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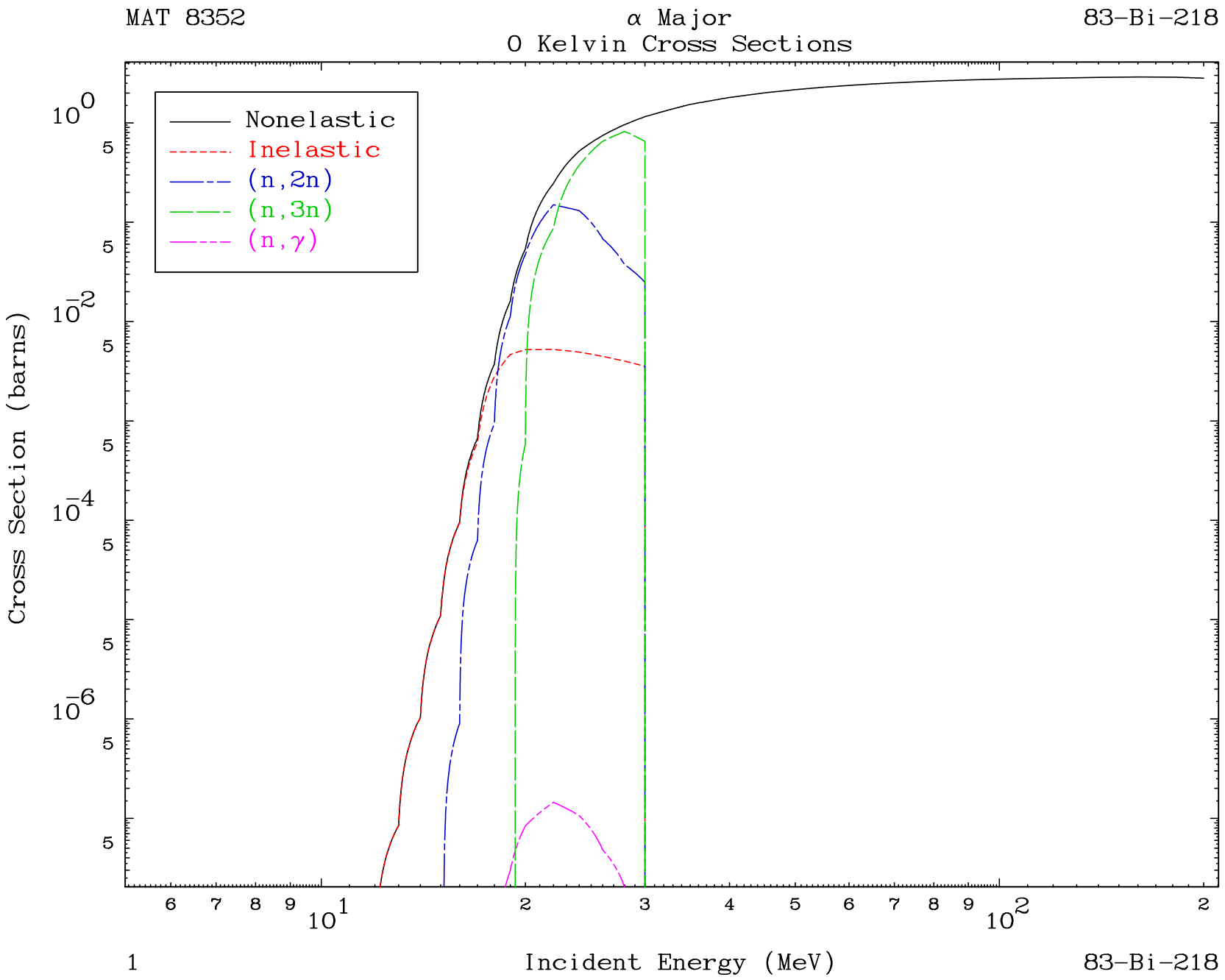
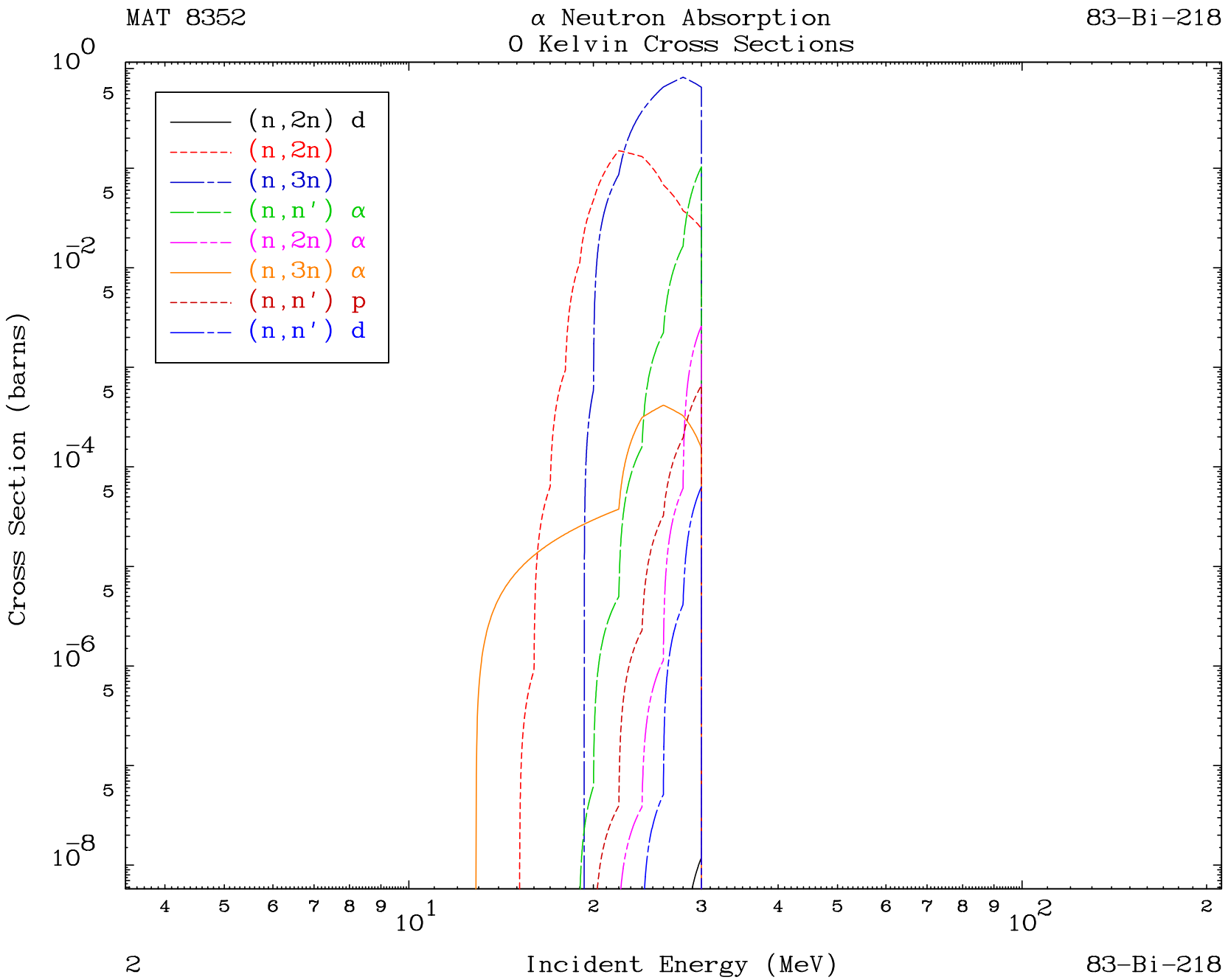
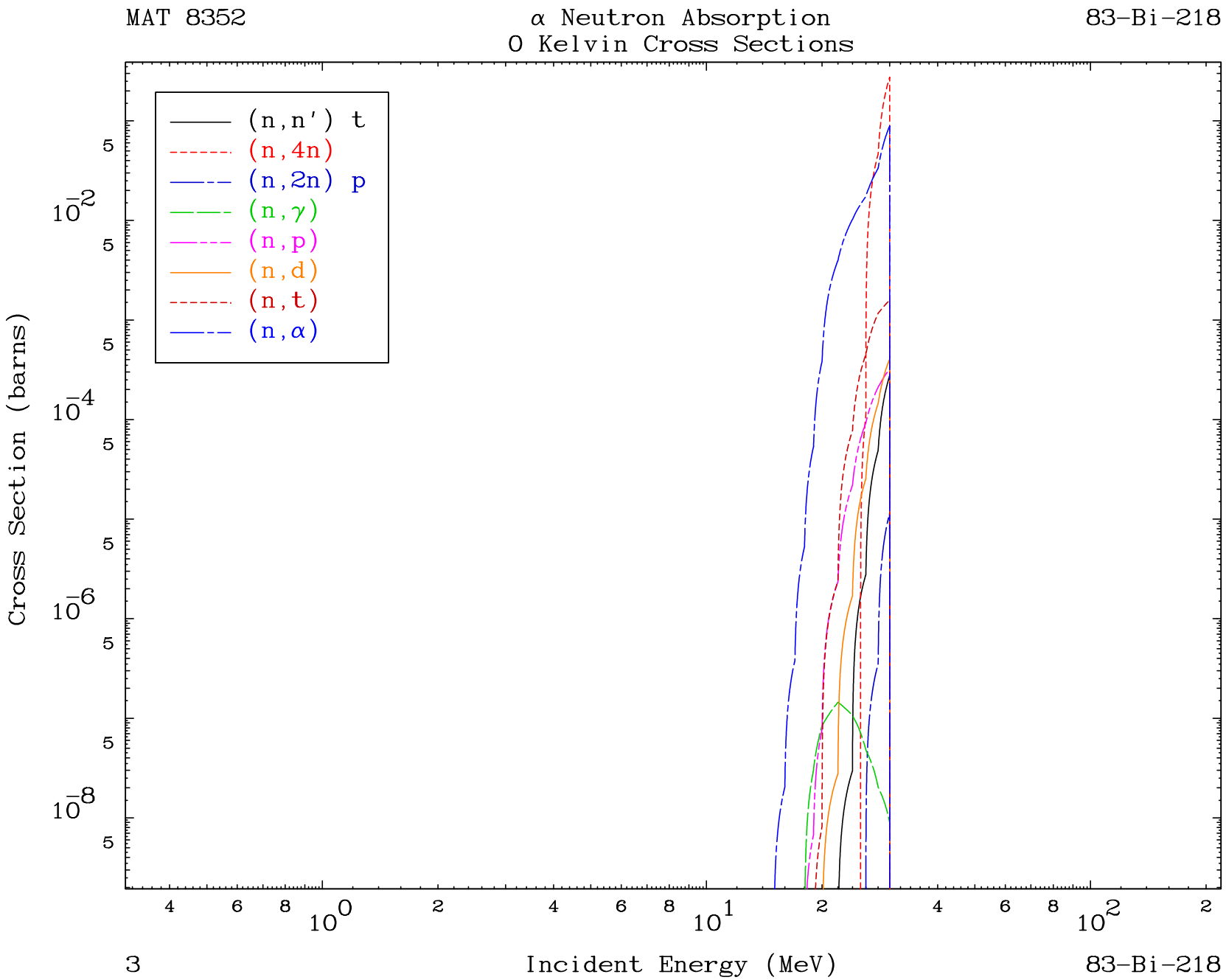
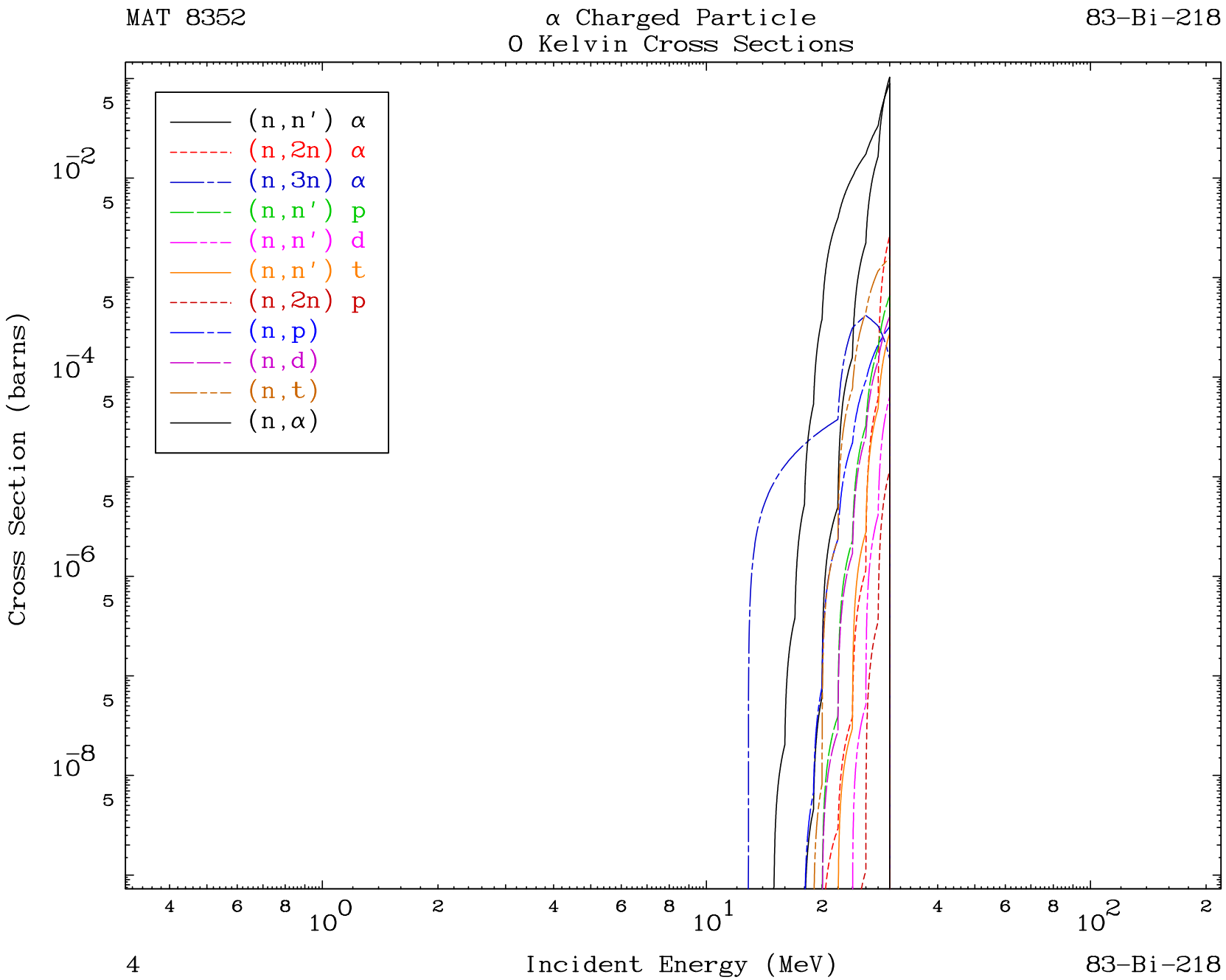
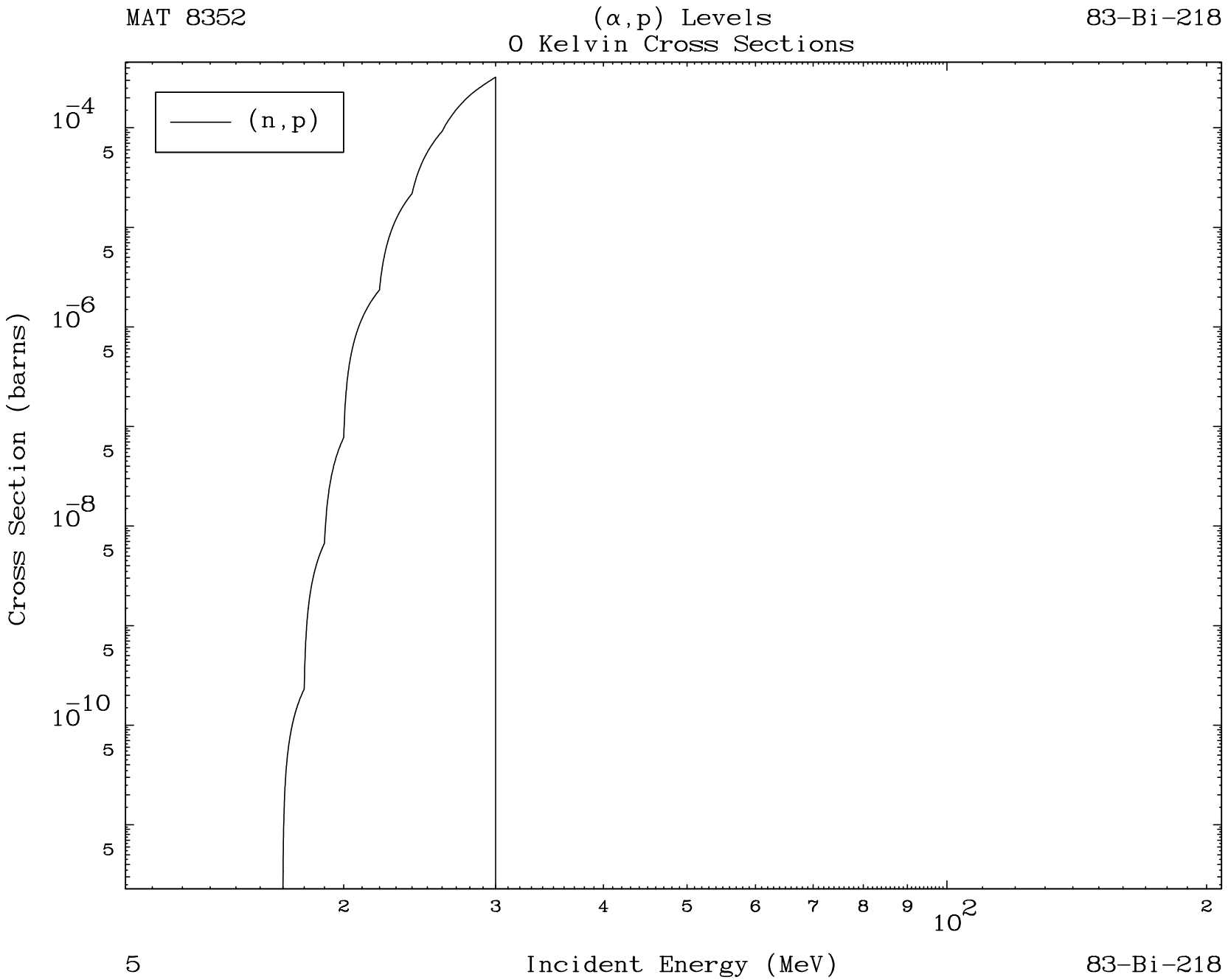
Press Mouse Button to Start

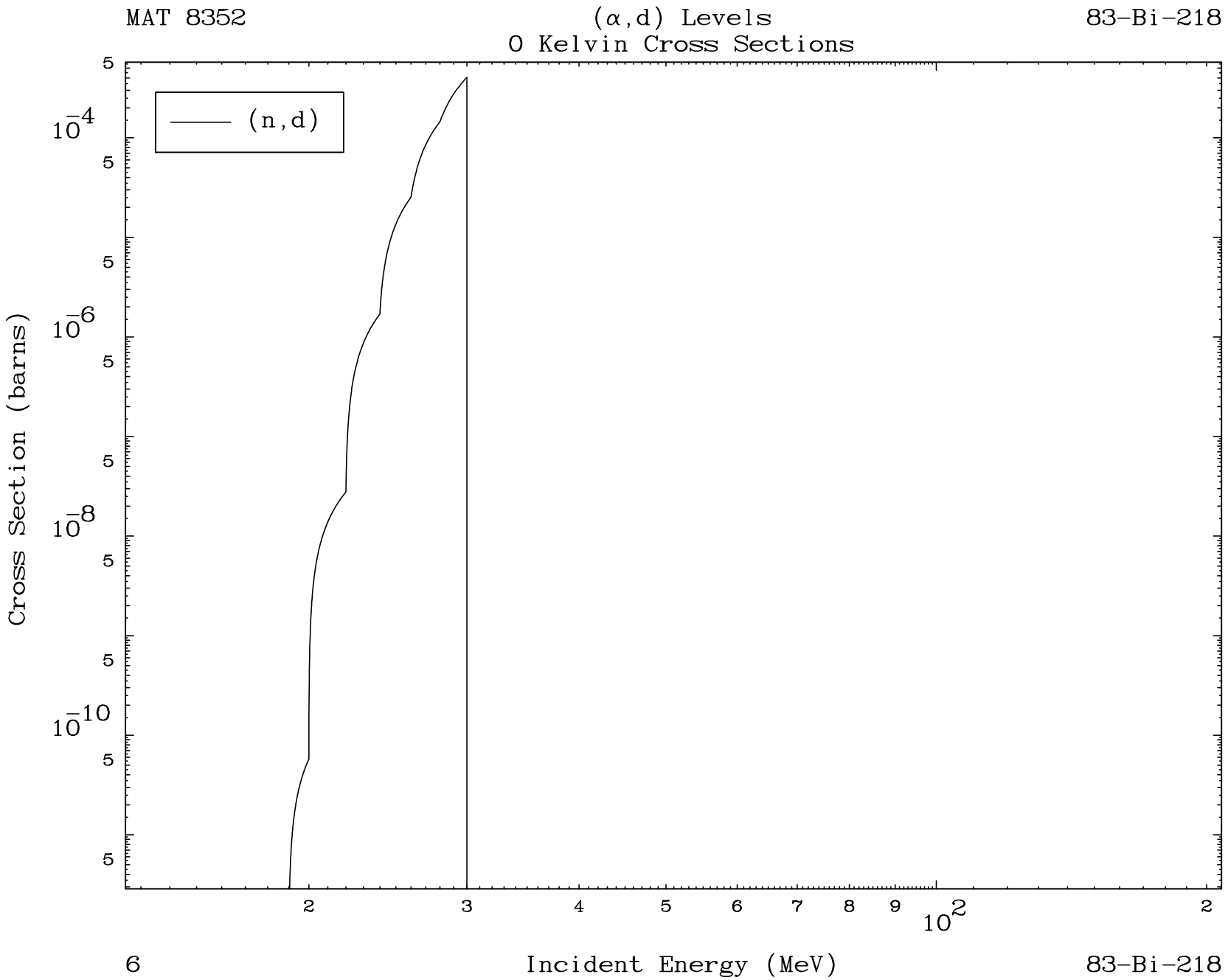

MAT 8352
α Major
83-Bi-218
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-218

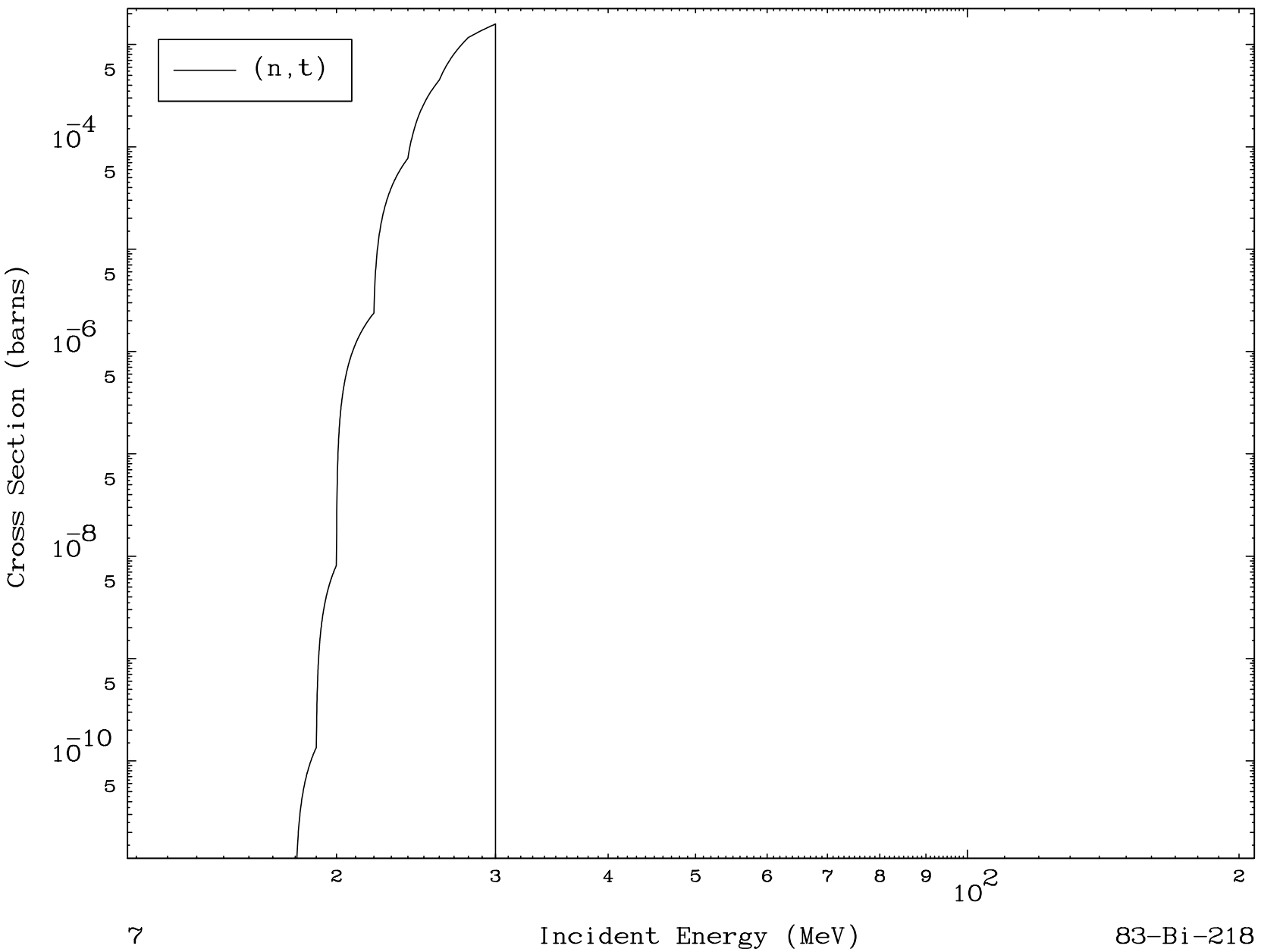

MAT 8352
α Neutron Absorption
0 Kelvin Cross Sections
83-Bi-218
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
83-Bi-218

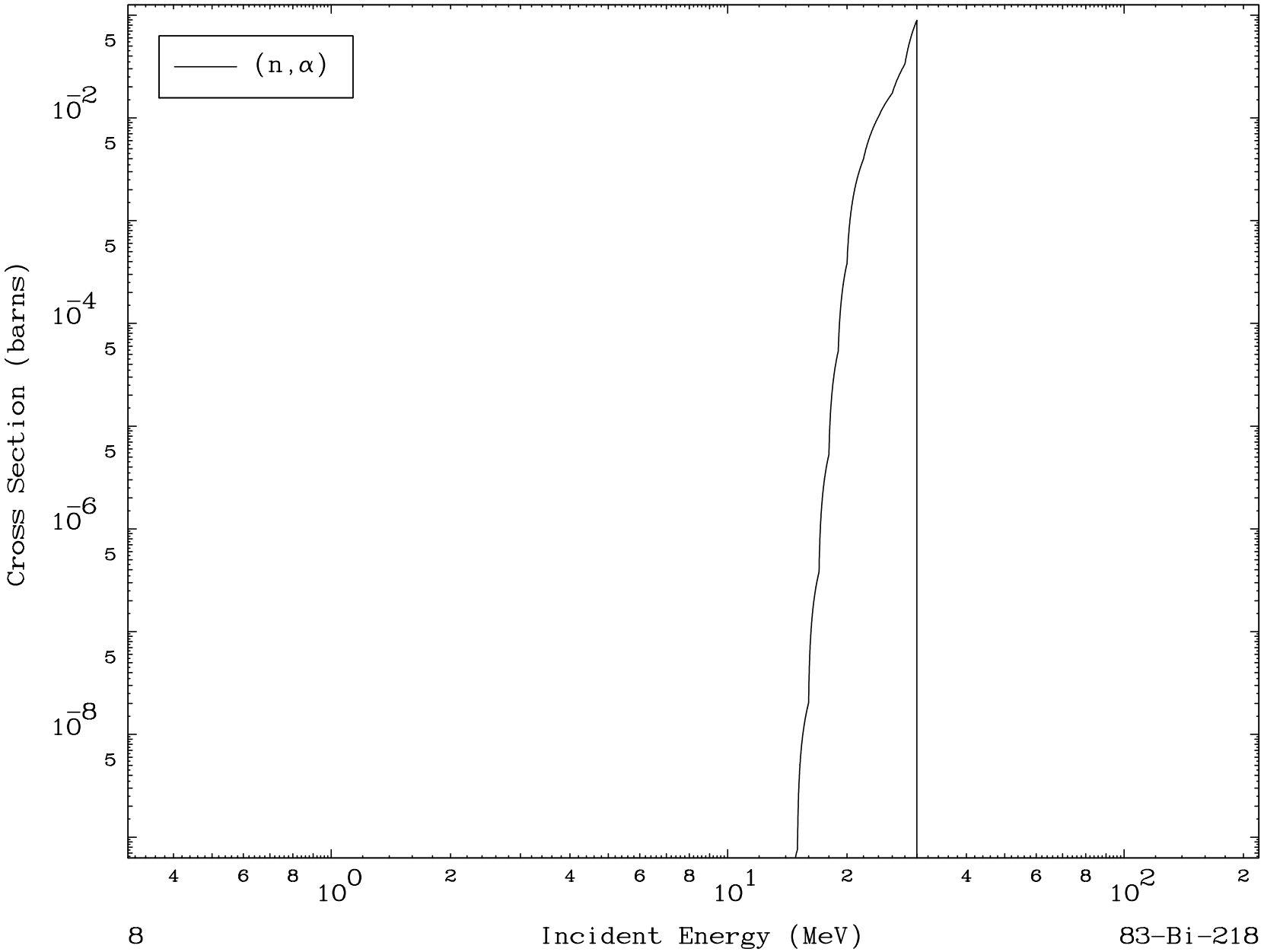

MAT 8352
α Neutron Absorption
0 Kelvin Cross Sections
83-Bi-218
(n,n') t
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
3
83-Bi-218

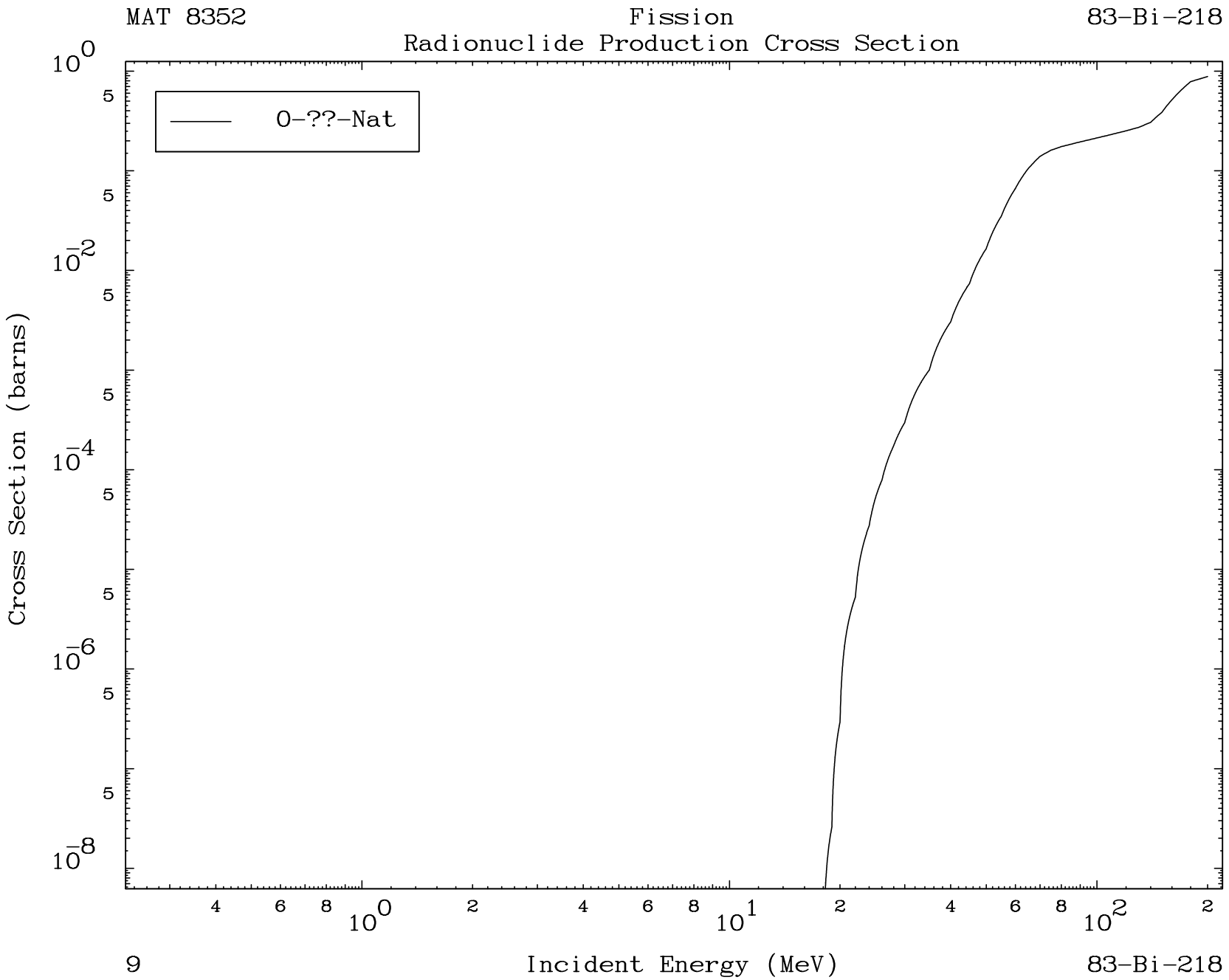

MAT 8352
α Charged Particle
0 Kelvin Cross Sections
83-Bi-218
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-218

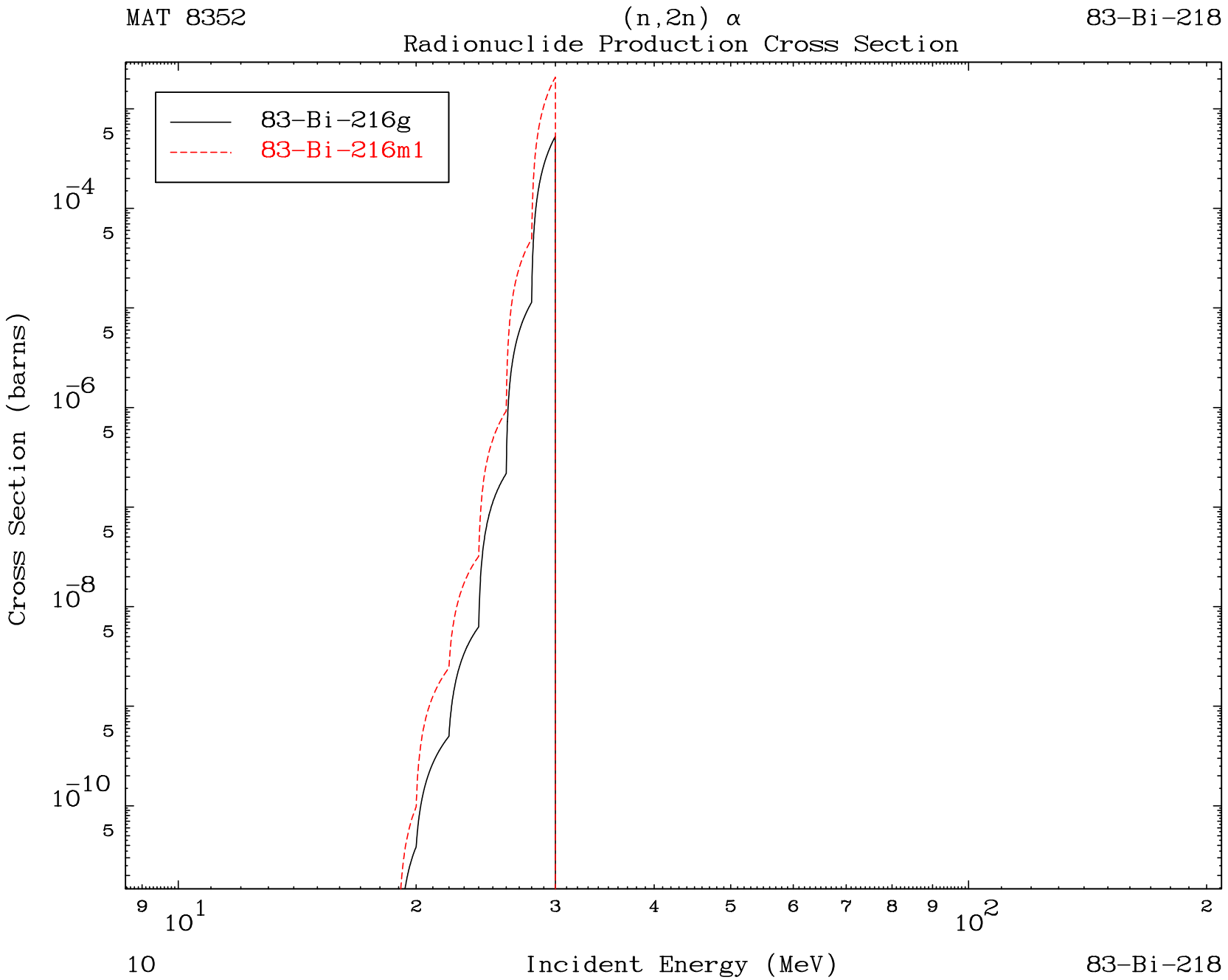

MAT 8352
(α,p) Levels
83-Bi-218
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
83-Bi-218

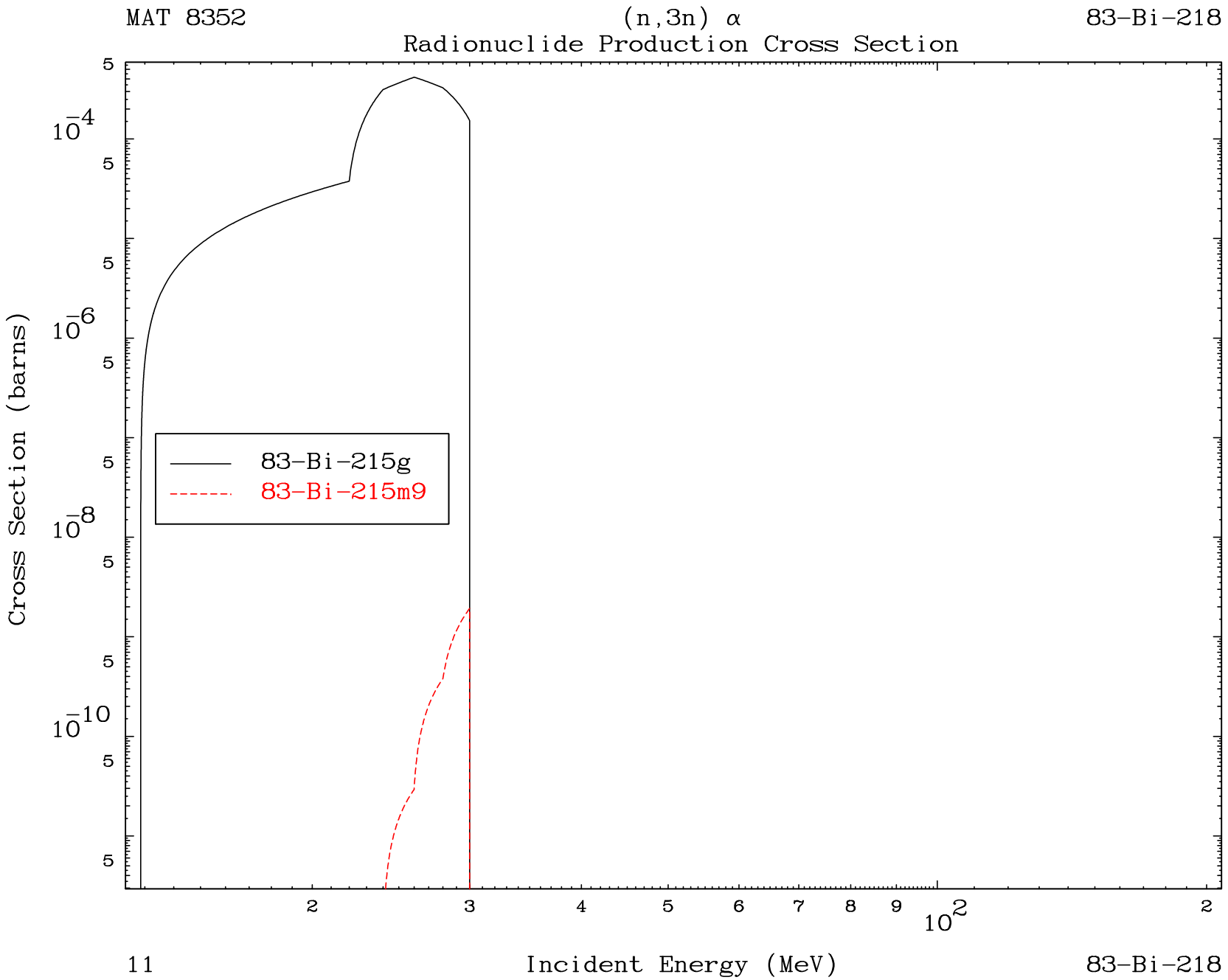

MAT 8352
(α,d) Levels
83-Bi-218
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
6
83-Bi-218


0 Kelvin Cross Sections
(n,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
(n,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)


MAT 8352
Fission
83-Bi-218
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
83-Bi-218


MAT 8352
(n,2n) α
83-Bi-218
Radionuclide Production Cross Section
83-Bi-216g
83-Bi-216m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
10
Incident Energy (MeV)
83-Bi-218


MAT 8352
(n,3n) α
83-Bi-218
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-6
10-8
10-10
83-Bi-215g
83-Bi-215m9
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
11
83-Bi-218