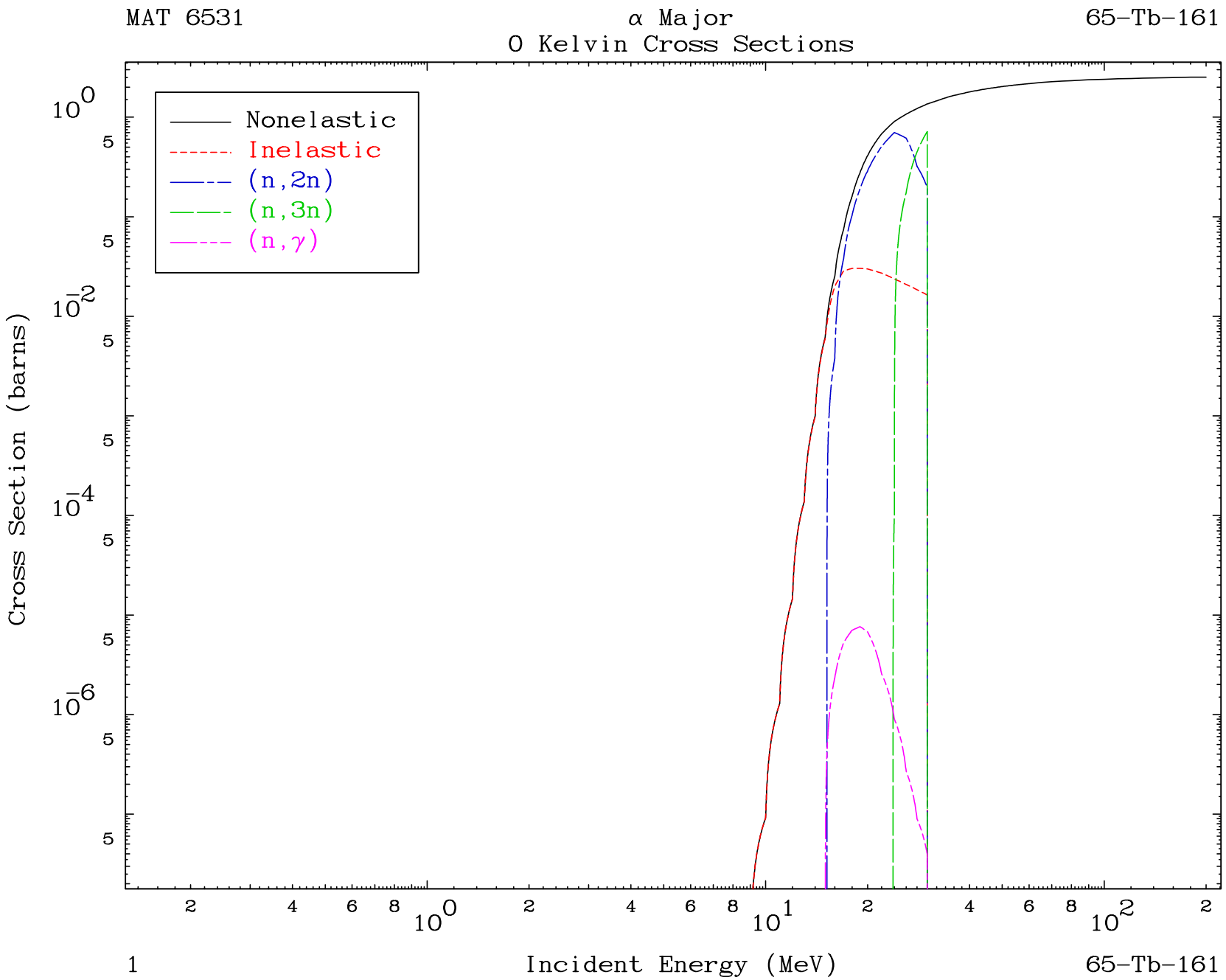
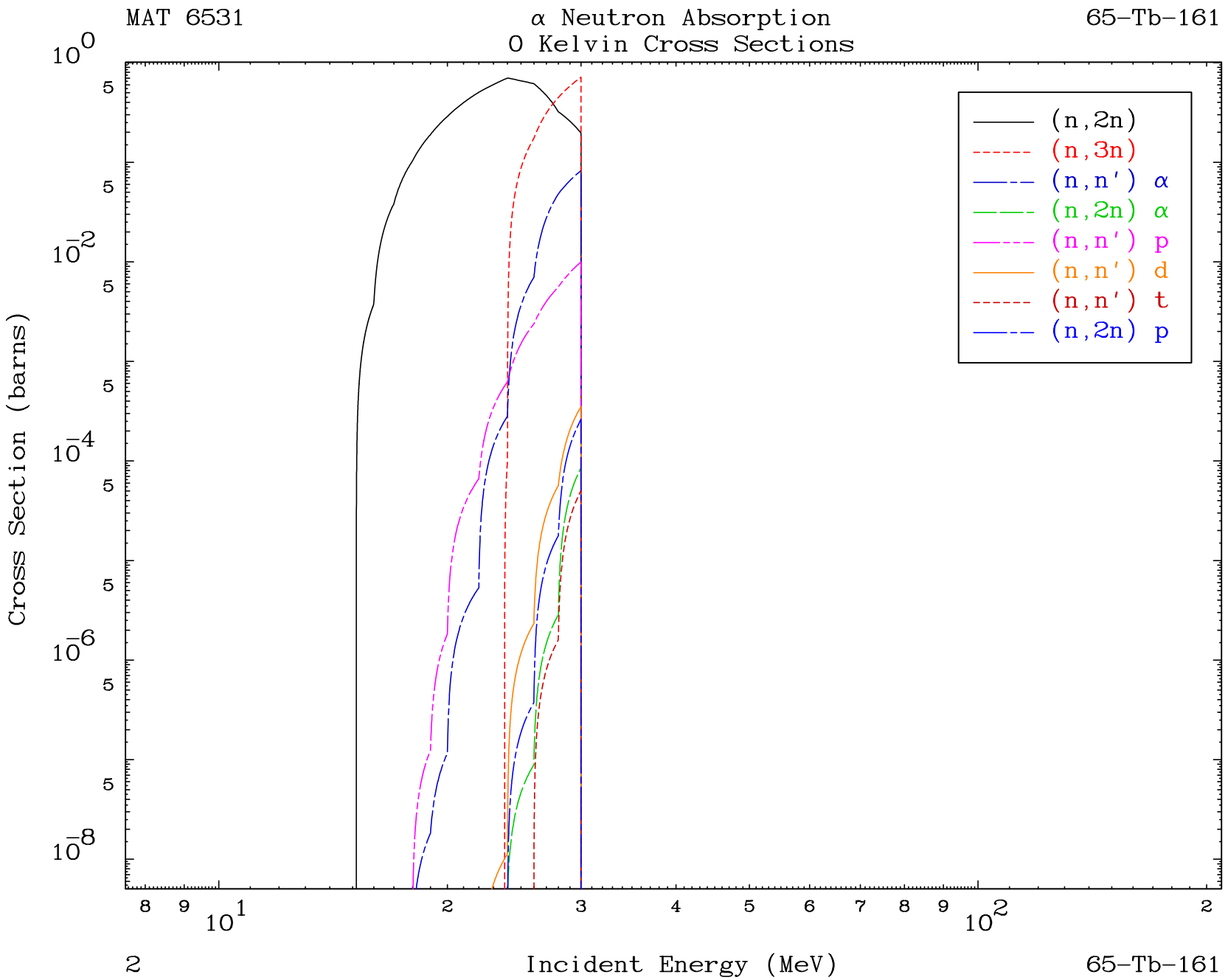
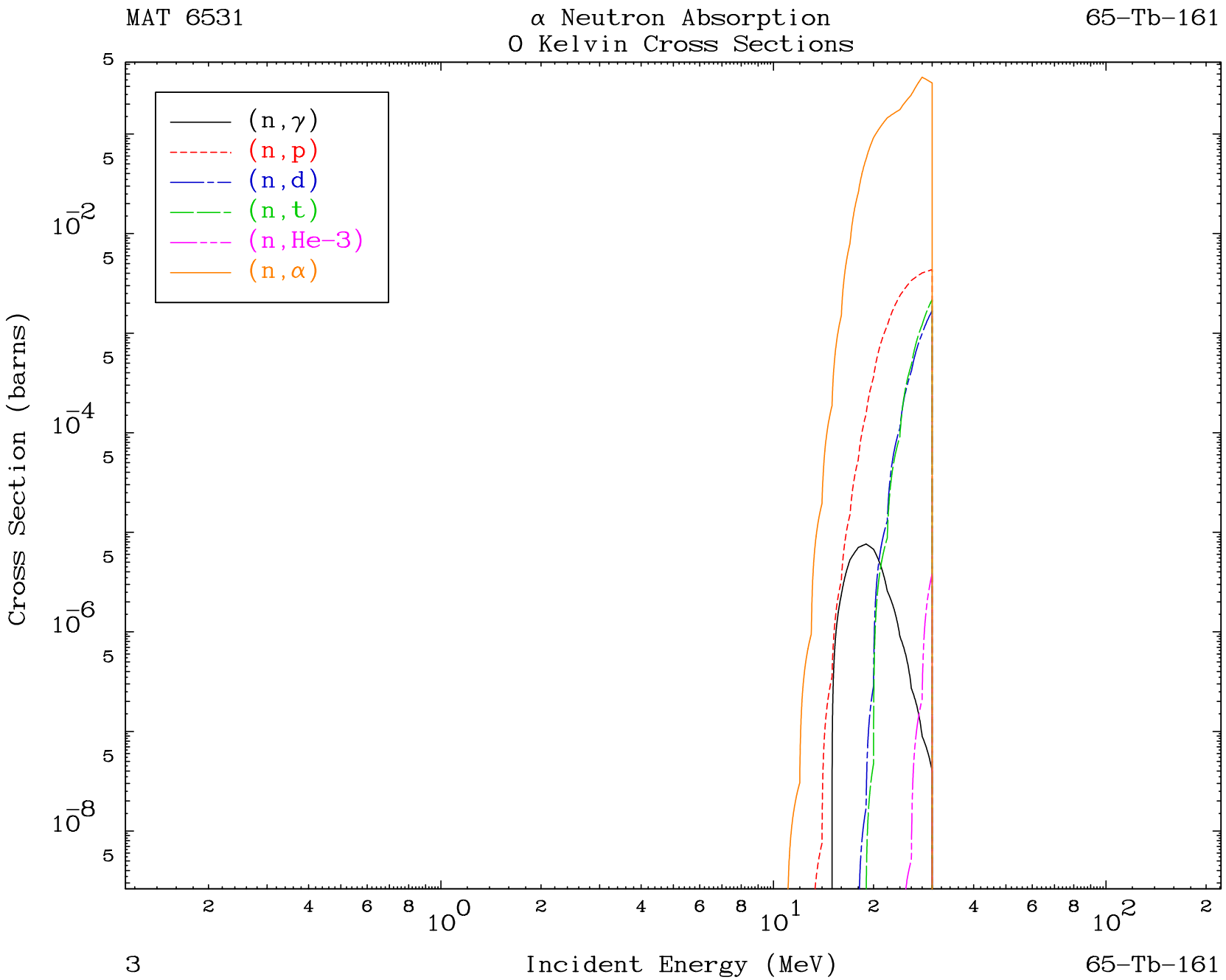
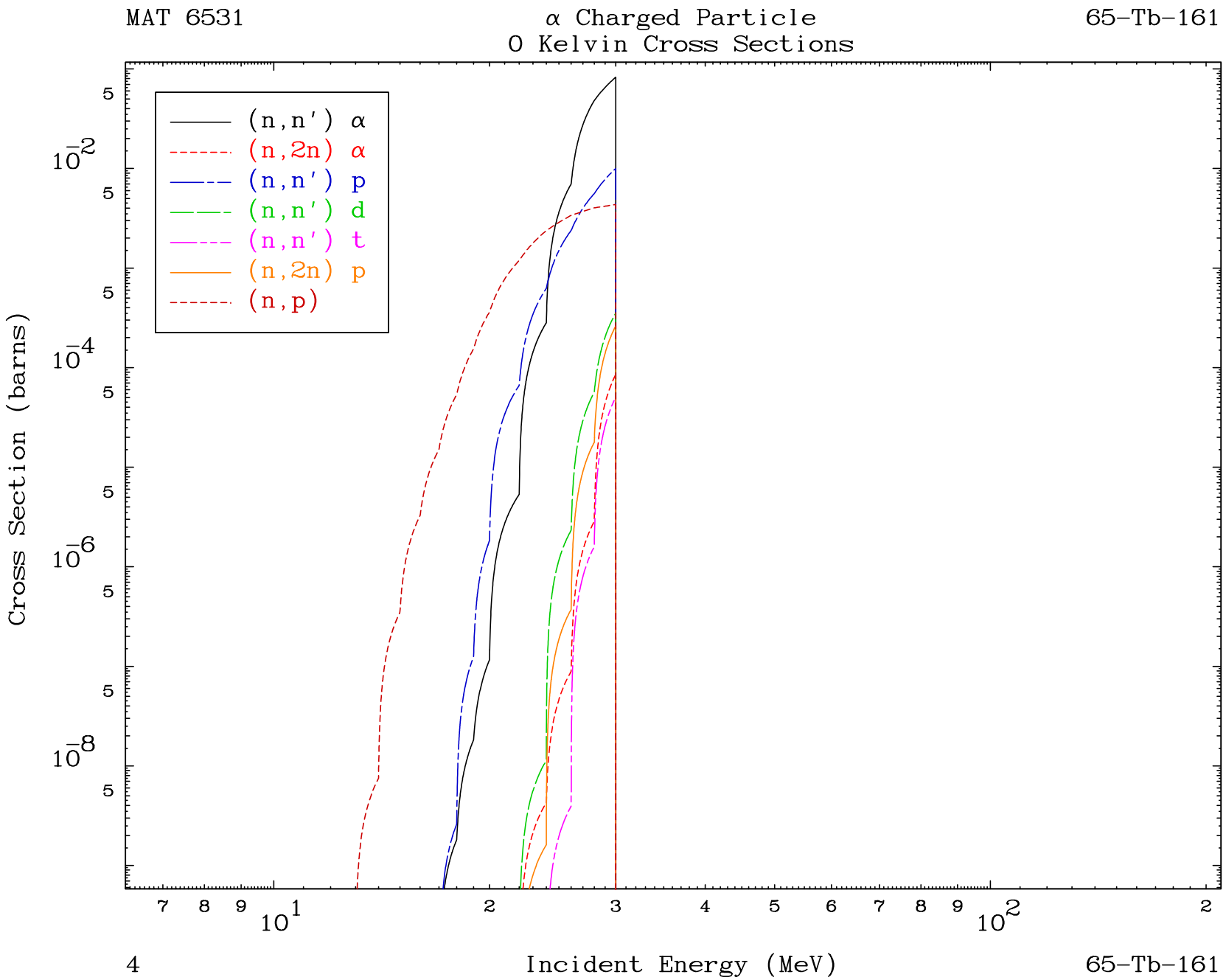
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

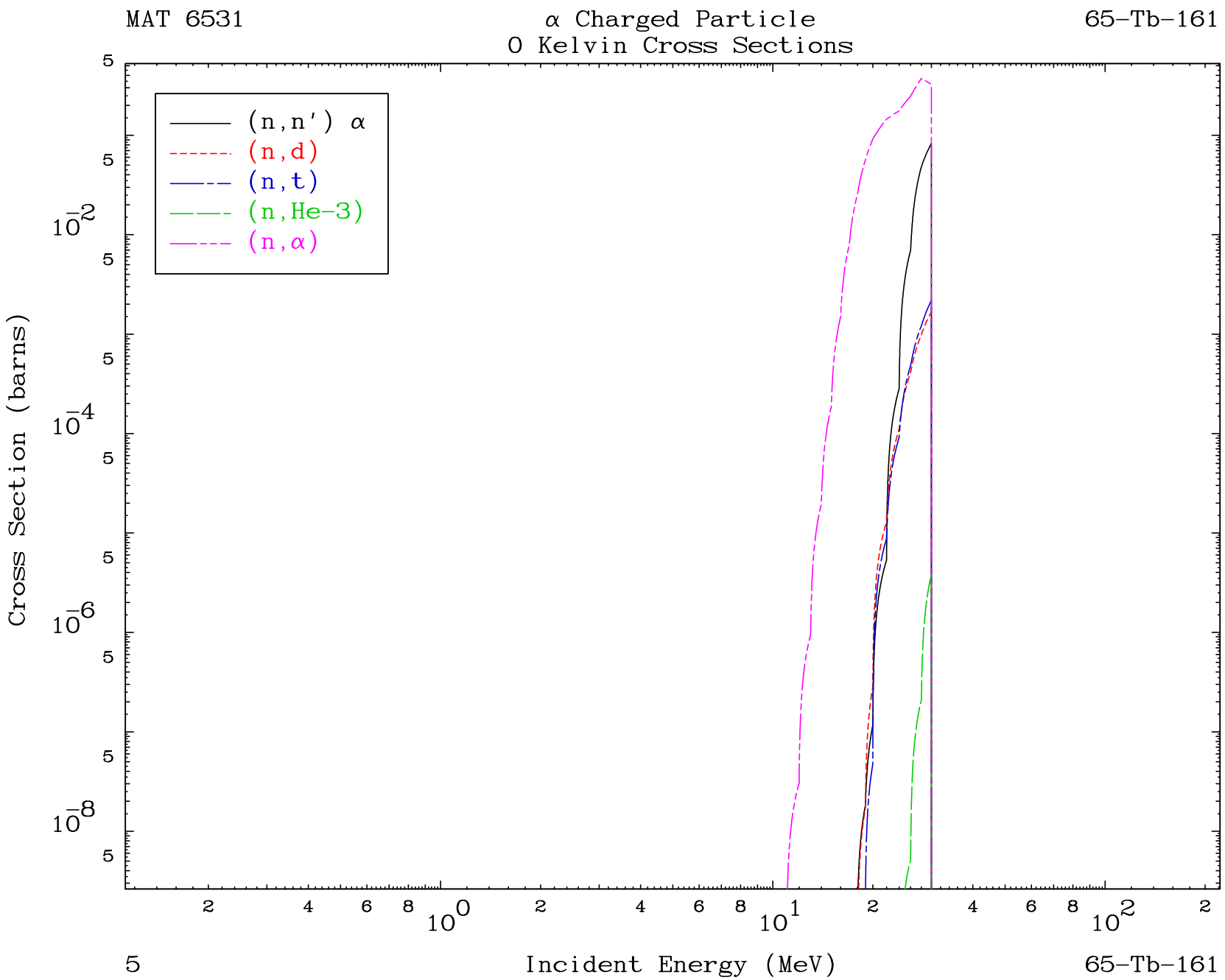
Press Mouse Button to Start

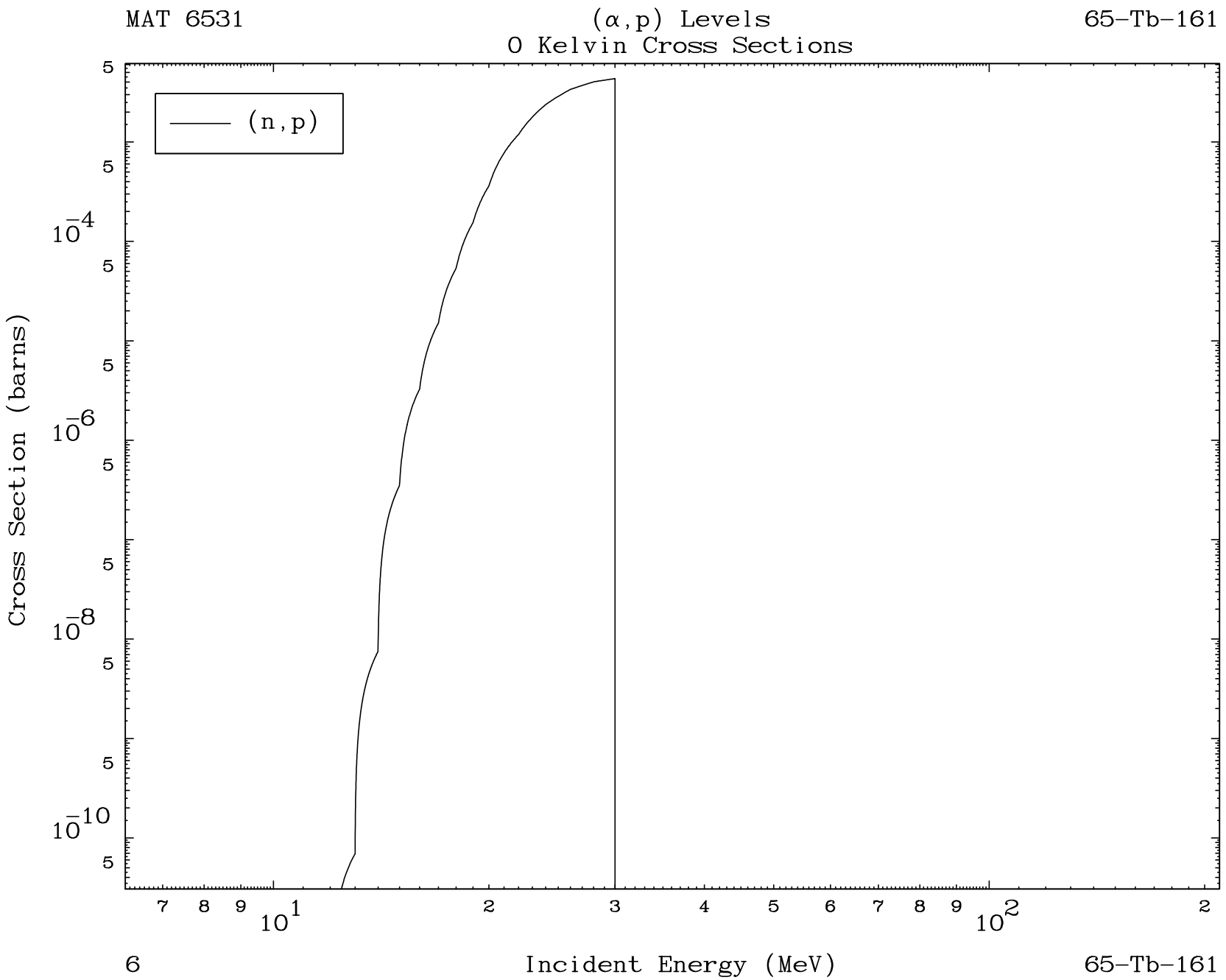

MAT 6531
α Major
65-Tb-161
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-161
1

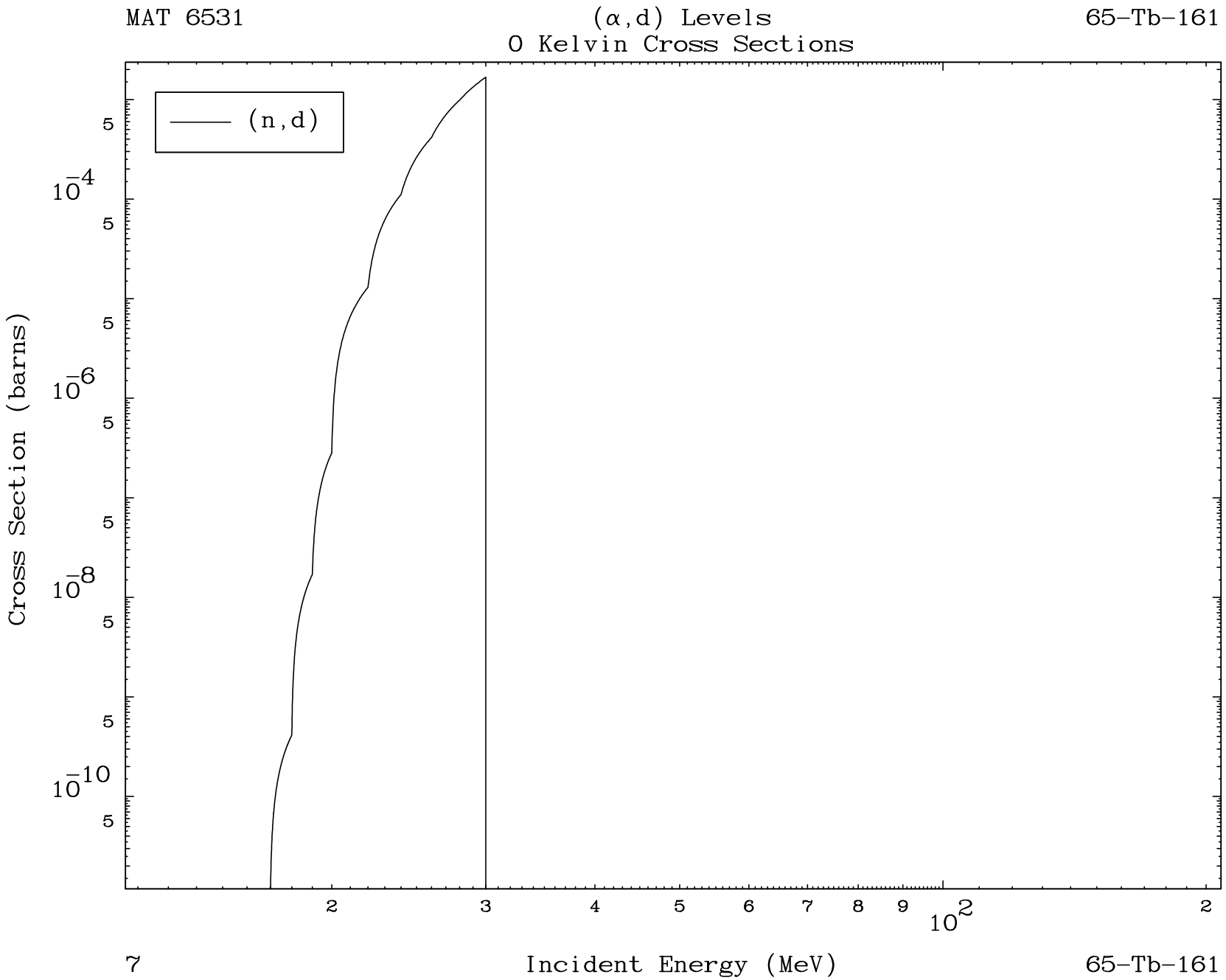

MAT 6531
α Neutron Absorption
0 Kelvin Cross Sections
65-Tb-161
Cross Section (barns)
Incident Energy (MeV)
65-Tb-161
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p


MAT 6531
α Neutron Absorption
0 Kelvin Cross Sections
65-Tb-161
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
65-Tb-161

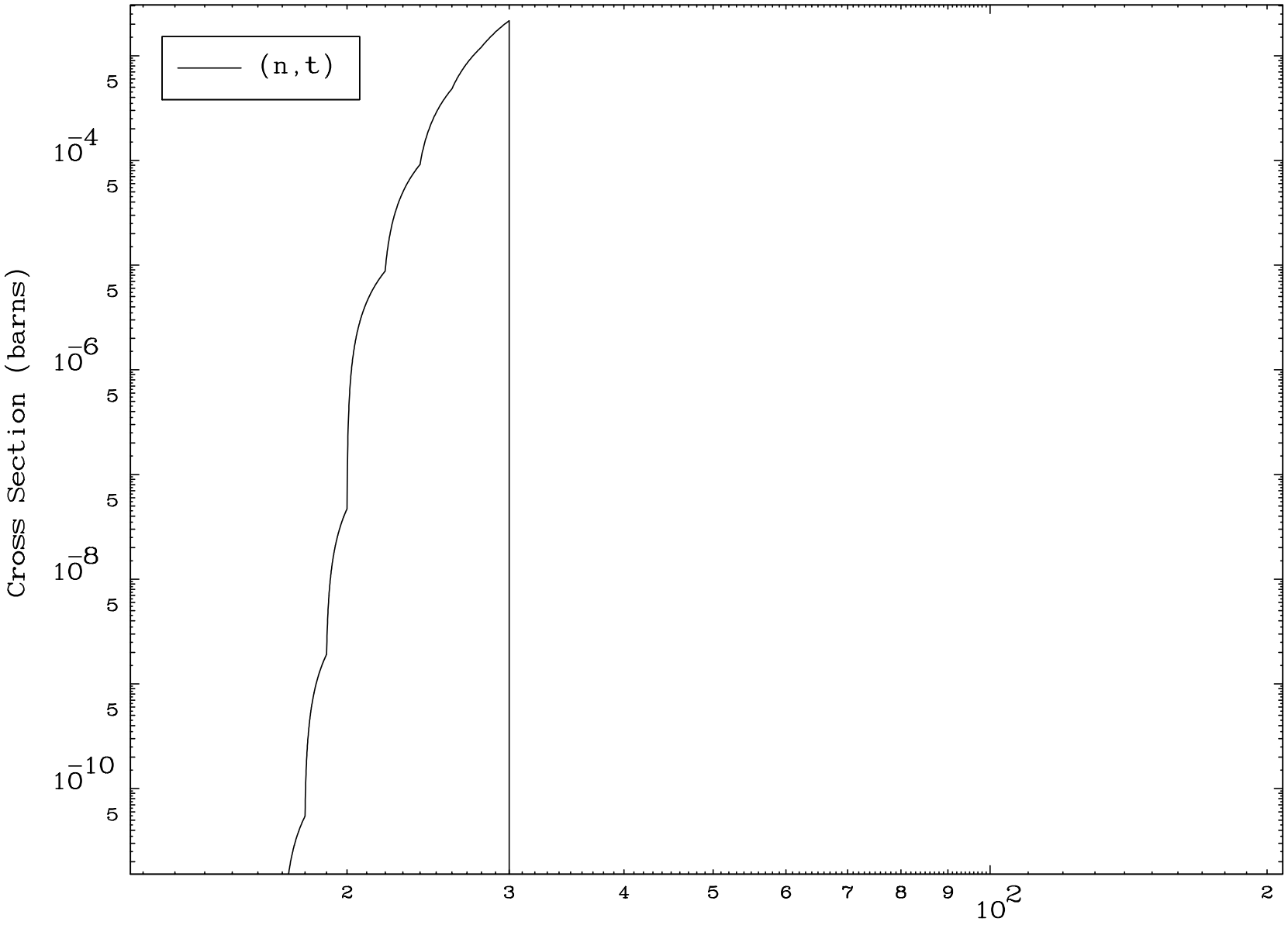

MAT 6531
α Charged Particle
0 Kelvin Cross Sections
65-Tb-161
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
4
65-Tb-161

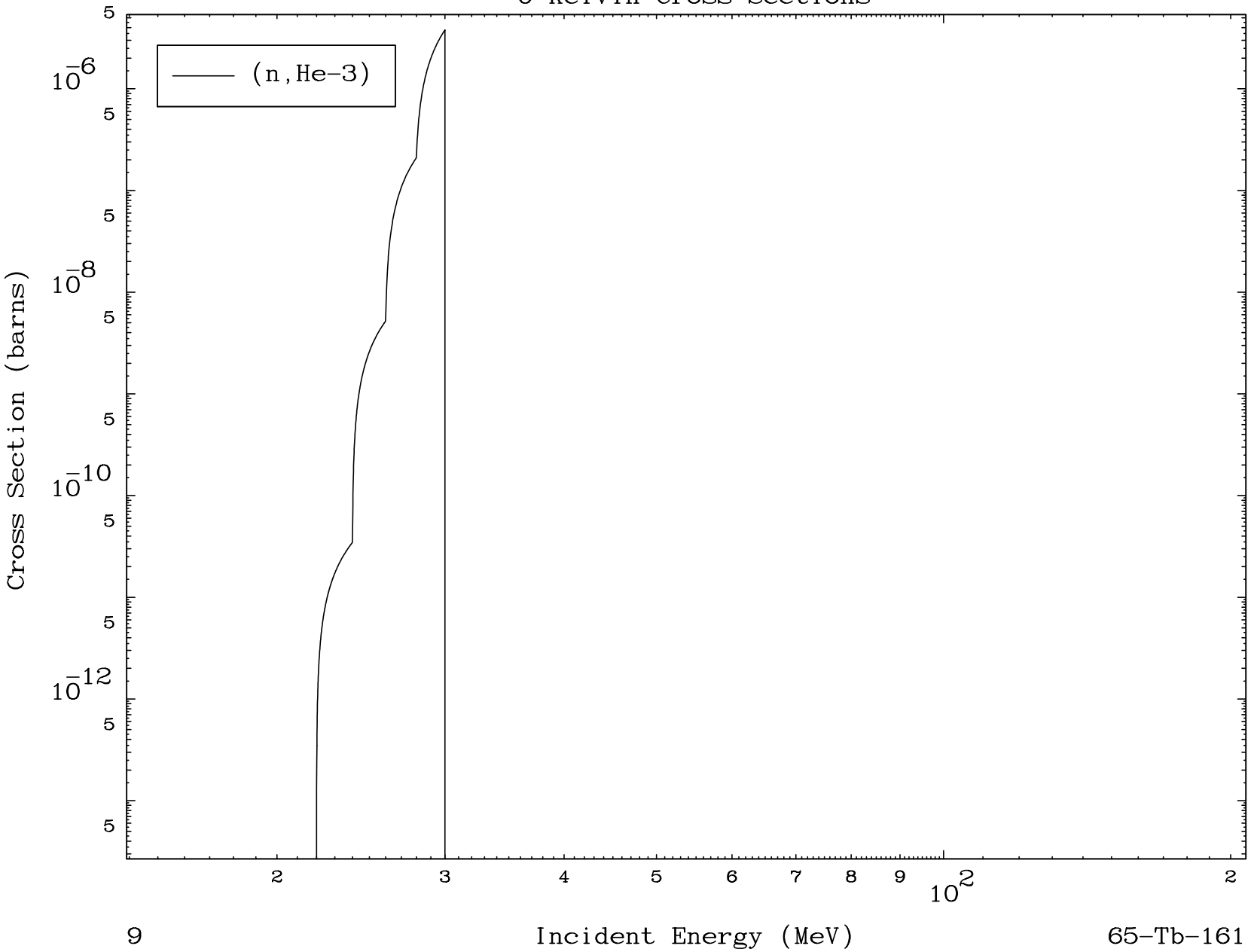

MAT 6531
α Charged Particle
0 Kelvin Cross Sections
65-Tb-161
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-161

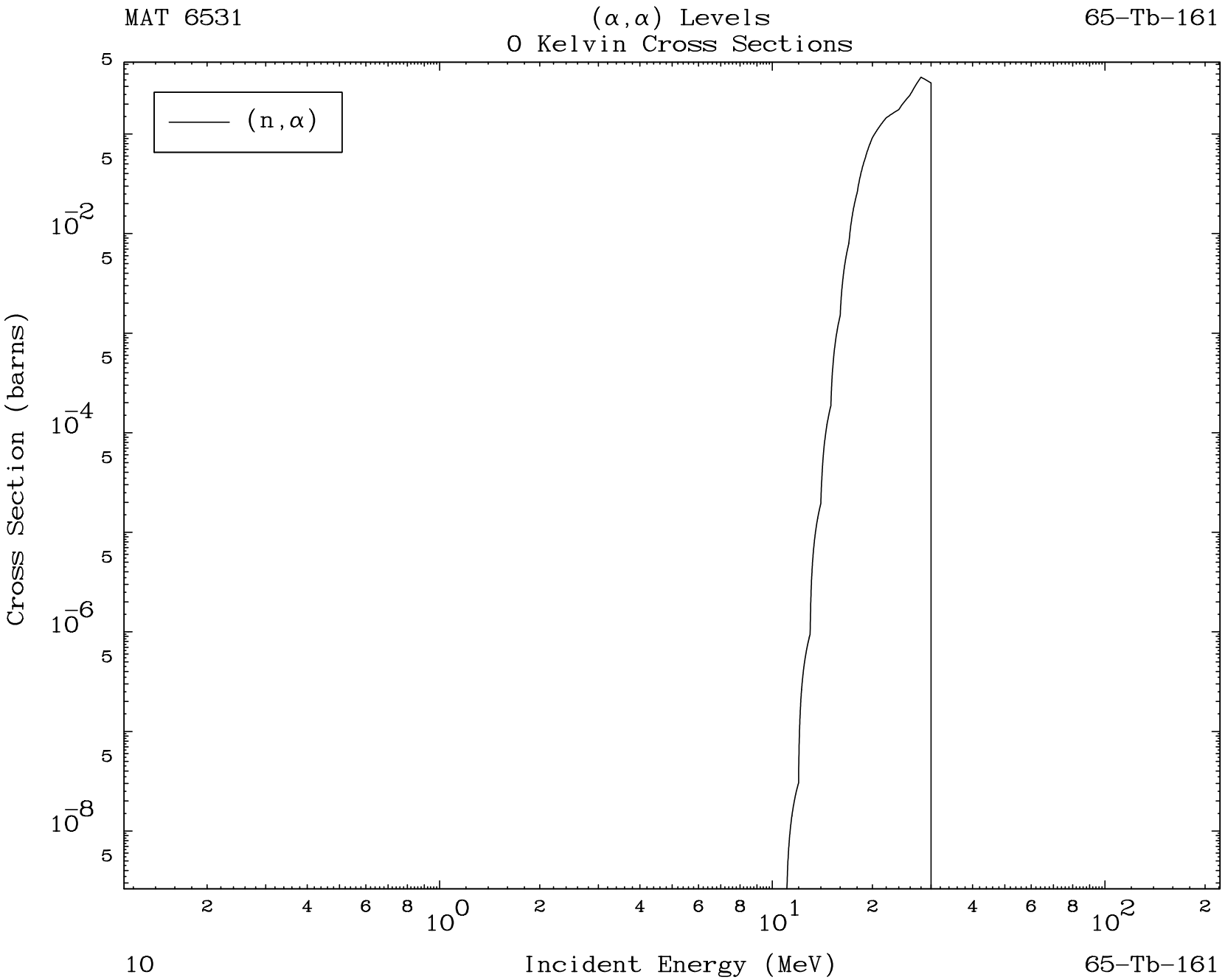

MAT 6531
(α,p) Levels
65-Tb-161
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
65-Tb-161

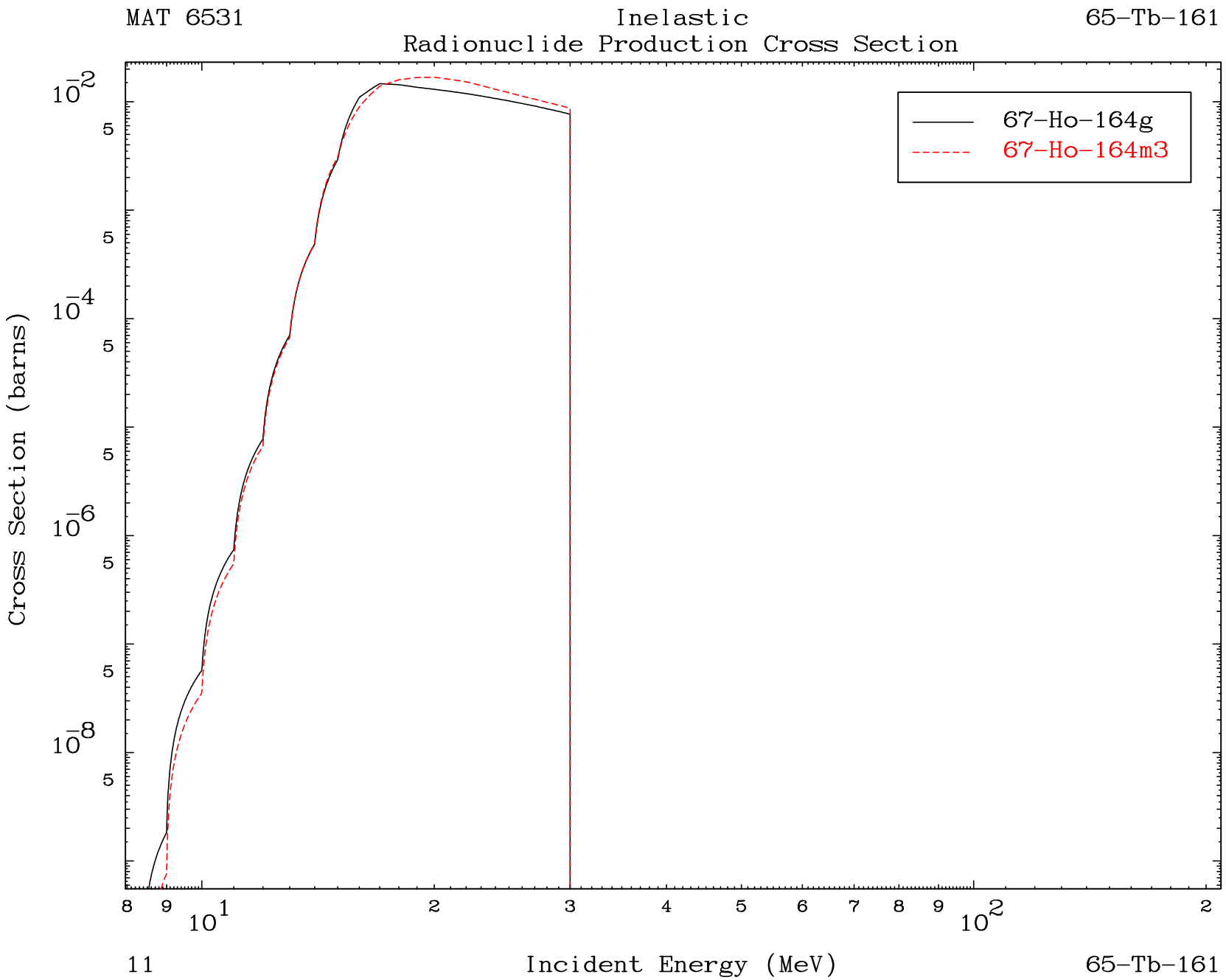

MAT 6531
(α,d) Levels
65-Tb-161
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
65-Tb-161

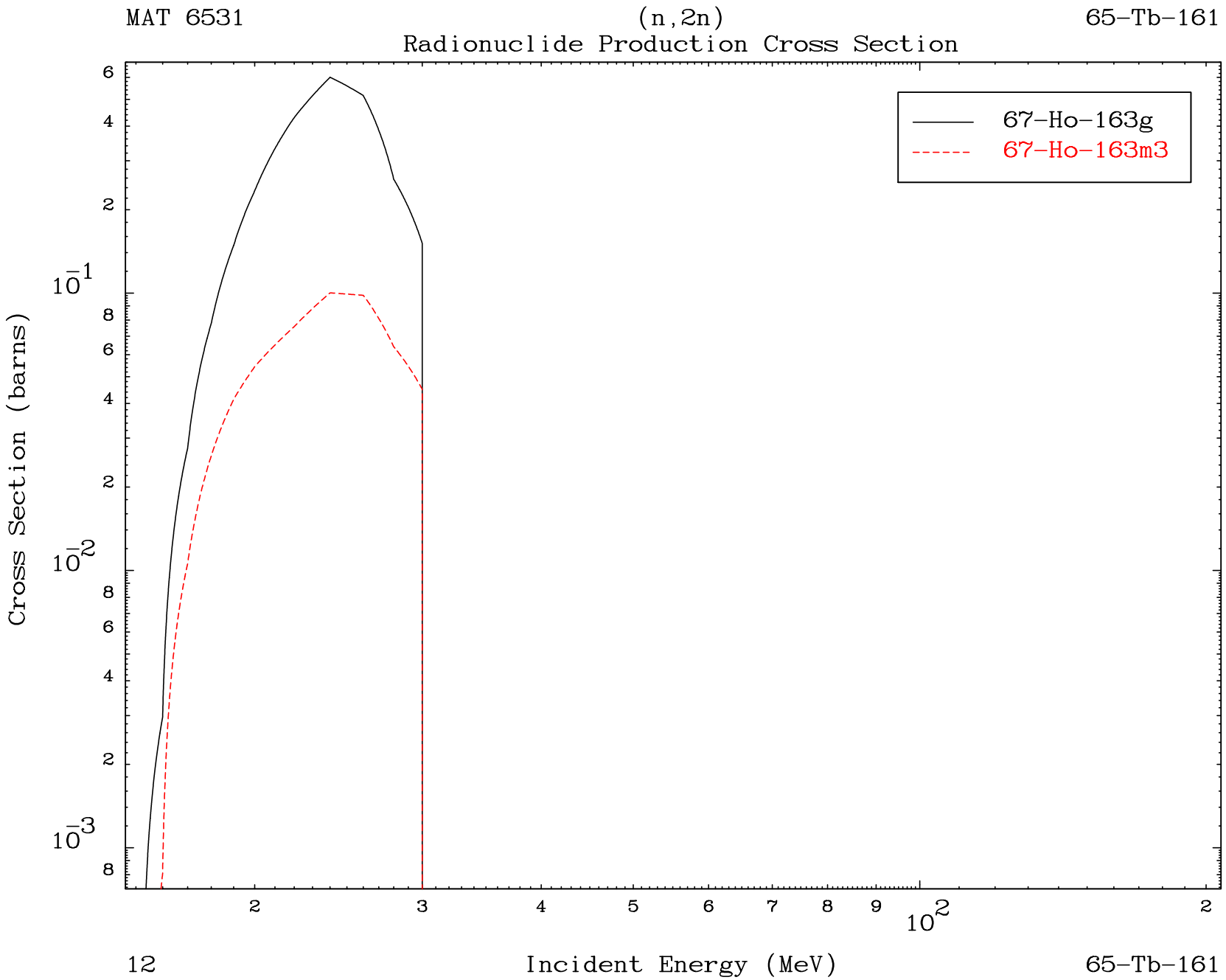
0 Kelvin Cross Sections

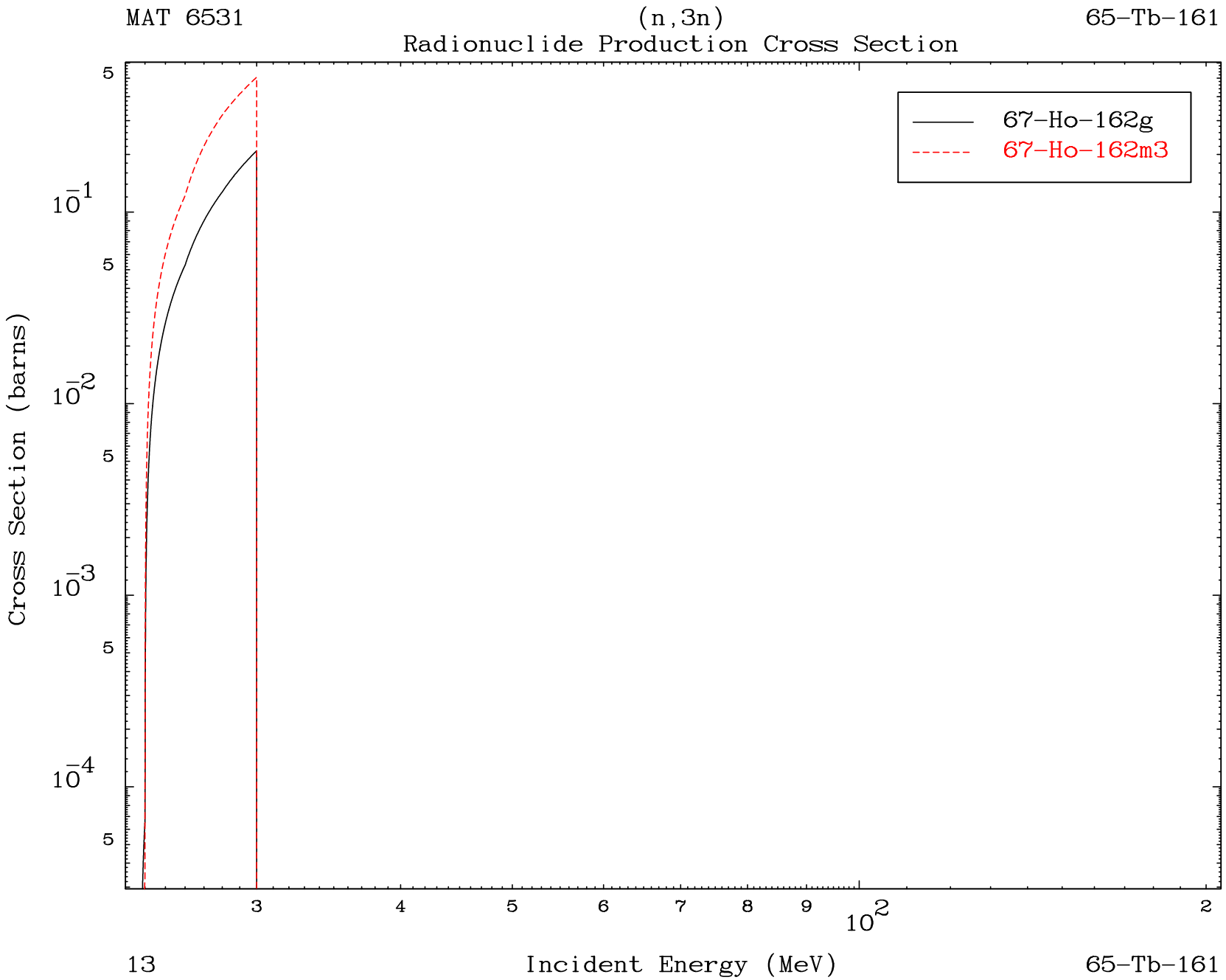



0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


MAT 6531
(α,α) Levels
65-Tb-161
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-161


MAT 6531
Inelastic
65-Tb-161
Radionuclide Production Cross Section
67-Ho-164g
67-Ho-164m3
Cross Section (barns)
Incident Energy (MeV)
11
65-Tb-161


MAT 6531
(n,2n)
65-Tb-161
Radionuclide Production Cross Section
67-Ho-163g
67-Ho-163m3
Cross Section (barns)
Incident Energy (MeV)
12
65-Tb-161


MAT 6531
(n,3n)
65-Tb-161
Radionuclide Production Cross Section
67-Ho-162g
67-Ho-162m3
Cross Section (barns)
5
10-1
5
10-2
5
10-3
5
10-4
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
65-Tb-161