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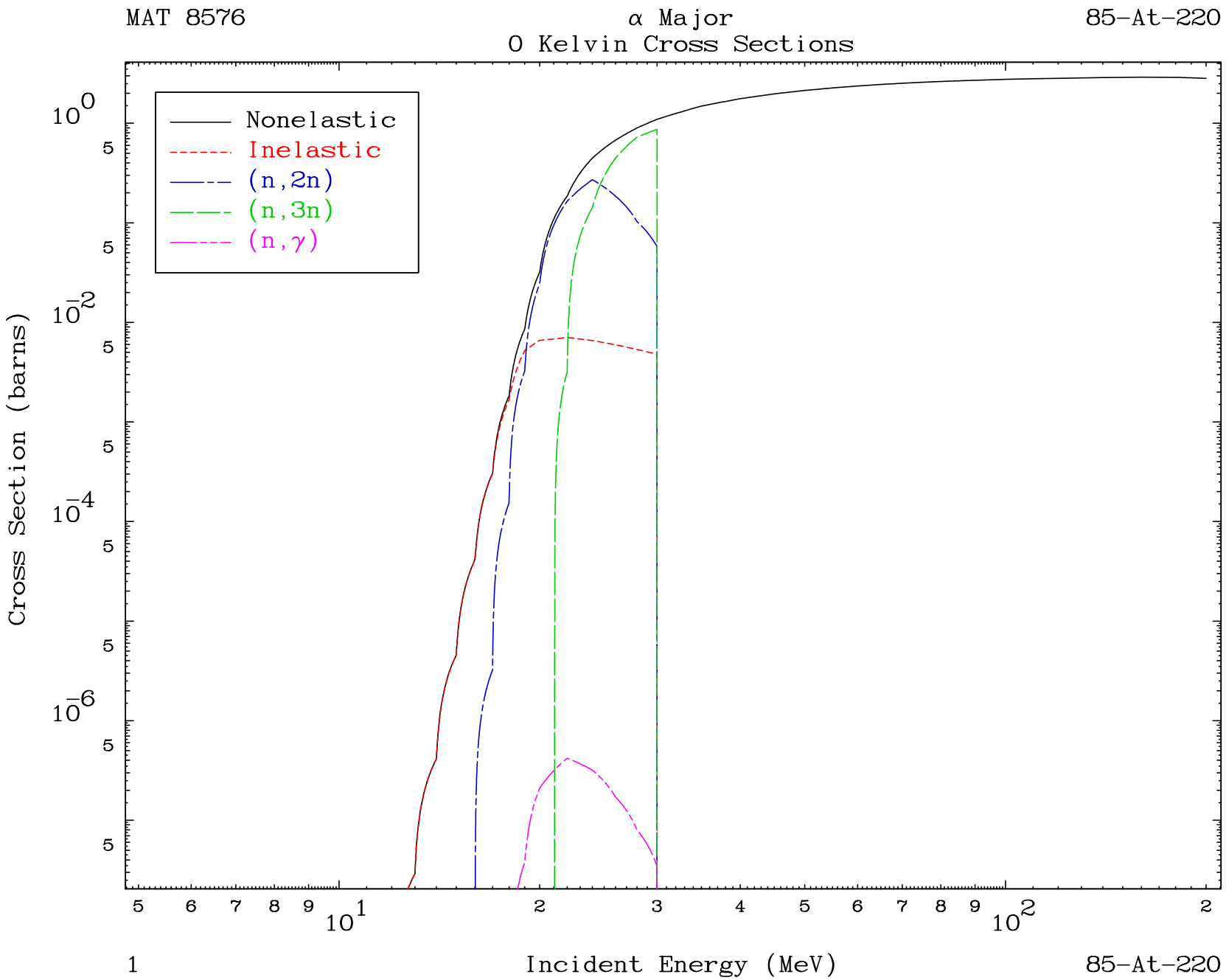
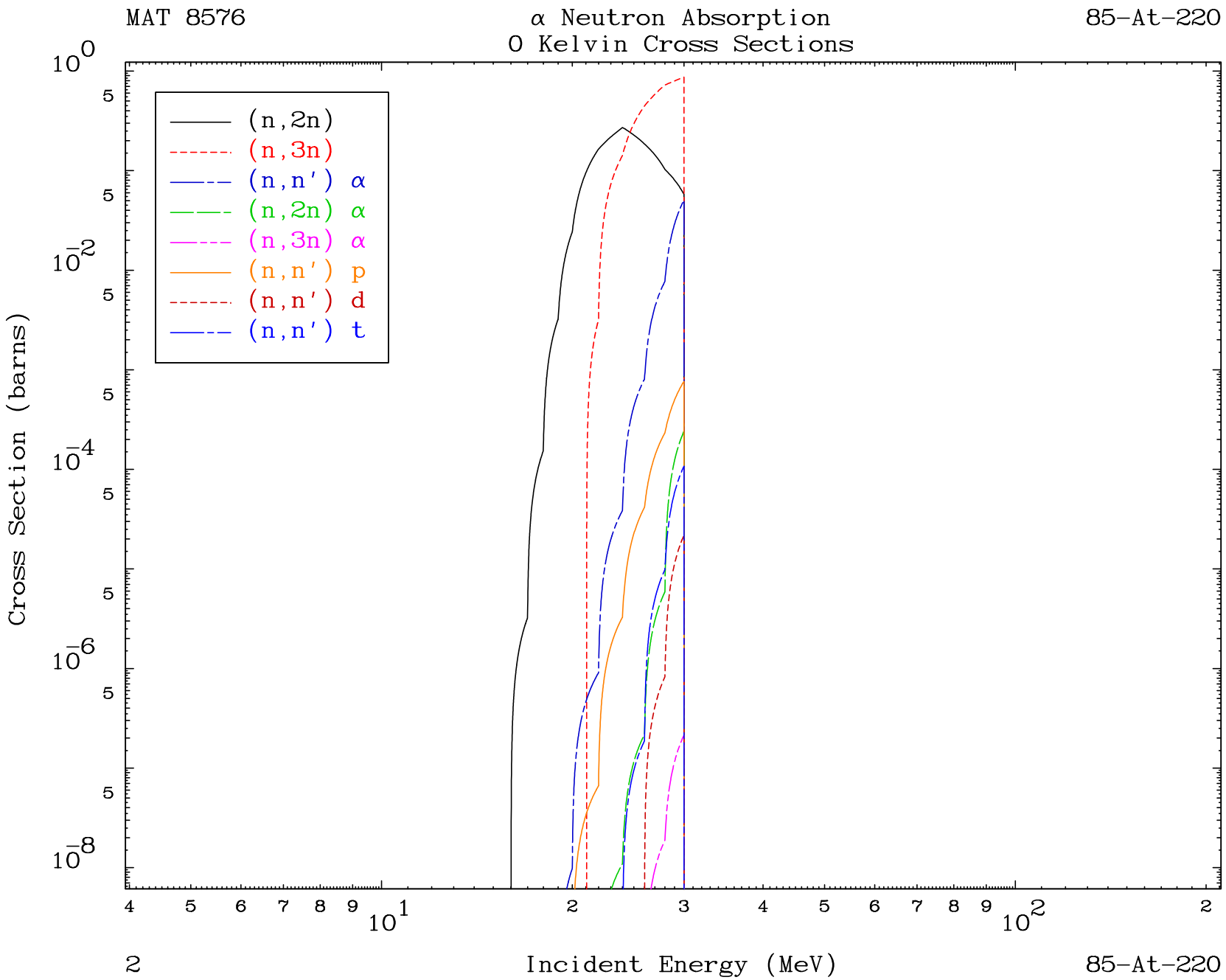
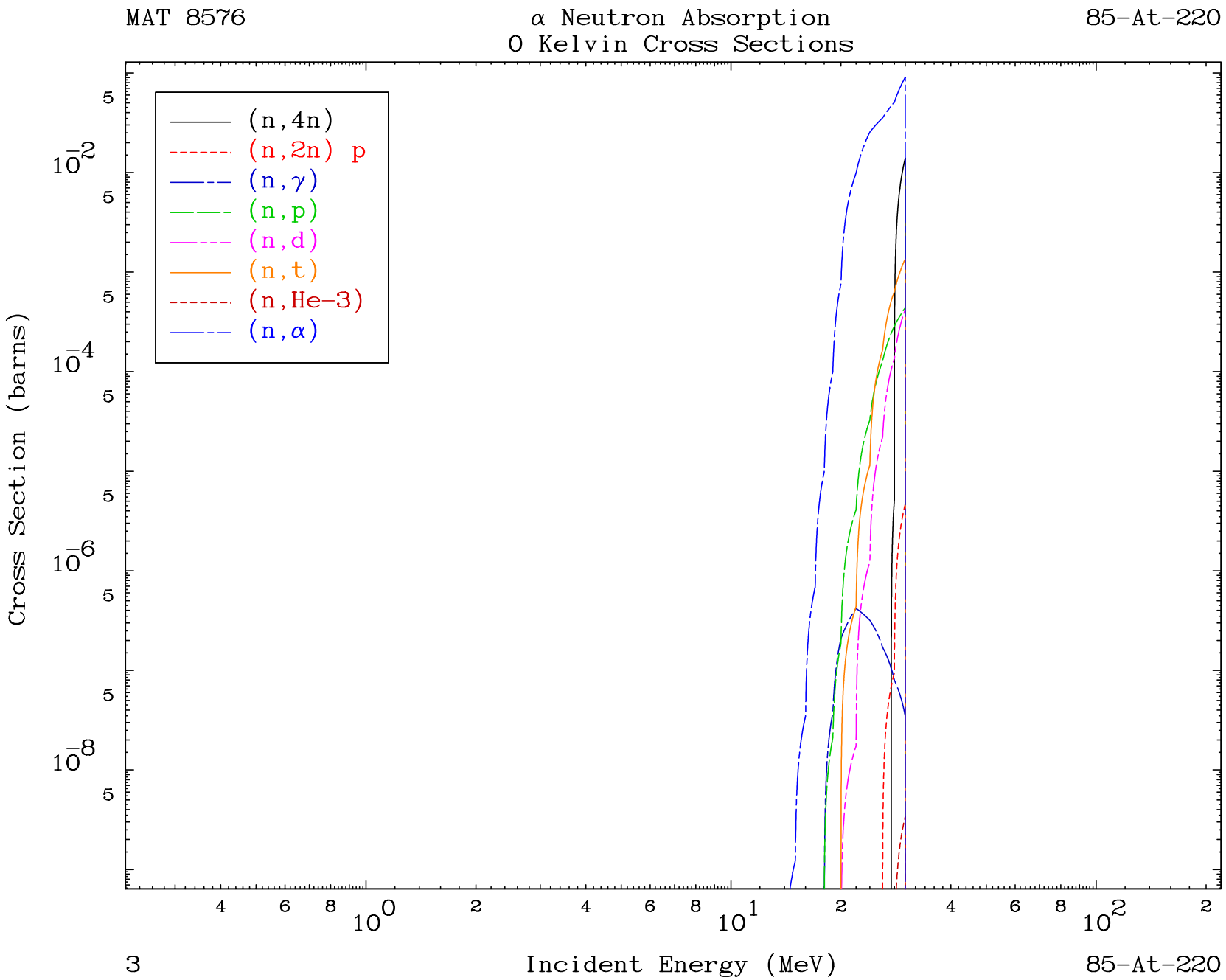
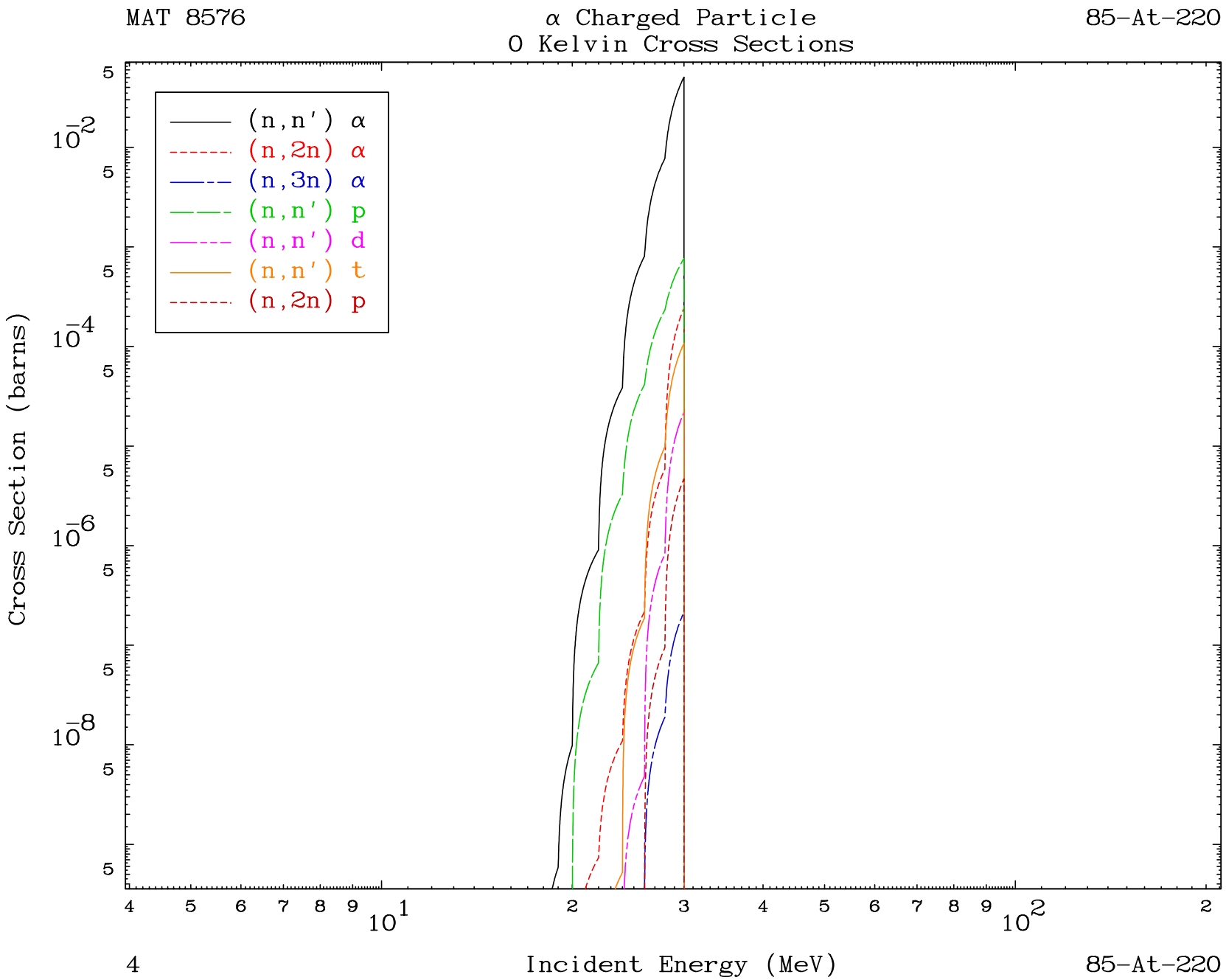
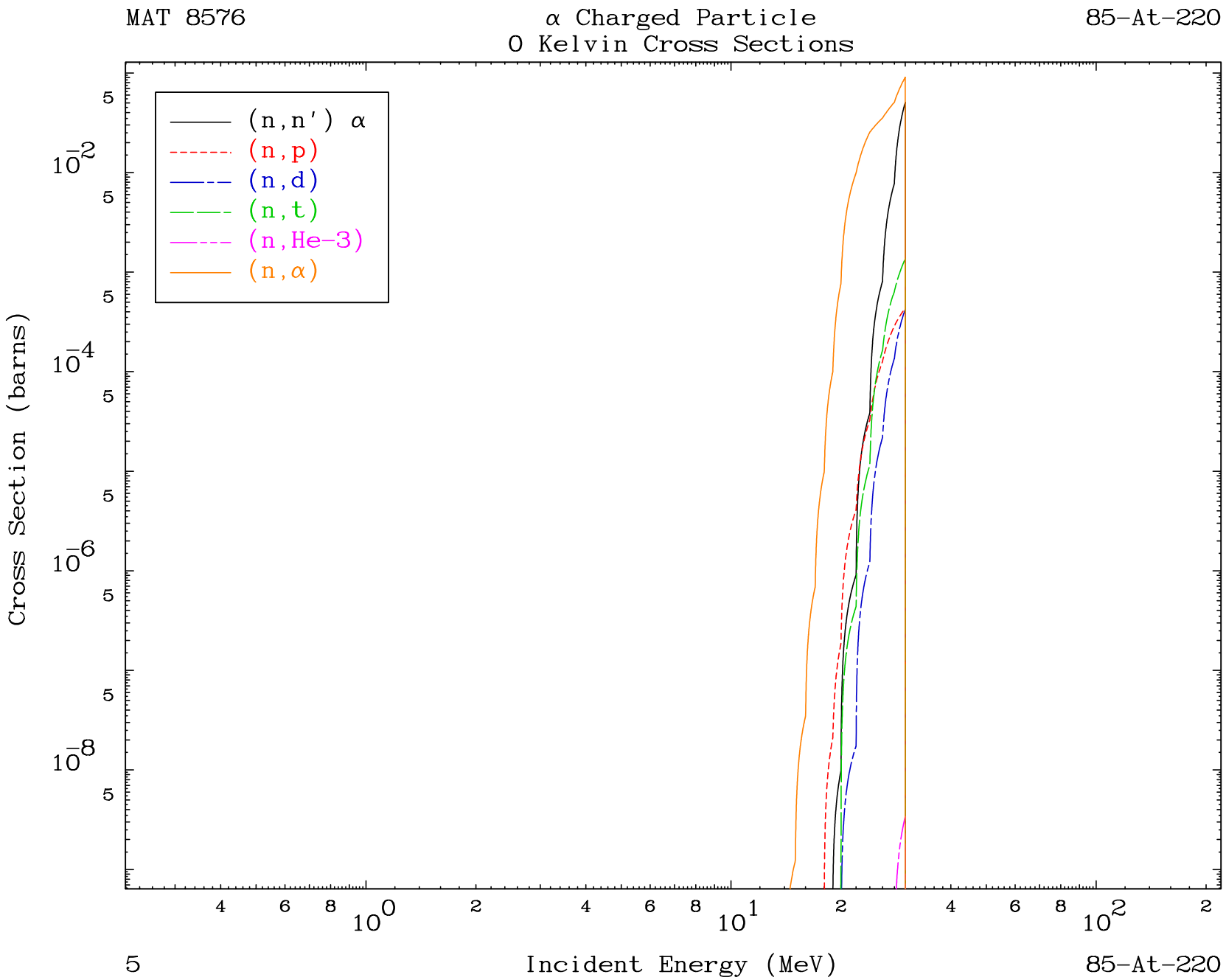
Press Mouse Button to Start

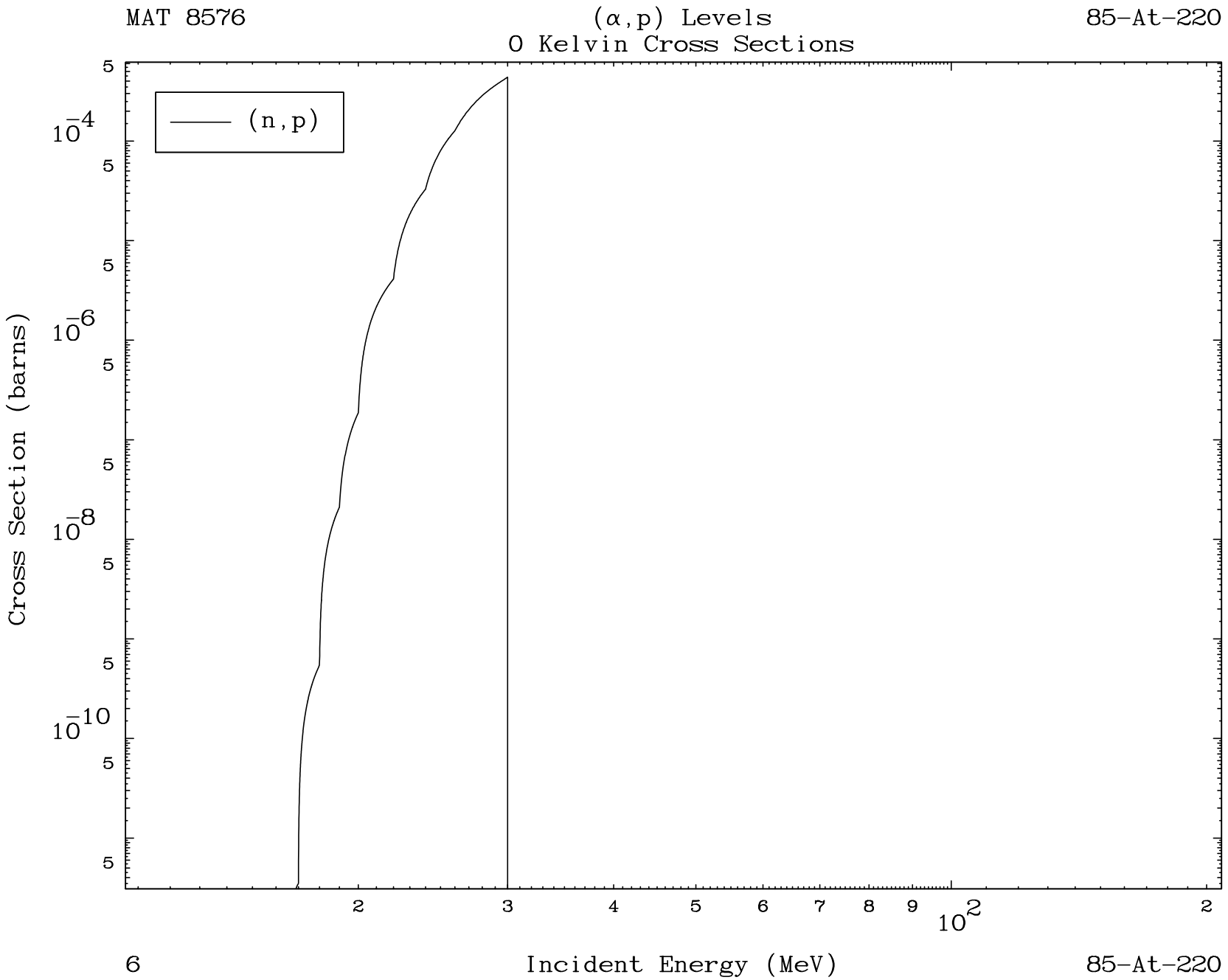

MAT 8576
α Major
85-At-220
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
85-At-220

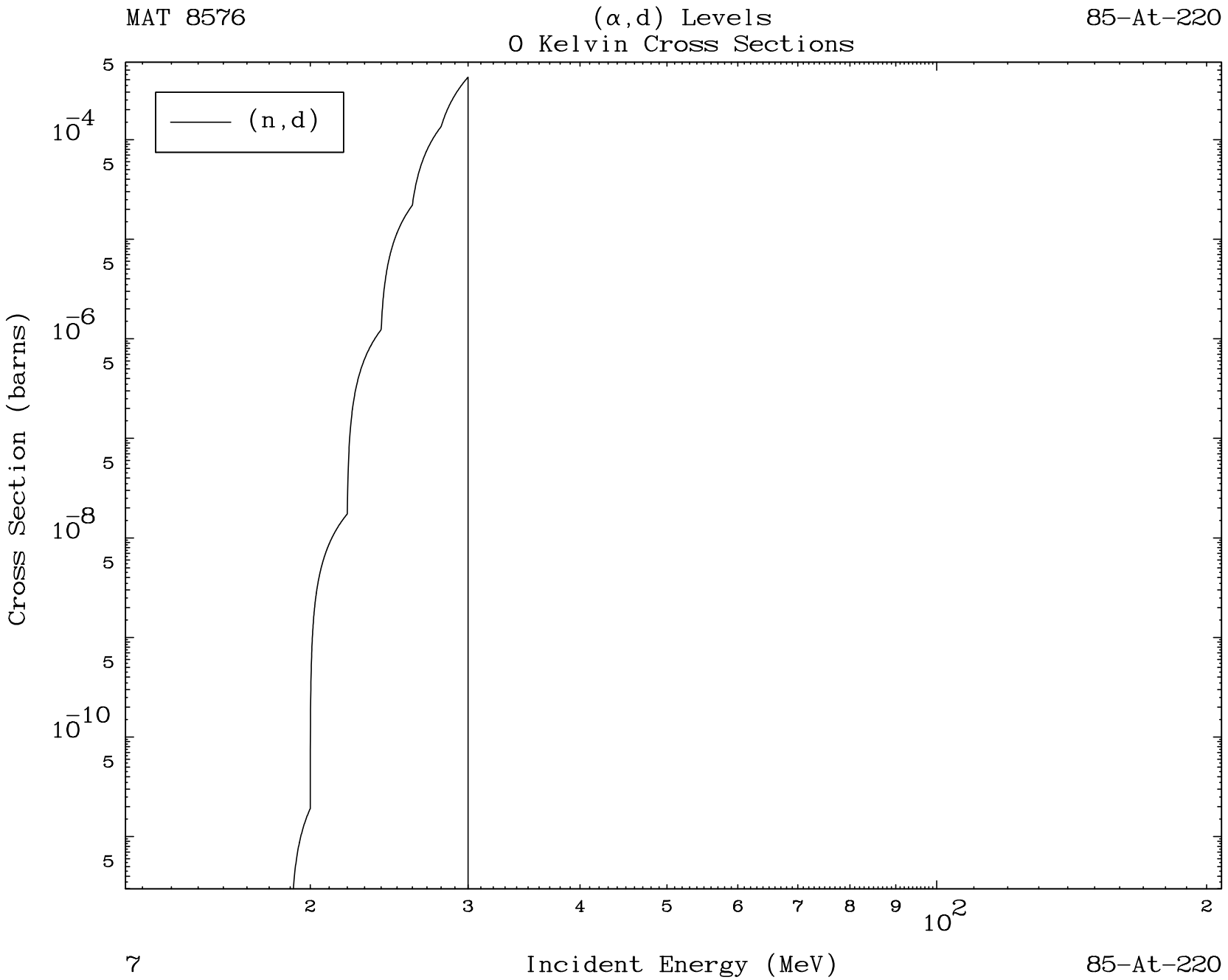

MAT 8576
α Neutron Absorption
0 Kelvin Cross Sections
85-At-220
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
85-At-220


MAT 8576
α Neutron Absorption
0 Kelvin Cross Sections
85-At-220
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
85-At-220

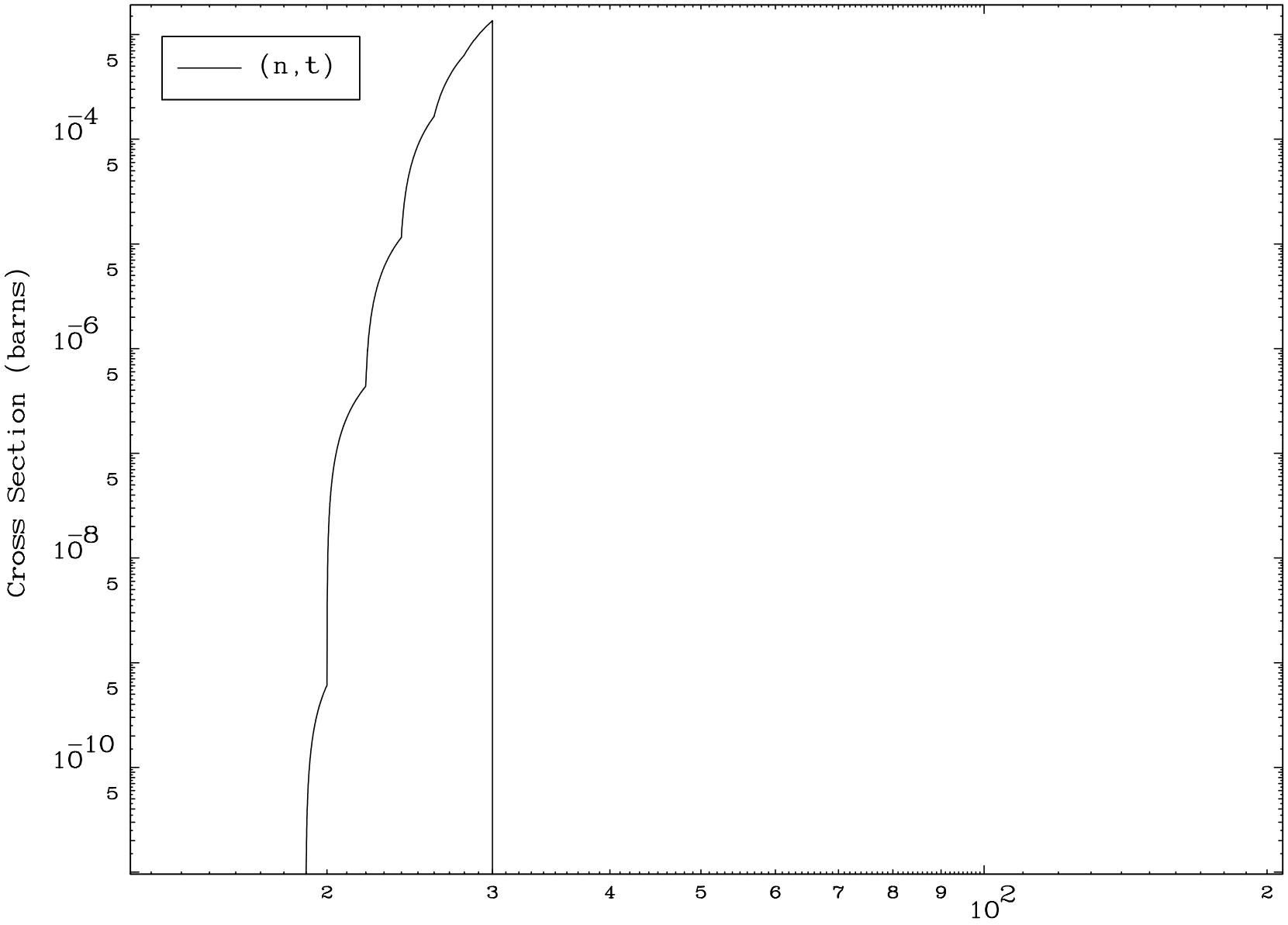

MAT 8576
α Charged Particle
0 Kelvin Cross Sections
85-At-220
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
85-At-220

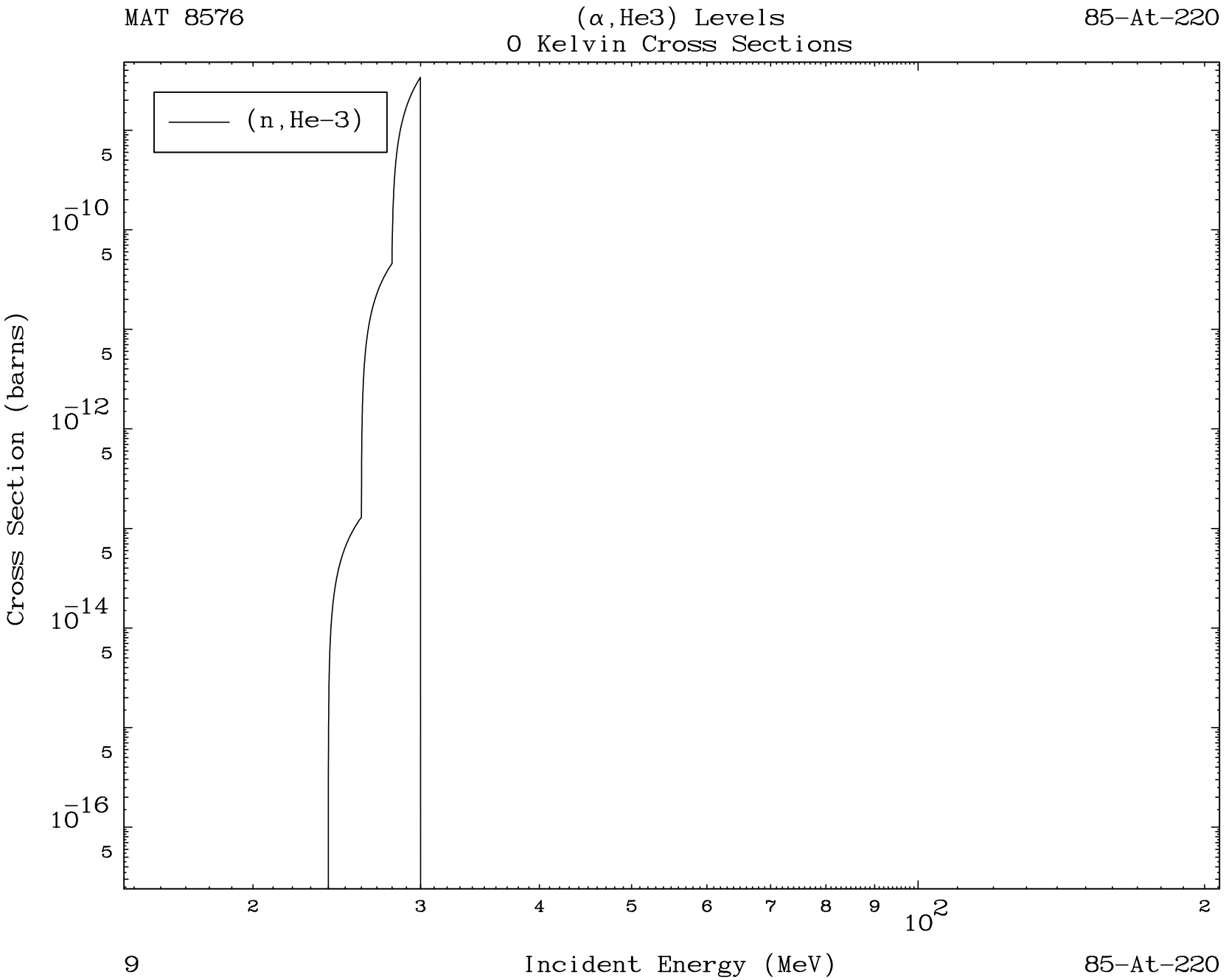

MAT 8576
α Charged Particle
0 Kelvin Cross Sections
85-At-220
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
85-At-220
5

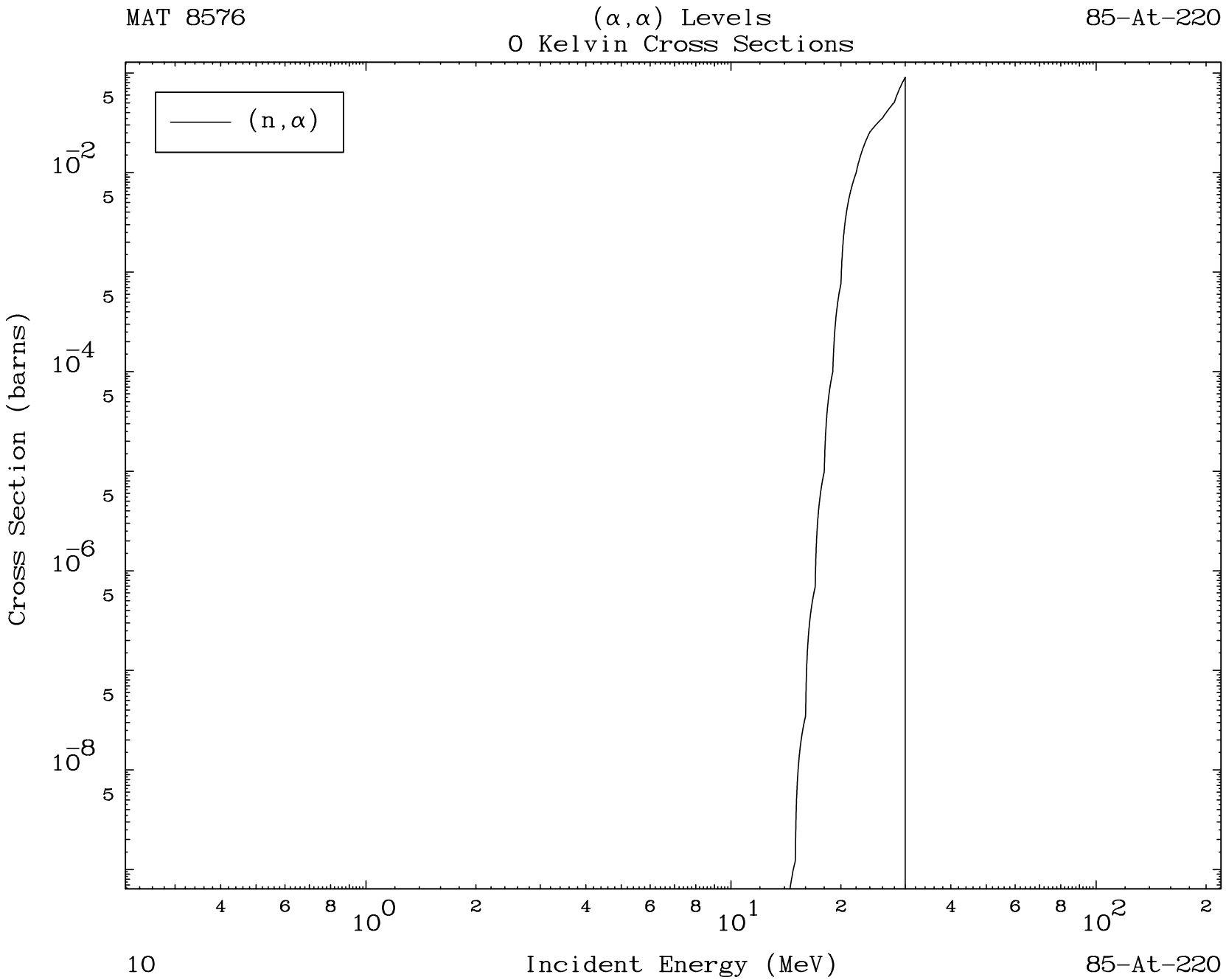

MAT 8576
(α,p) Levels
85-At-220
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^2
6
85-At-220

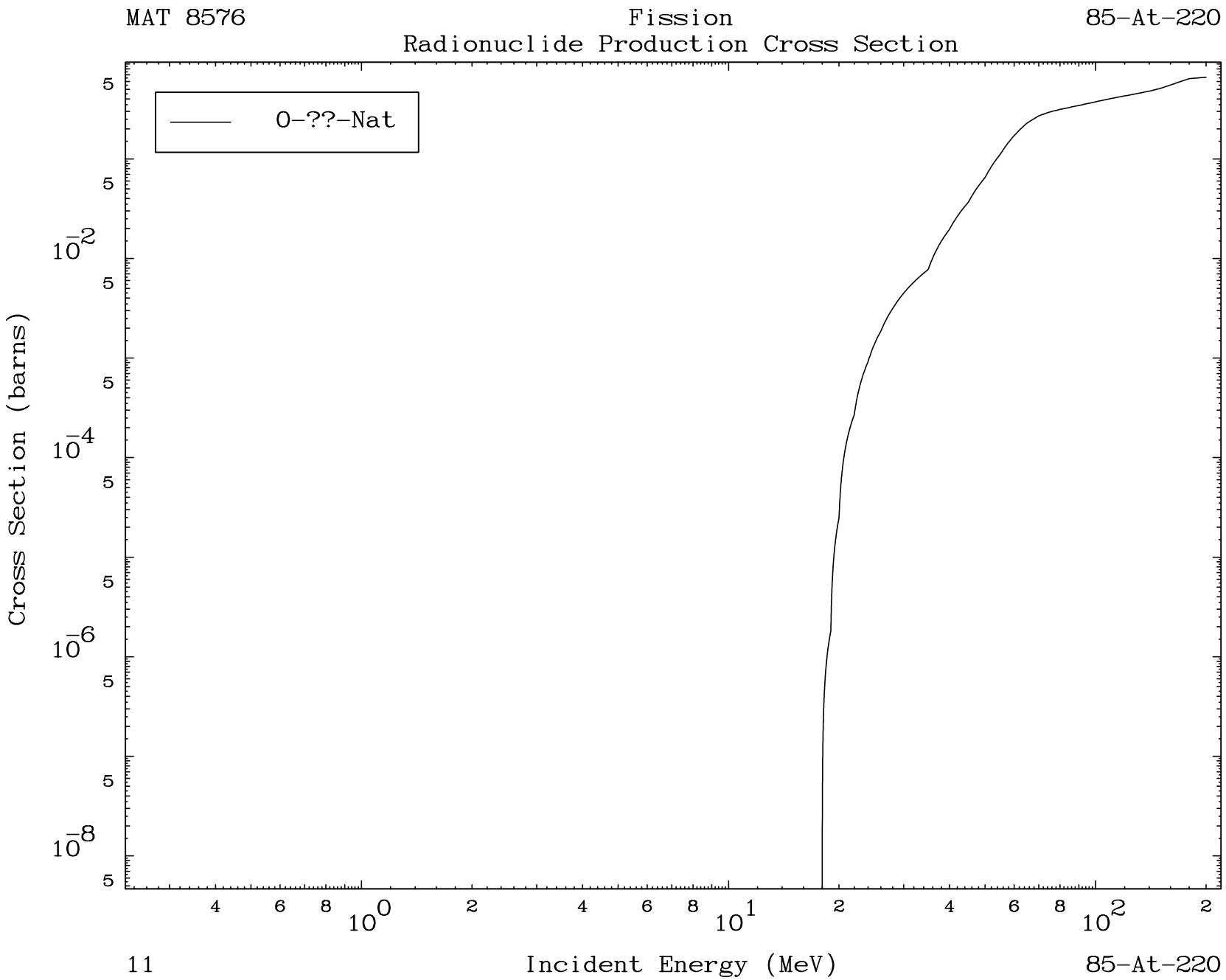

MAT 8576
(α,d) Levels
85-At-220
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
85-At-220

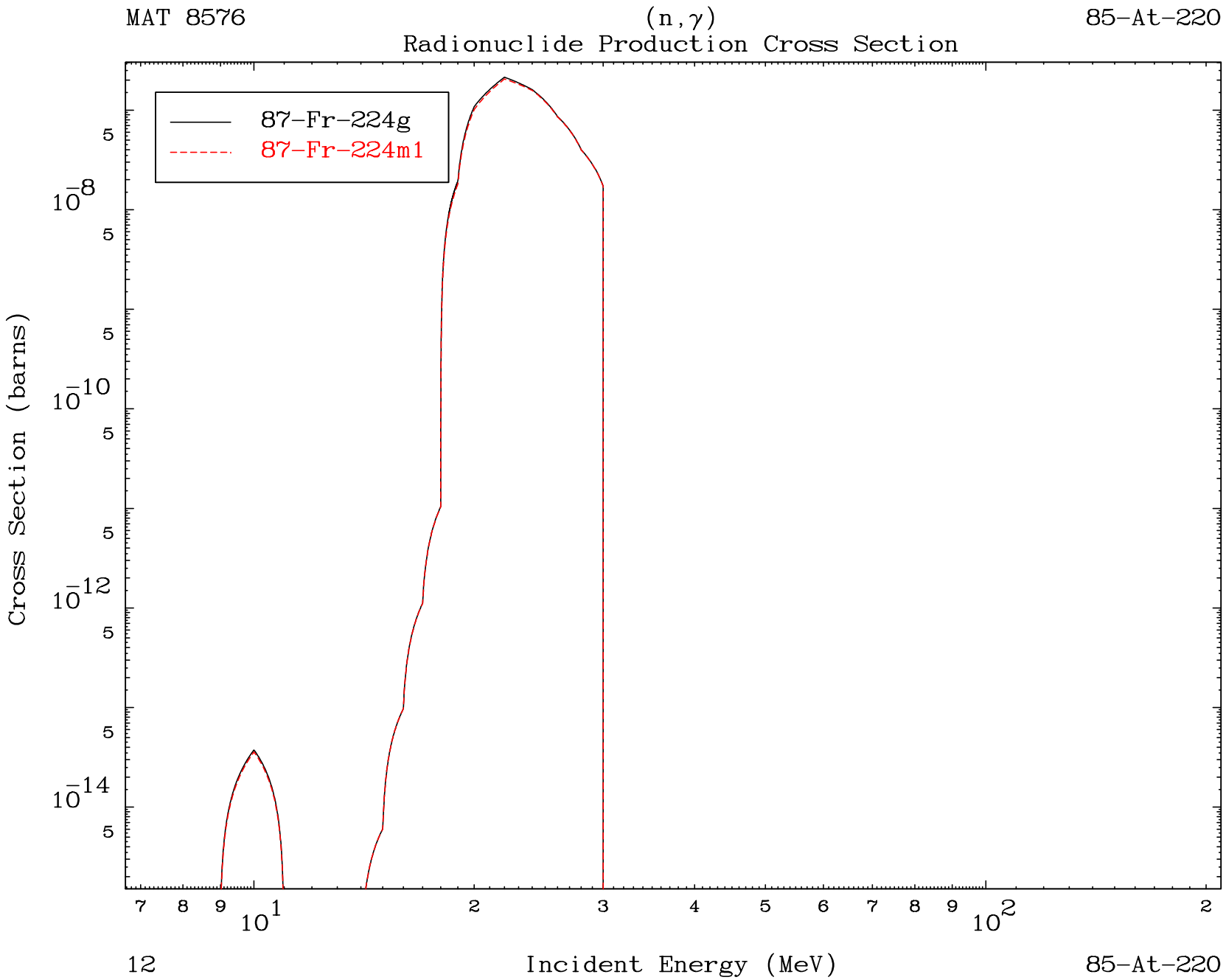
0 Kelvin Cross Sections




MAT 8576
(α,He3) Levels
0 Kelvin Cross Sections
85-At-220
(n,He-3)
Cross Section (barns)
10^{-10}
10^{-12}
10^{-14}
10^{-16}
5
2
3
4
5
6
7
8
9
10^{2}
2
Incident Energy (MeV)
9
85-At-220


MAT 8576
(α,α) Levels
85-At-220
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
10^0
10^1
10^2
2
4
6
8
10
Incident Energy (MeV)
85-At-220


MAT 8576
Fission
85-At-220
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
11
85-At-220


MAT 8576
(n,γ)
85-At-220
Radionuclide Production Cross Section
87-Fr-224g
87-Fr-224m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
12
Incident Energy (MeV)
85-At-220