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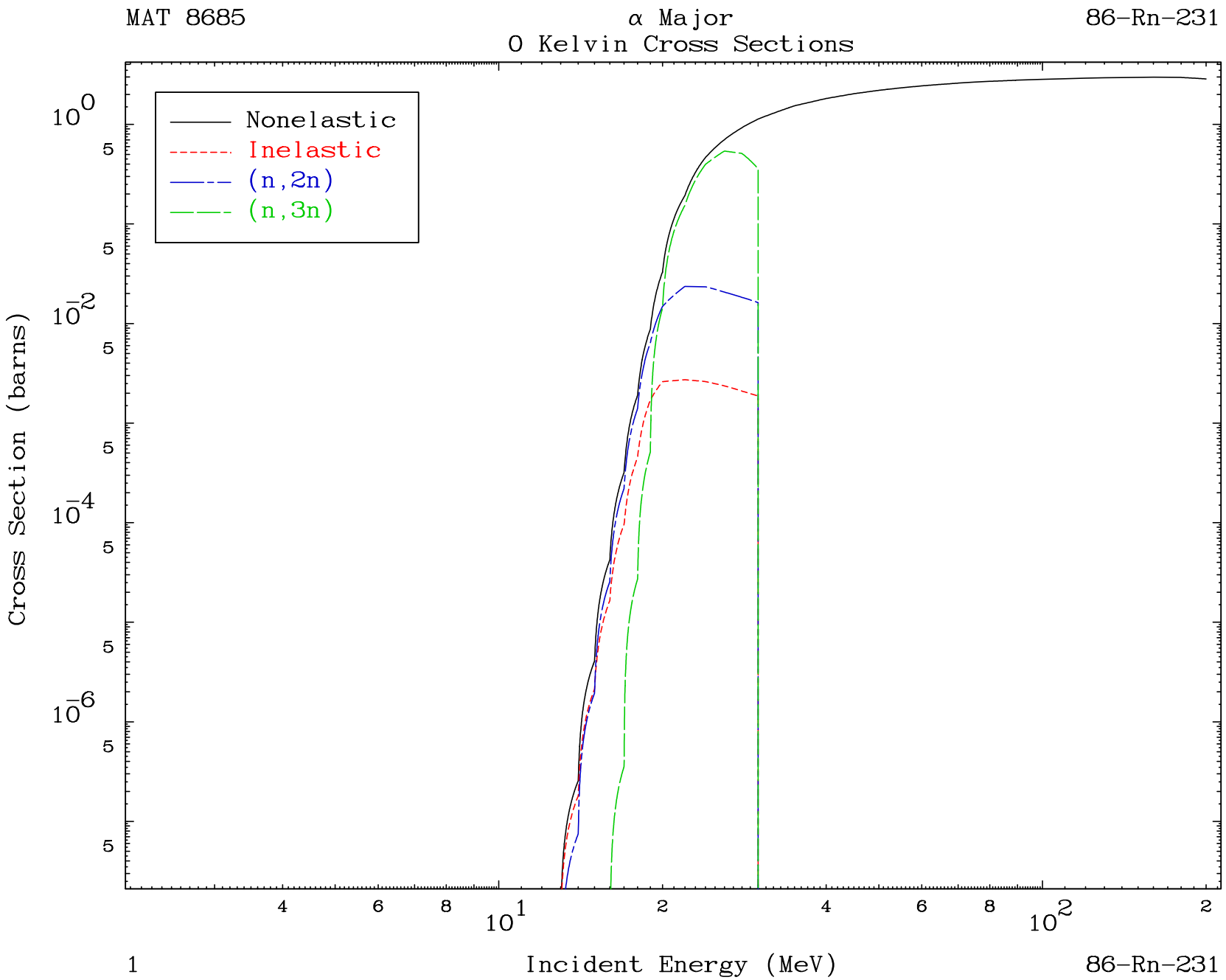
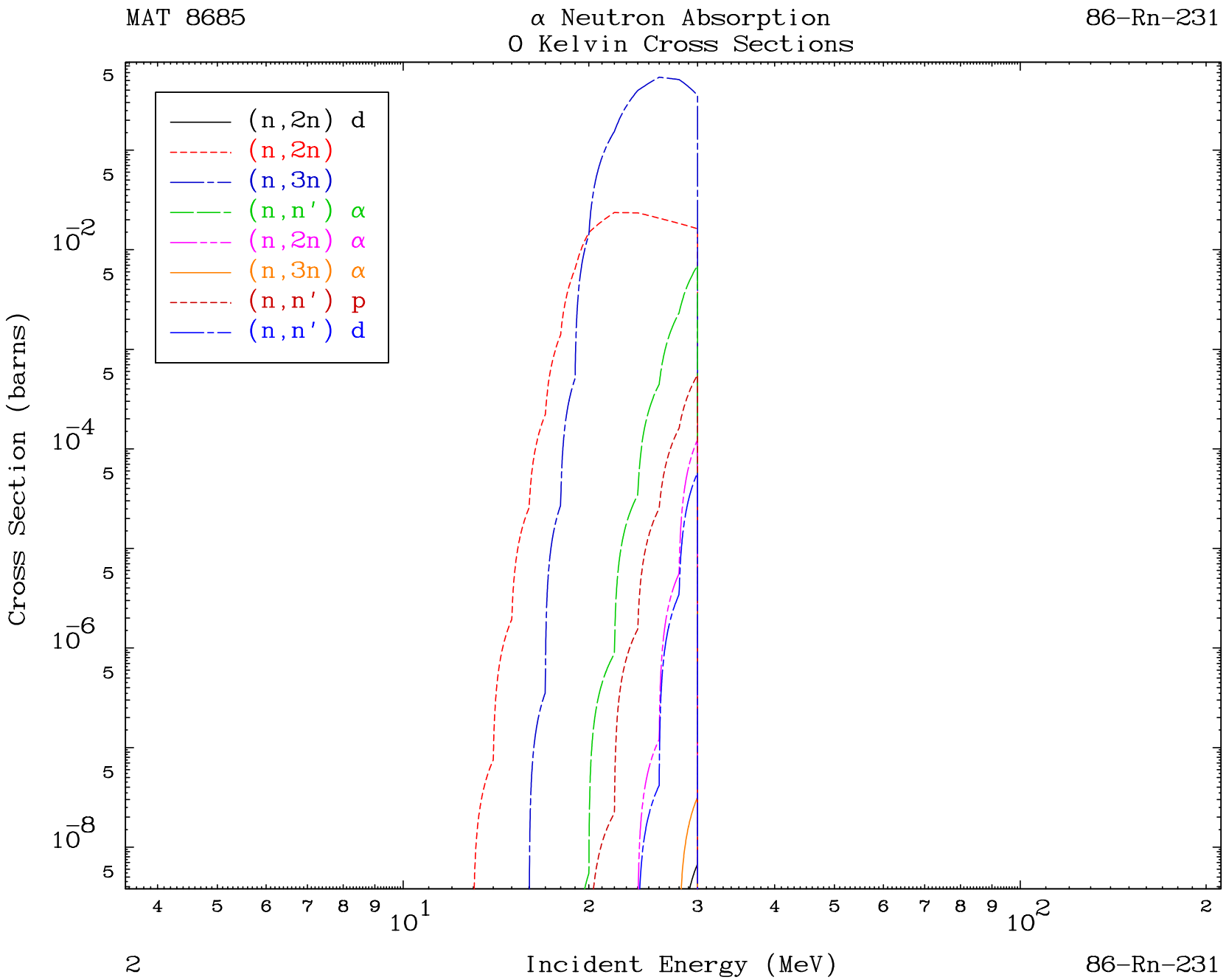
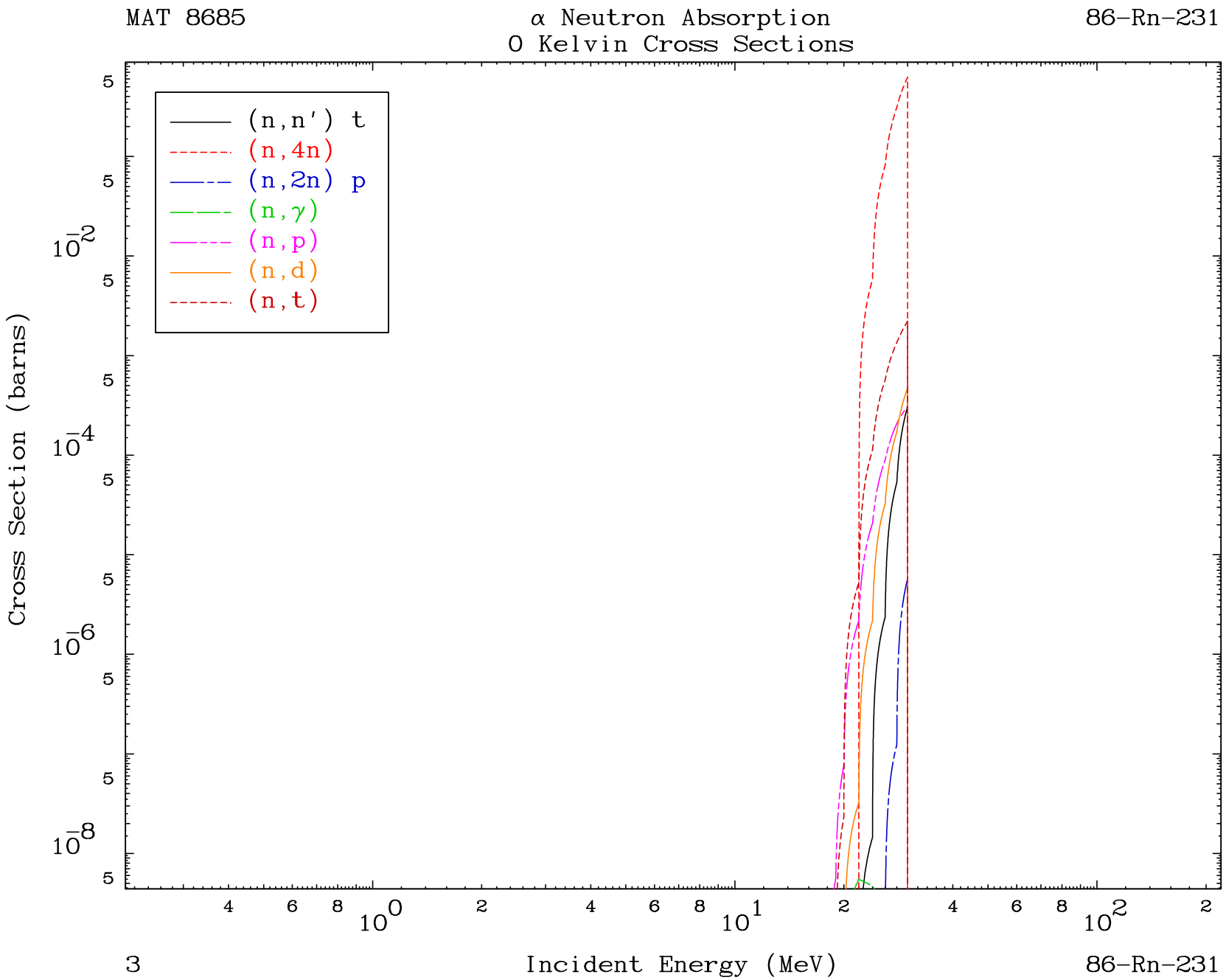
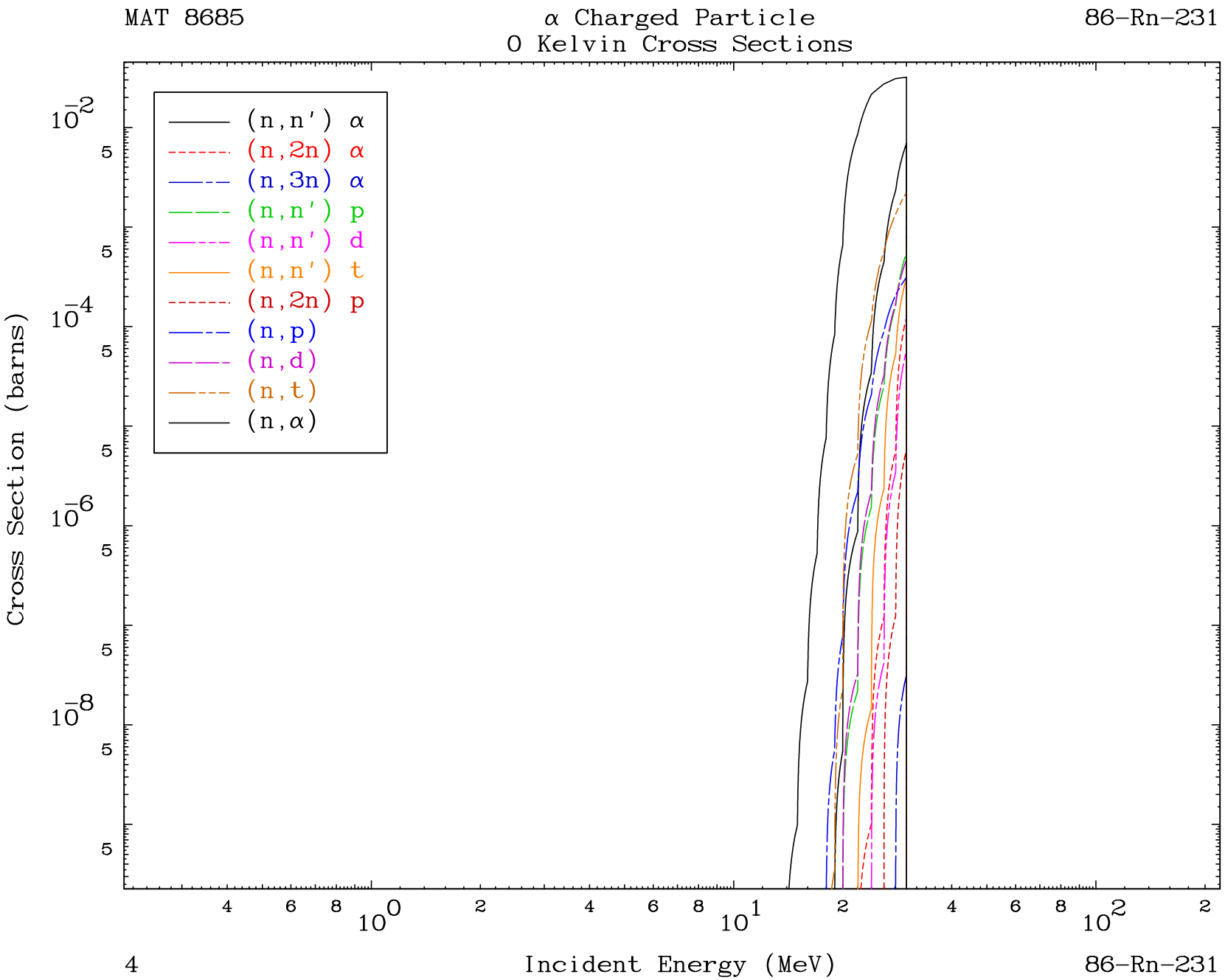
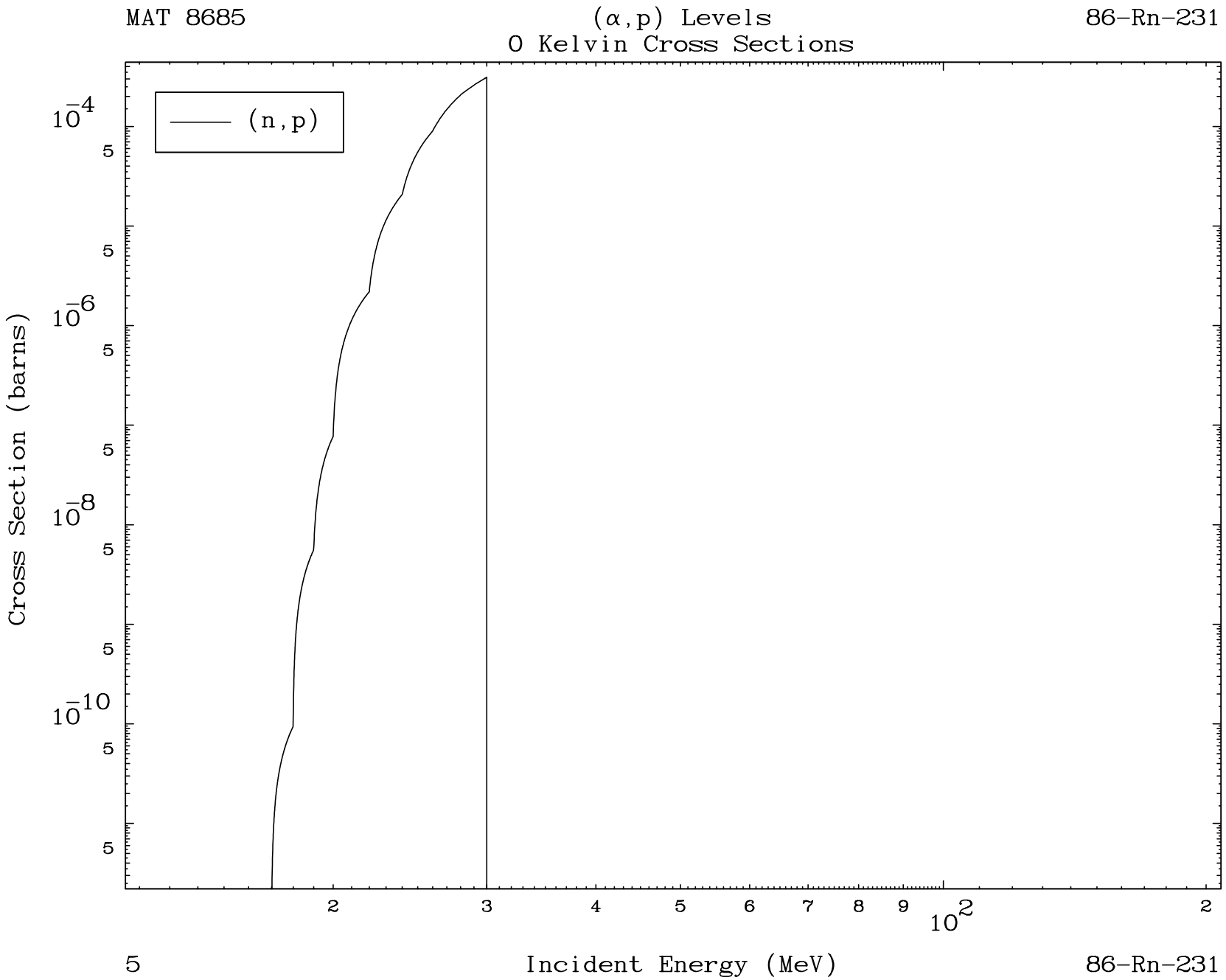
Press Mouse Button to Start

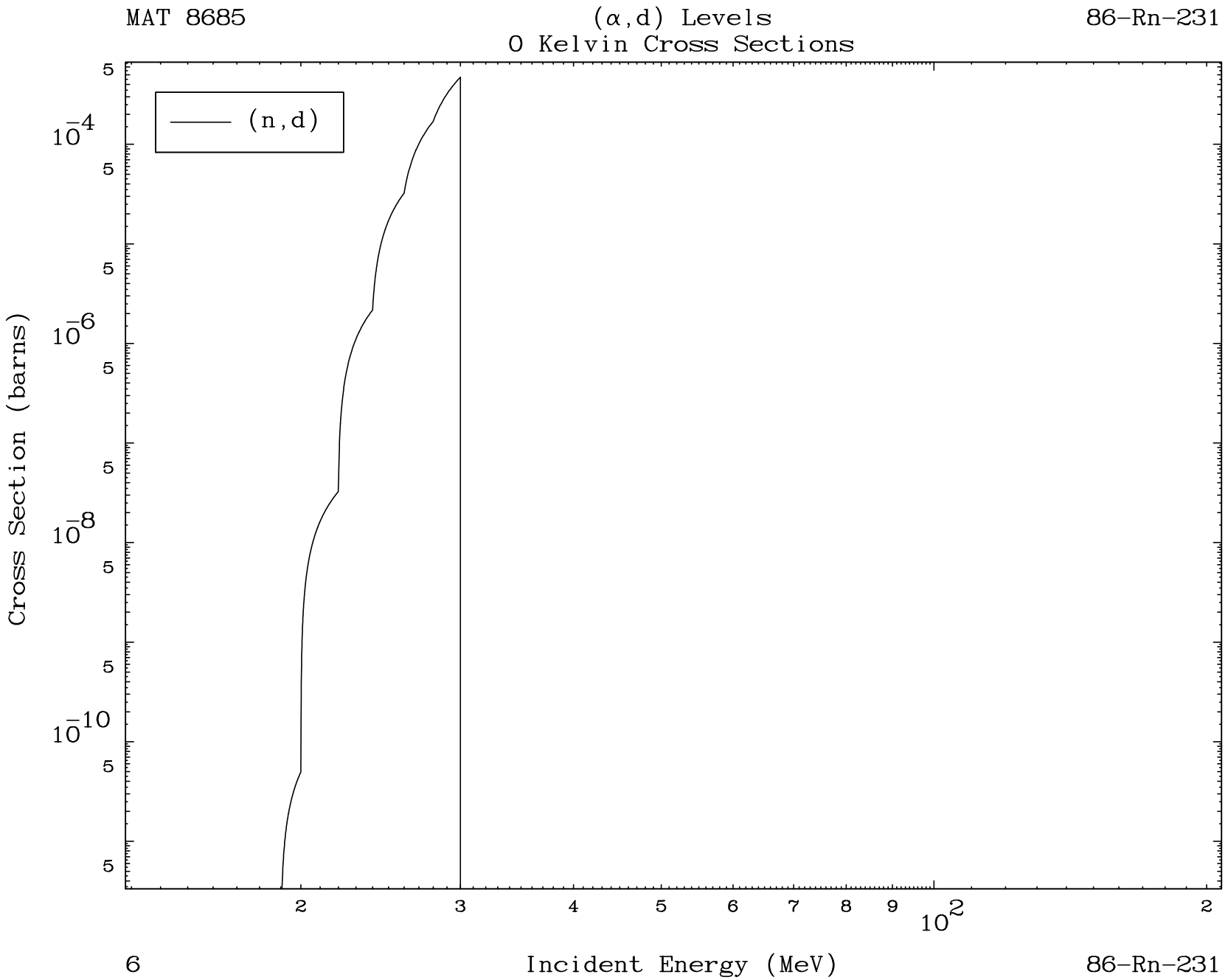

MAT 8685
α Major
86-Rn-231
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
10^1
10^2
2
4
6
8
1
Incident Energy (MeV)
86-Rn-231

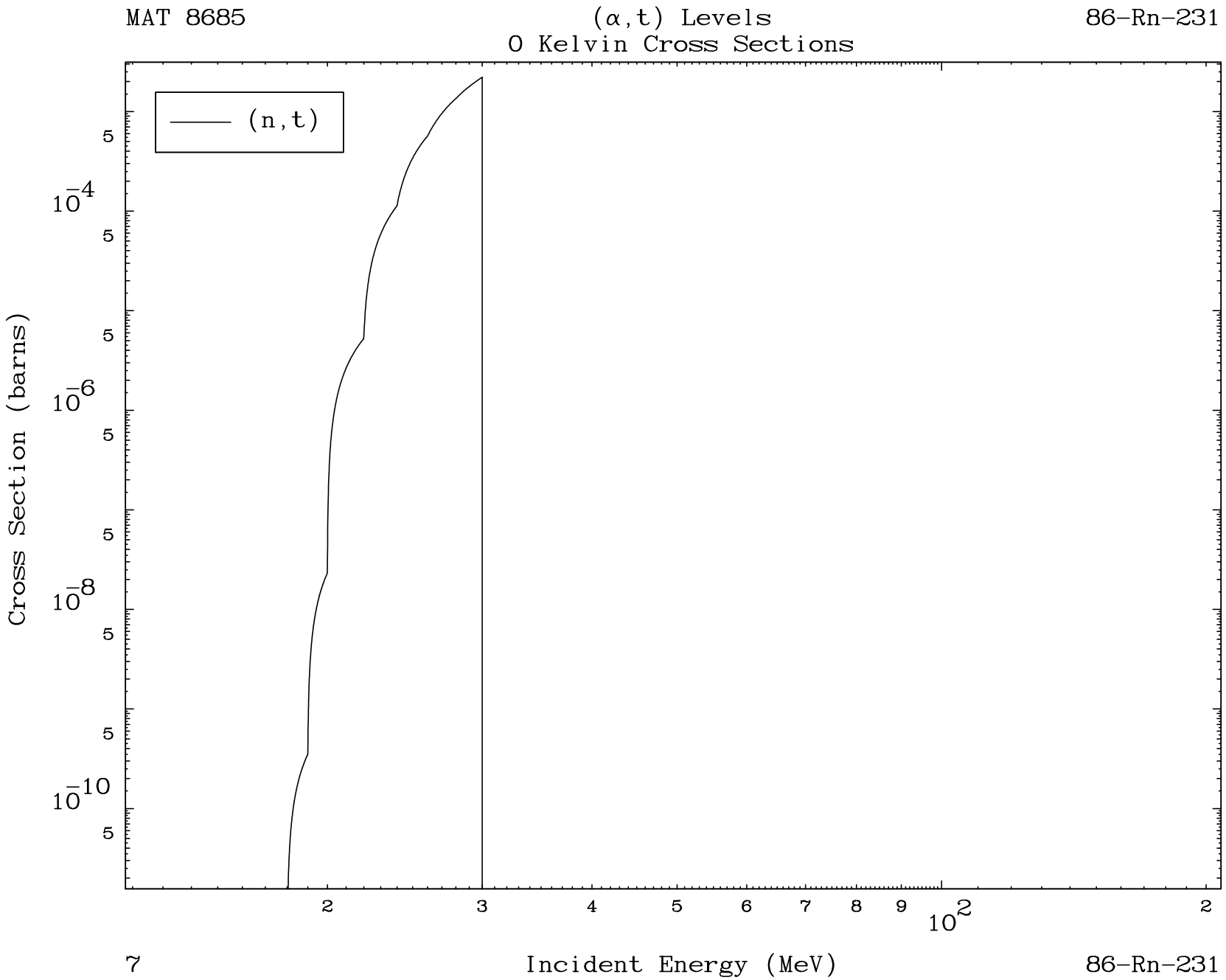

MAT 8685
α Neutron Absorption
0 Kelvin Cross Sections
86-Rn-231
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
86-Rn-231
2

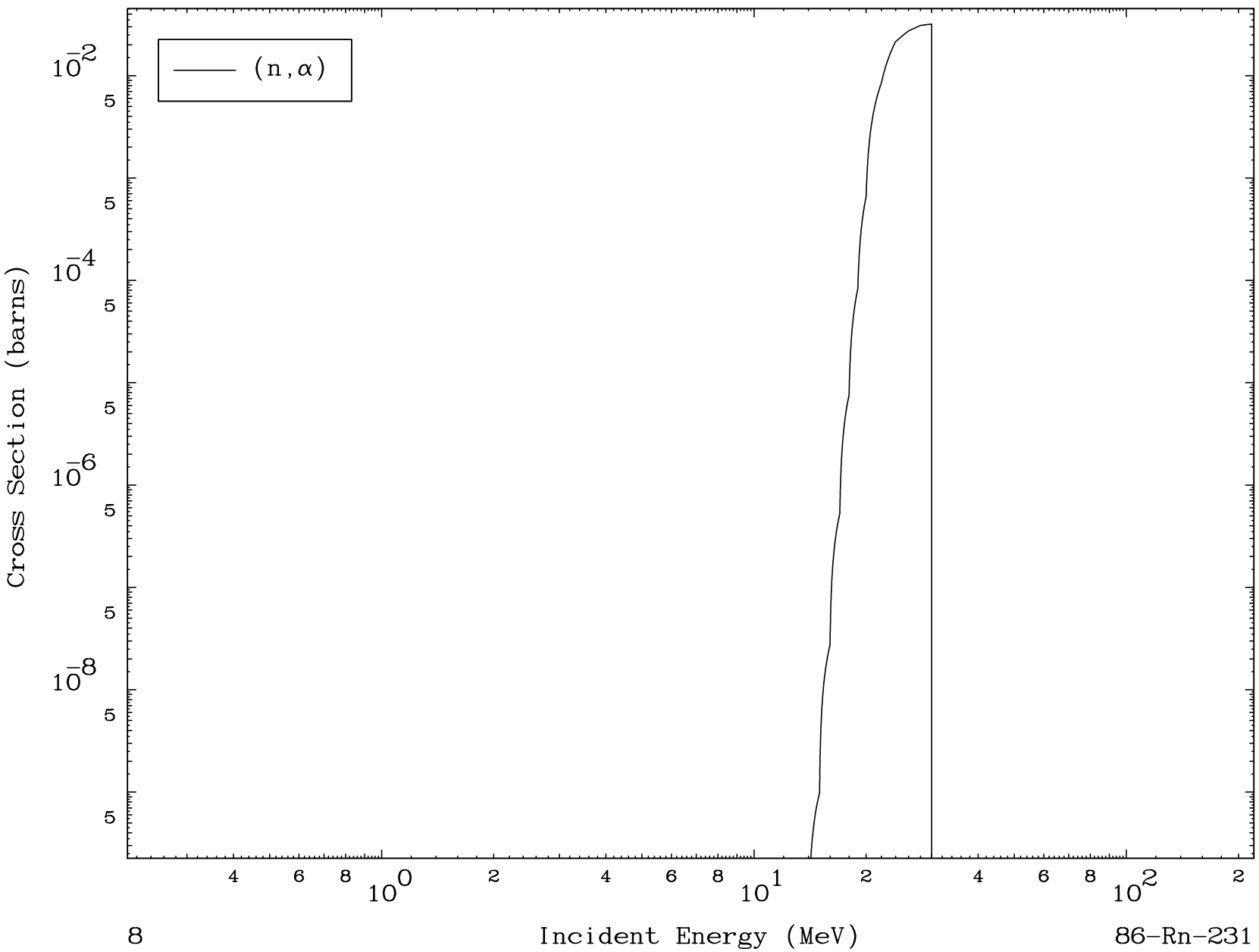

MAT 8685
α Neutron Absorption
0 Kelvin Cross Sections
86-Rn-231
(n,n') t
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
86-Rn-231

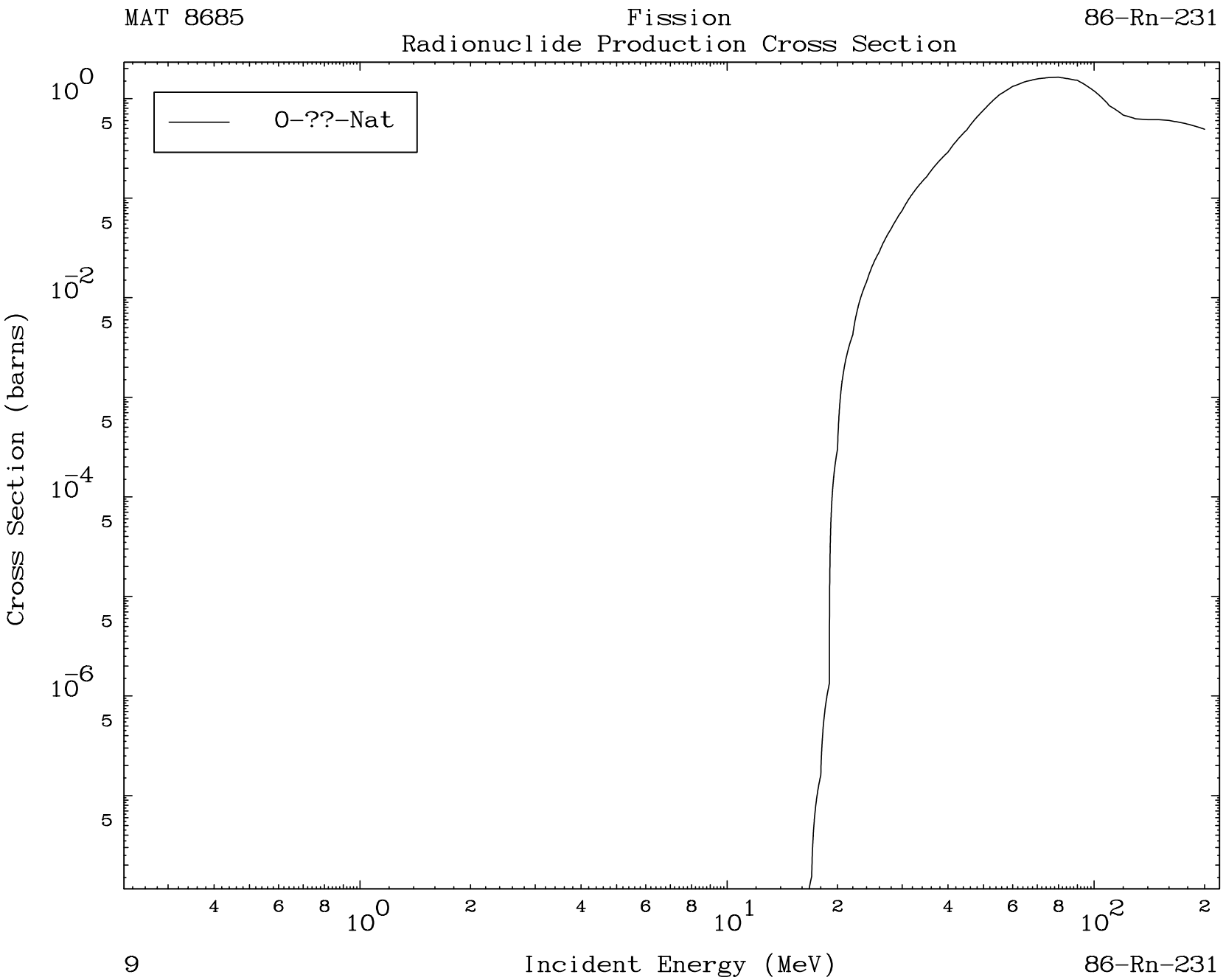

MAT 8685
α Charged Particle
0 Kelvin Cross Sections
86-Rn-231
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
86-Rn-231


MAT 8685
(α,p) Levels
86-Rn-231
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
86-Rn-231


MAT 8685
(α,d) Levels
86-Rn-231
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
6
Incident Energy (MeV)
86-Rn-231


MAT 8685
(α,t) Levels
86-Rn-231
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
7
Incident Energy (MeV)
86-Rn-231


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 8685
Fission
86-Rn-231
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
86-Rn-231