Program EVALPLOT
(Version 2021-1)
by
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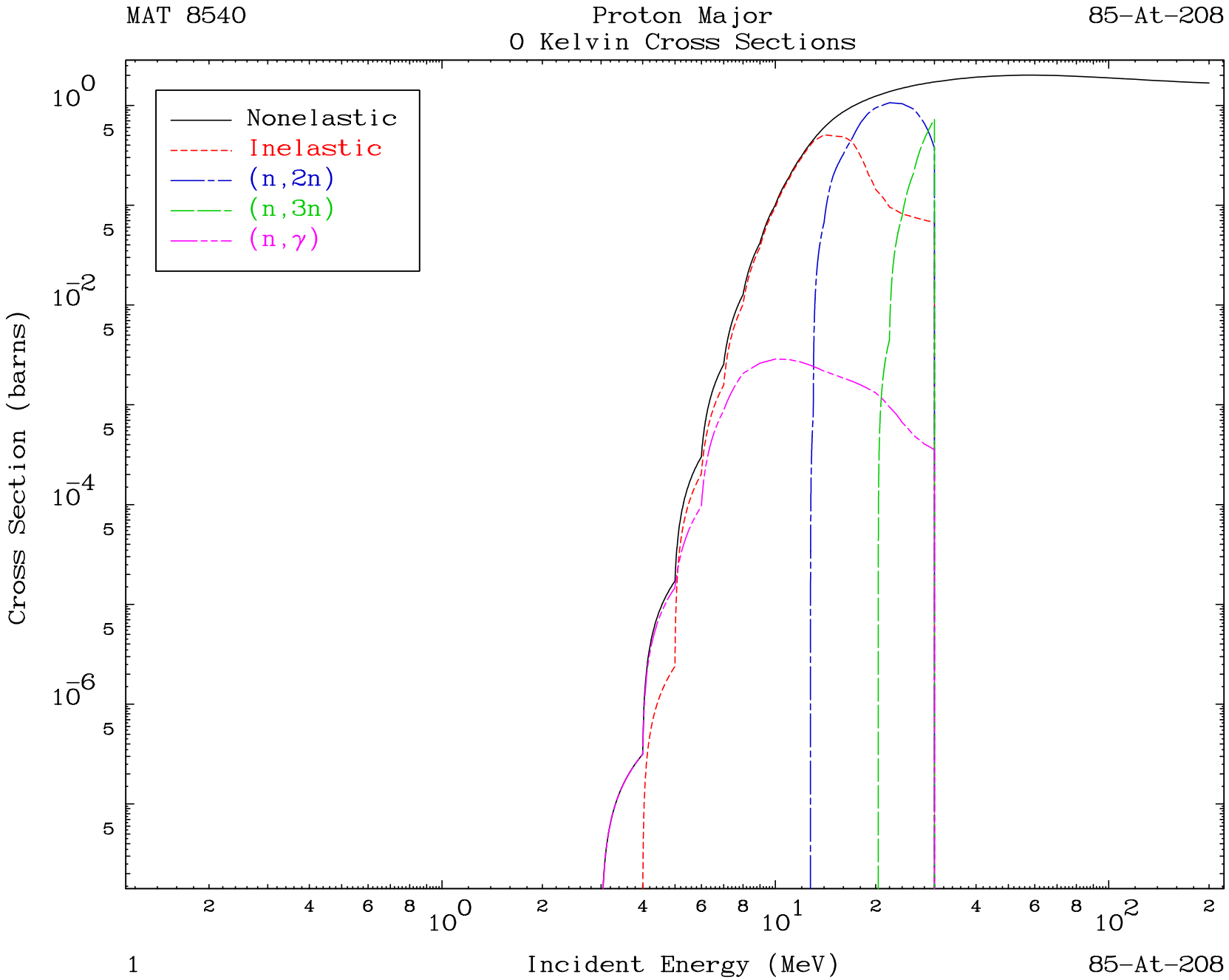
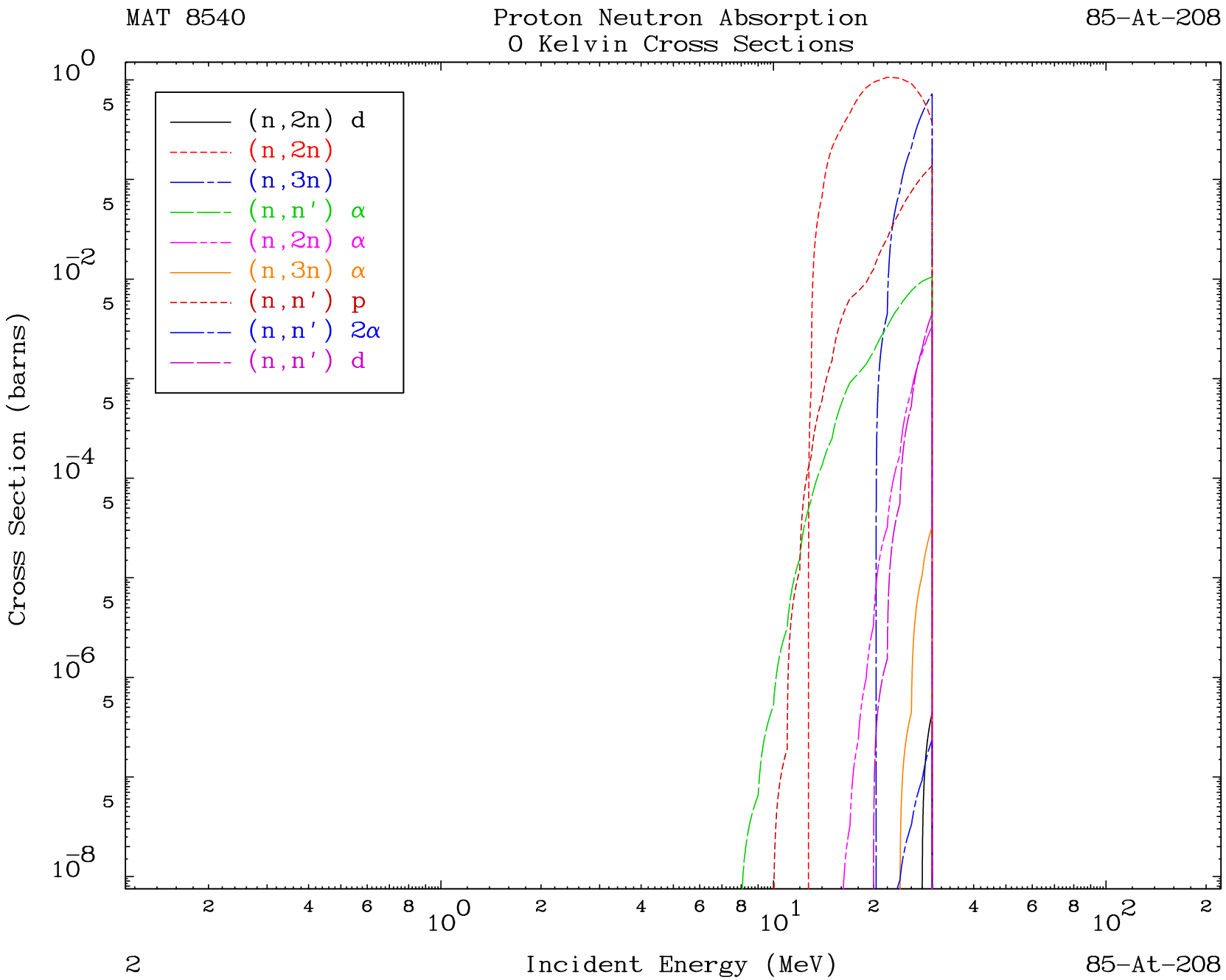
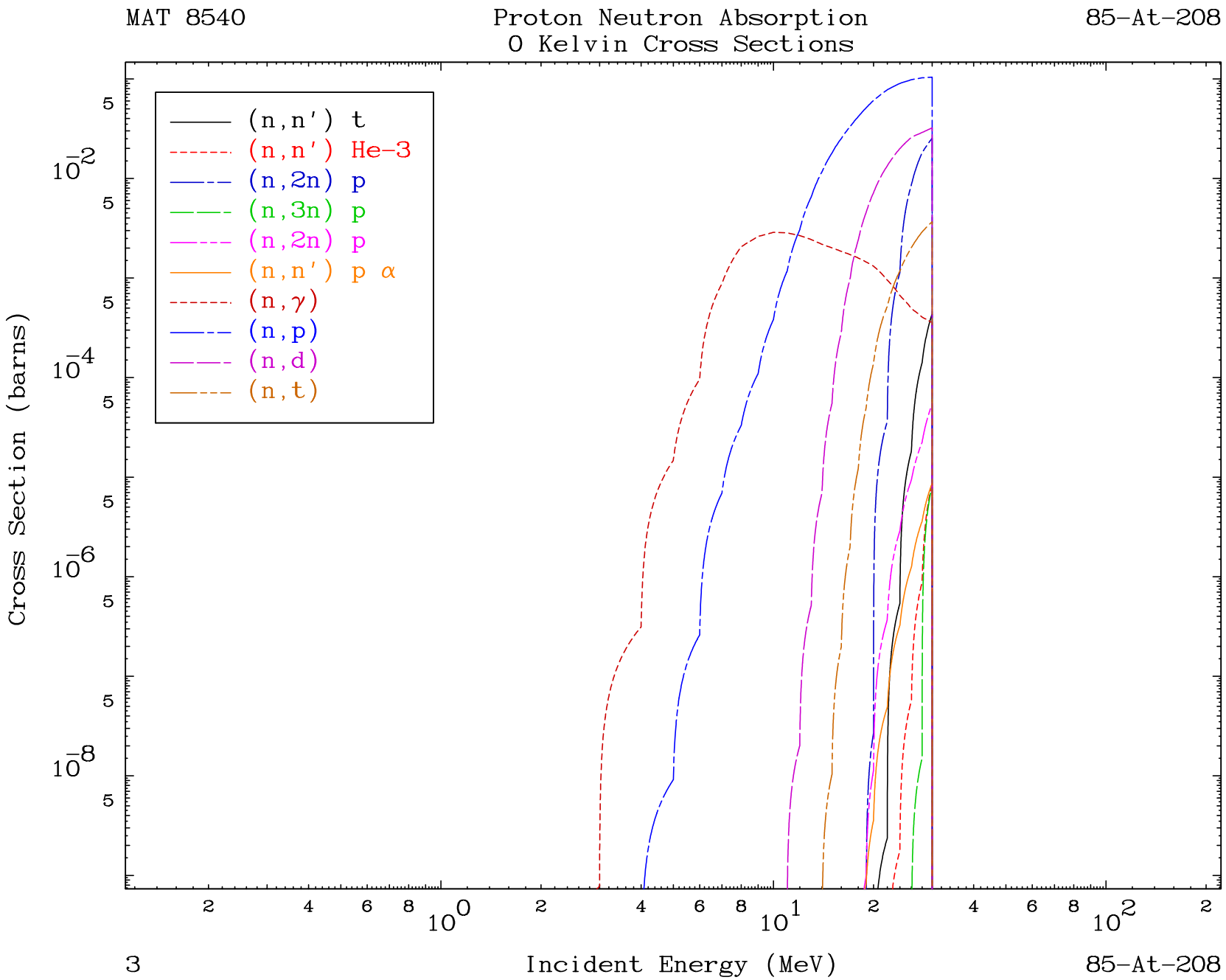
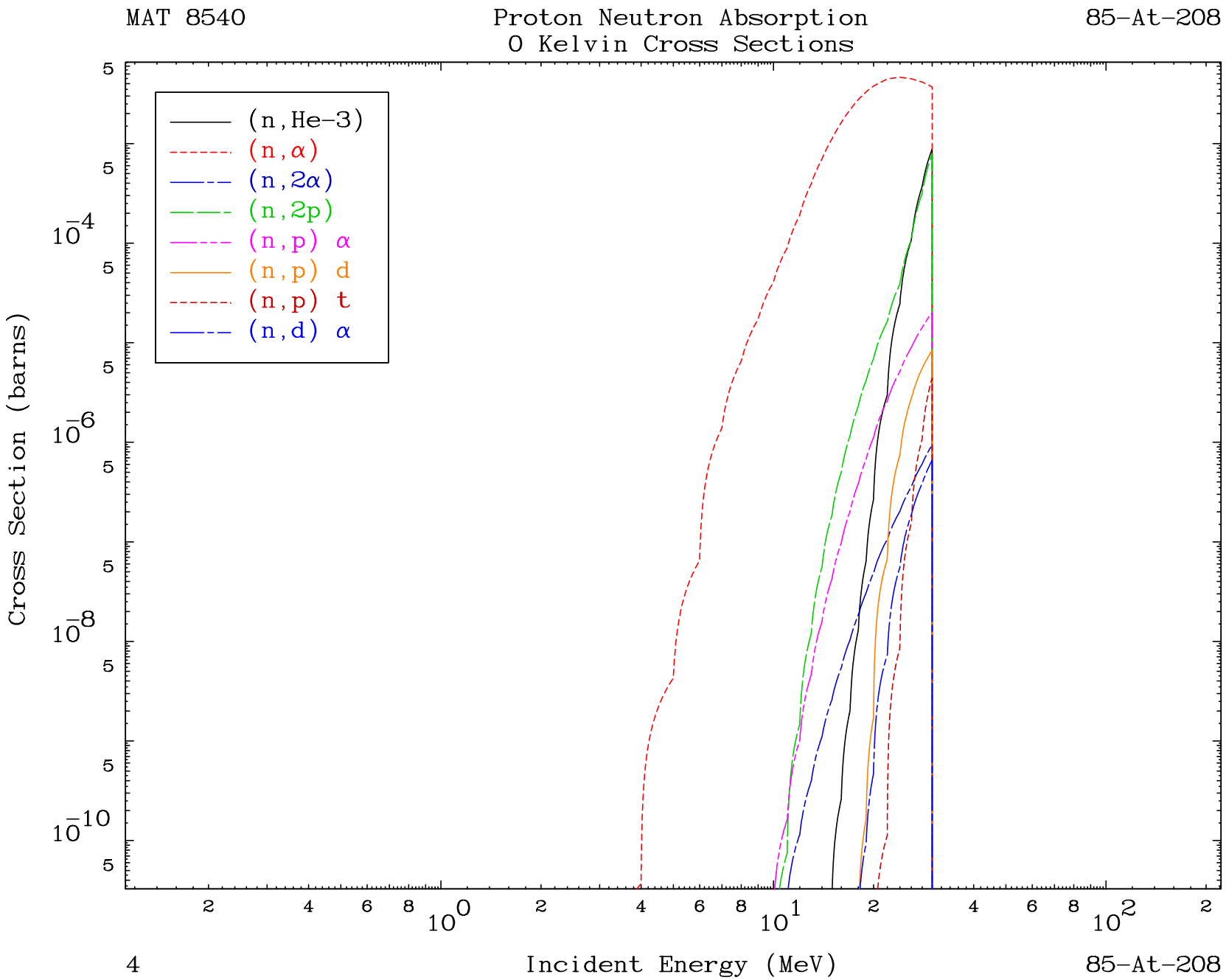
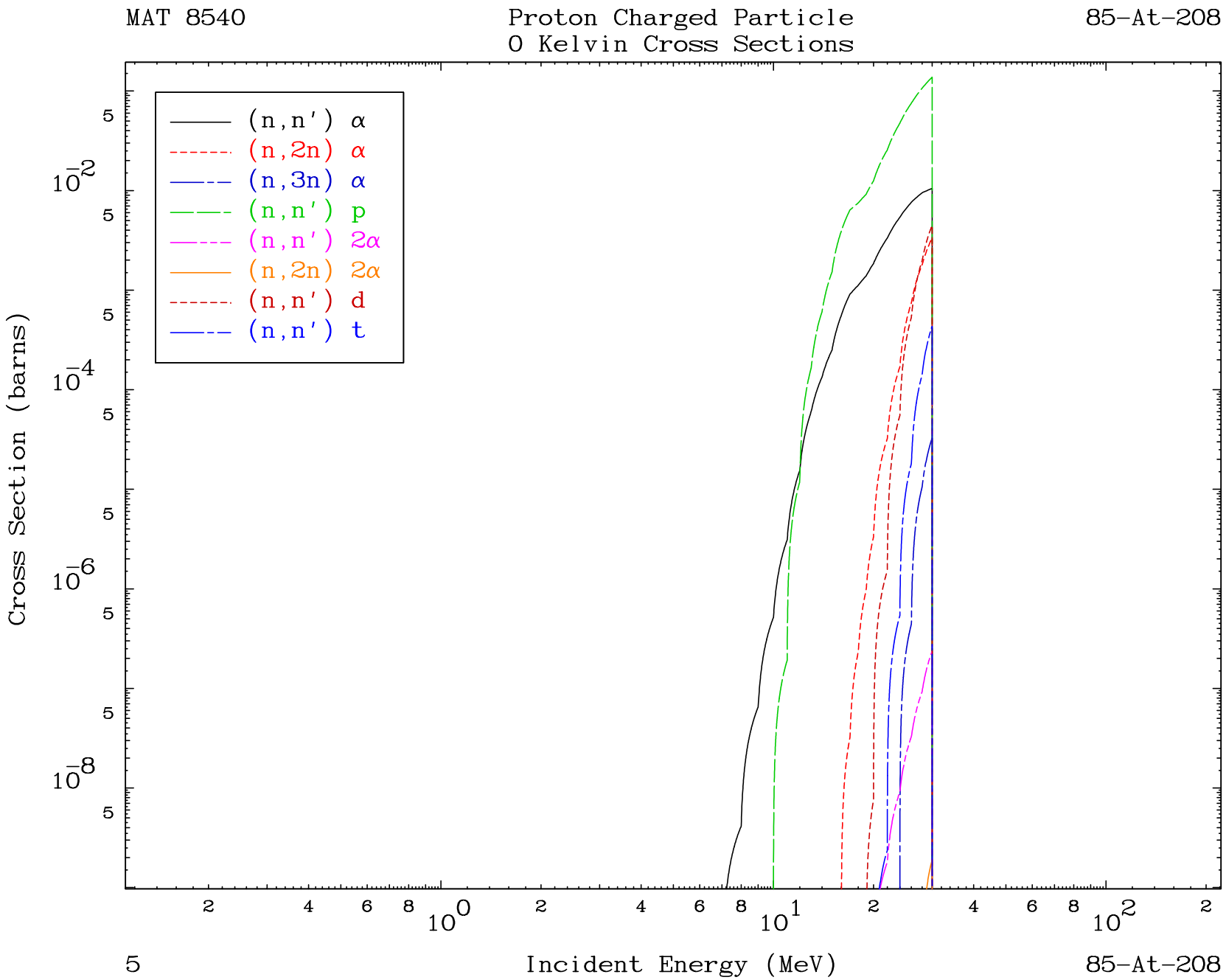
Press Mouse Button to Start

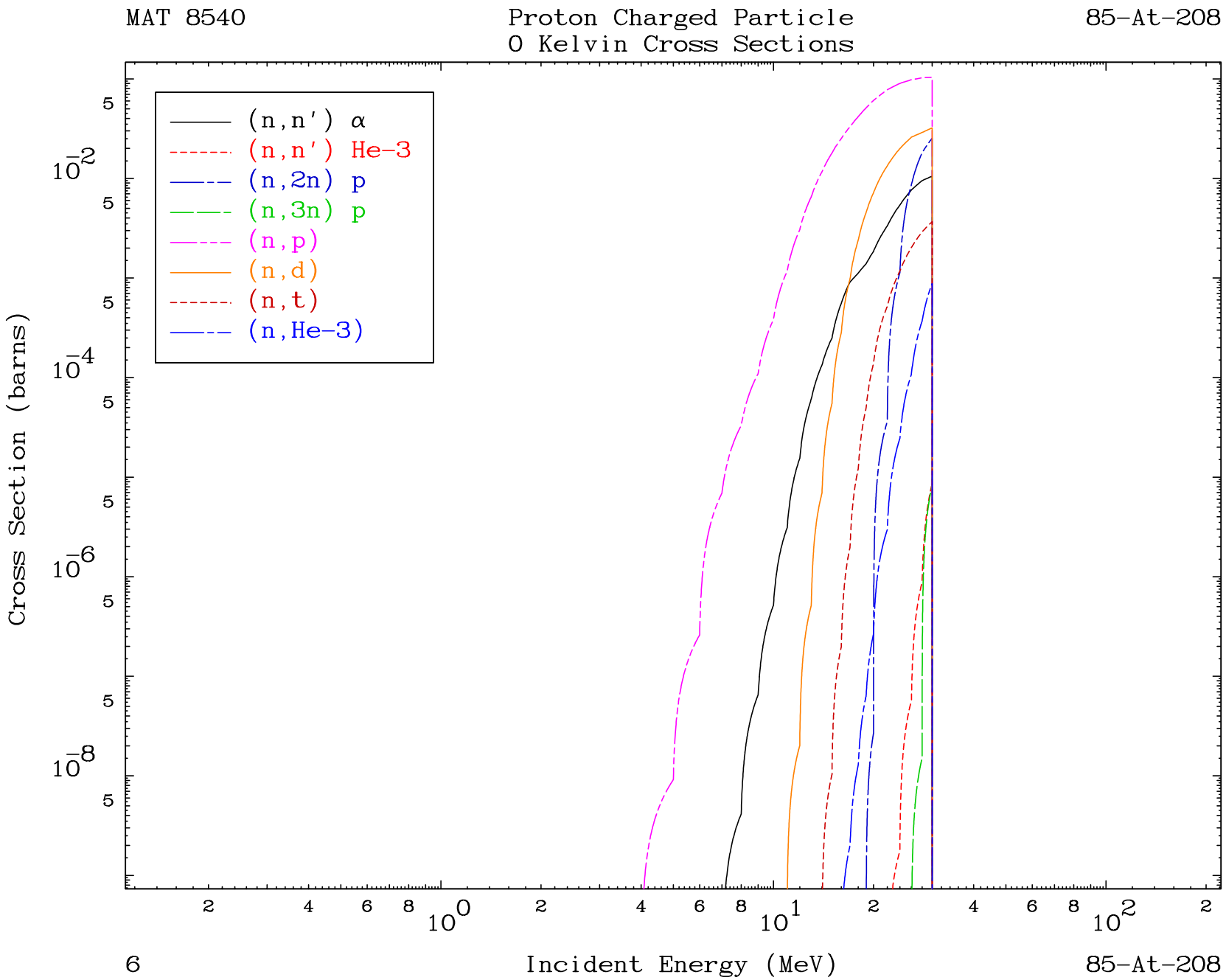

MAT 8540
Proton Major
85-At-208
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
85-At-208
1

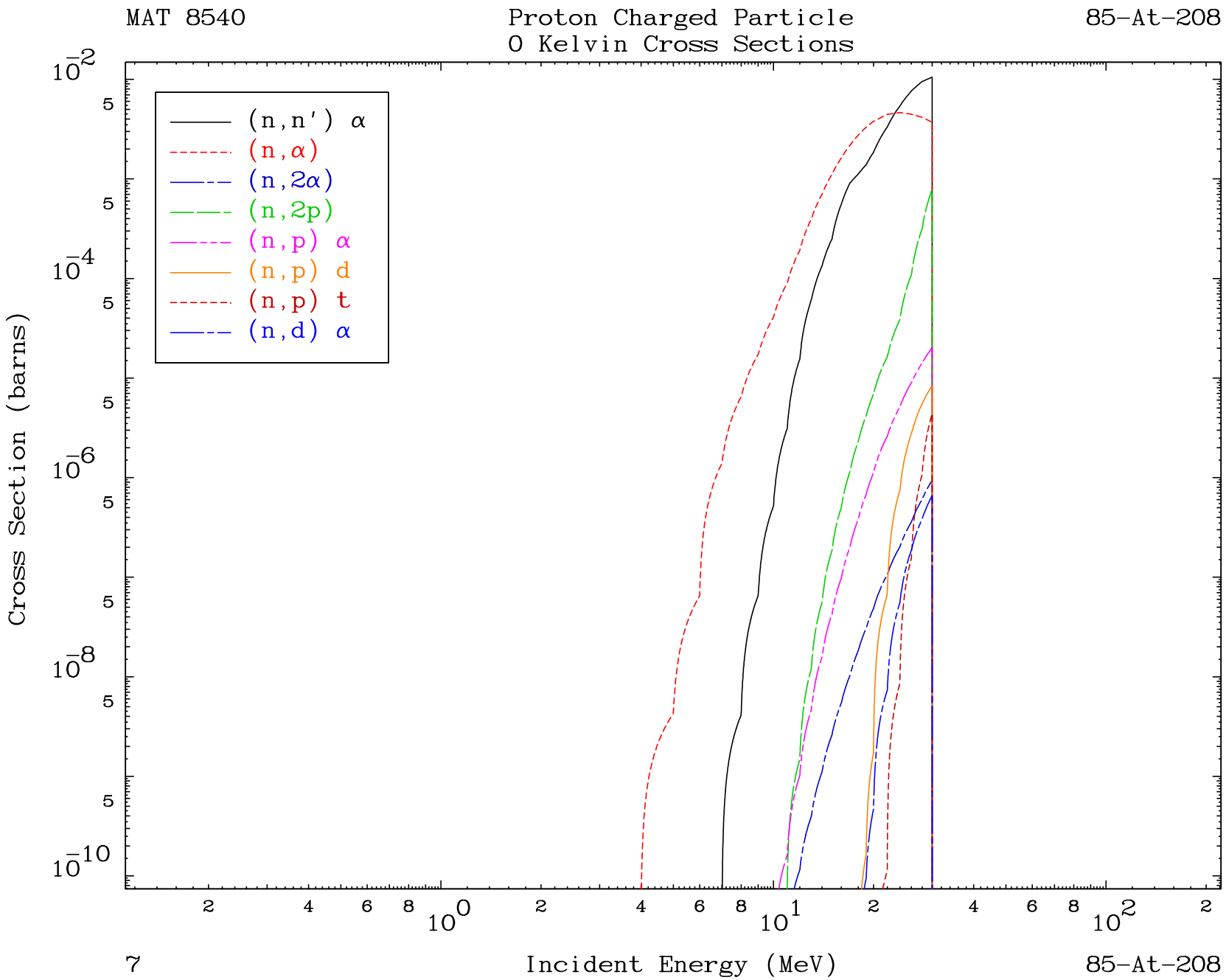

MAT 8540
Proton Neutron Absorption
0 Kelvin Cross Sections
85-At-208
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
85-At-208

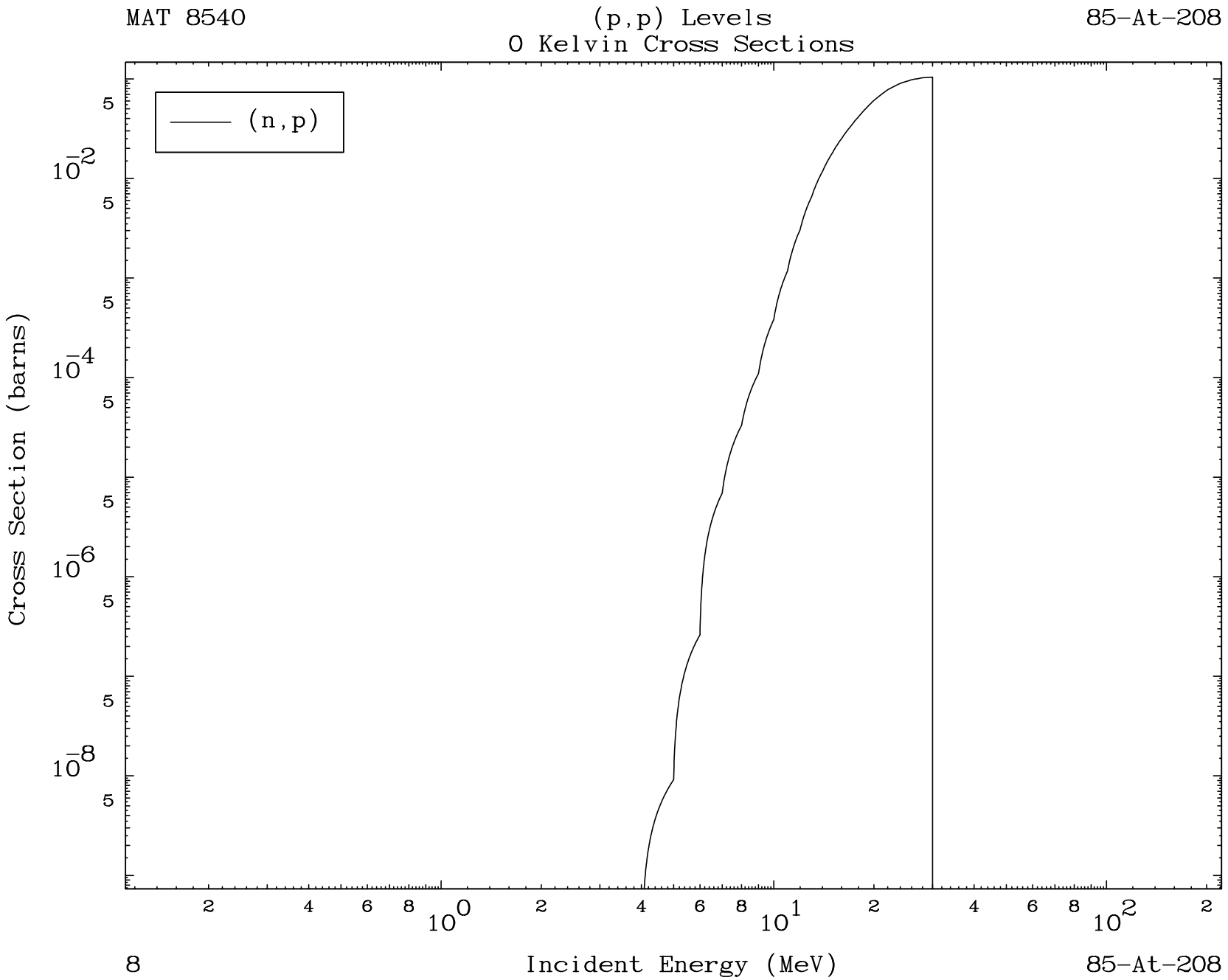

MAT 8540
Proton Neutron Absorption
0 Kelvin Cross Sections
85-At-208
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
85-At-208

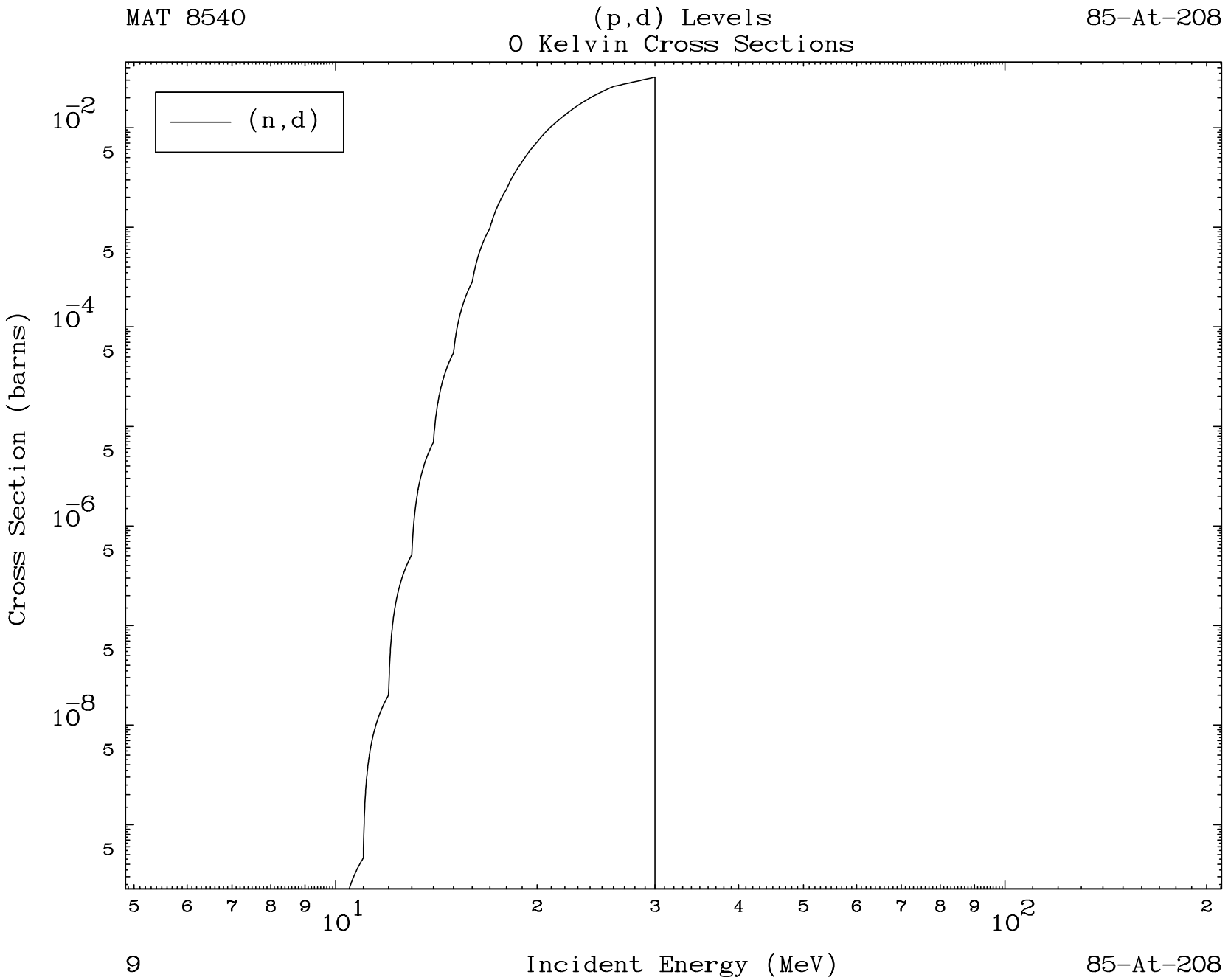

MAT 8540
Proton Neutron Absorption
0 Kelvin Cross Sections
85-At-208
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
85-At-208

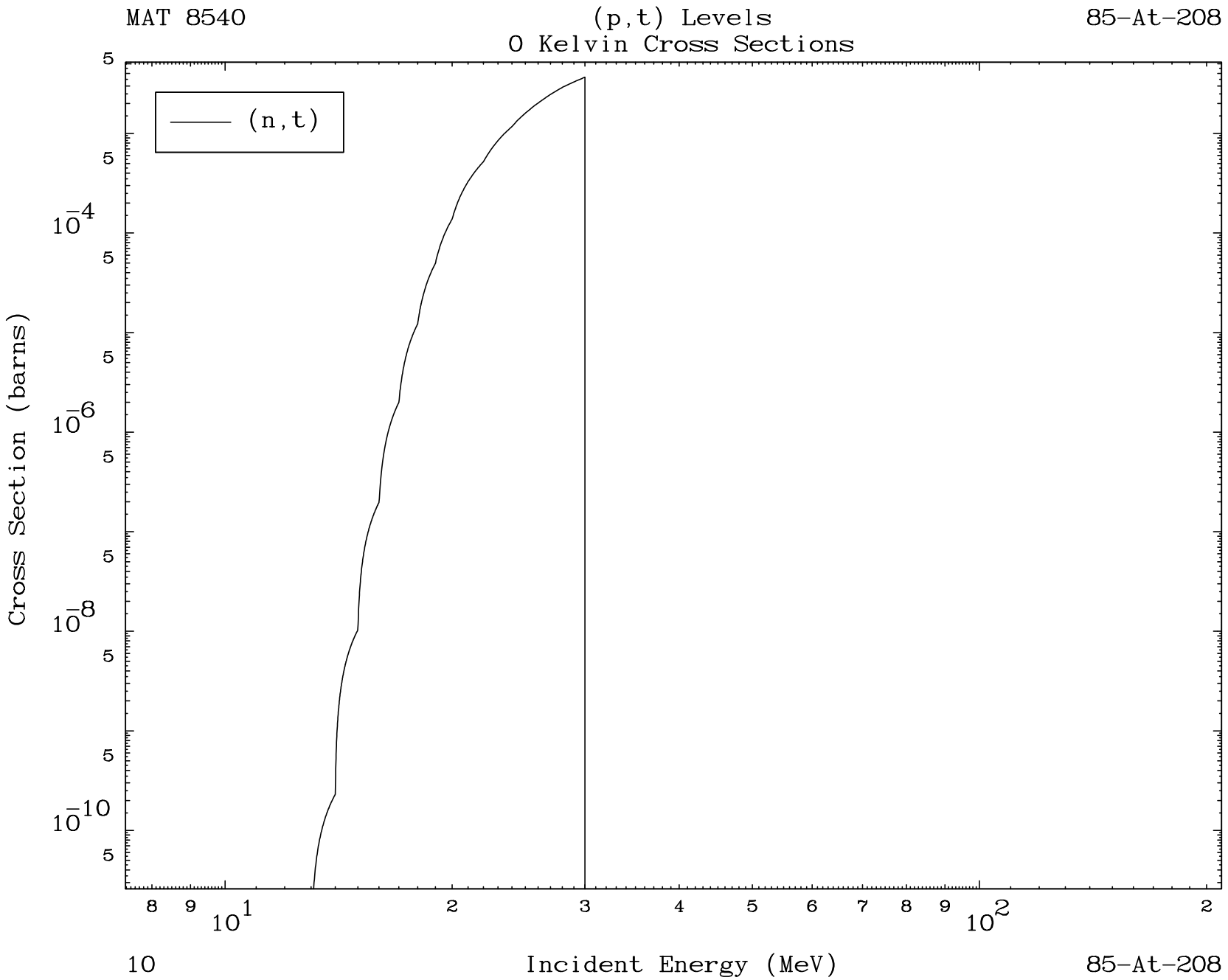

MAT 8540
Proton Charged Particle
0 Kelvin Cross Sections
85-At-208
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
101
102
Incident Energy (MeV)
85-At-208

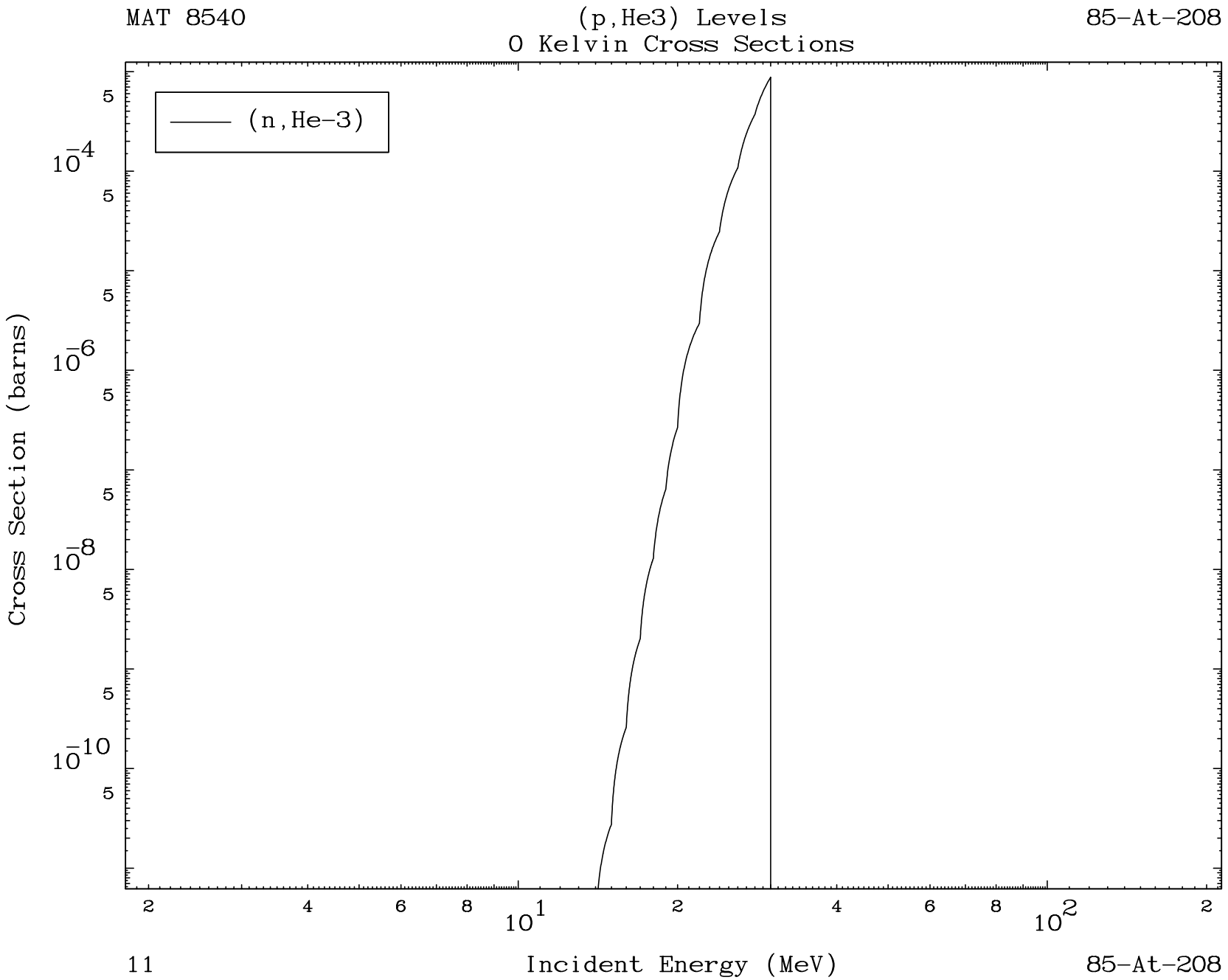

MAT 8540
Proton Charged Particle
0 Kelvin Cross Sections
85-At-208
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
85-At-208

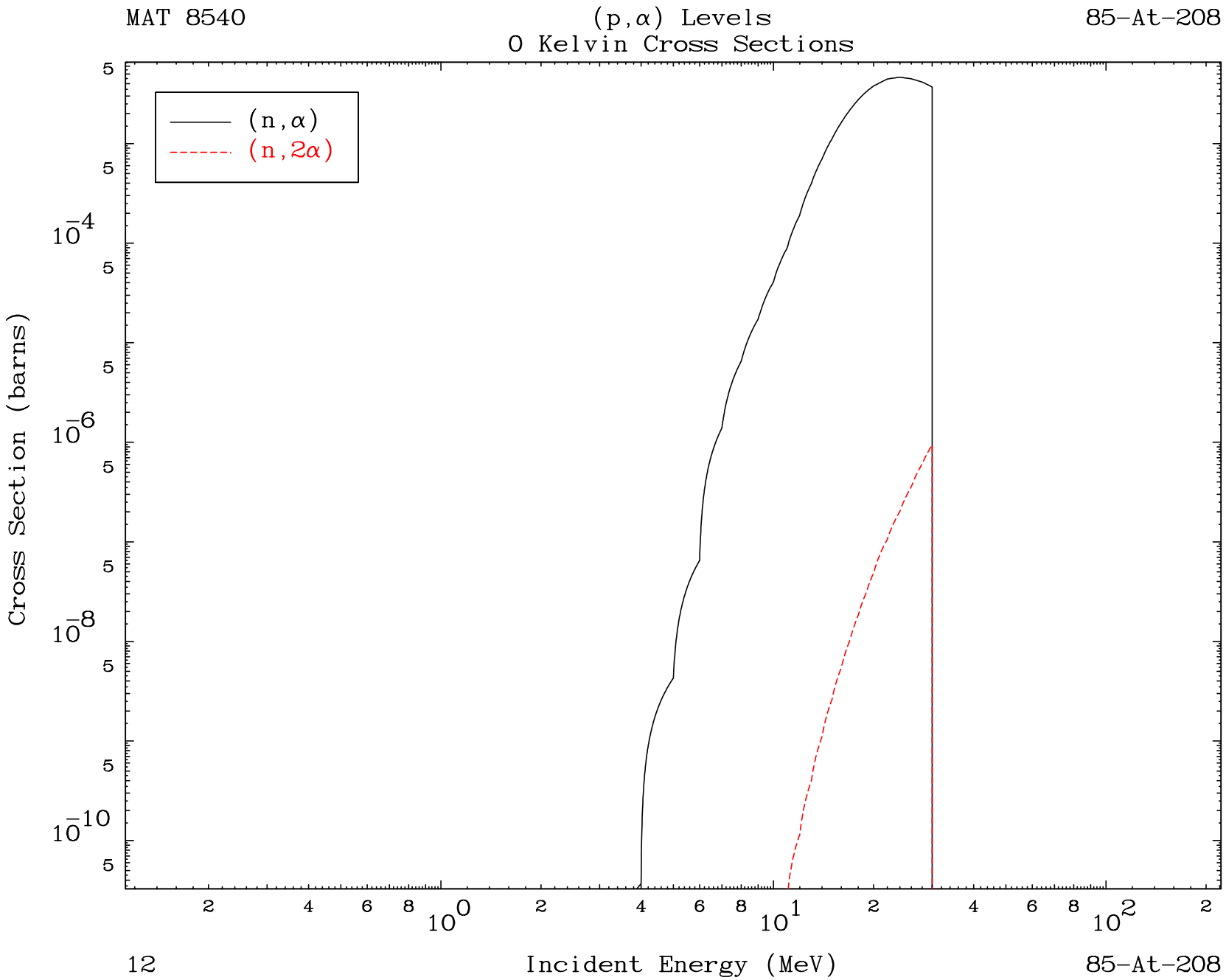

MAT 8540
Proton Charged Particle
0 Kelvin Cross Sections
85-At-208
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
85-At-208

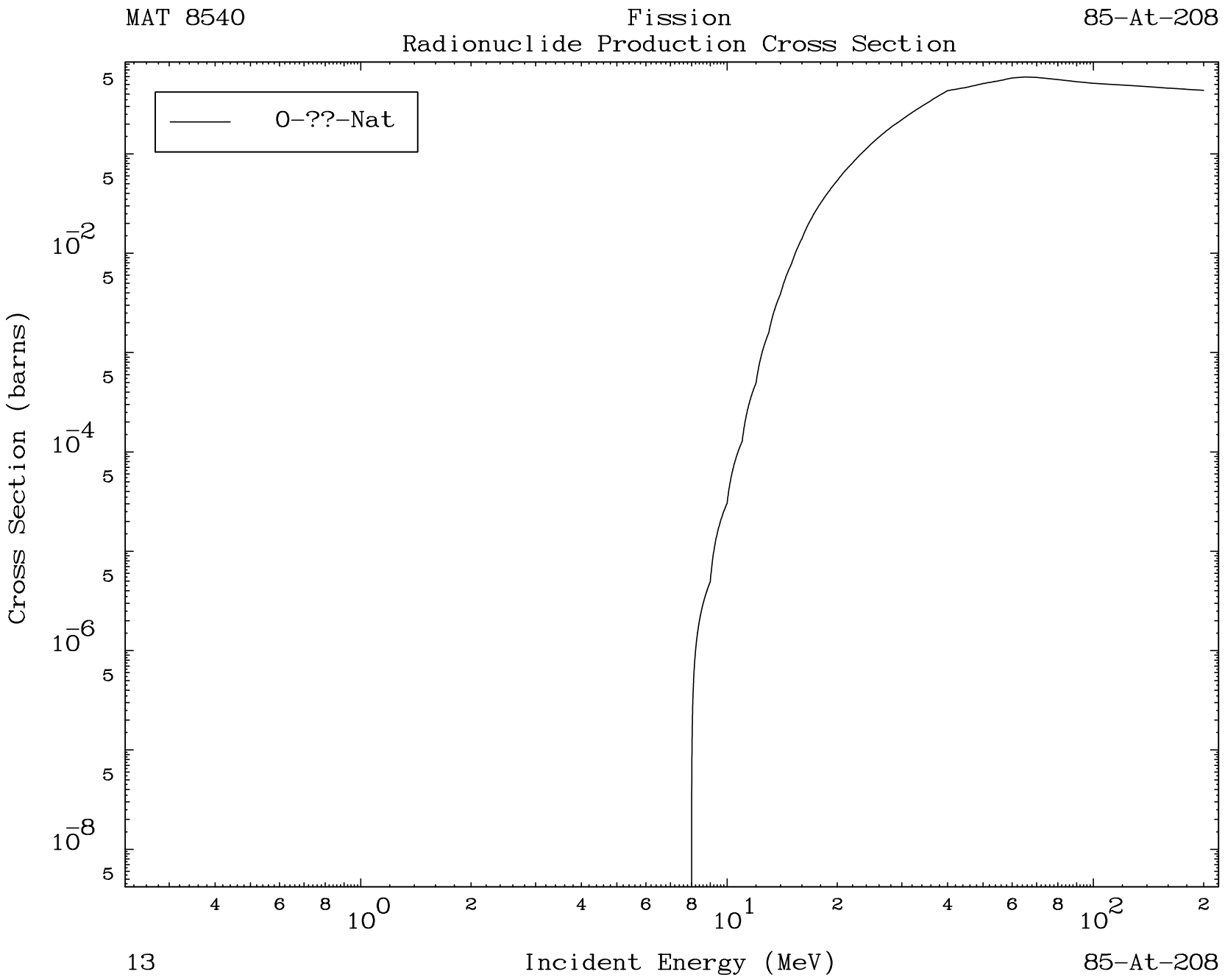

MAT 8540
(p,p) Levels
85-At-208
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
85-At-208

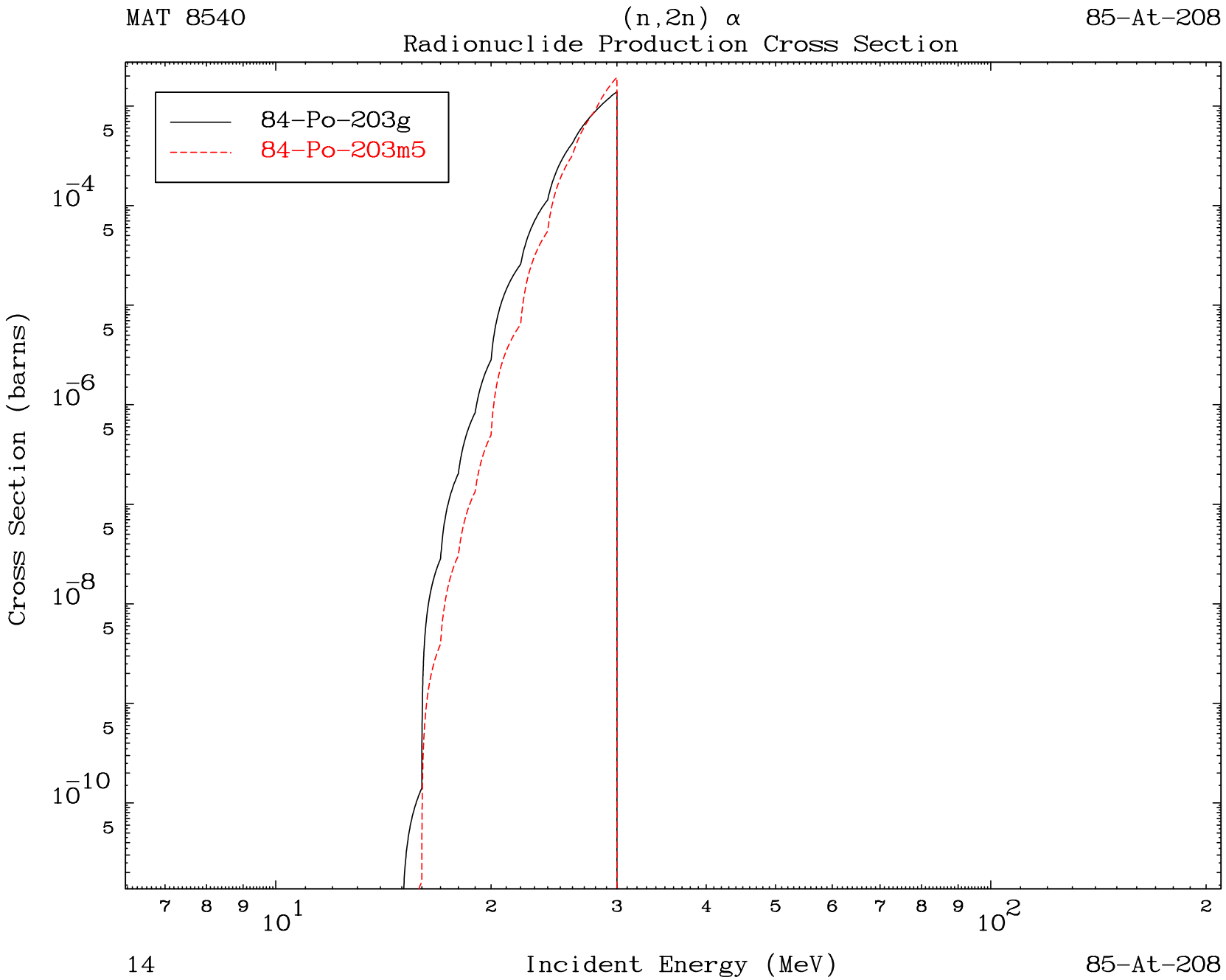

MAT 8540
(p,d) Levels
85-At-208
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
9
85-At-208

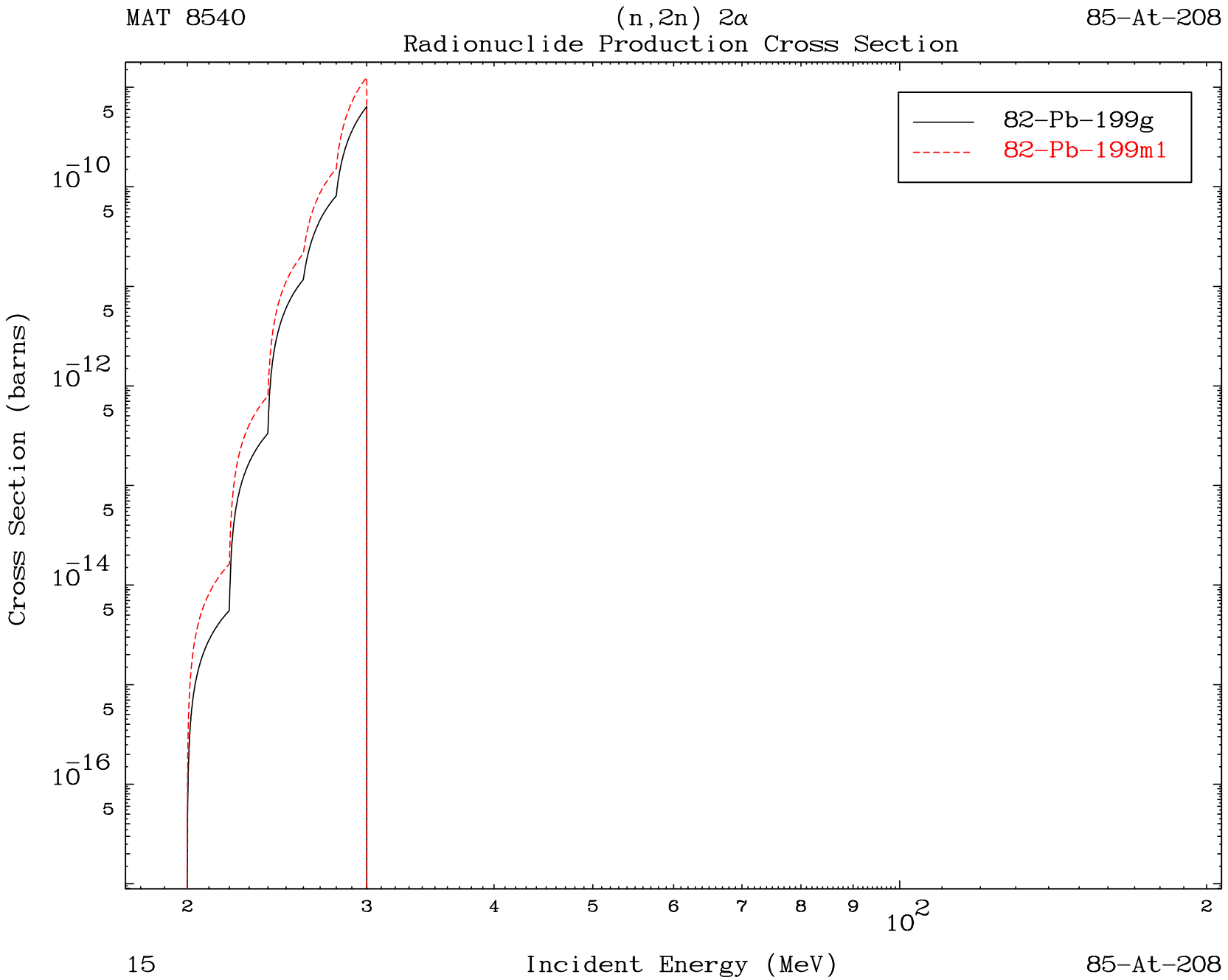

MAT 8540
(p,t) Levels
85-At-208
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
85-At-208

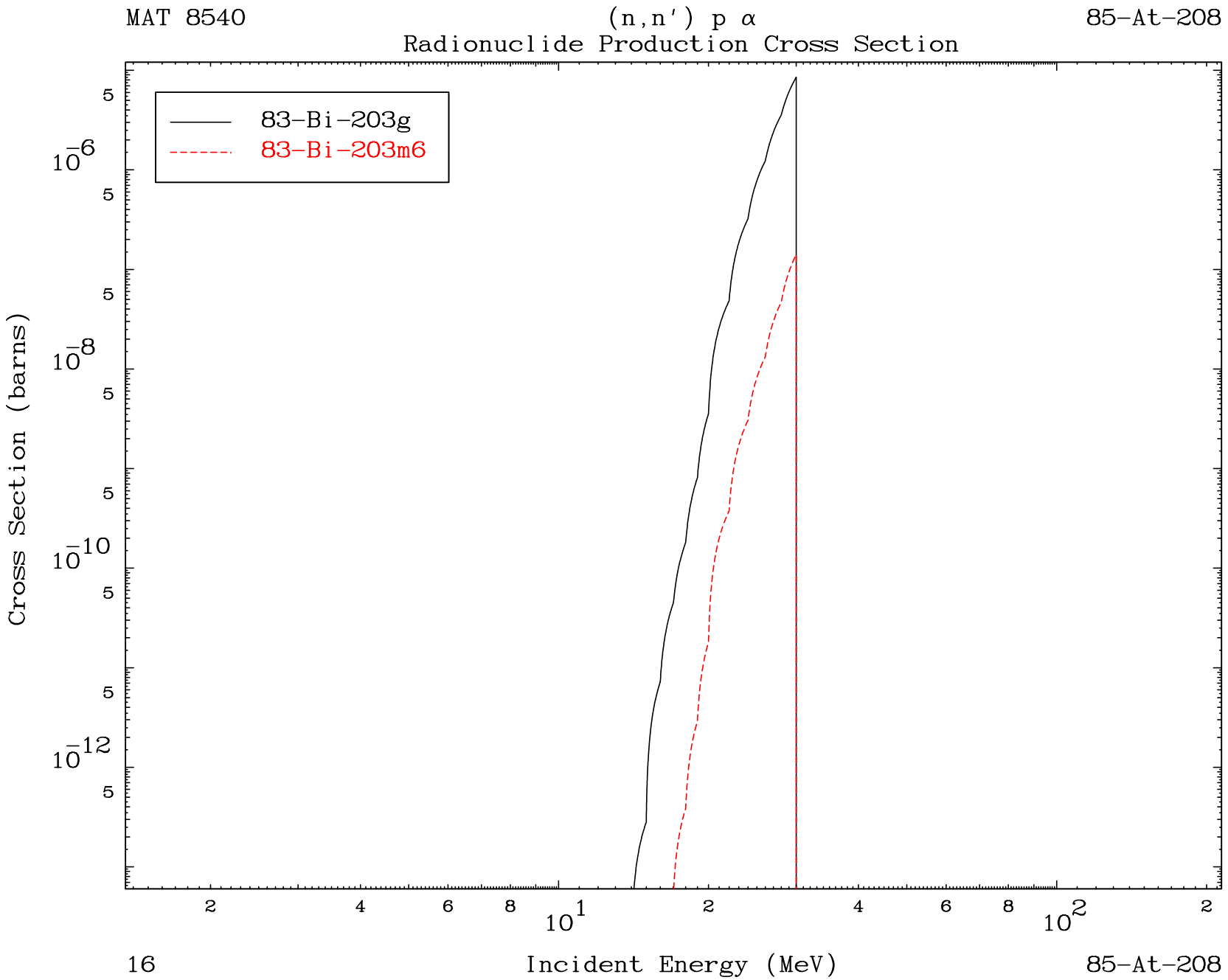

MAT 8540
(p,He3) Levels
85-At-208
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
4
6
8
10^1
10^2
11
Incident Energy (MeV)
85-At-208

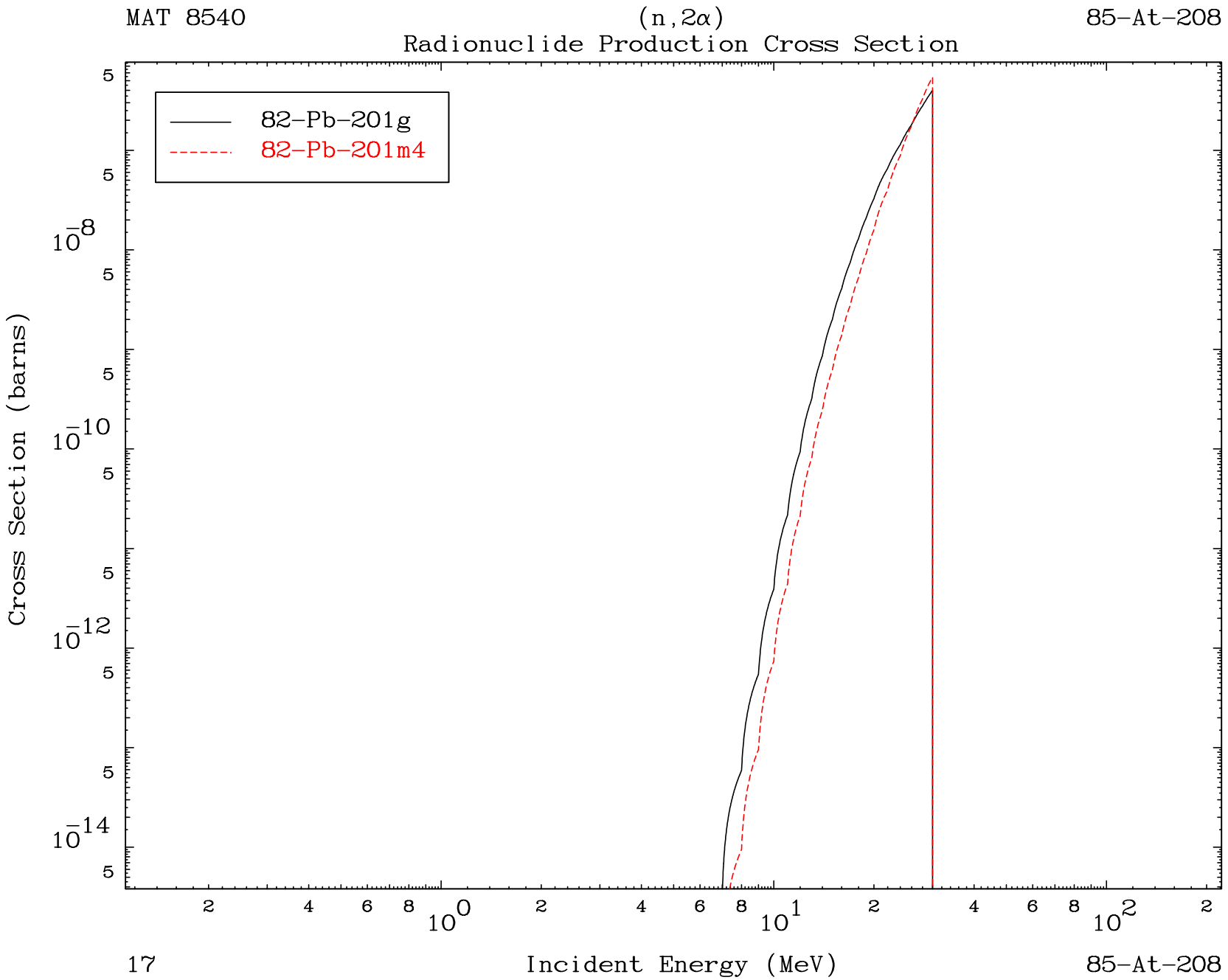

MAT 8540
(p,α) Levels
85-At-208
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
85-At-208

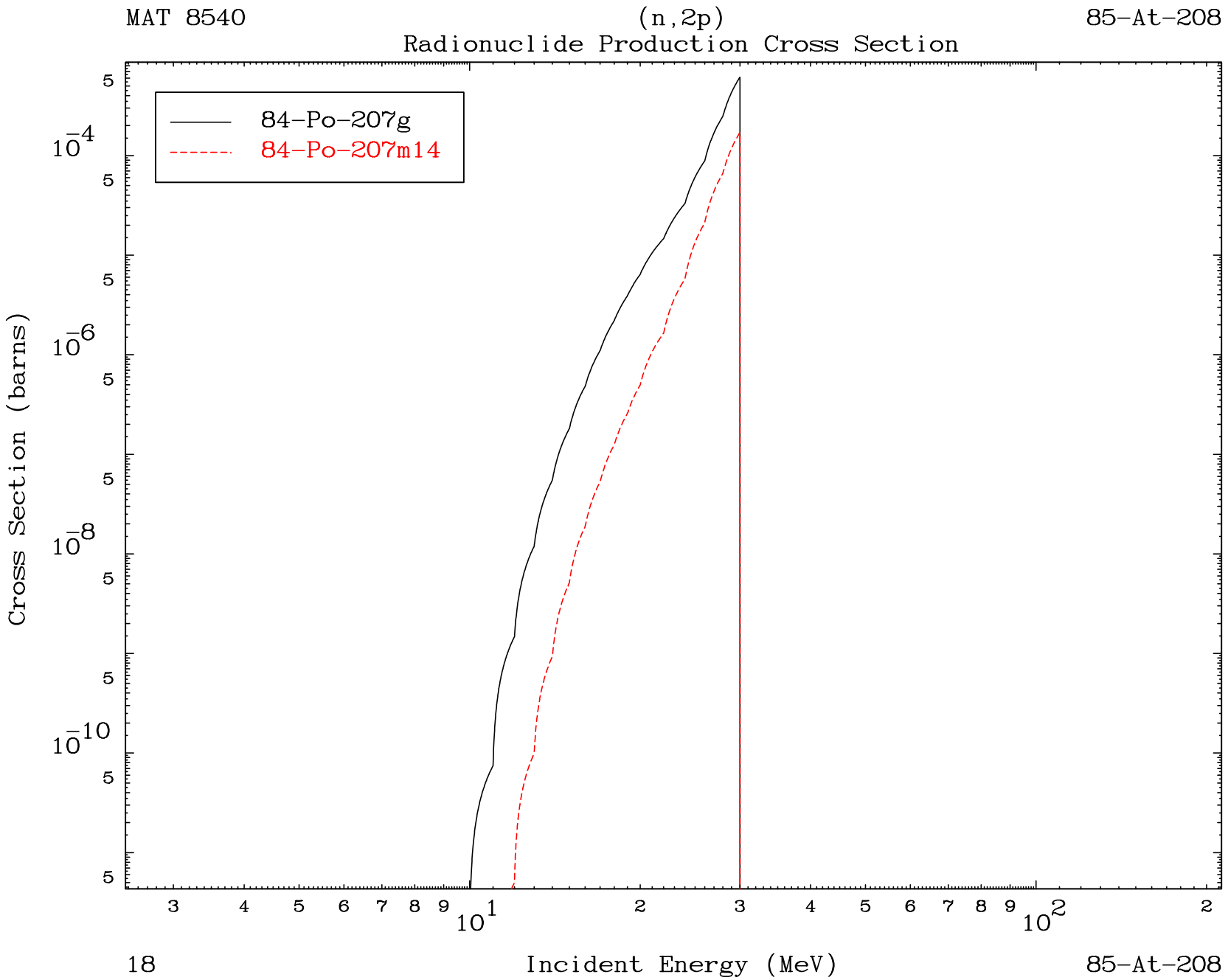

MAT 8540
Fission
85-At-208
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
13
85-At-208

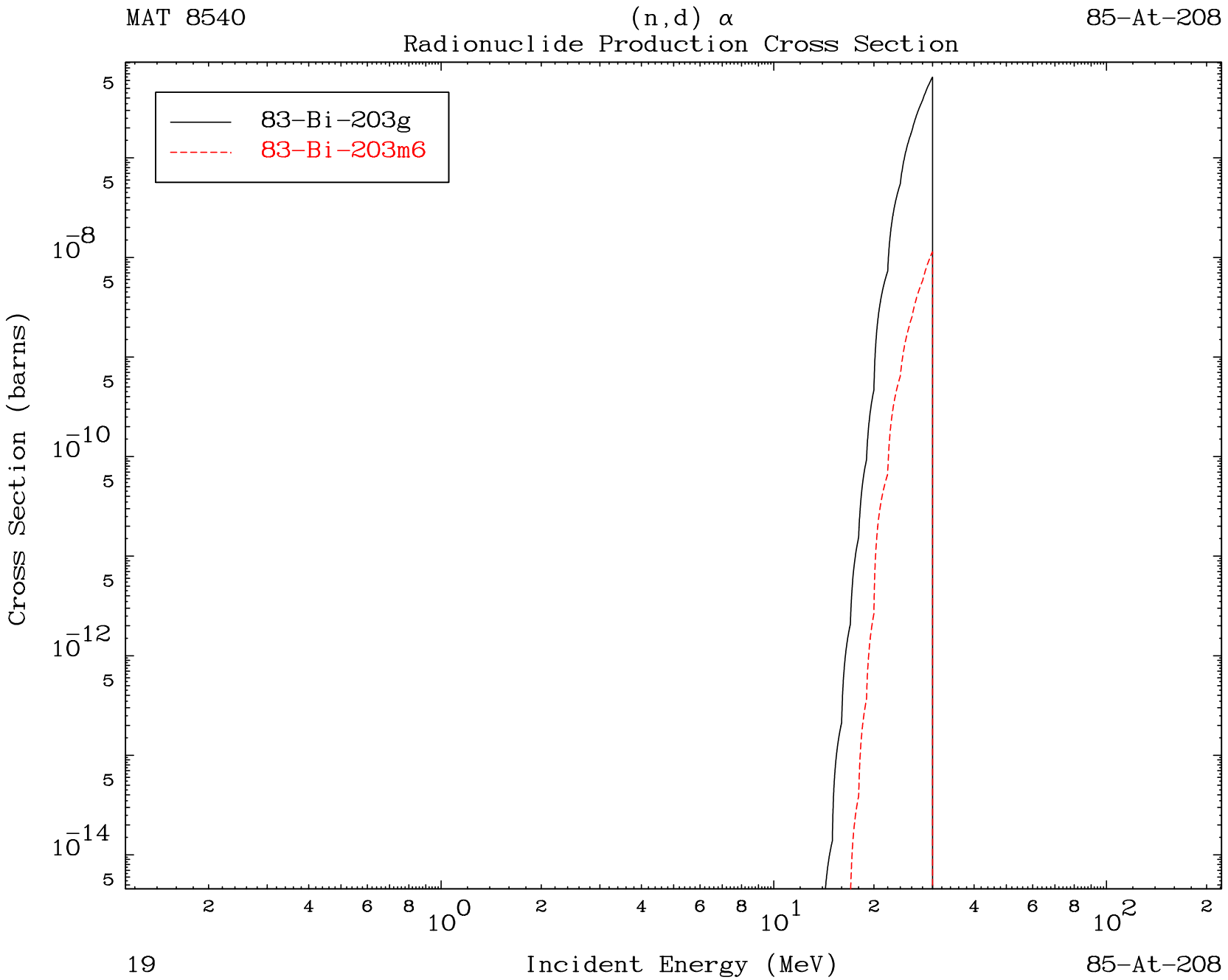

MAT 8540
(n,2n) α
85-At-208
Radionuclide Production Cross Section
84-Po-203g
84-Po-203m5
Cross Section (barns)
10-4
10-6
10-8
10-10
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
14
Incident Energy (MeV)
85-At-208


MAT 8540
(n,2n) 2α
85-At-208
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
85-At-208


MAT 8540
(n,n') p α
85-At-208
Radionuclide Production Cross Section
83-Bi-203g
83-Bi-203m6
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
4
6
8
10^1
10^2
16
Incident Energy (MeV)
85-At-208


MAT 8540
(n,2α)
85-At-208
Radionuclide Production Cross Section
82-Pb-201g
82-Pb-201m4
Cross Section (barns)
Incident Energy (MeV)
17
85-At-208


MAT 8540
(n,2p)
85-At-208
Radionuclide Production Cross Section
84-Po-207g
84-Po-207m14
Cross Section (barns)
Incident Energy (MeV)
18
85-At-208


MAT 8540
(n,d) α
85-At-208
Radionuclide Production Cross Section
83-Bi-203g
83-Bi-203m6
Cross Section (barns)
Incident Energy (MeV)
19
85-At-208