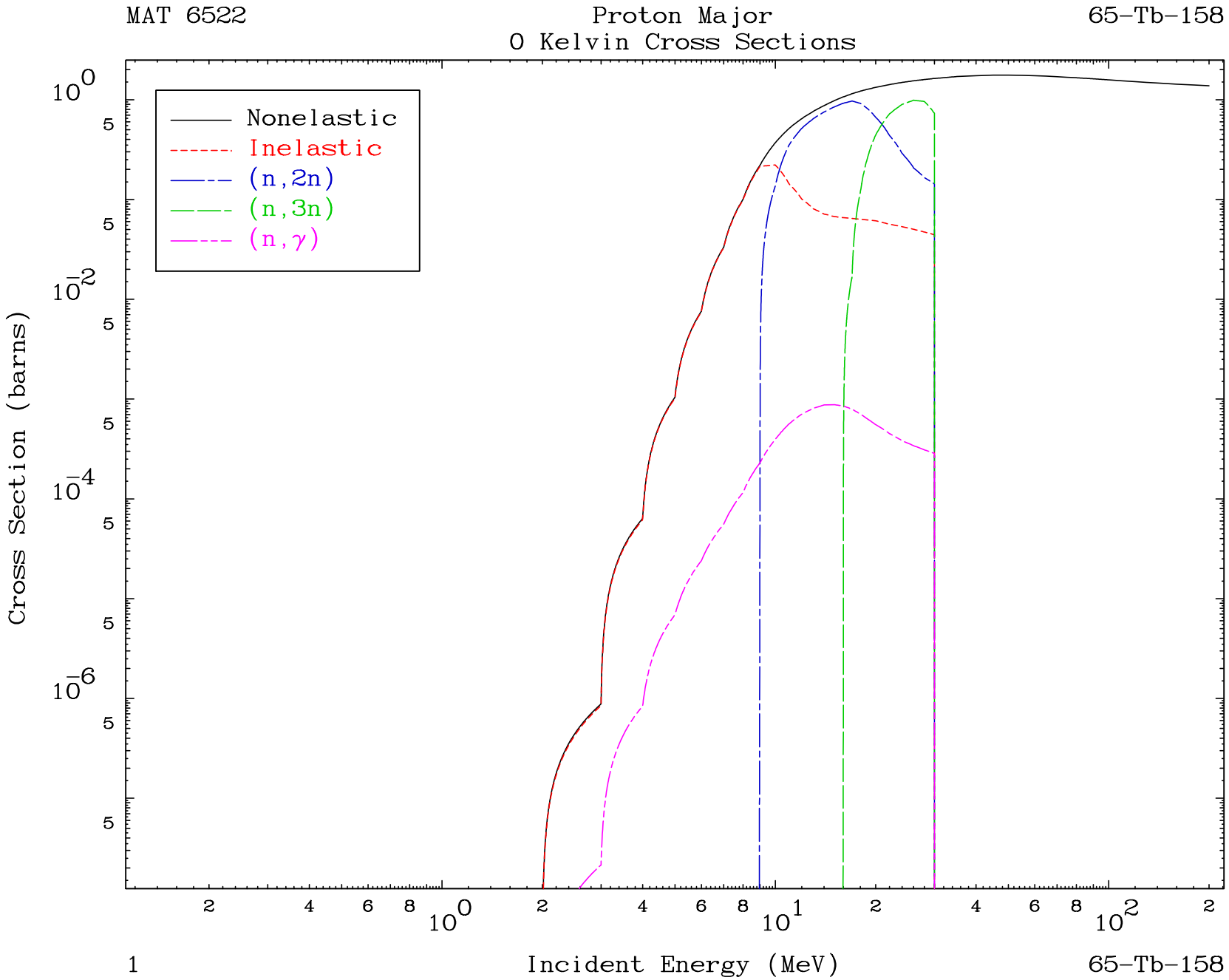
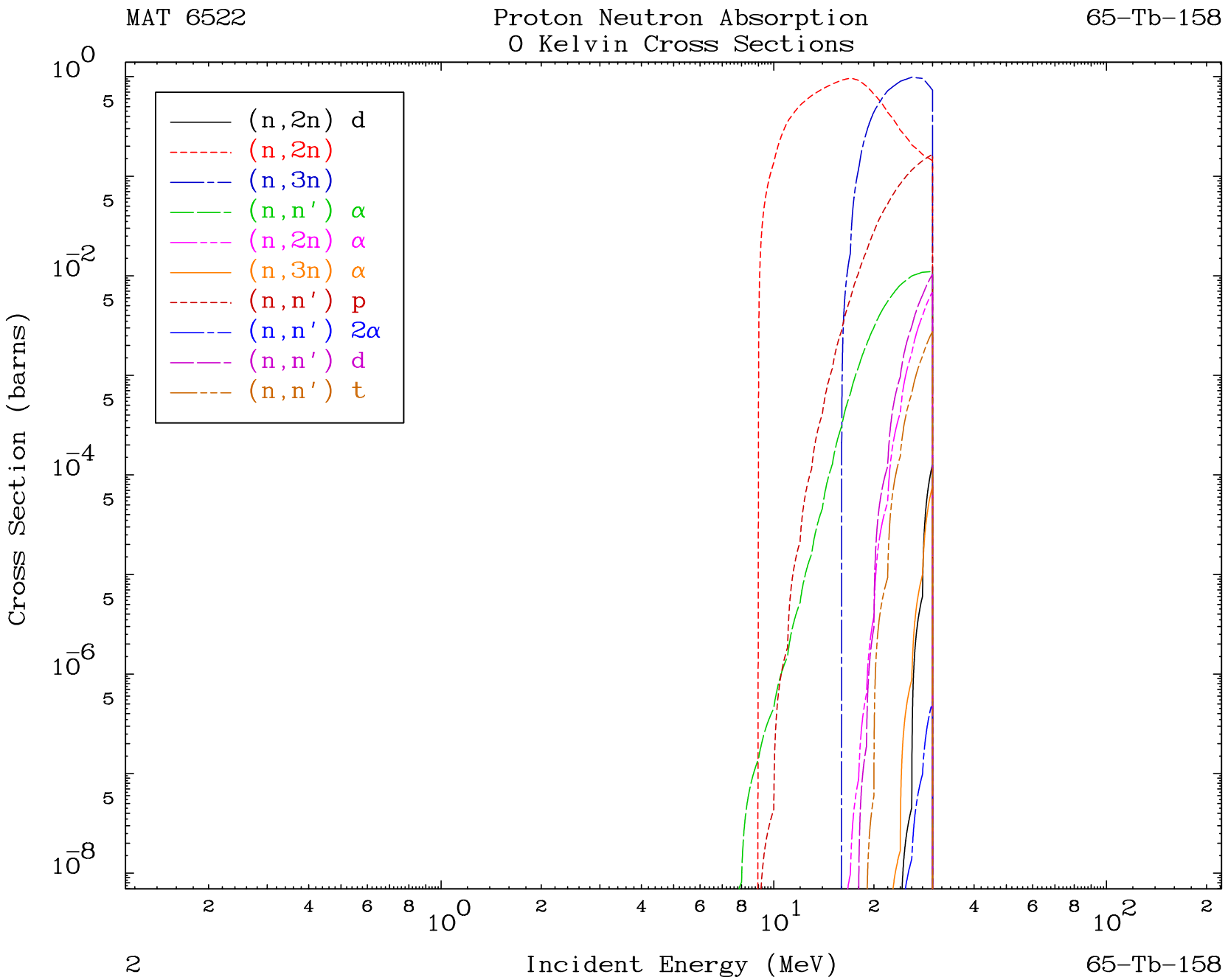
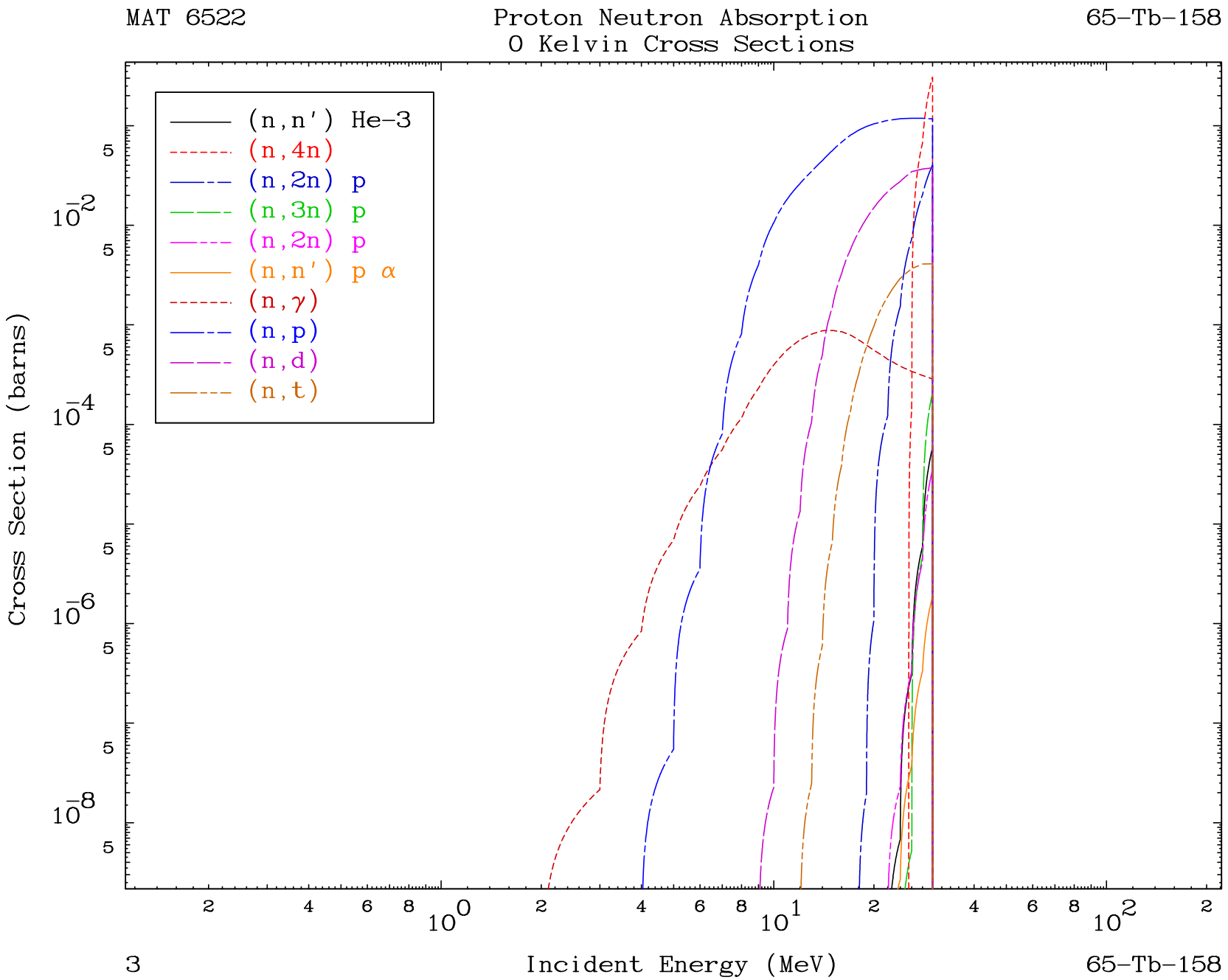
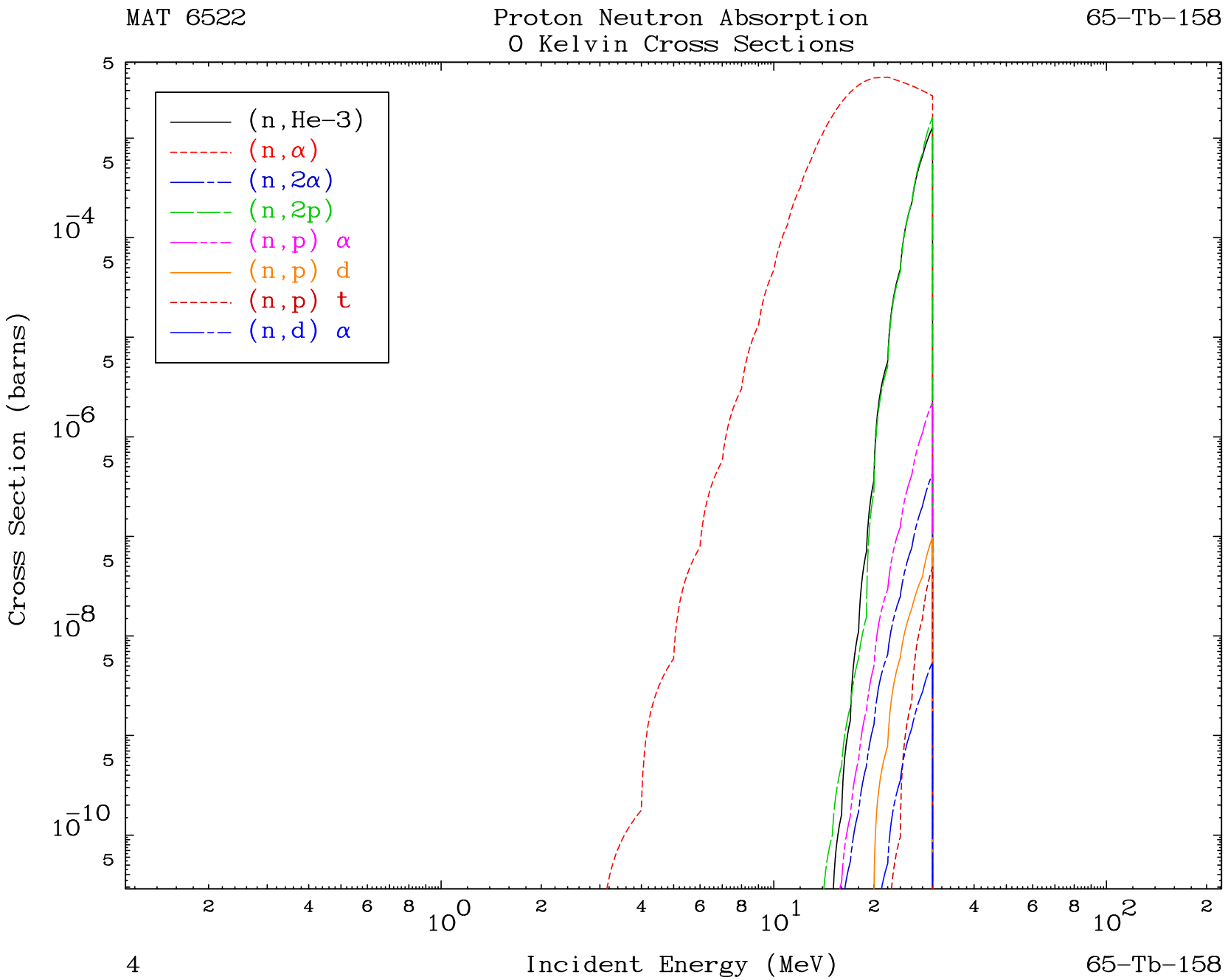
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

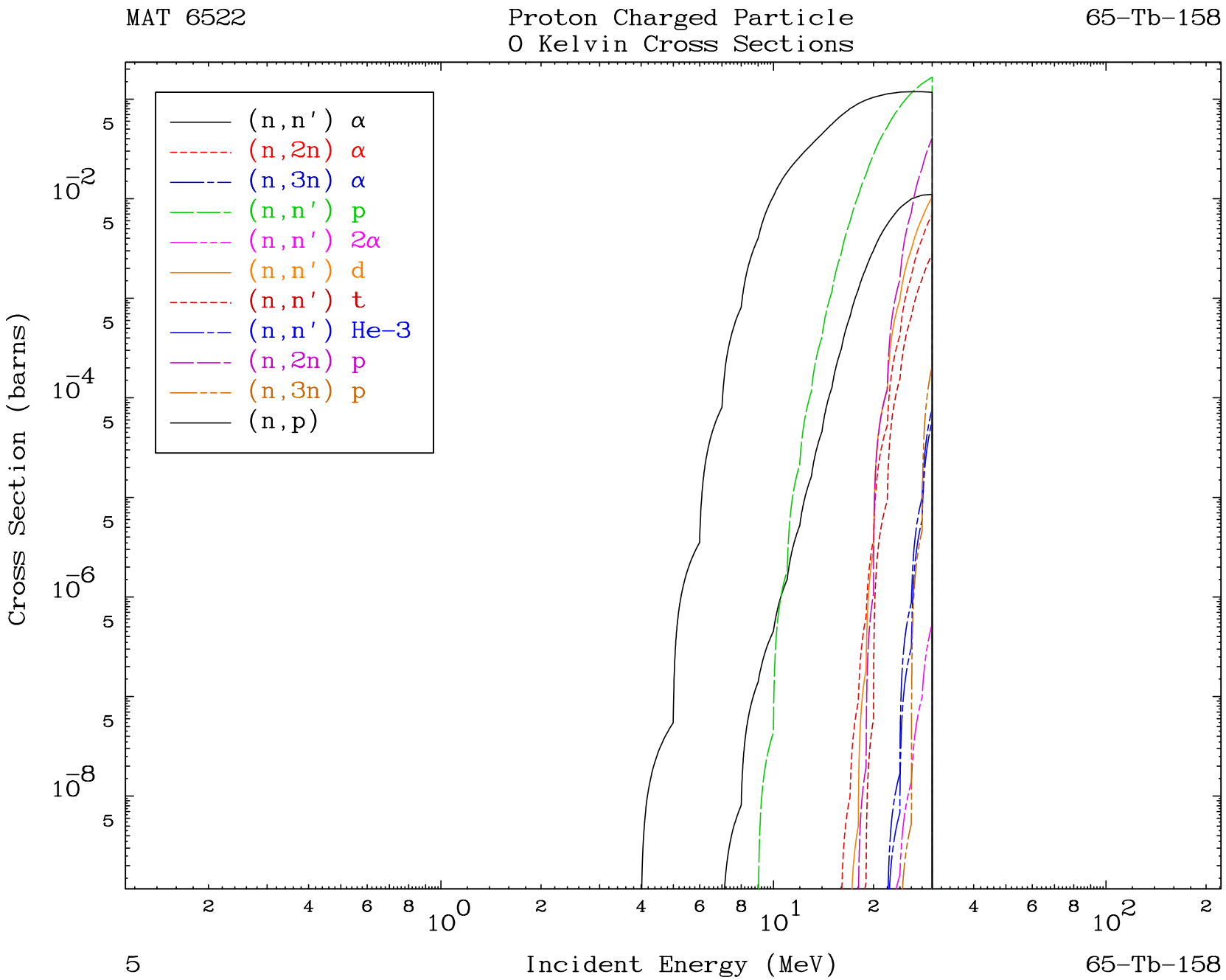
Press Mouse Button to Start

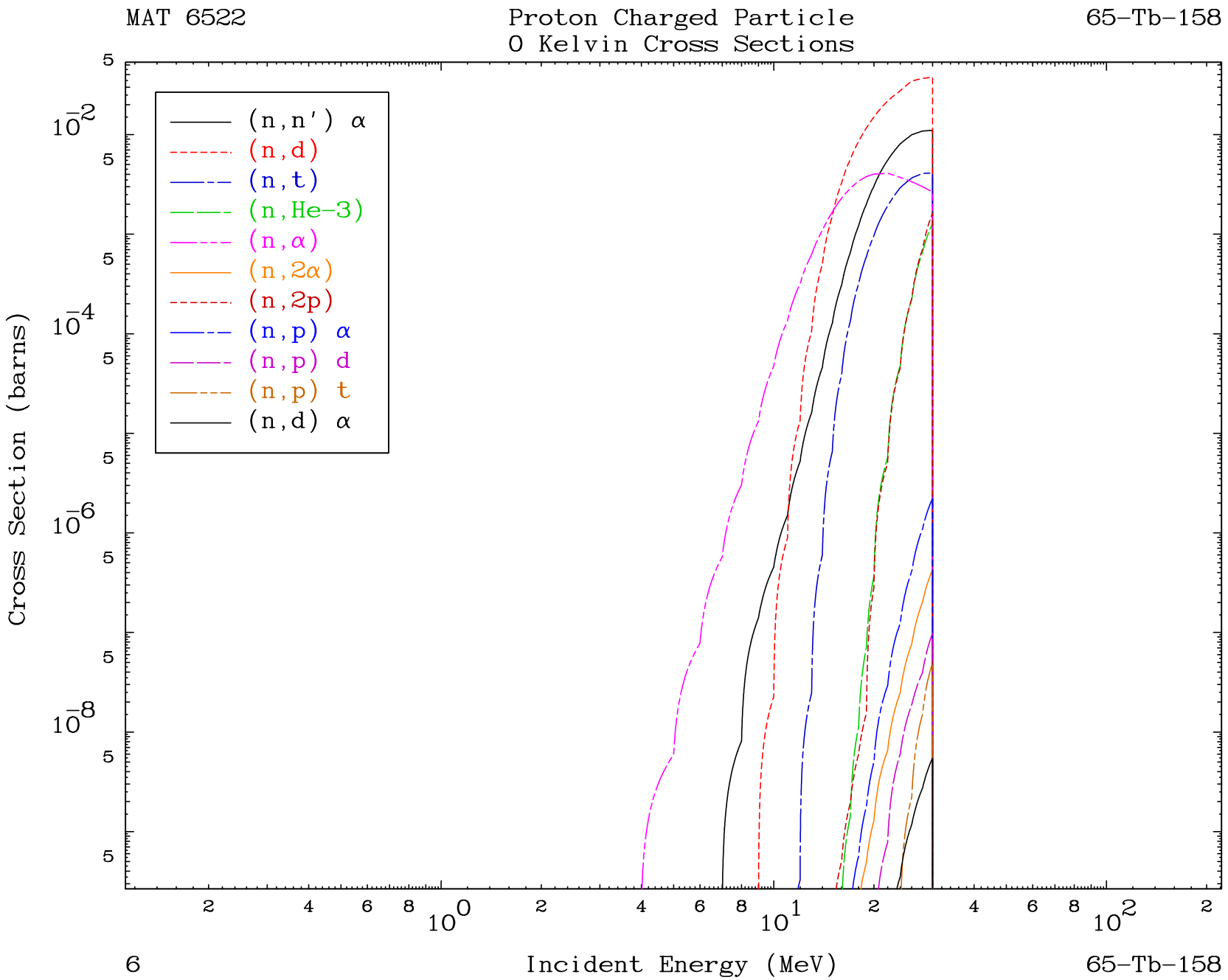

MAT 6522
Proton Major
65-Tb-158
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-158
1

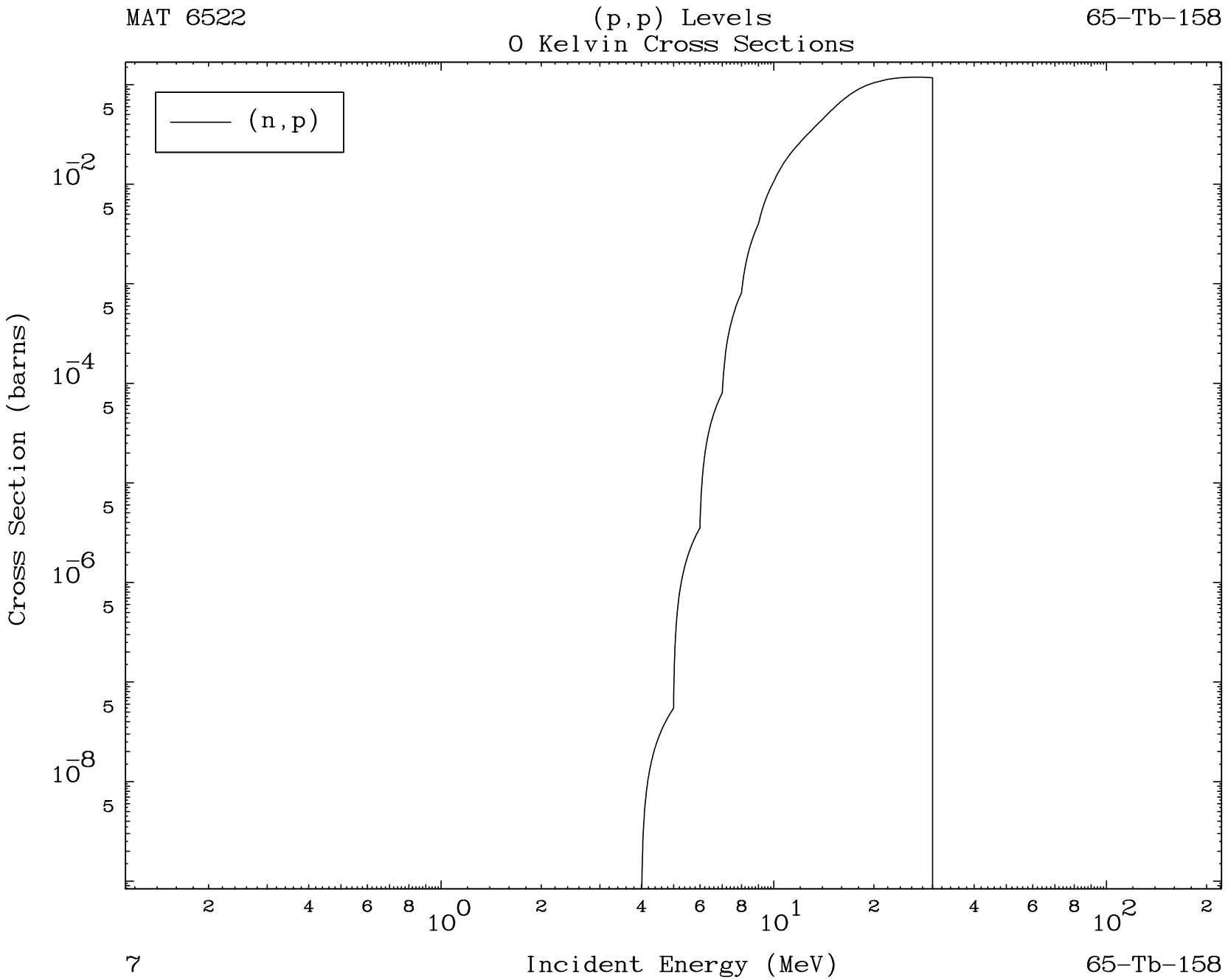

MAT 6522
Proton Neutron Absorption
0 Kelvin Cross Sections
65-Tb-158
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
65-Tb-158

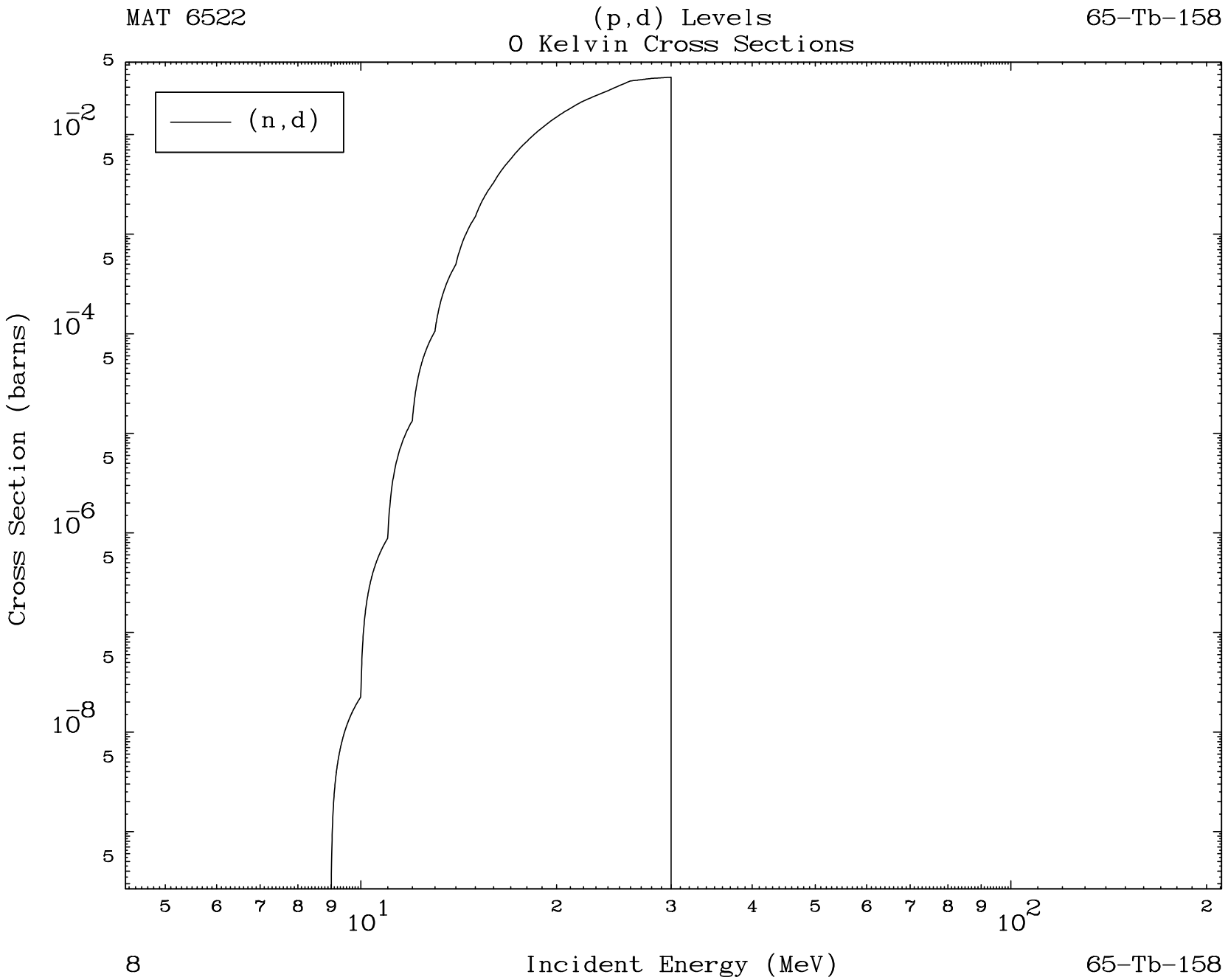

MAT 6522
Proton Neutron Absorption
0 Kelvin Cross Sections
65-Tb-158
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
65-Tb-158

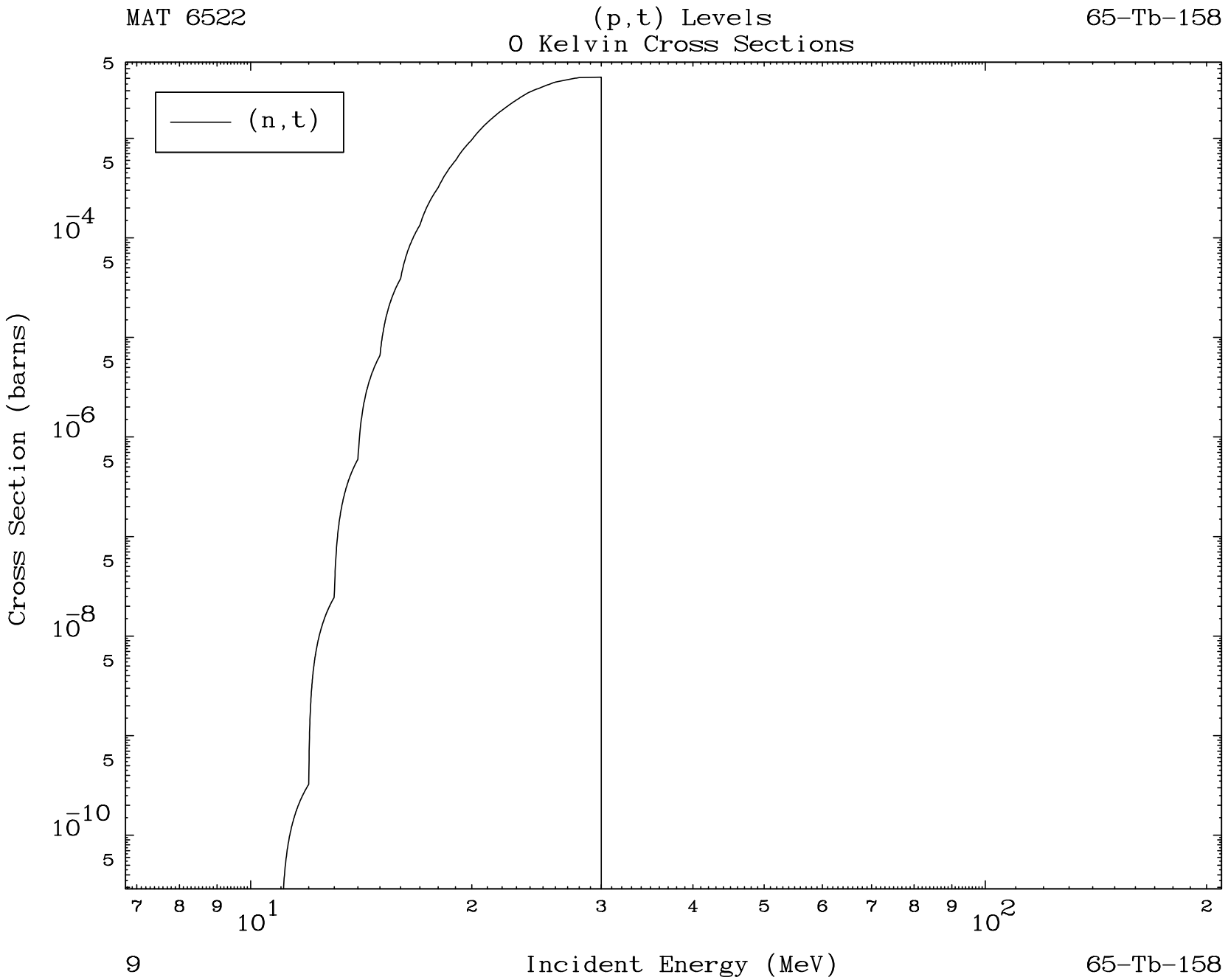

MAT 6522
Proton Neutron Absorption
0 Kelvin Cross Sections
65-Tb-158
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
65-Tb-158

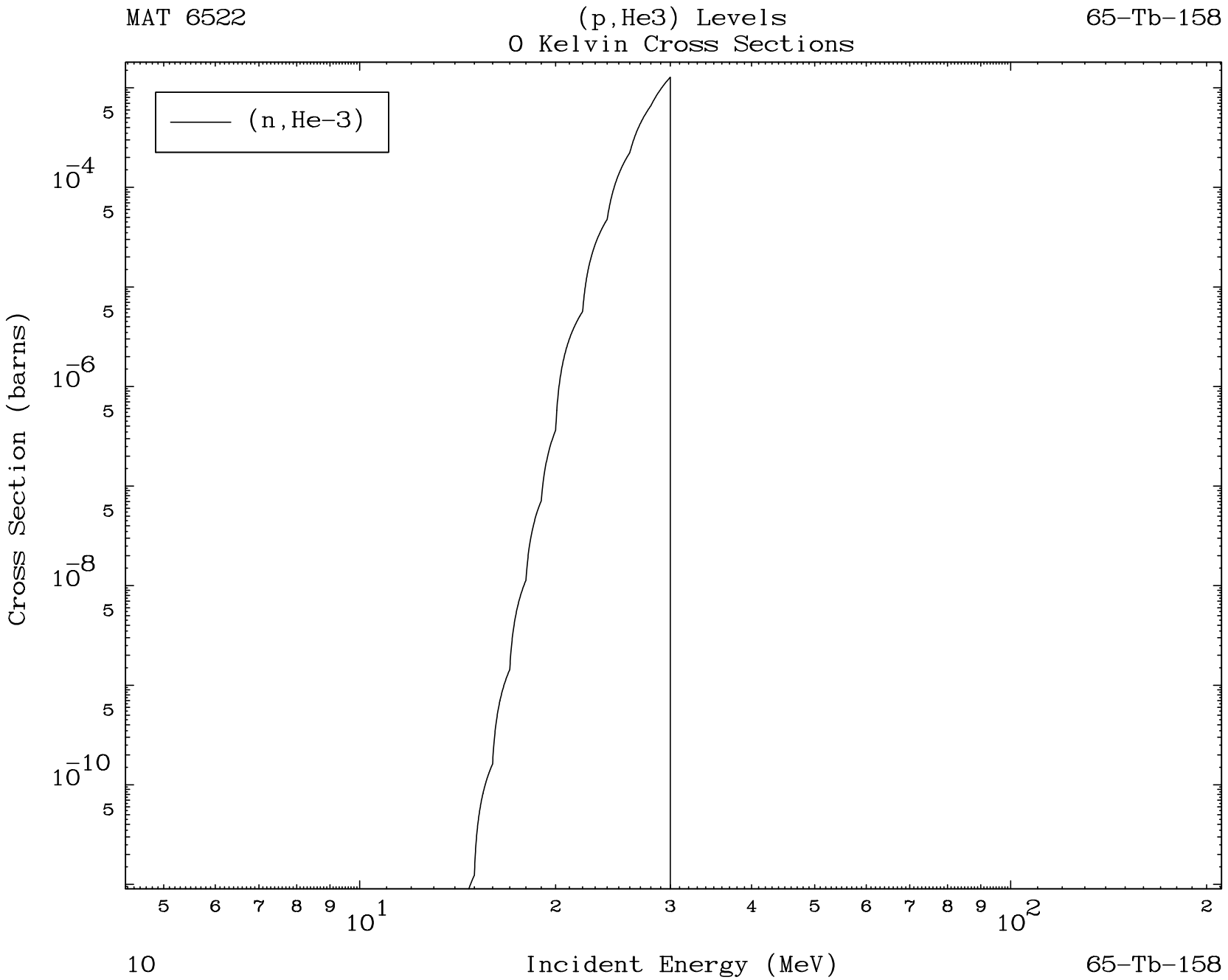

MAT 6522
Proton Charged Particle
0 Kelvin Cross Sections
65-Tb-158
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
5
65-Tb-158

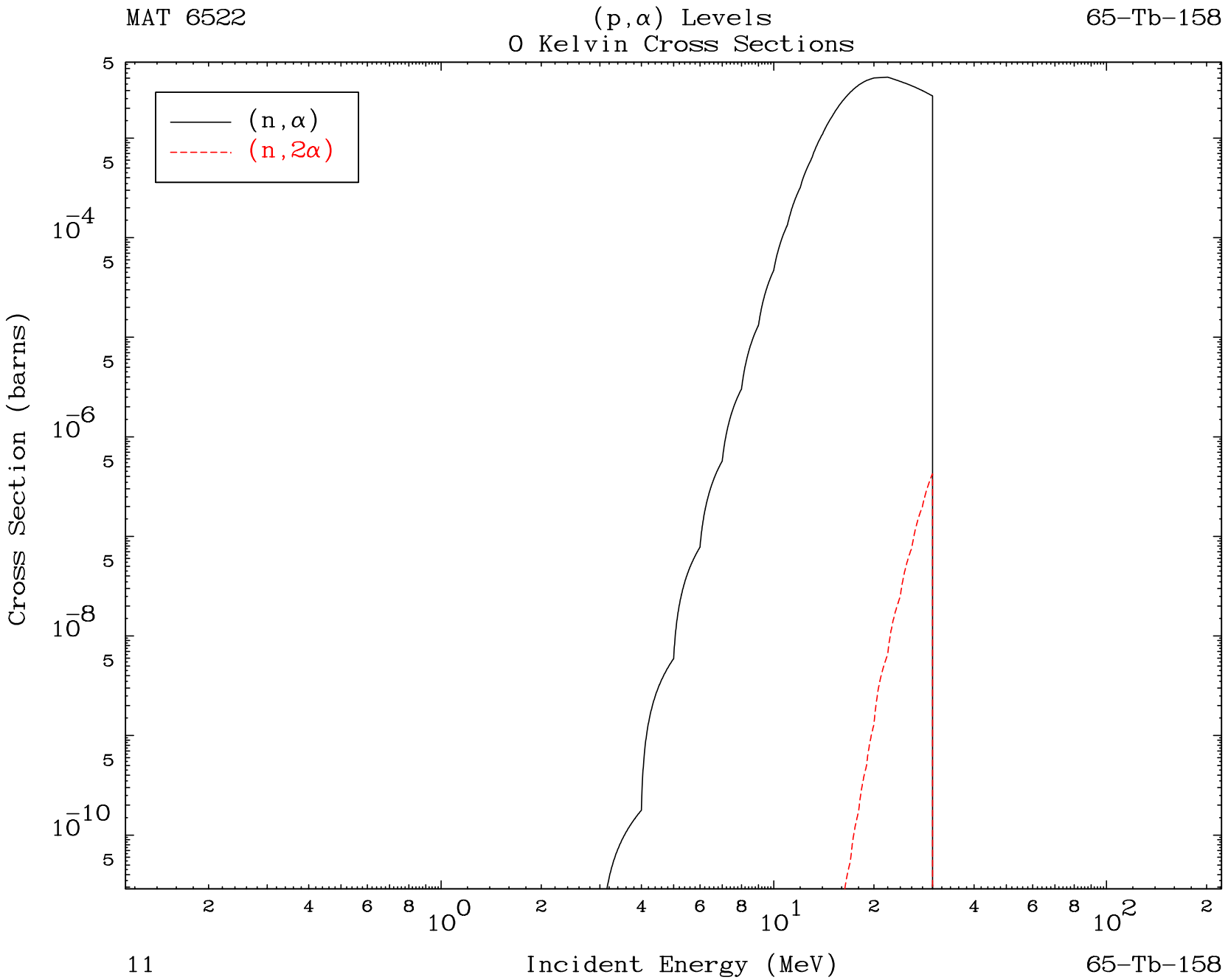

MAT 6522
Proton Charged Particle
0 Kelvin Cross Sections
65-Tb-158
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
65-Tb-158

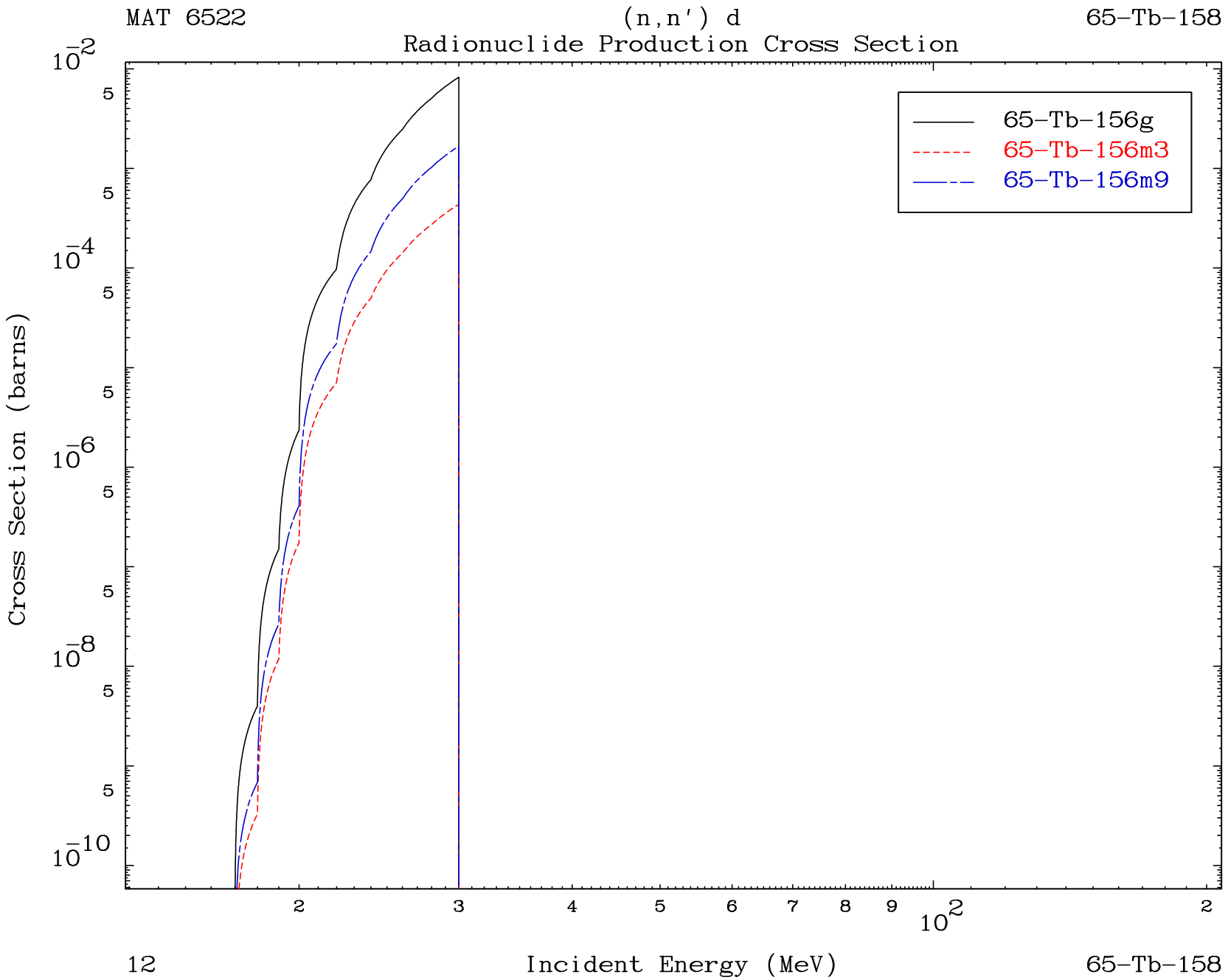

MAT 6522
(p,p) Levels
65-Tb-158
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
65-Tb-158

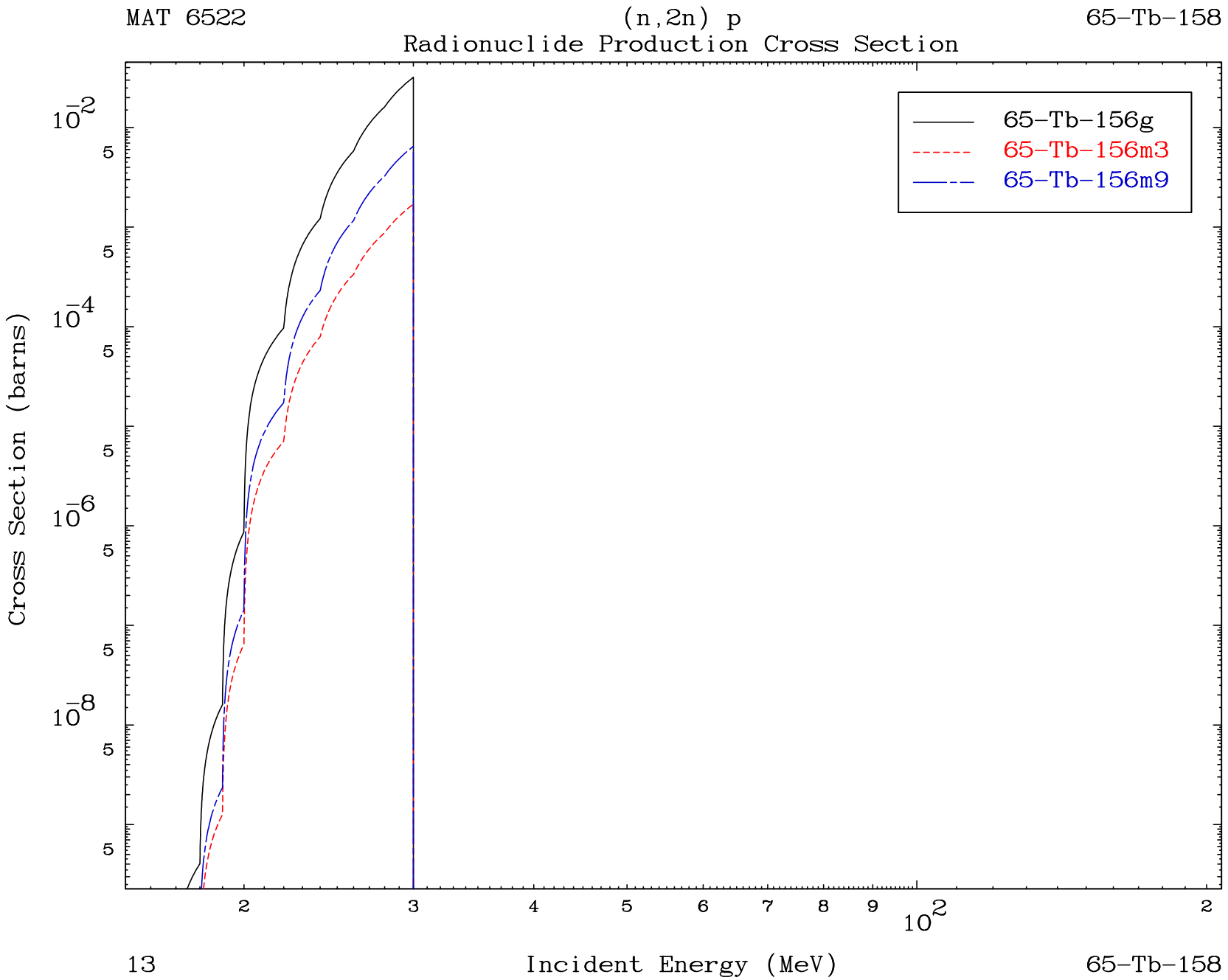

MAT 6522
(p,d) Levels
65-Tb-158
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
65-Tb-158

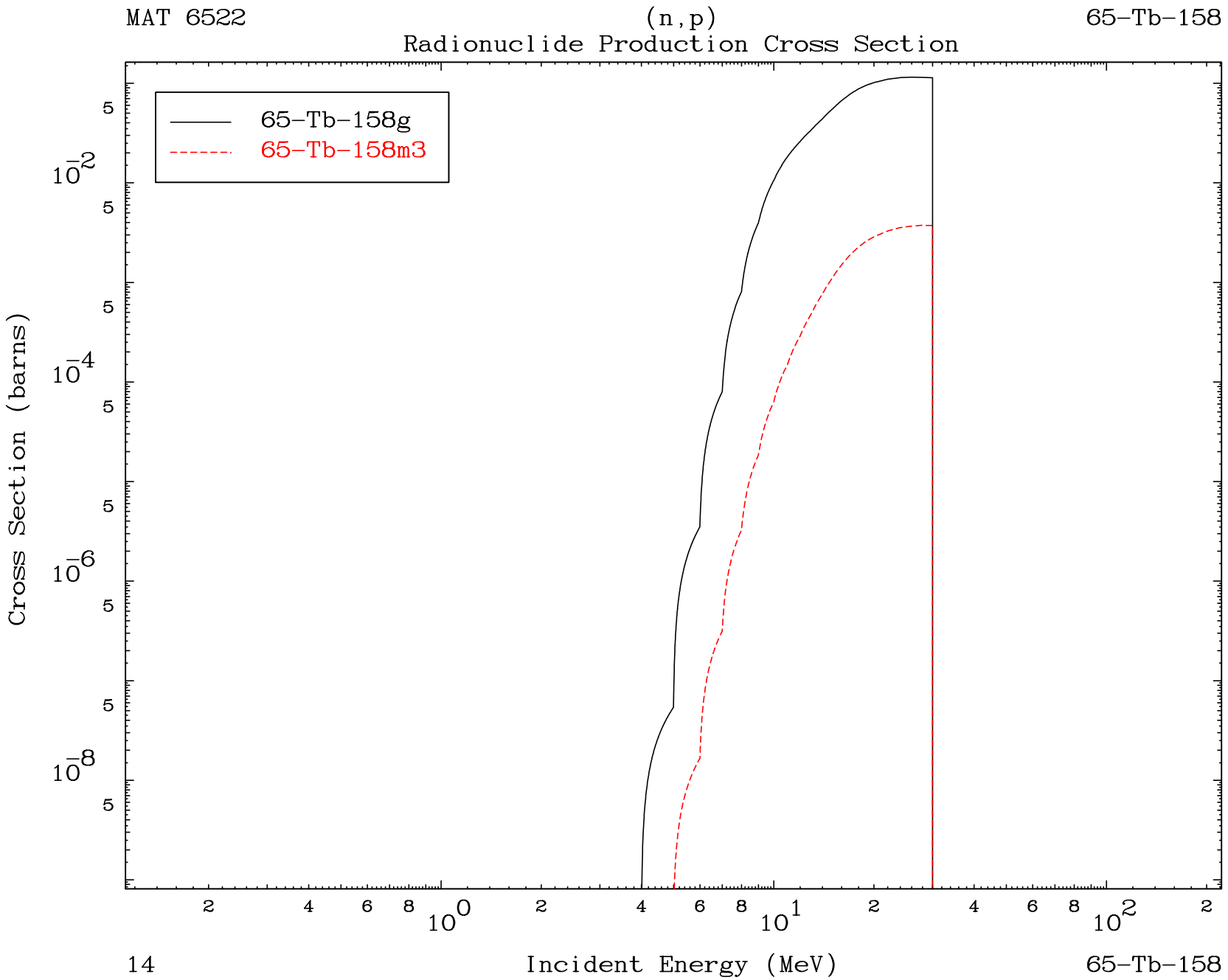

MAT 6522
(p,t) Levels
65-Tb-158
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
65-Tb-158

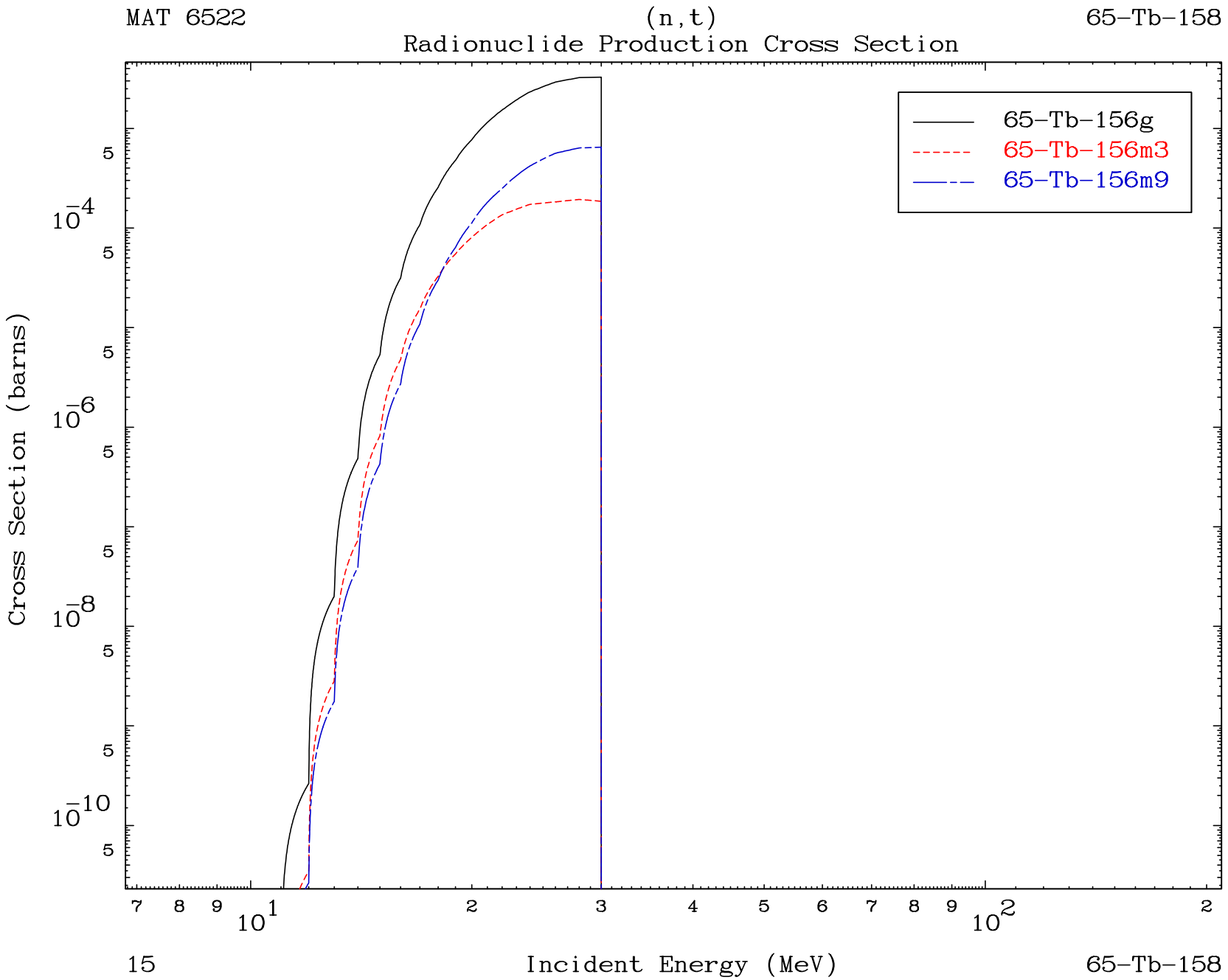

MAT 6522
(p,He3) Levels
65-Tb-158
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
10^2
2
3
4
6
7
8
9
10
Incident Energy (MeV)
65-Tb-158

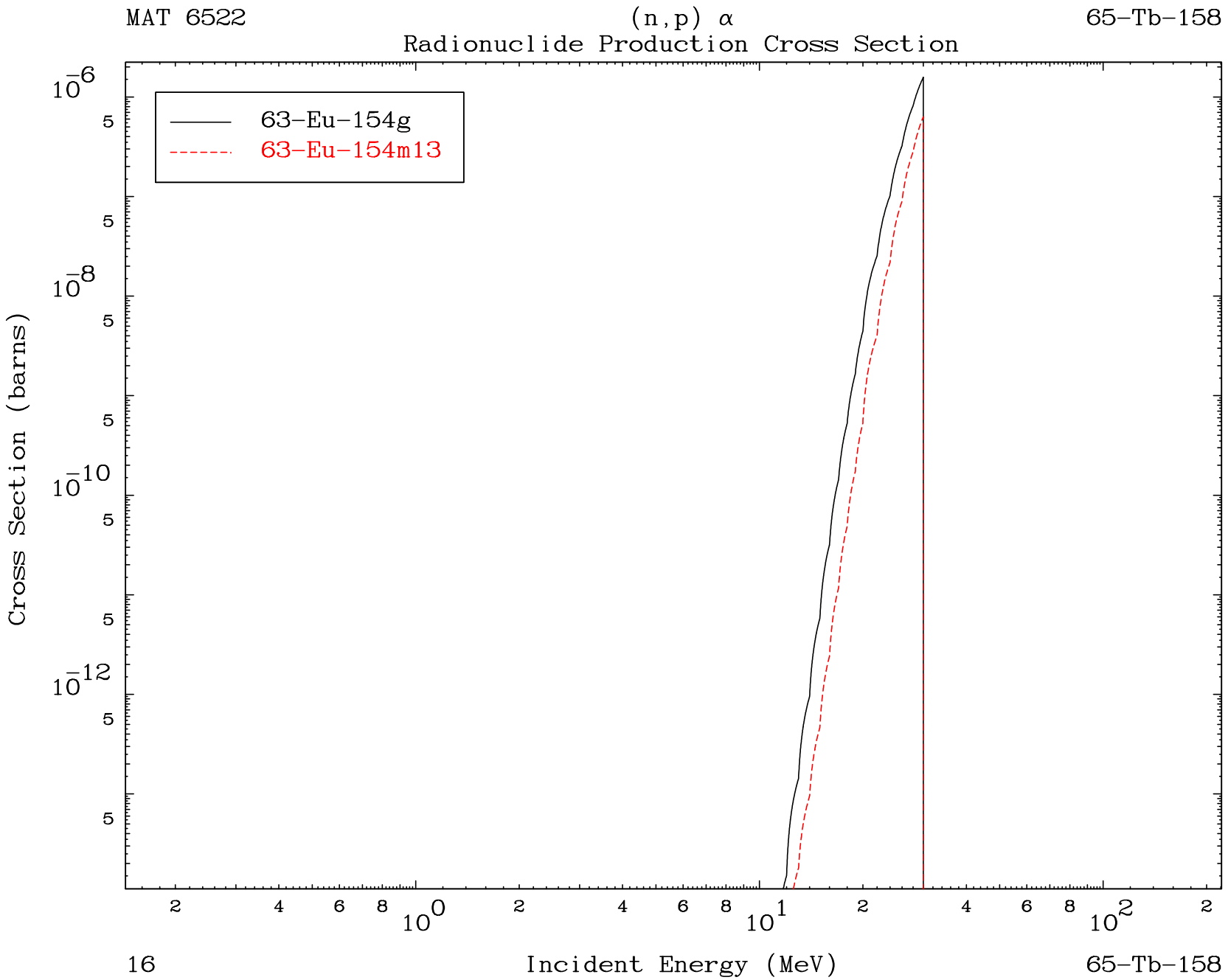

MAT 6522
(p,α) Levels
65-Tb-158
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
65-Tb-158


MAT 6522
(n,n') d
65-Tb-158
Radionuclide Production Cross Section
65-Tb-156g
65-Tb-156m3
65-Tb-156m9
Cross Section (barns)
Incident Energy (MeV)
12
65-Tb-158


MAT 6522
(n,2n) p
65-Tb-158
Radionuclide Production Cross Section
65-Tb-156g
65-Tb-156m3
65-Tb-156m9
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
65-Tb-158


MAT 6522
(n,p)
65-Tb-158
Radionuclide Production Cross Section
65-Tb-158g
65-Tb-158m3
Cross Section (barns)
Incident Energy (MeV)
14
65-Tb-158


MAT 6522
(n,t)
65-Tb-158
Radionuclide Production Cross Section
65-Tb-156g
65-Tb-156m3
65-Tb-156m9
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 101 2 3 4 5 6 7 8 9 102 2
Incident Energy (MeV)
15
65-Tb-158


MAT 6522
(n,p) α
65-Tb-158
Radionuclide Production Cross Section
63-Eu-154g
63-Eu-154m13
Cross Section (barns)
Incident Energy (MeV)
16
65-Tb-158