Program EVALPLOT
(Version 2018-1)
by
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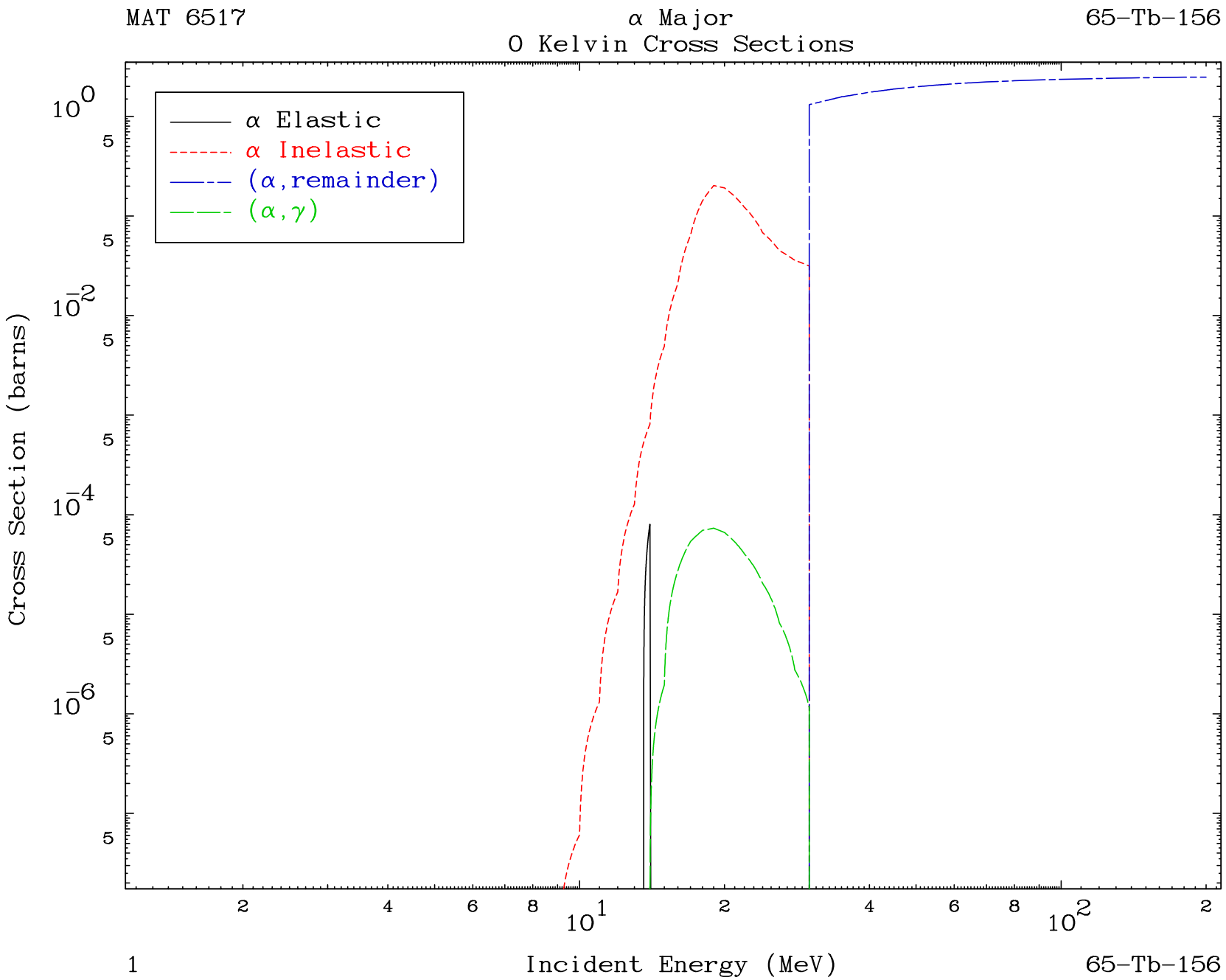
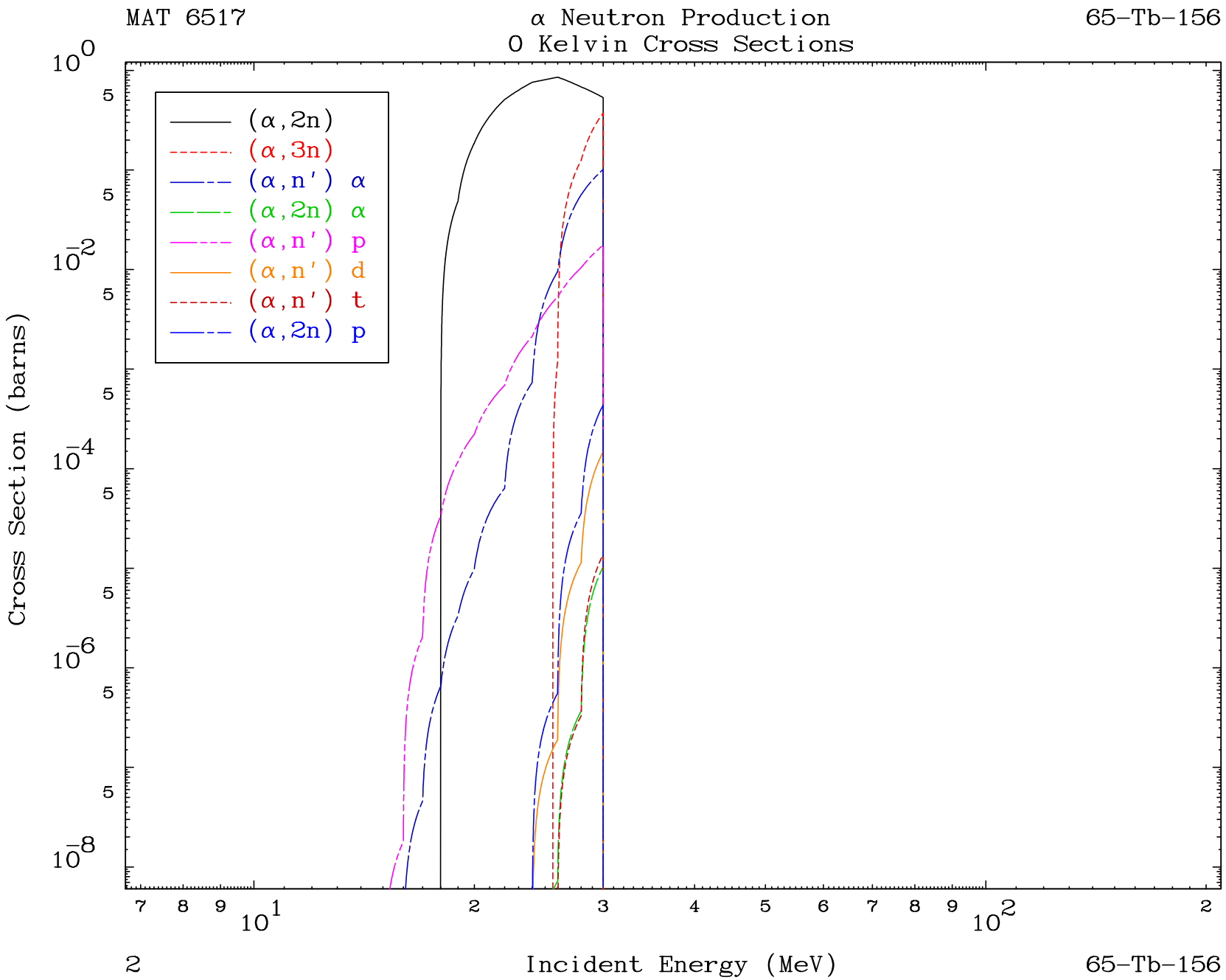
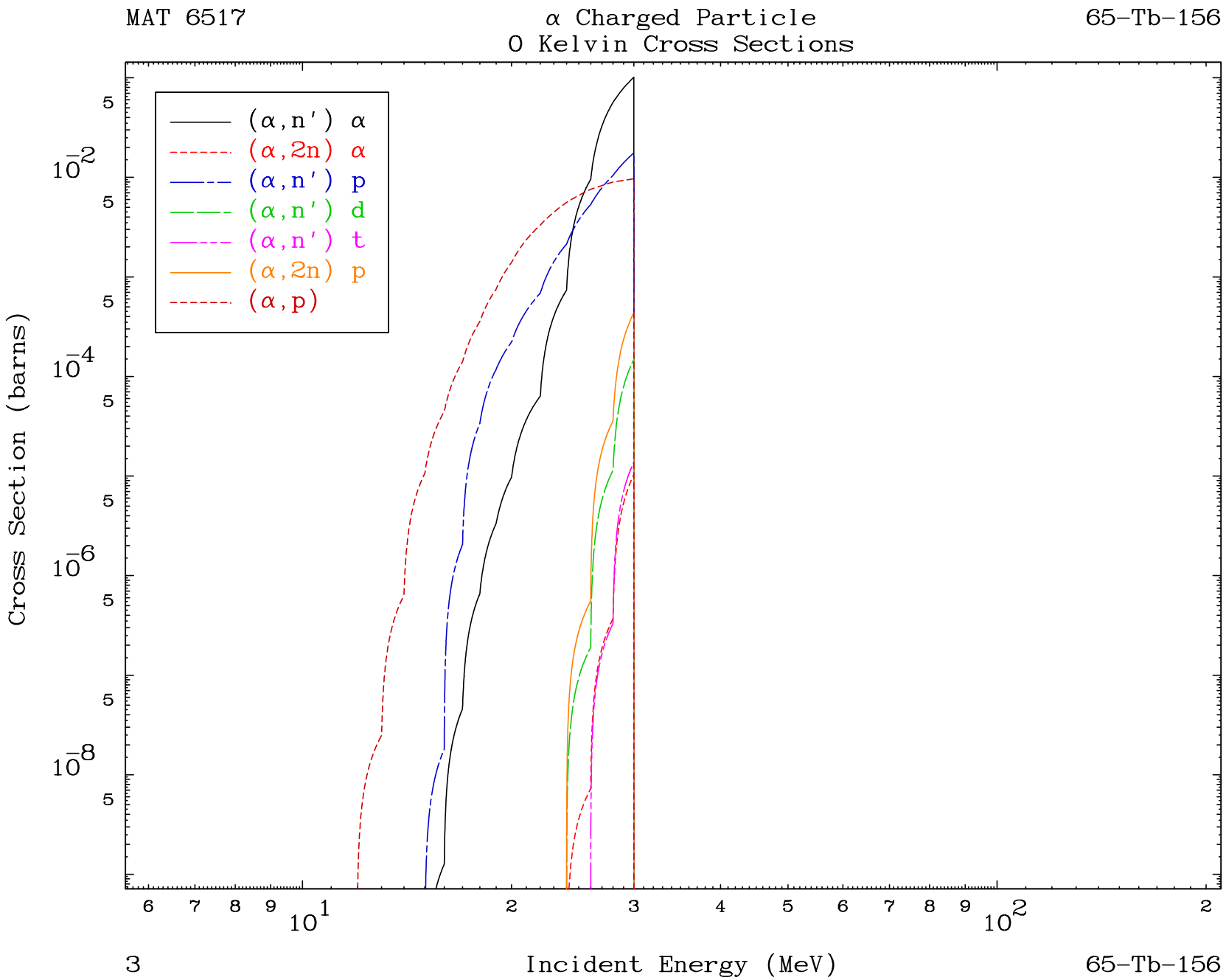
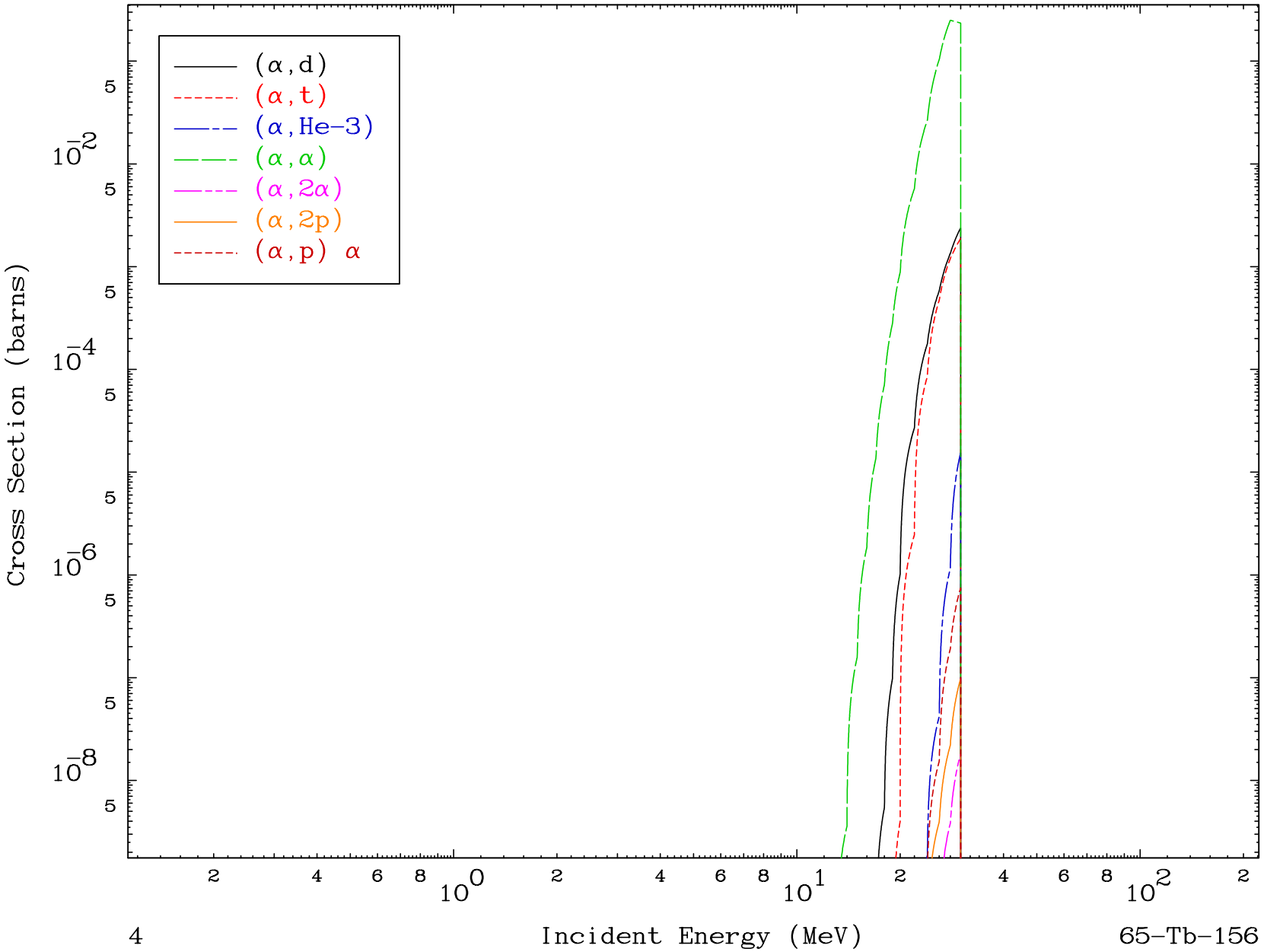
Press Mouse Button to Start

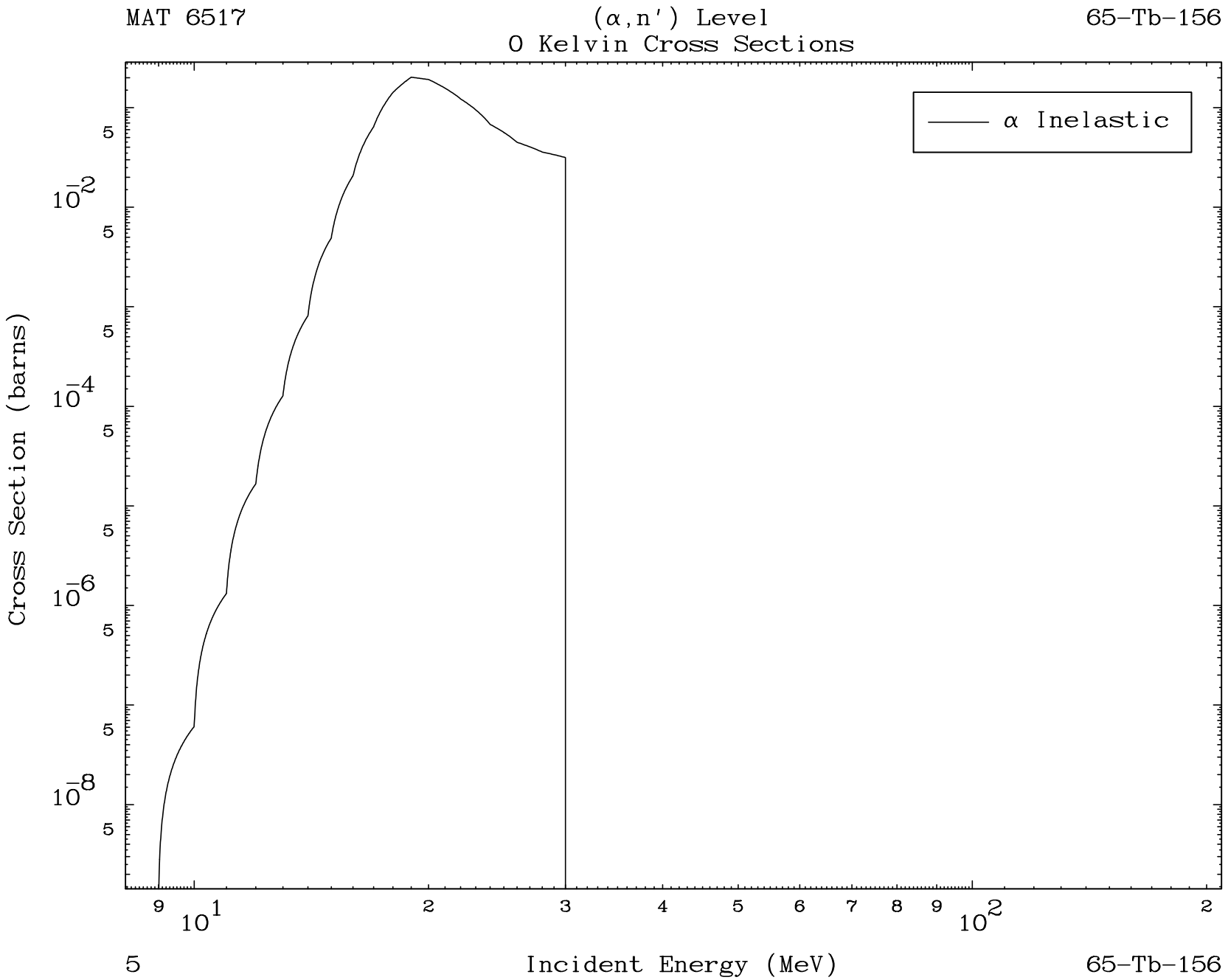

MAT 6517
α Major
65-Tb-156
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-156

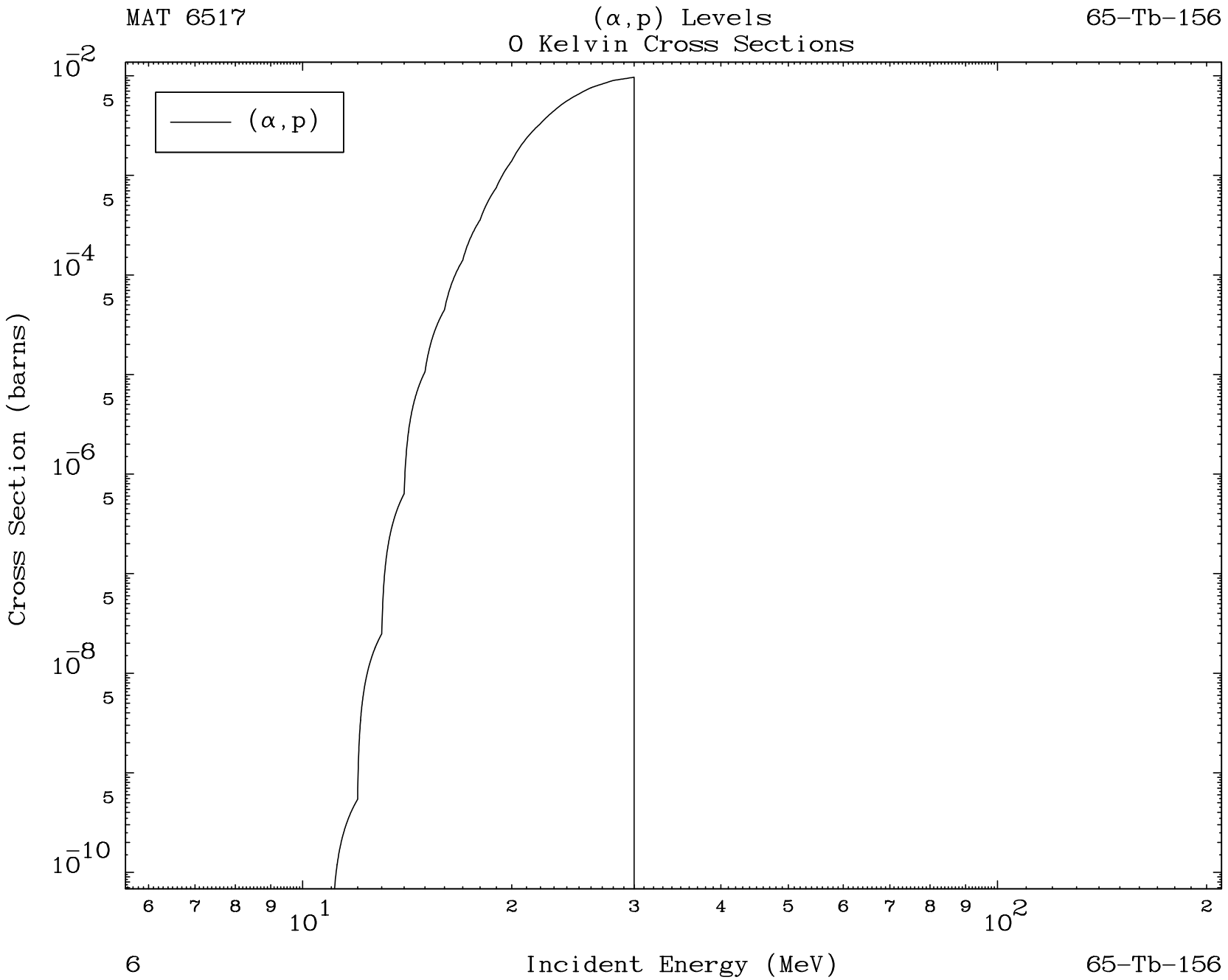

MAT 6517
α Neutron Production
0 Kelvin Cross Sections
65-Tb-156
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
65-Tb-156

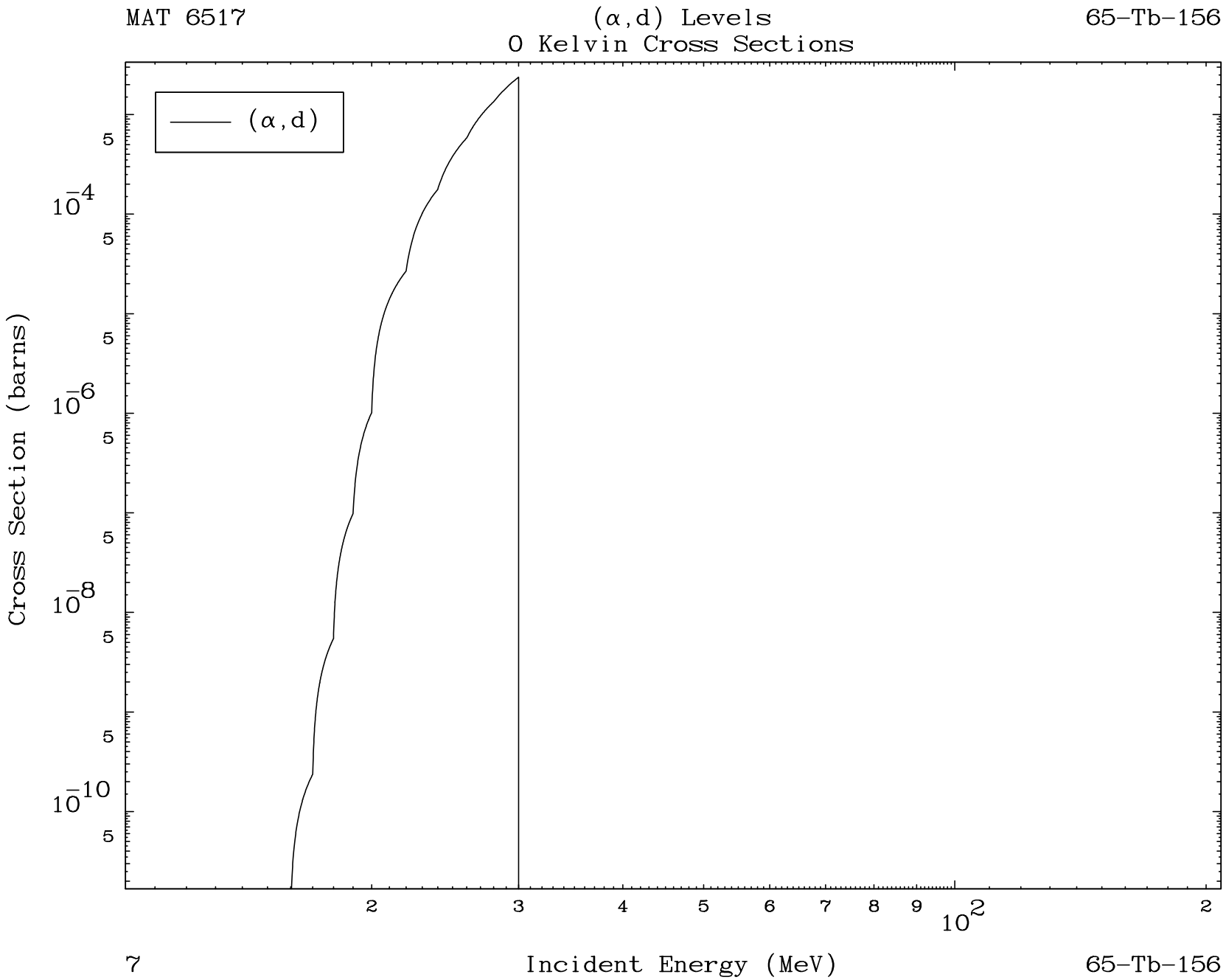

MAT 6517
α Charged Particle
0 Kelvin Cross Sections
65-Tb-156
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
65-Tb-156

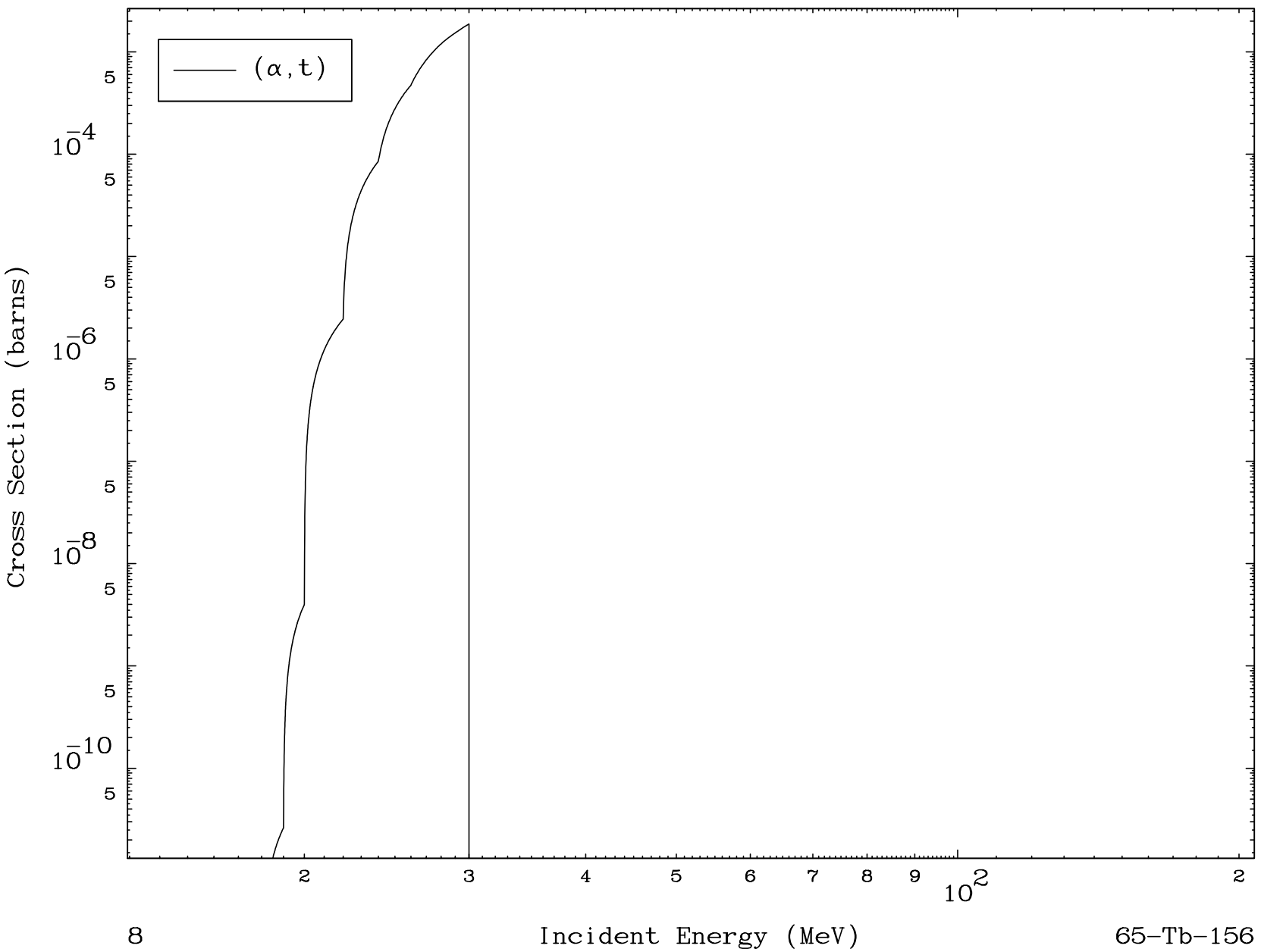
α Charged Particle
0 Kelvin Cross Sections

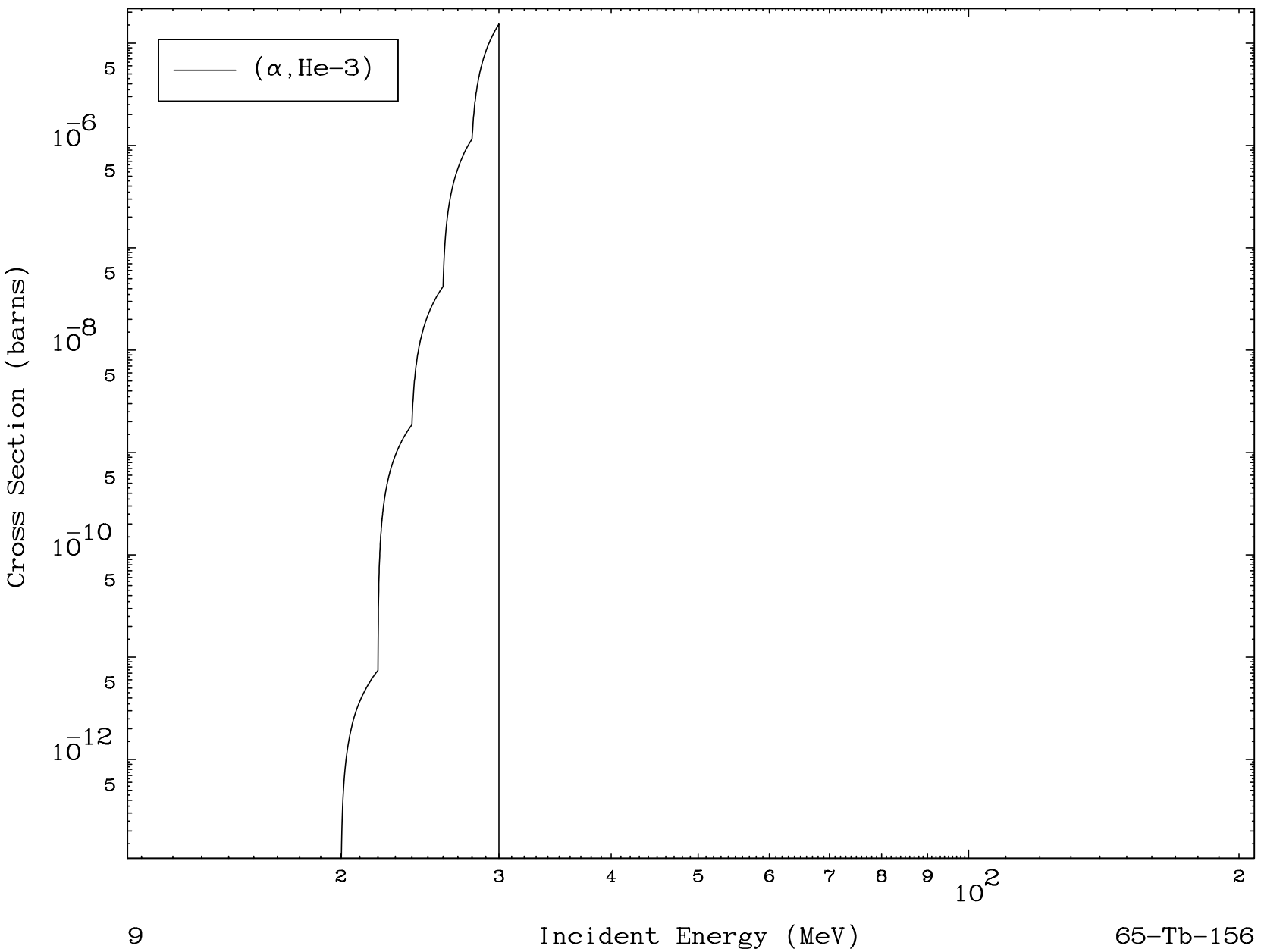


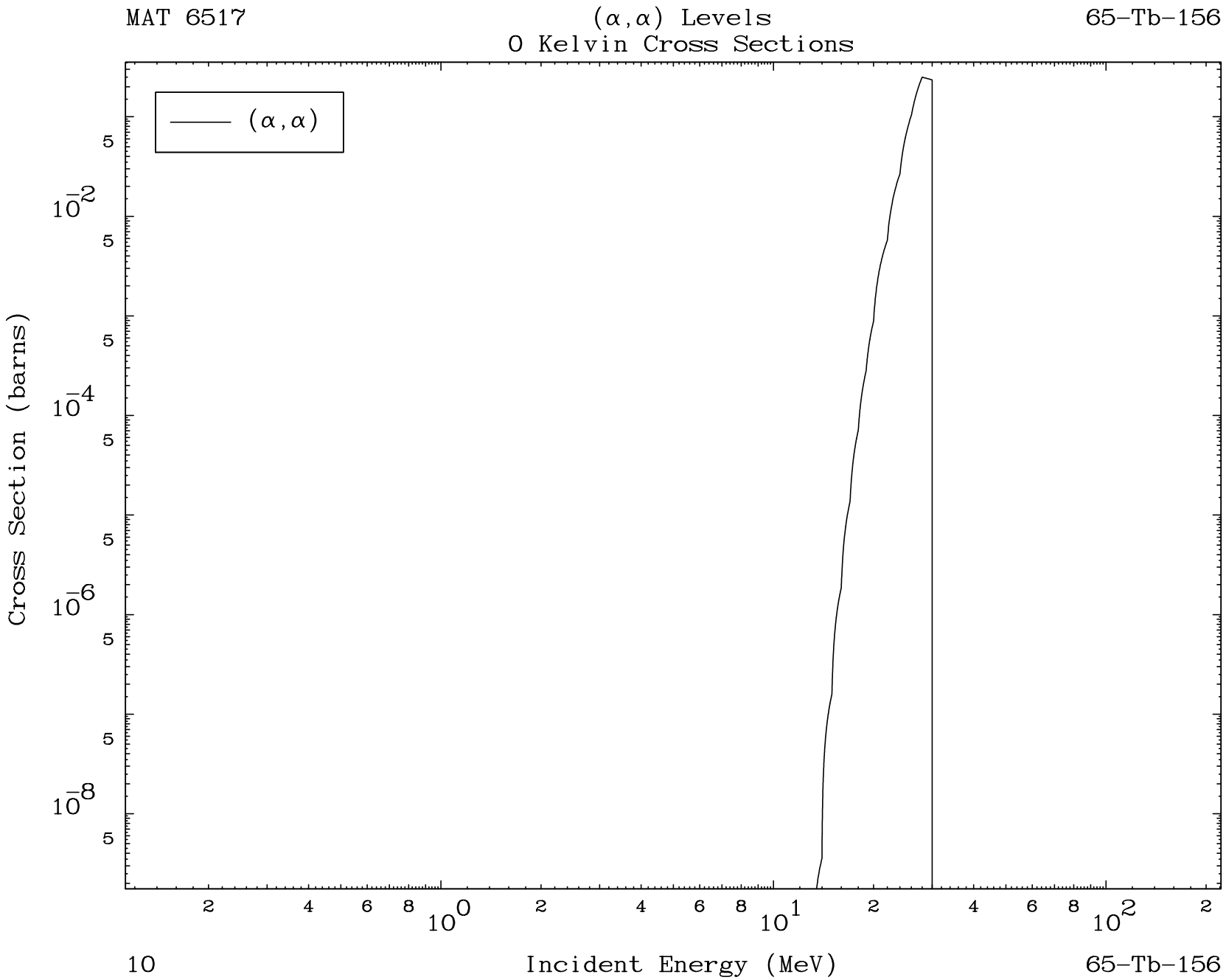

MAT 6517
(α,n') Level
65-Tb-156
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
65-Tb-156

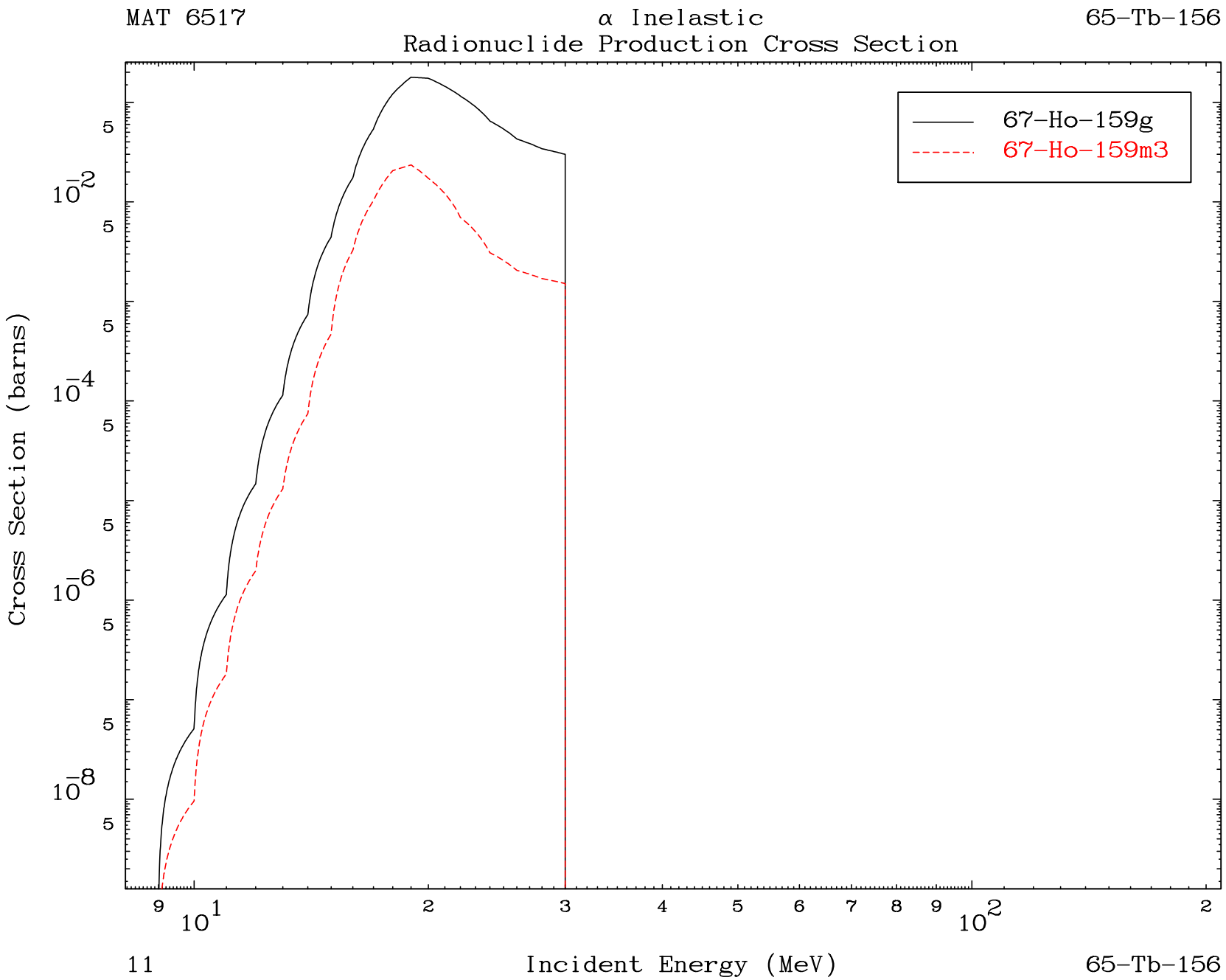

MAT 6517
(α,p) Levels
65-Tb-156
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
65-Tb-156

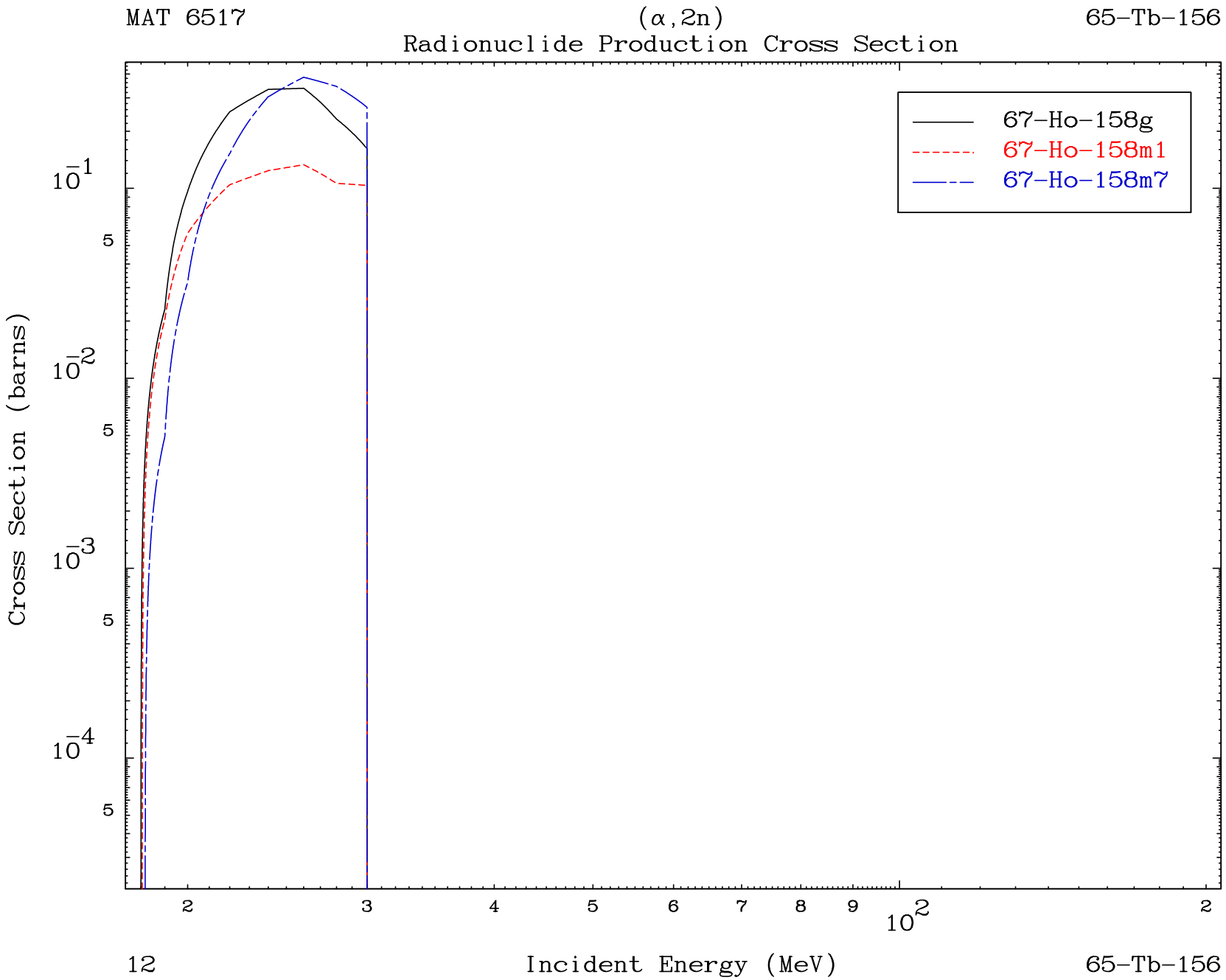

MAT 6517
(α,d) Levels
65-Tb-156
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
65-Tb-156

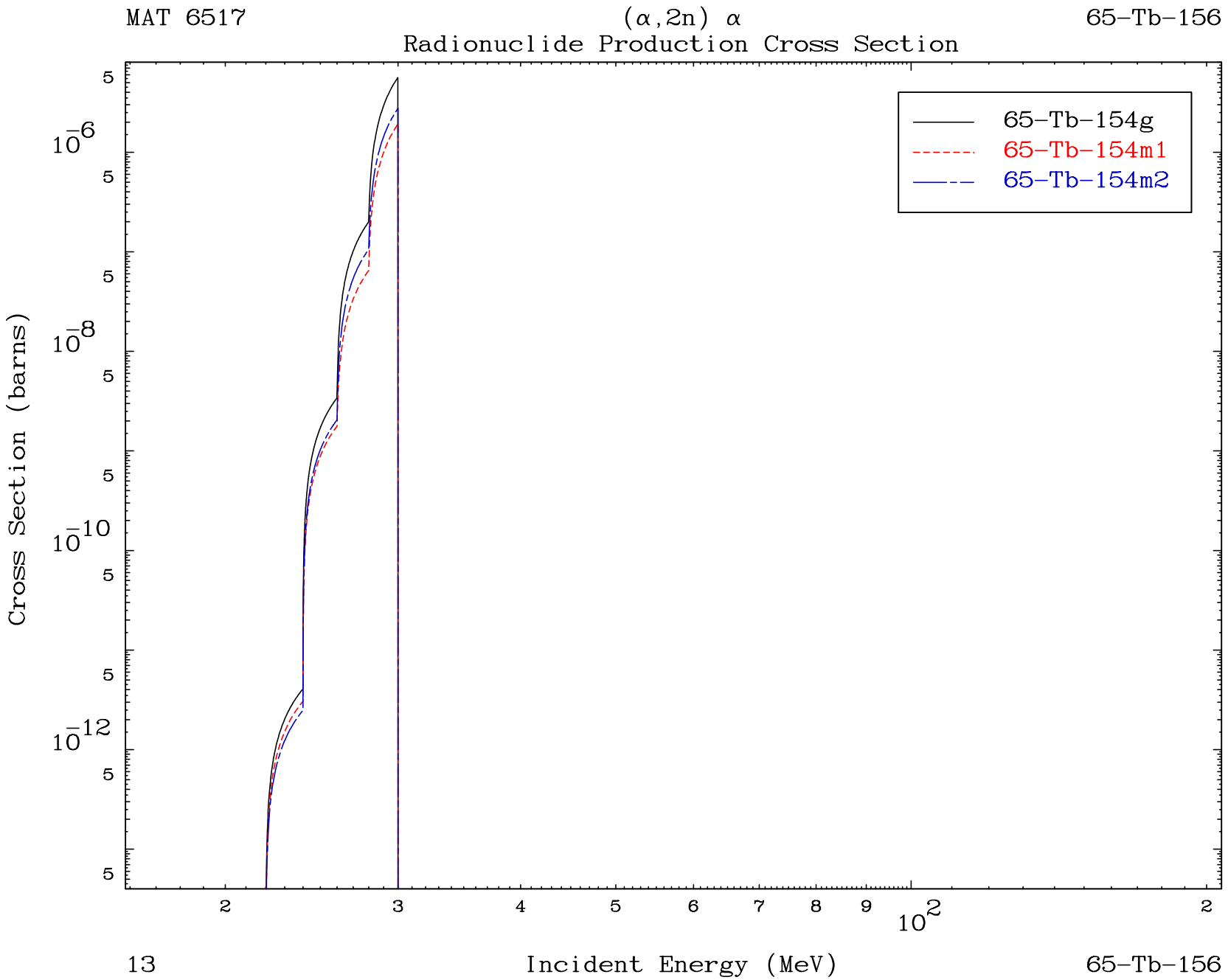

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

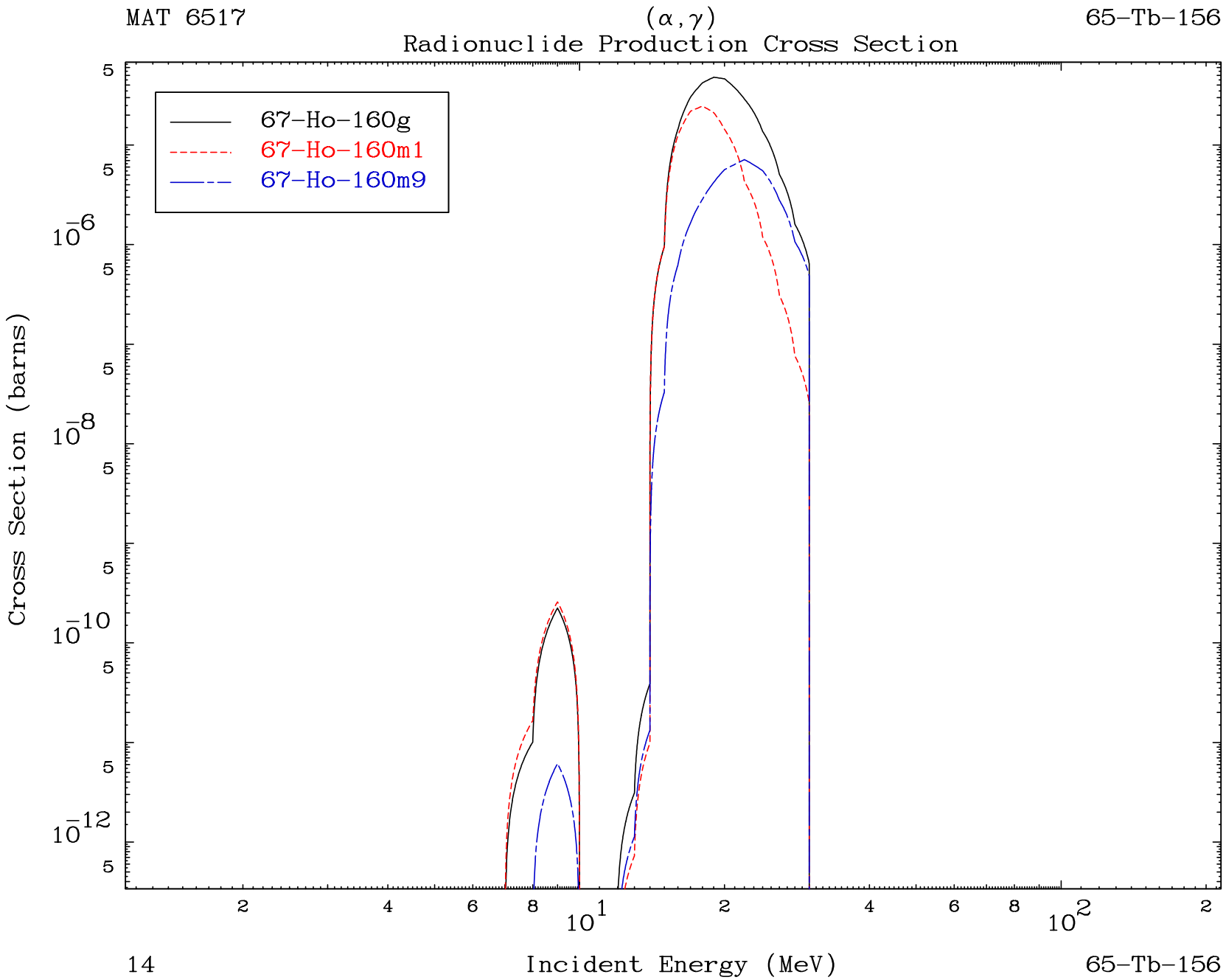

0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

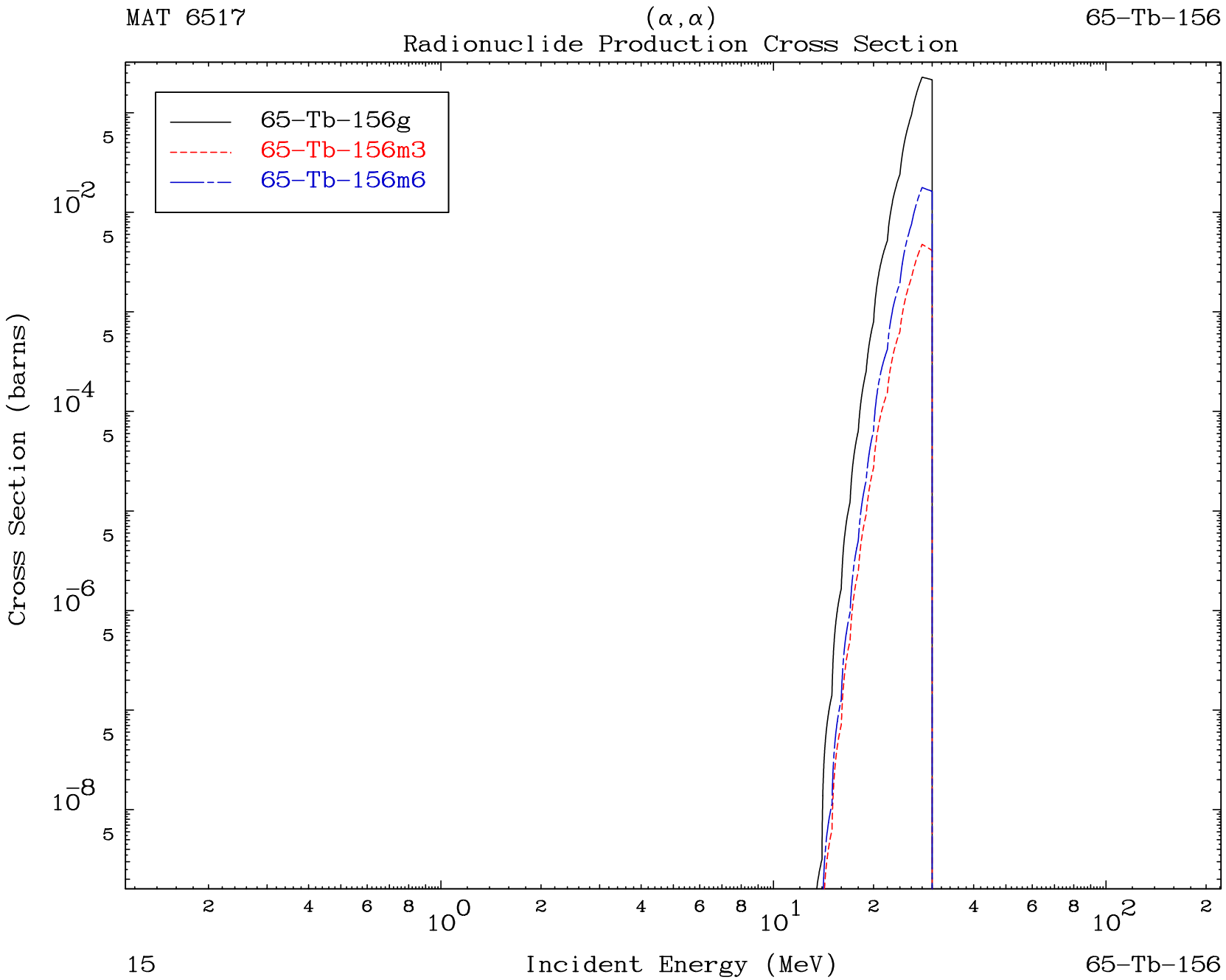

MAT 6517
(α,α) Levels
65-Tb-156
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
65-Tb-156

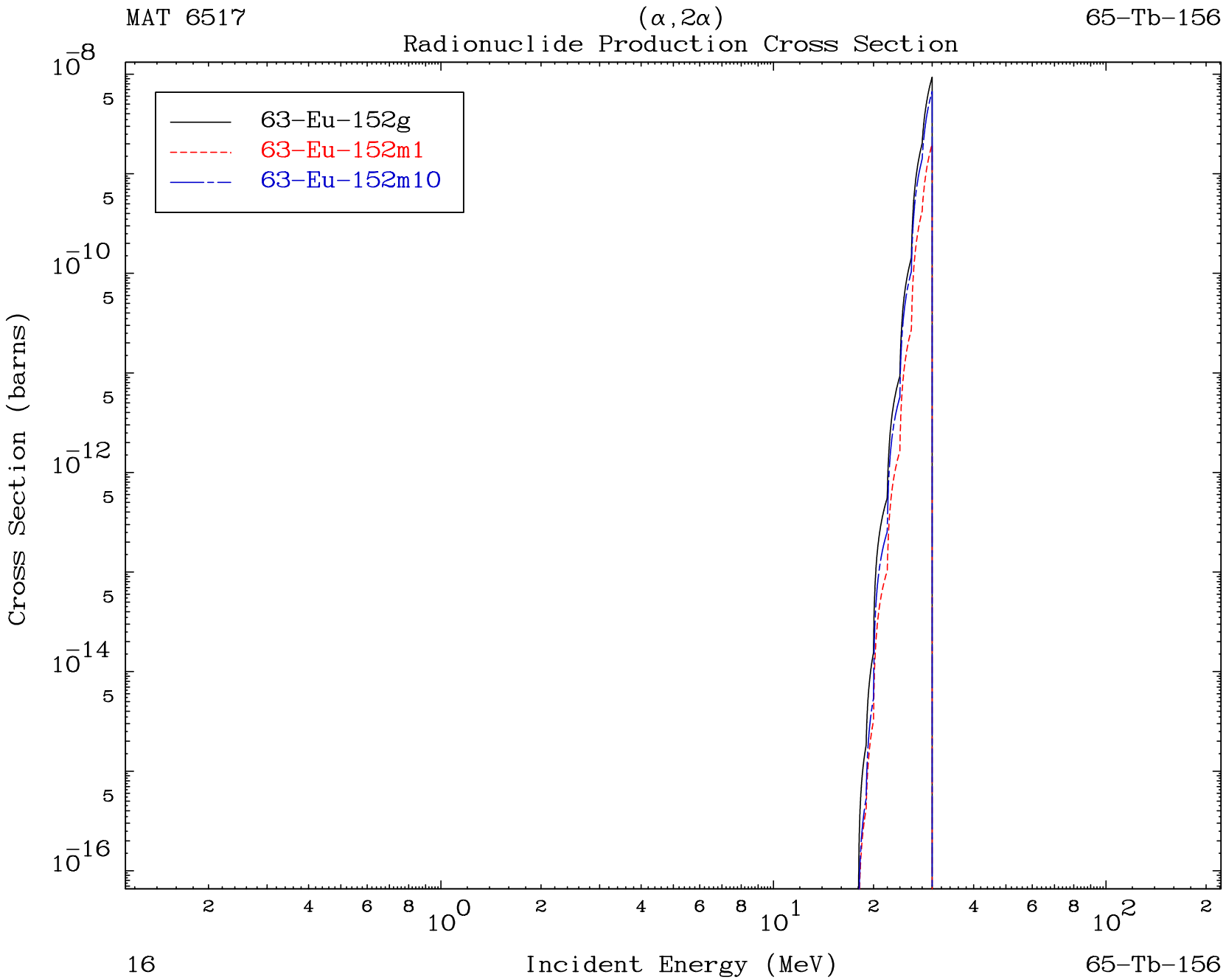

MAT 6517
α Inelastic
65-Tb-156
Radionuclide Production Cross Section
67-Ho-159g
67-Ho-159m3
Cross Section (barns)
Incident Energy (MeV)
11
65-Tb-156

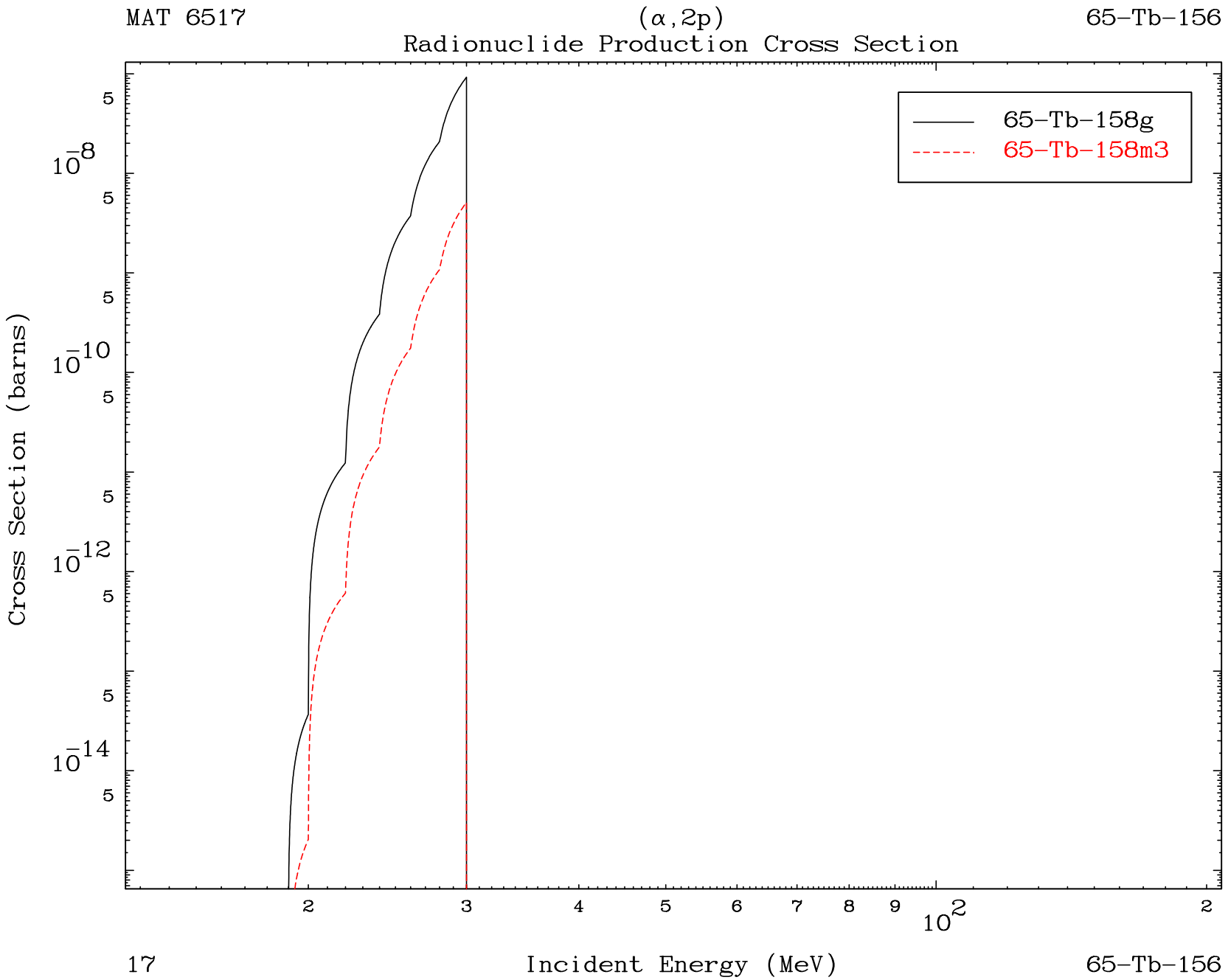

MAT 6517
(α,2n)
65-Tb-156
Radionuclide Production Cross Section
67-Ho-158g
67-Ho-158m1
67-Ho-158m7
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
65-Tb-156


MAT 6517
(α,2n) α
65-Tb-156
Radionuclide Production Cross Section
65-Tb-154g
65-Tb-154m1
65-Tb-154m2
Cross Section (barns)
10-6
10-8
10-10
10-12
Incident Energy (MeV)
13
65-Tb-156


MAT 6517
(α,γ)
65-Tb-156
Radionuclide Production Cross Section
67-Ho-160g
67-Ho-160m1
67-Ho-160m9
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
14
65-Tb-156


MAT 6517
(α,α)
65-Tb-156
Radionuclide Production Cross Section
65-Tb-156g
65-Tb-156m3
65-Tb-156m6
Cross Section (barns)
Incident Energy (MeV)
15
65-Tb-156


MAT 6517
(α,2α)
65-Tb-156
Radionuclide Production Cross Section
63-Eu-152g
63-Eu-152m1
63-Eu-152m10
Cross Section (barns)
Incident Energy (MeV)
16
65-Tb-156


MAT 6517
(α,2p)
65-Tb-156
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-156