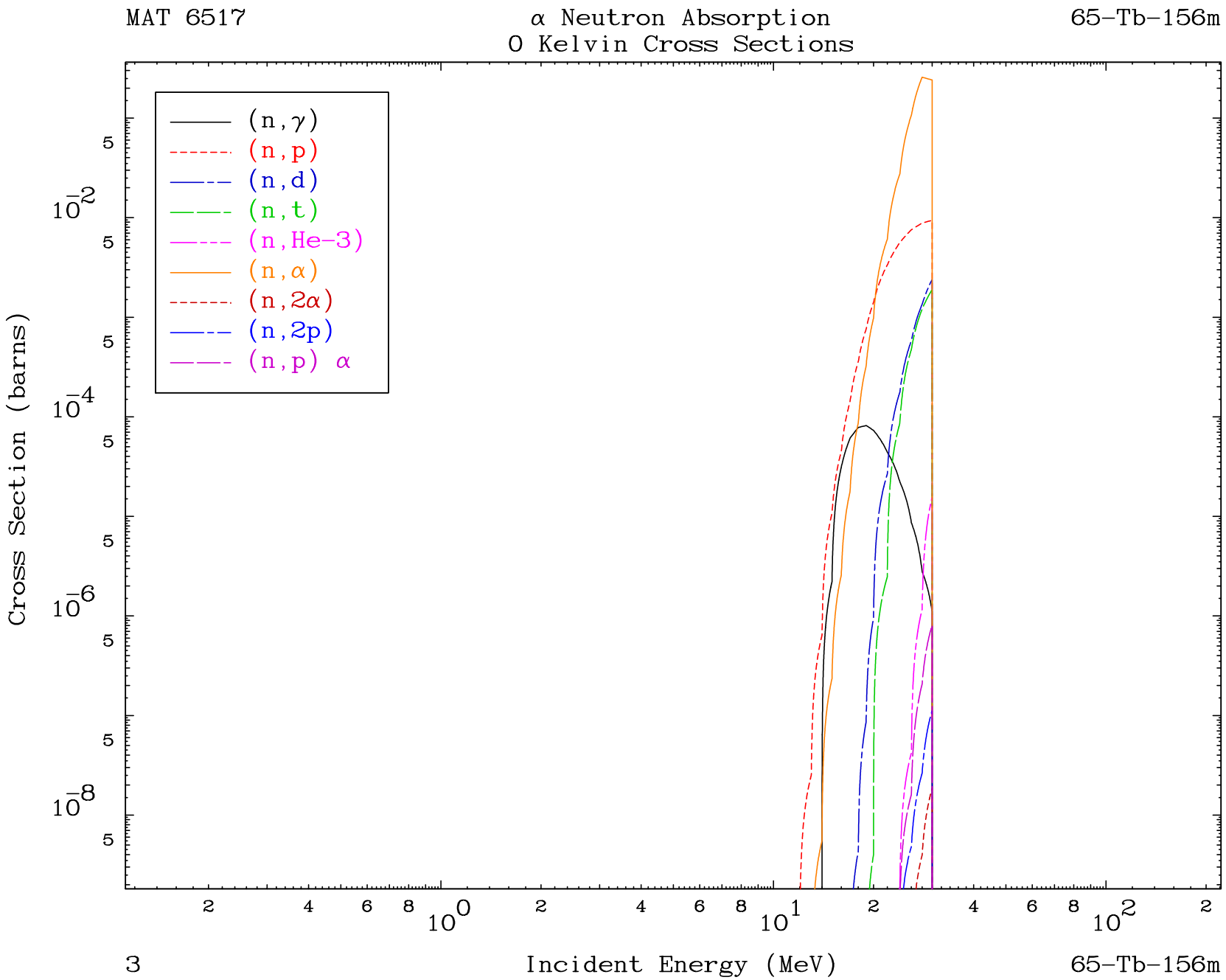
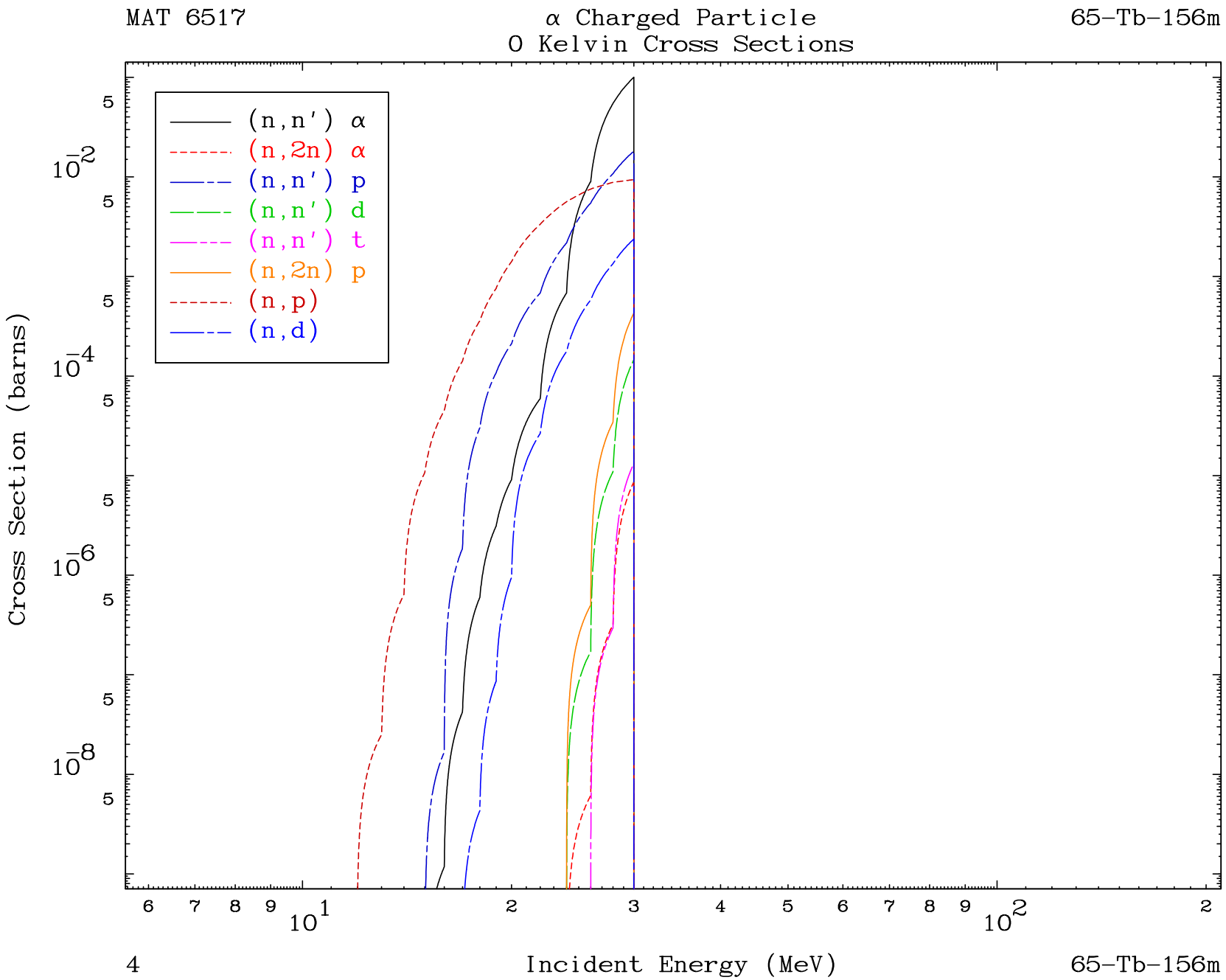
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

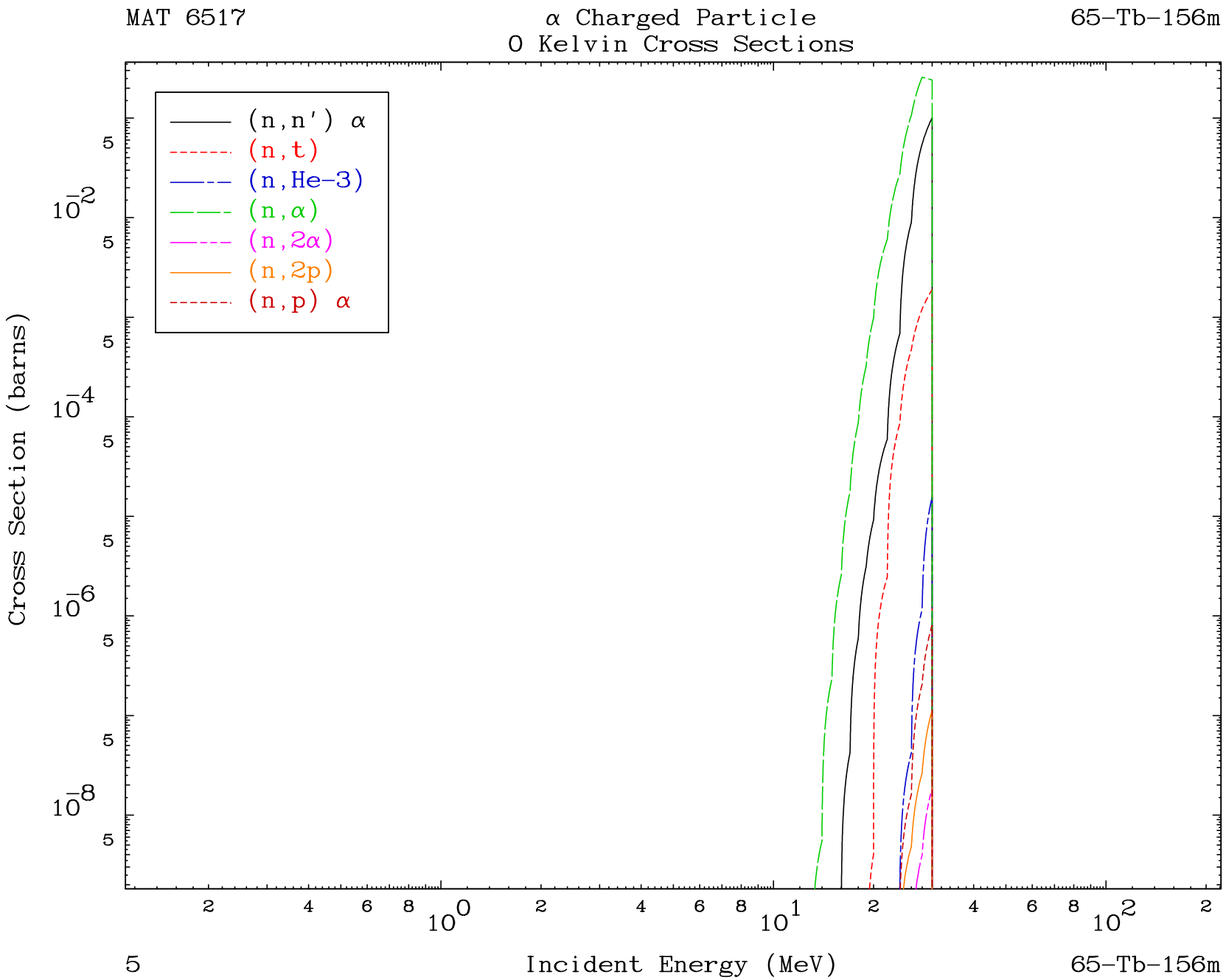
Press Mouse Button to Start

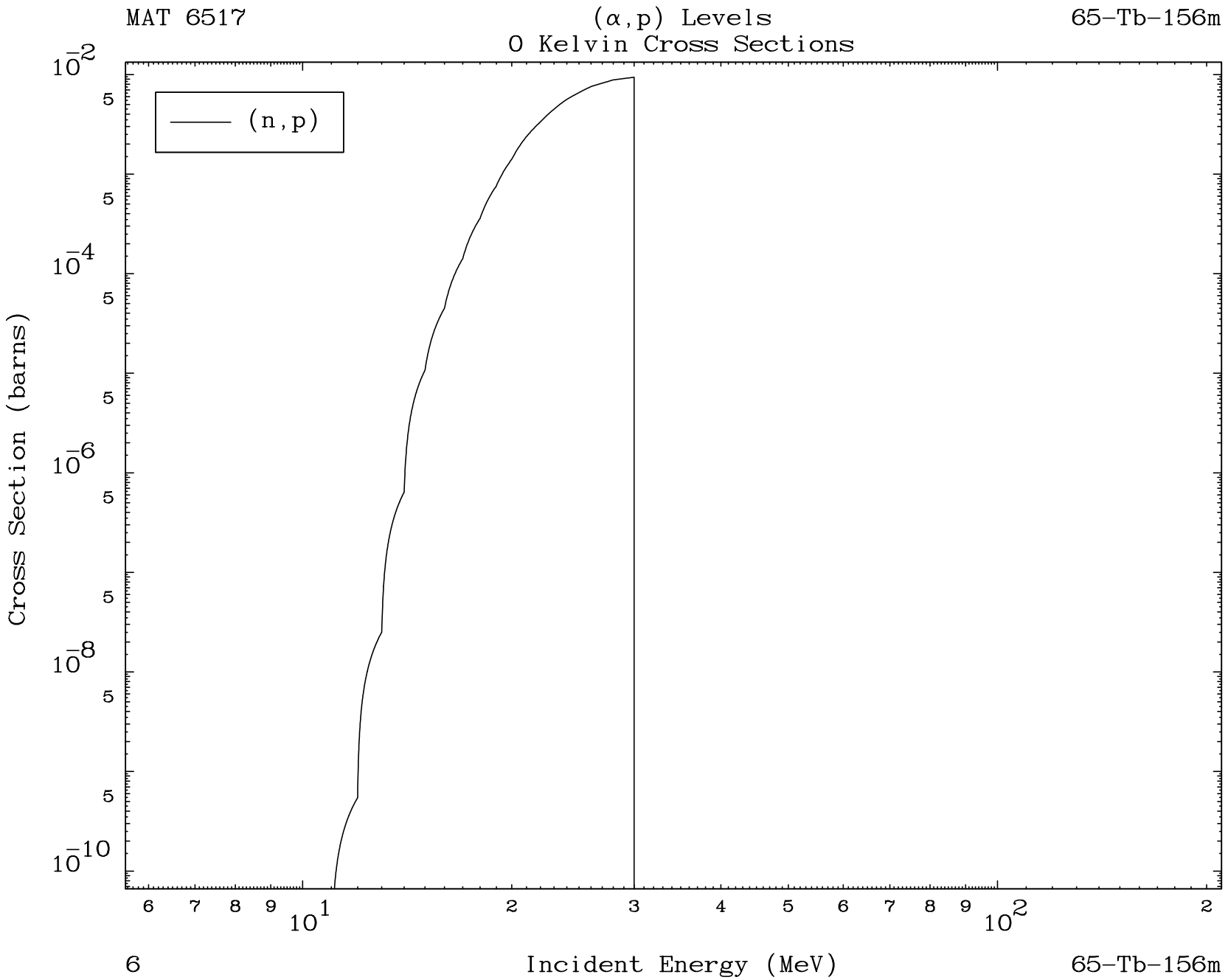

MAT 6517
α Major
65-Tb-156m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-156m

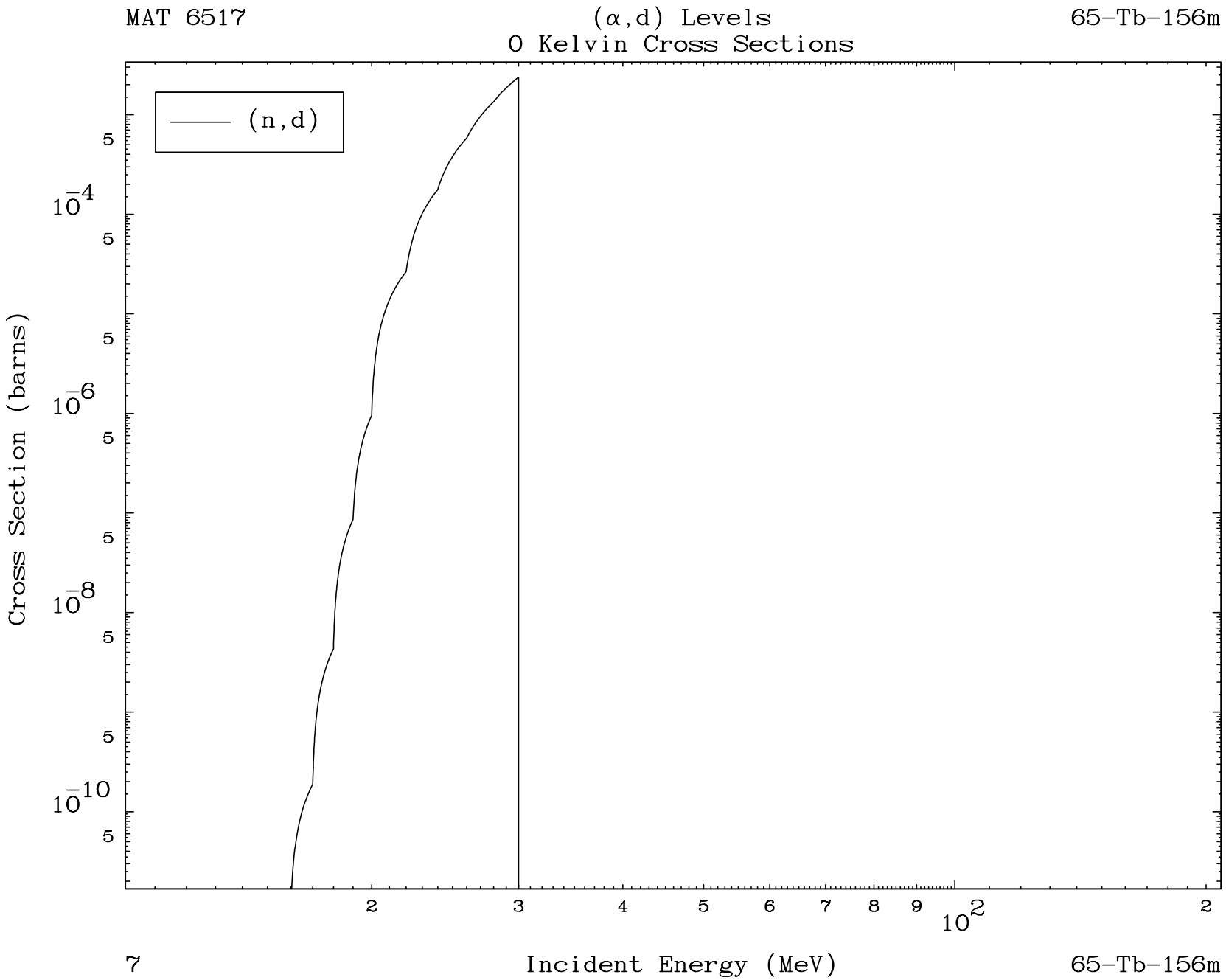

MAT 6517
α Neutron Absorption
0 Kelvin Cross Sections
65-Tb-156m
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
65-Tb-156m

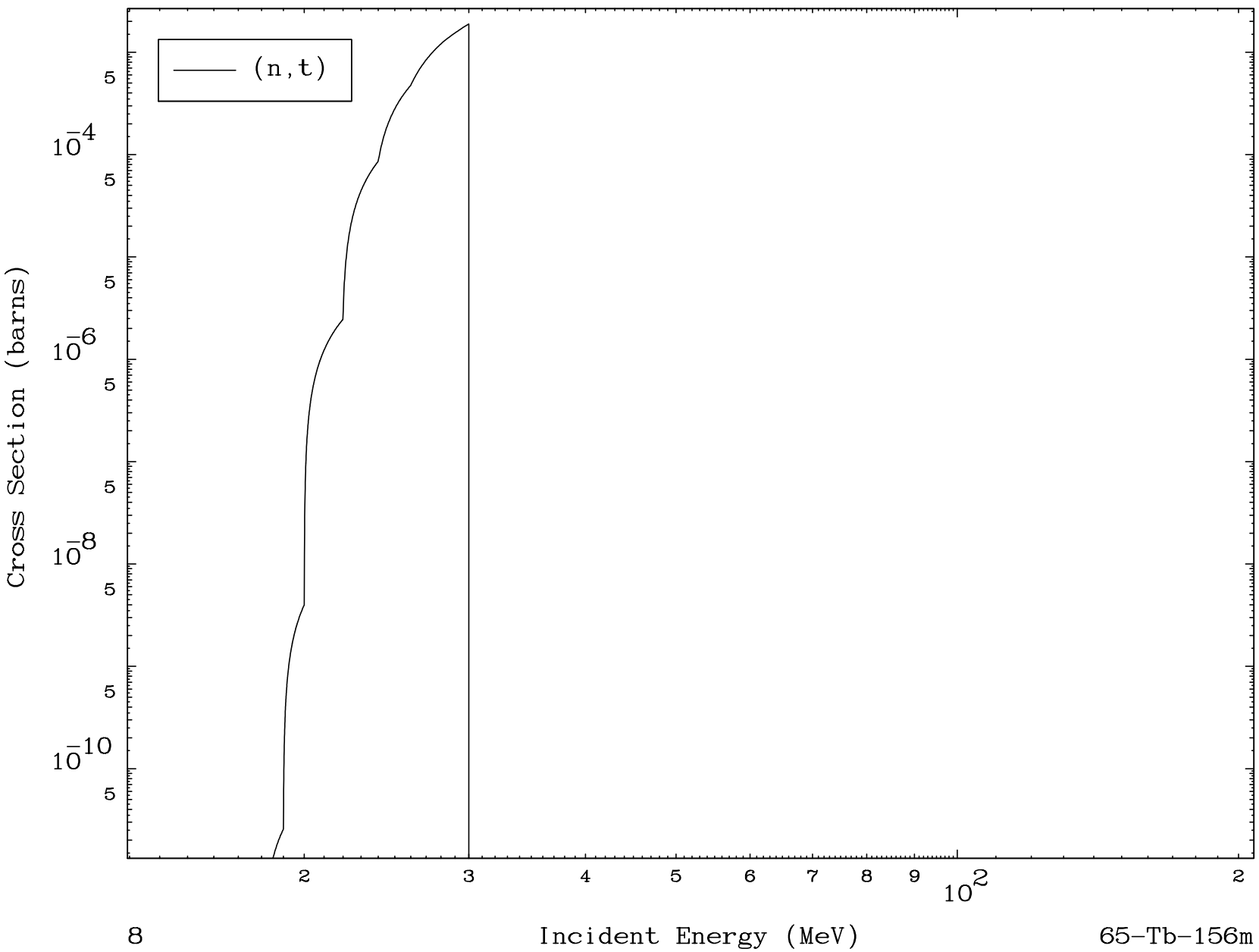

MAT 6517
α Neutron Absorption
0 Kelvin Cross Sections
65-Tb-156m
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
65-Tb-156m

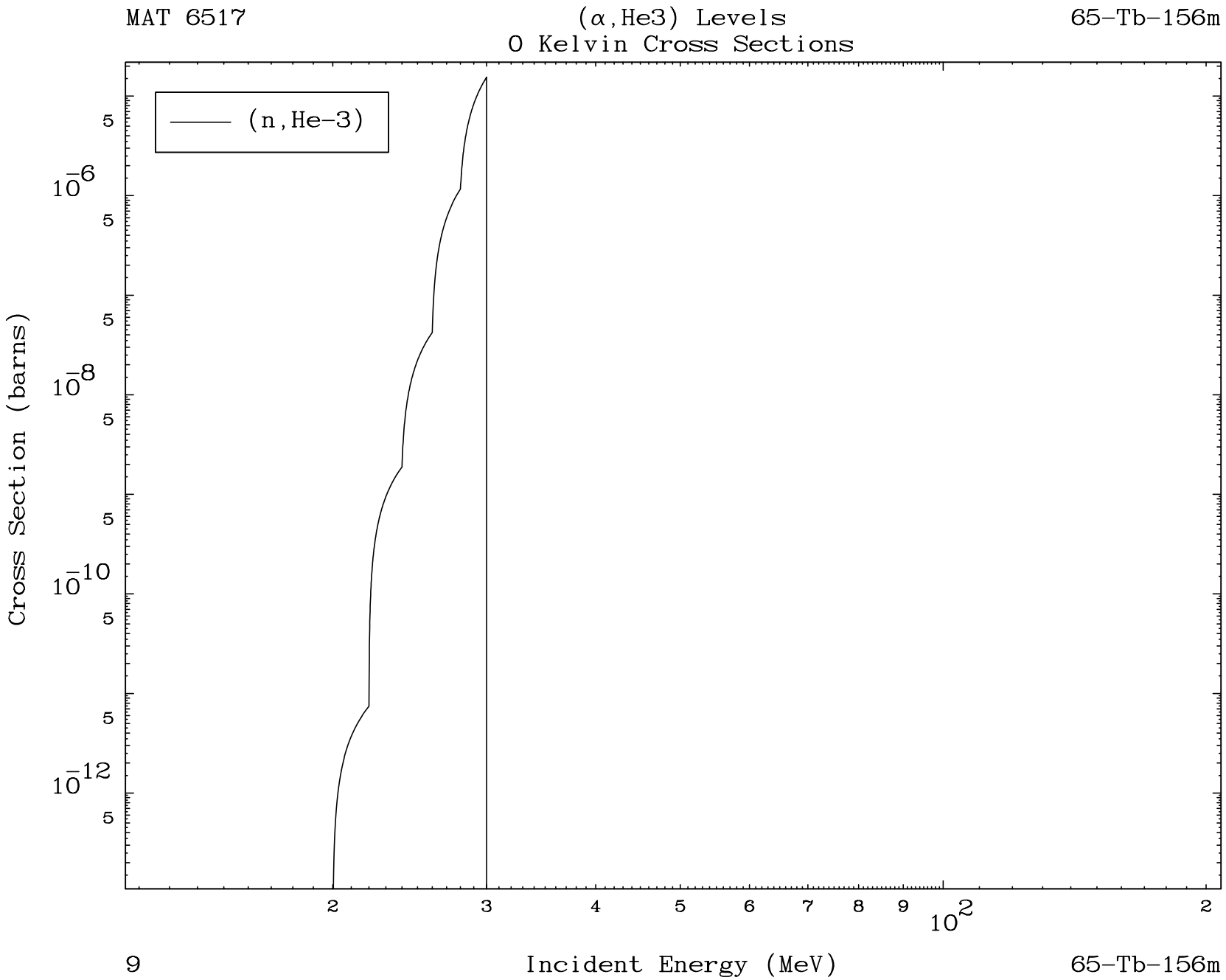

MAT 6517
α Charged Particle
0 Kelvin Cross Sections
65-Tb-156m
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-156m
4

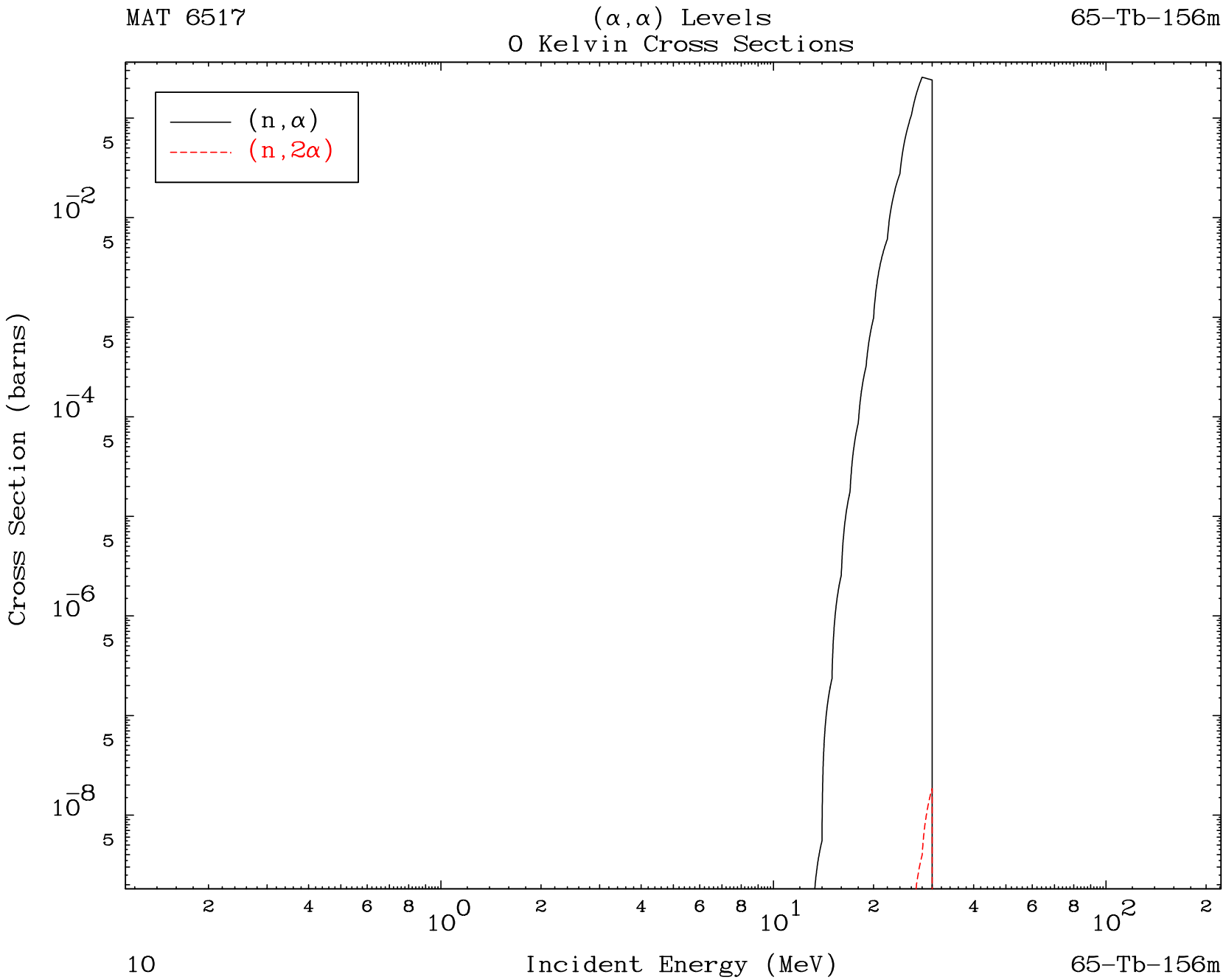

MAT 6517
α Charged Particle
0 Kelvin Cross Sections
65-Tb-156m
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
65-Tb-156m
5

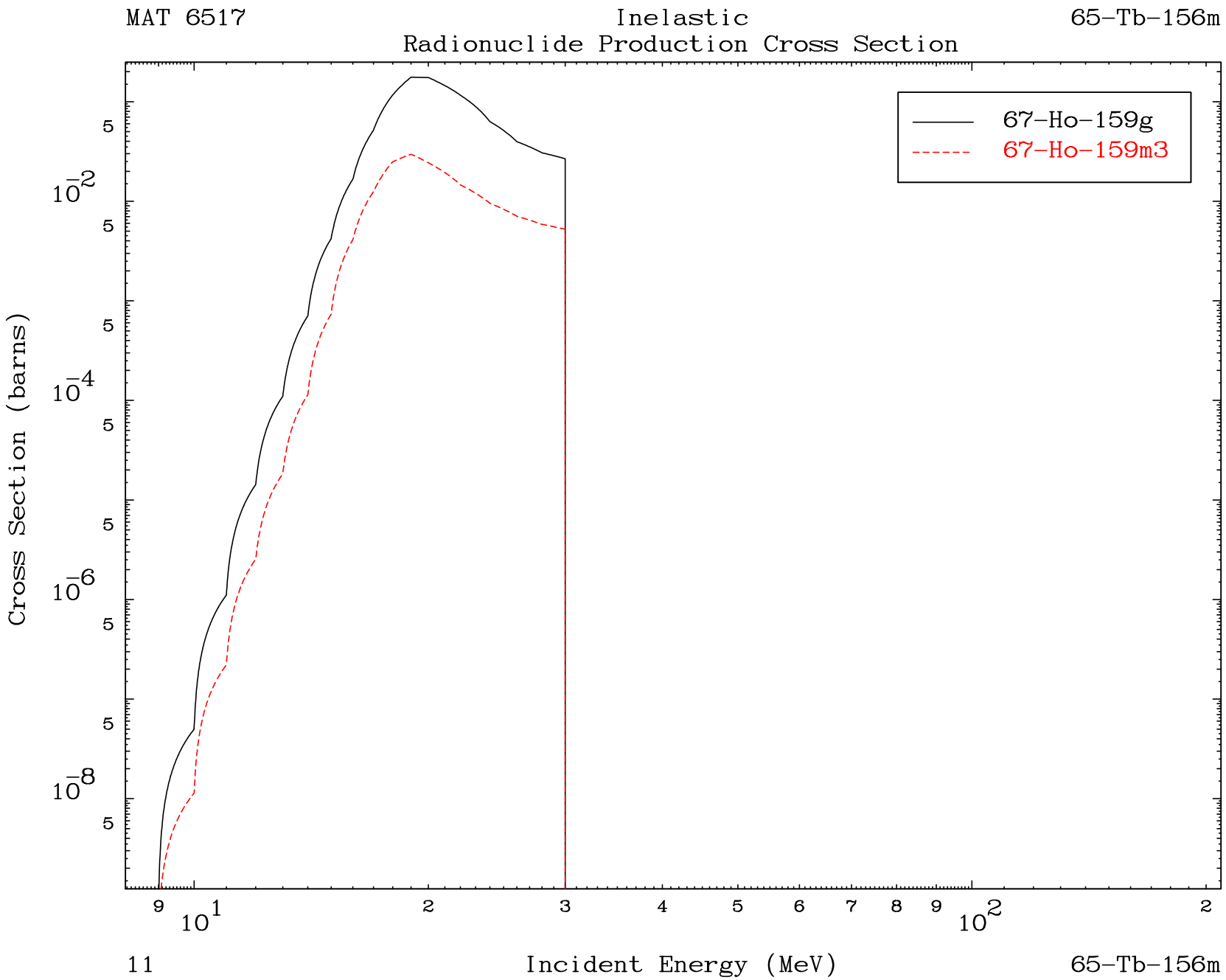

MAT 6517
(α,p) Levels
65-Tb-156m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
65-Tb-156m

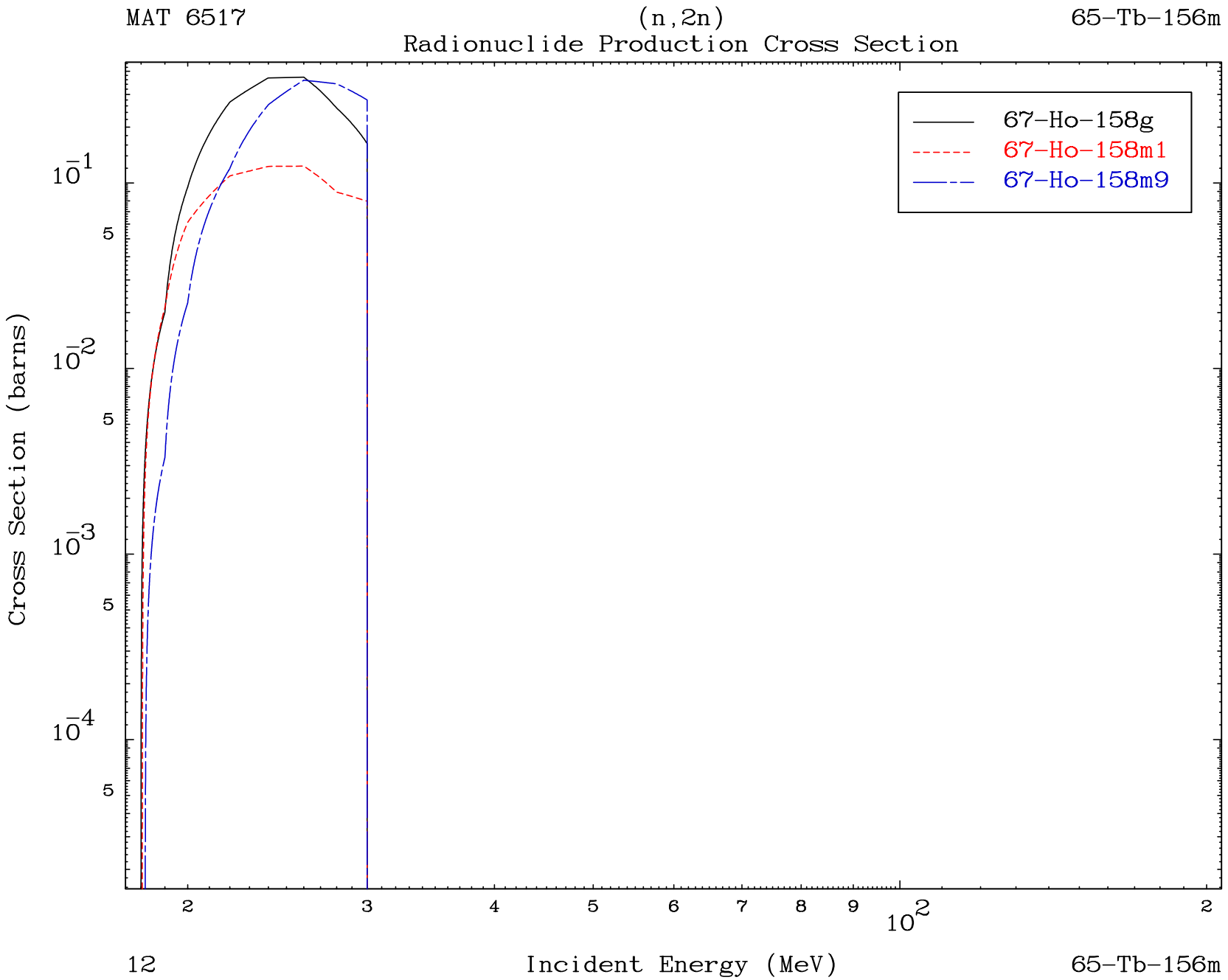

MAT 6517
(α,d) Levels
65-Tb-156m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
65-Tb-156m

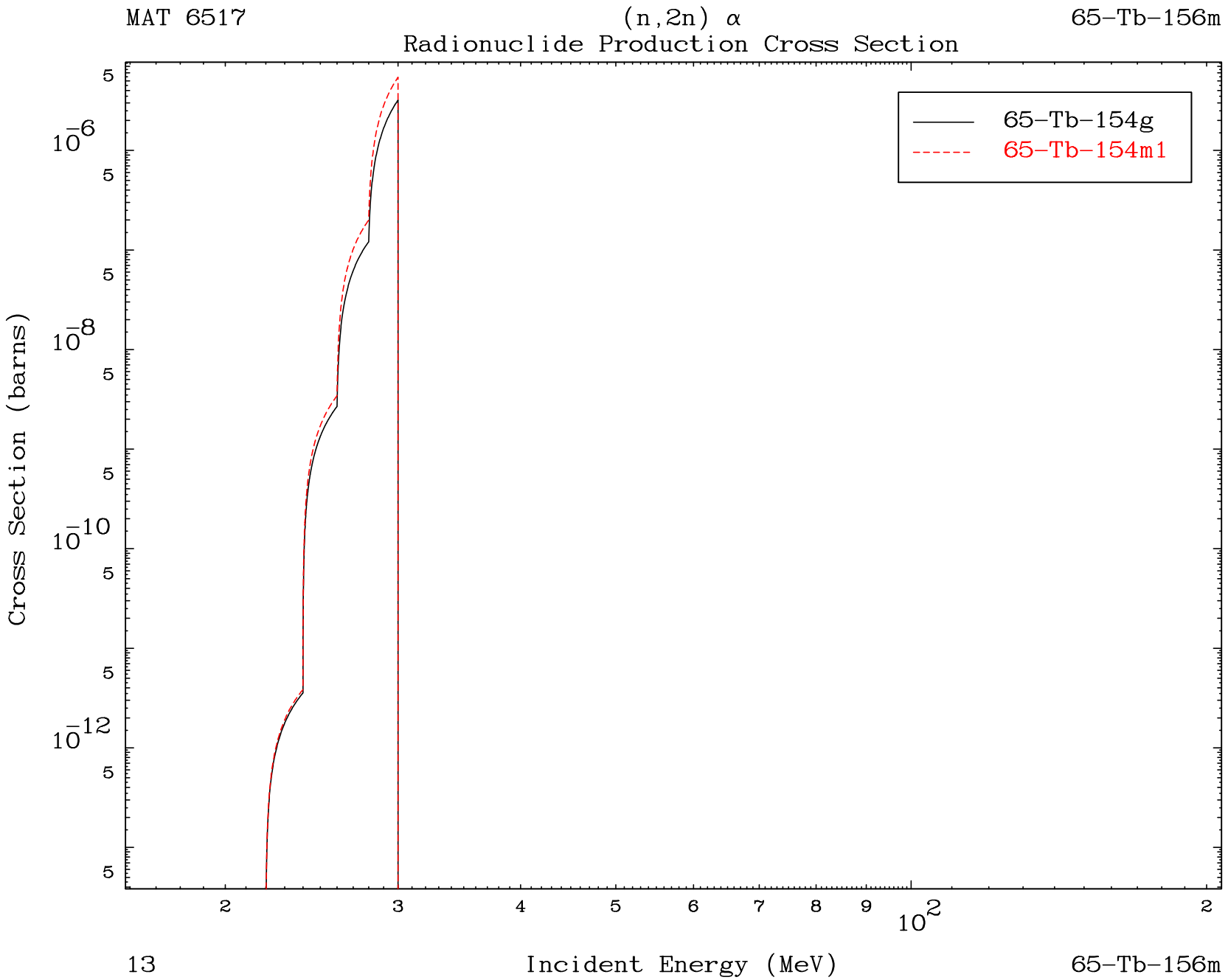

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

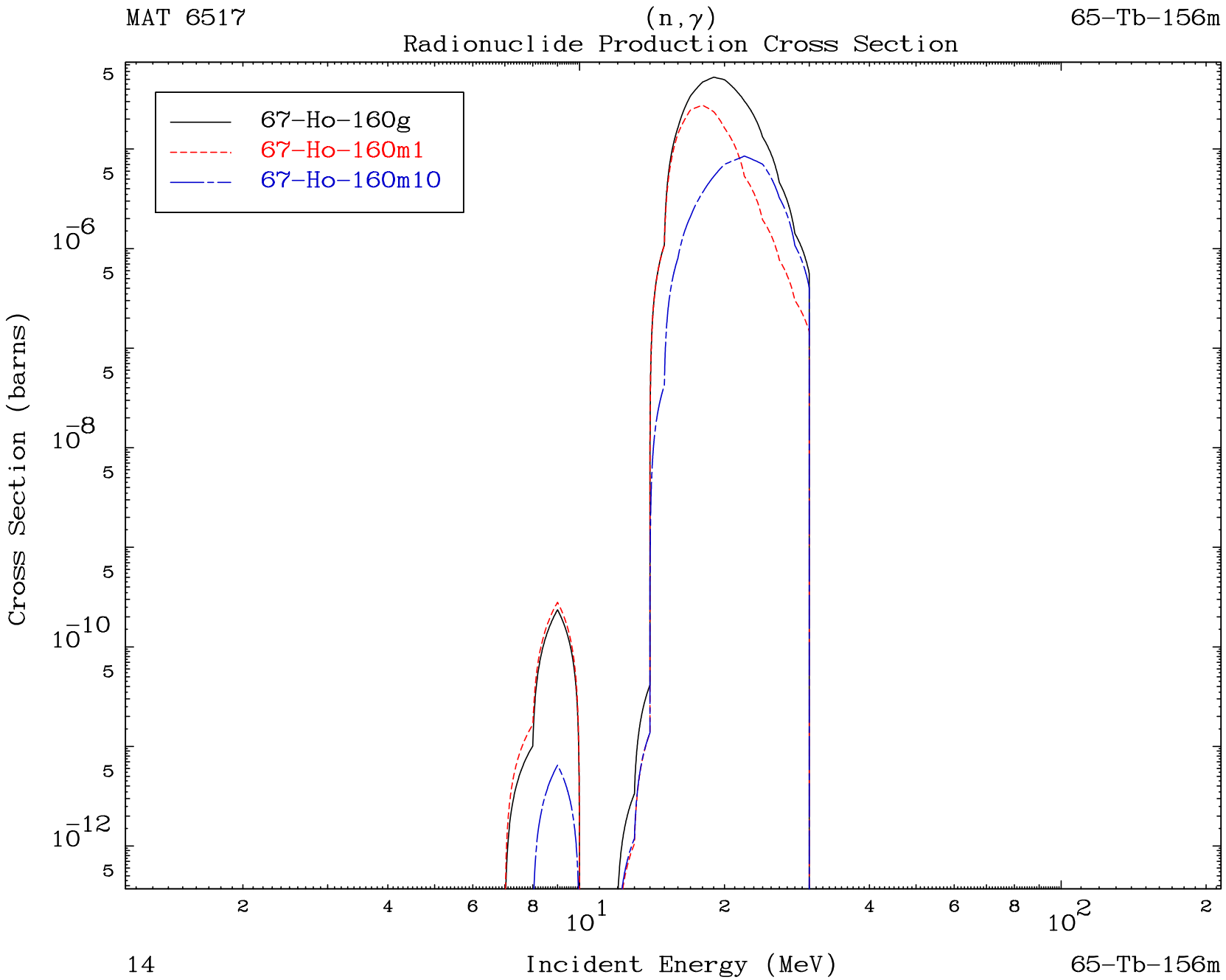

MAT 6517
(α,He3) Levels
65-Tb-156m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
65-Tb-156m

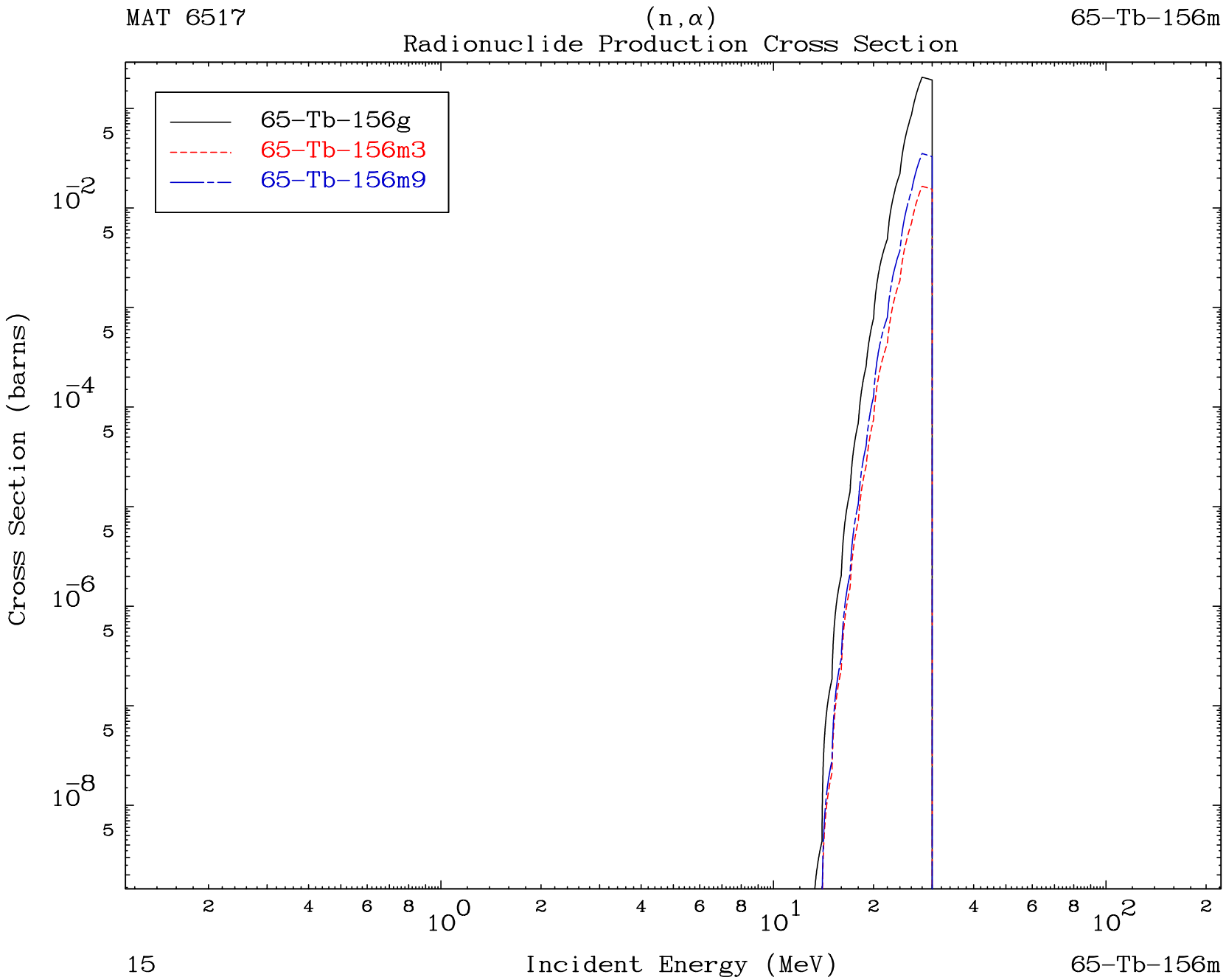

MAT 6517
(α,α) Levels
65-Tb-156m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
65-Tb-156m

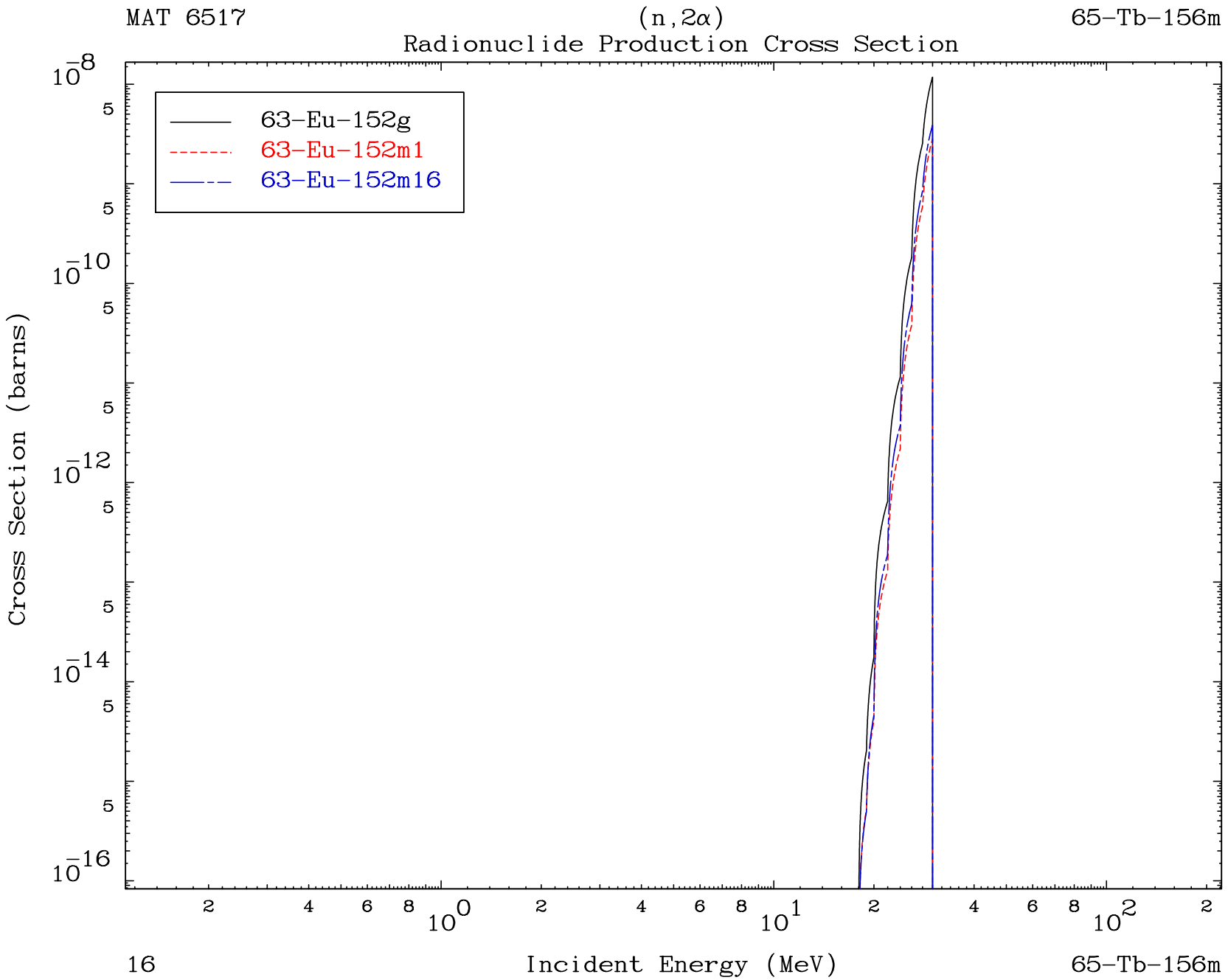

MAT 6517
Inelastic
65-Tb-156m
Radionuclide Production Cross Section
67-Ho-159g
67-Ho-159m3
Cross Section (barns)
Incident Energy (MeV)
11
65-Tb-156m

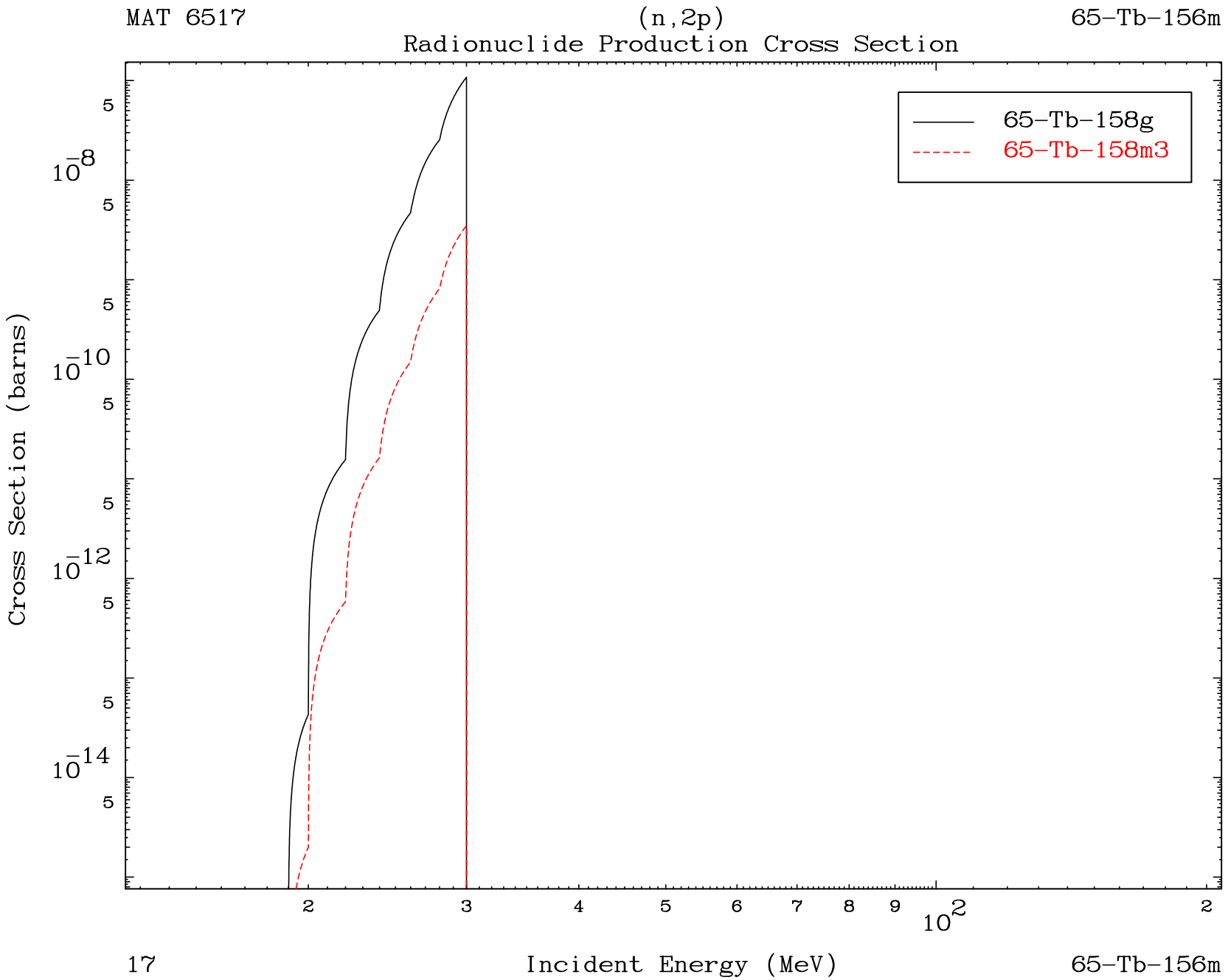

MAT 6517
(n,2n)
65-Tb-156m
Radionuclide Production Cross Section
67-Ho-158g
67-Ho-158m1
67-Ho-158m9
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
65-Tb-156m


MAT 6517
(n,2n) α
65-Tb-156m
Radionuclide Production Cross Section
65-Tb-154g
65-Tb-154m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
13
65-Tb-156m


MAT 6517
(n,γ)
65-Tb-156m
Radionuclide Production Cross Section
67-Ho-160g
67-Ho-160m1
67-Ho-160m10
Cross Section (barns)
Incident Energy (MeV)
14
65-Tb-156m


MAT 6517
(n,α)
65-Tb-156m
Radionuclide Production Cross Section
65-Tb-156g
65-Tb-156m3
65-Tb-156m9
Cross Section (barns)
Incident Energy (MeV)
15
65-Tb-156m


MAT 6517
(n,2α)
65-Tb-156m
Radionuclide Production Cross Section
63-Eu-152g
63-Eu-152m1
63-Eu-152m16
Cross Section (barns)
Incident Energy (MeV)
16
65-Tb-156m


MAT 6517
(n,2p)
65-Tb-156m
Radionuclide Production Cross Section
65-Tb-158g
65-Tb-158m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
65-Tb-156m