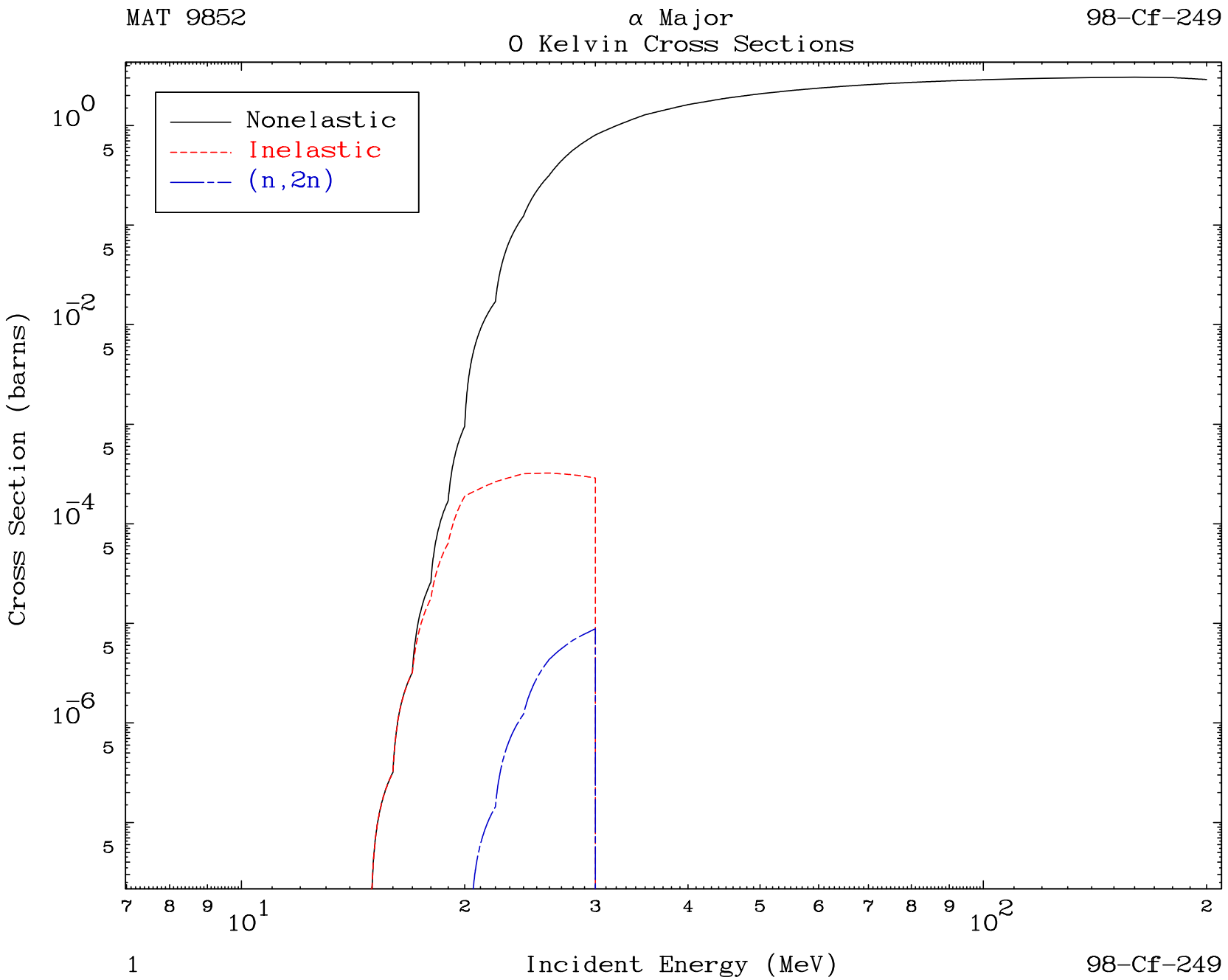
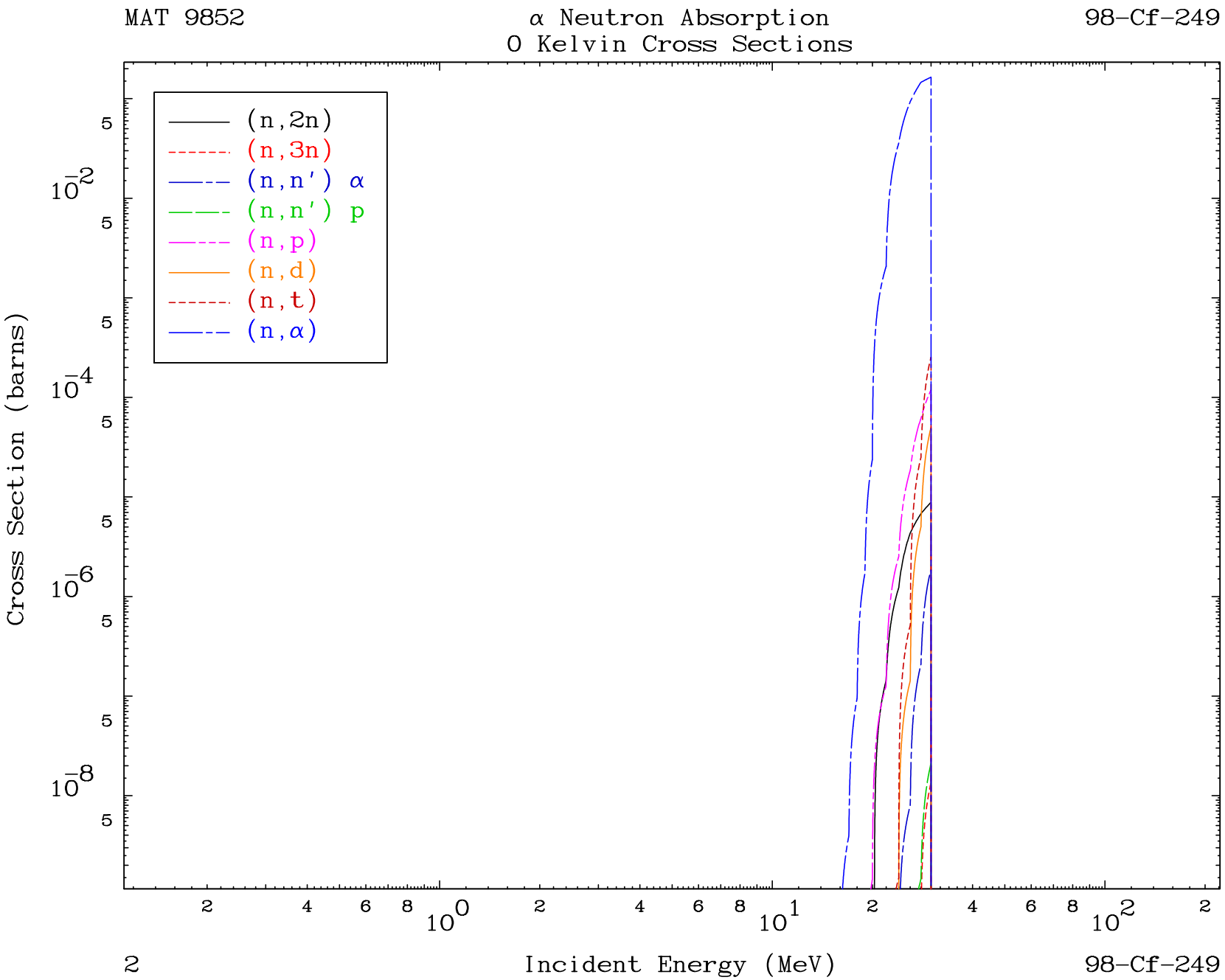
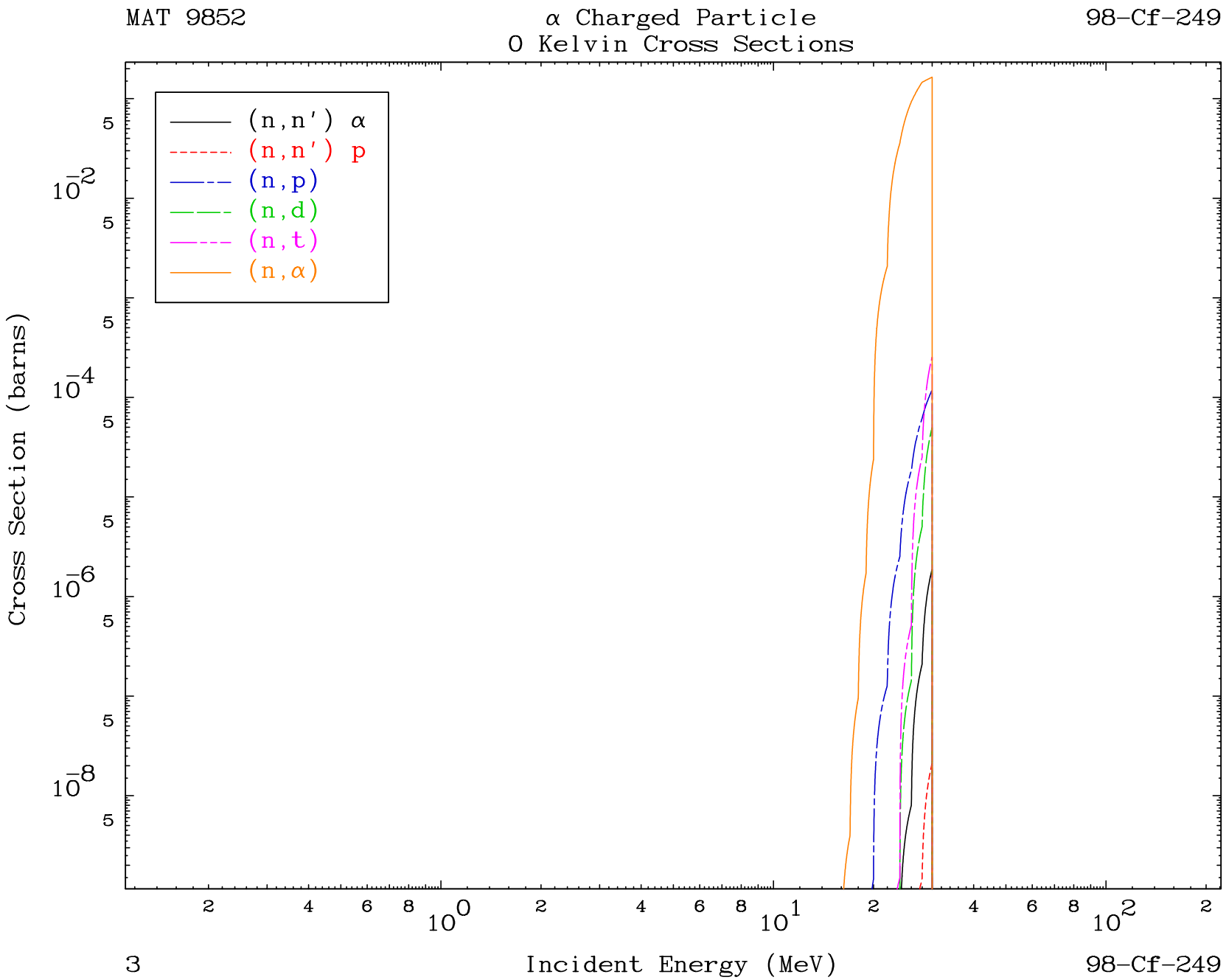
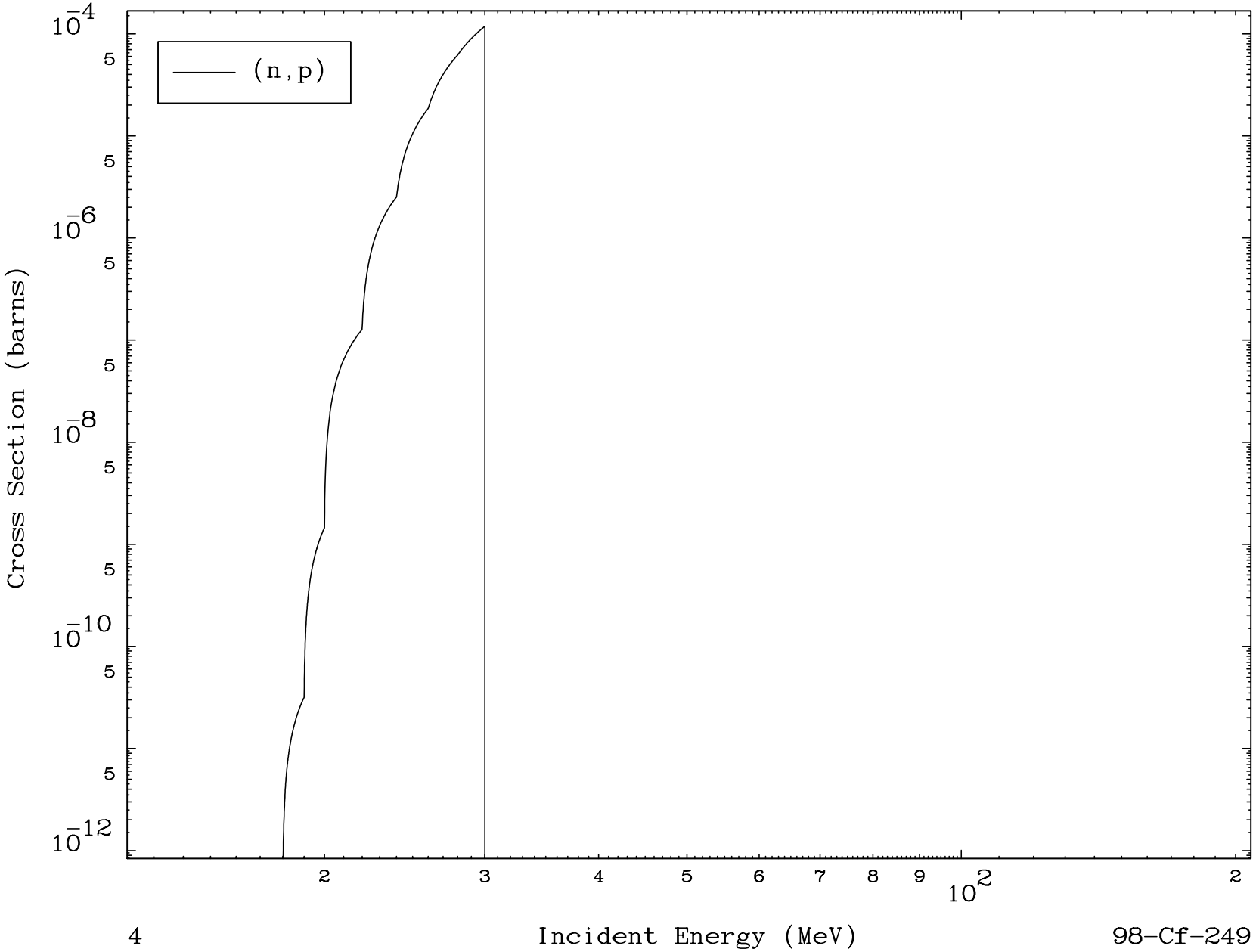
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

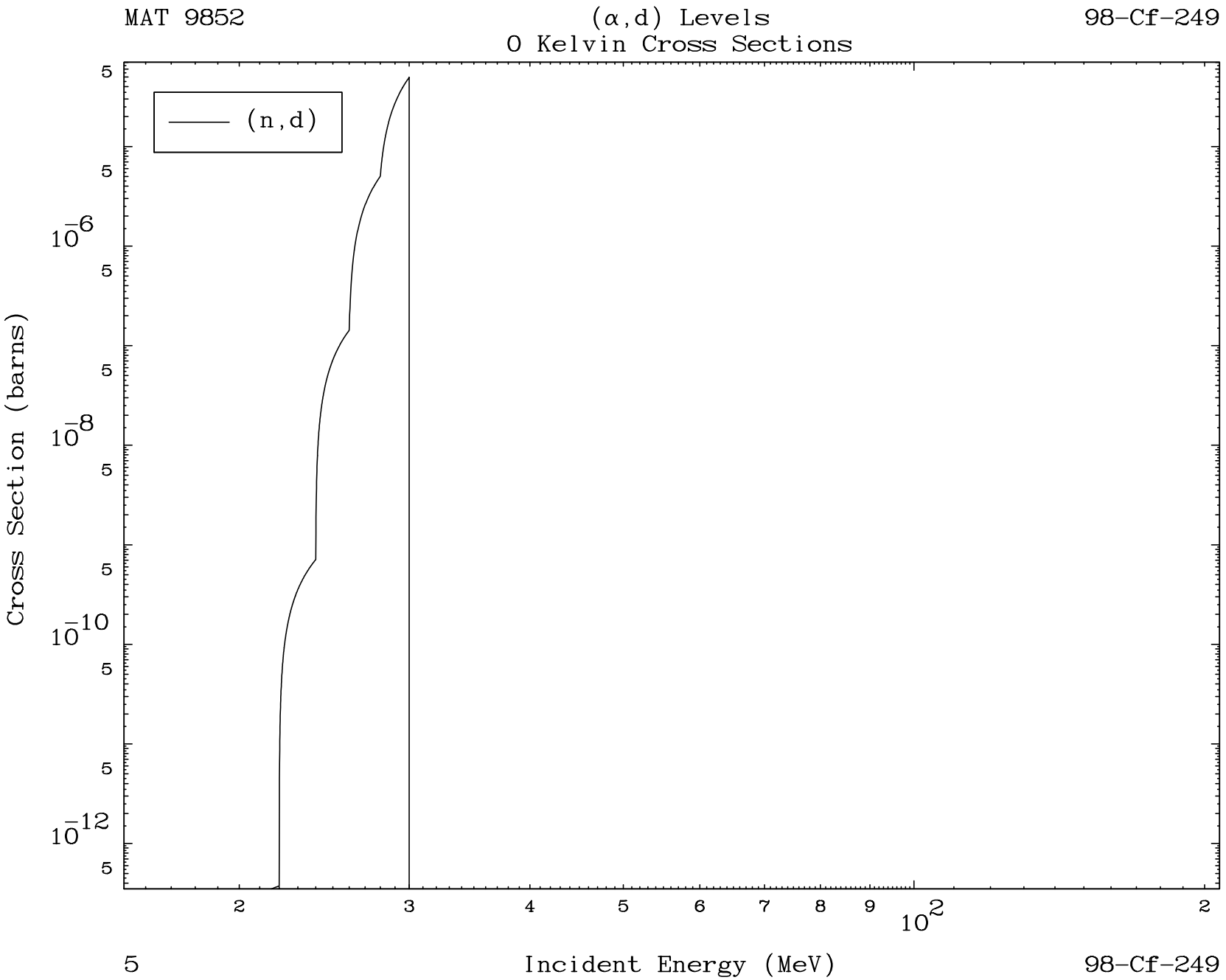
Press Mouse Button to Start

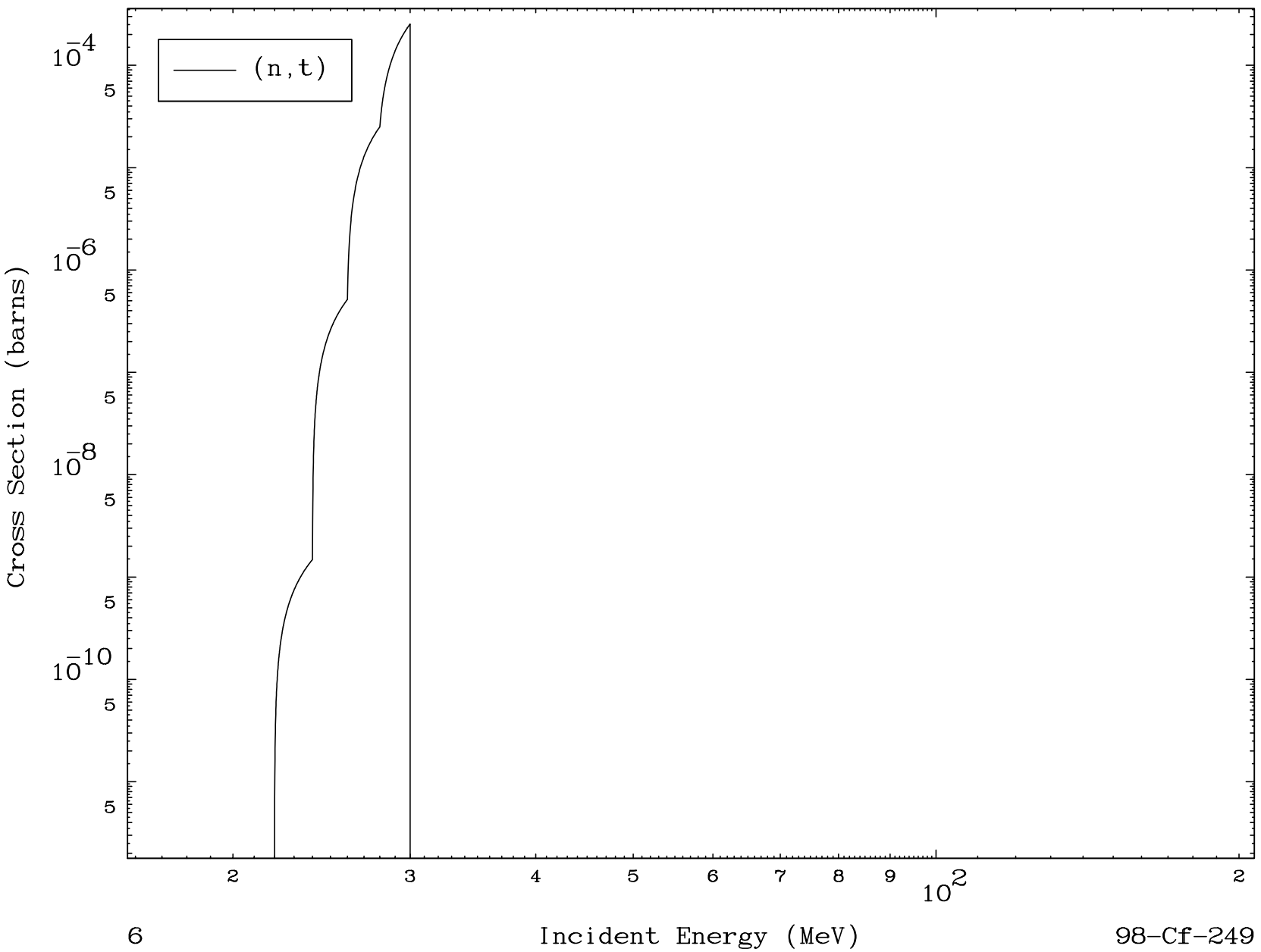

MAT 9852
α Major
98-Cf-249
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
Cross Section (barns)
Incident Energy (MeV)
98-Cf-249

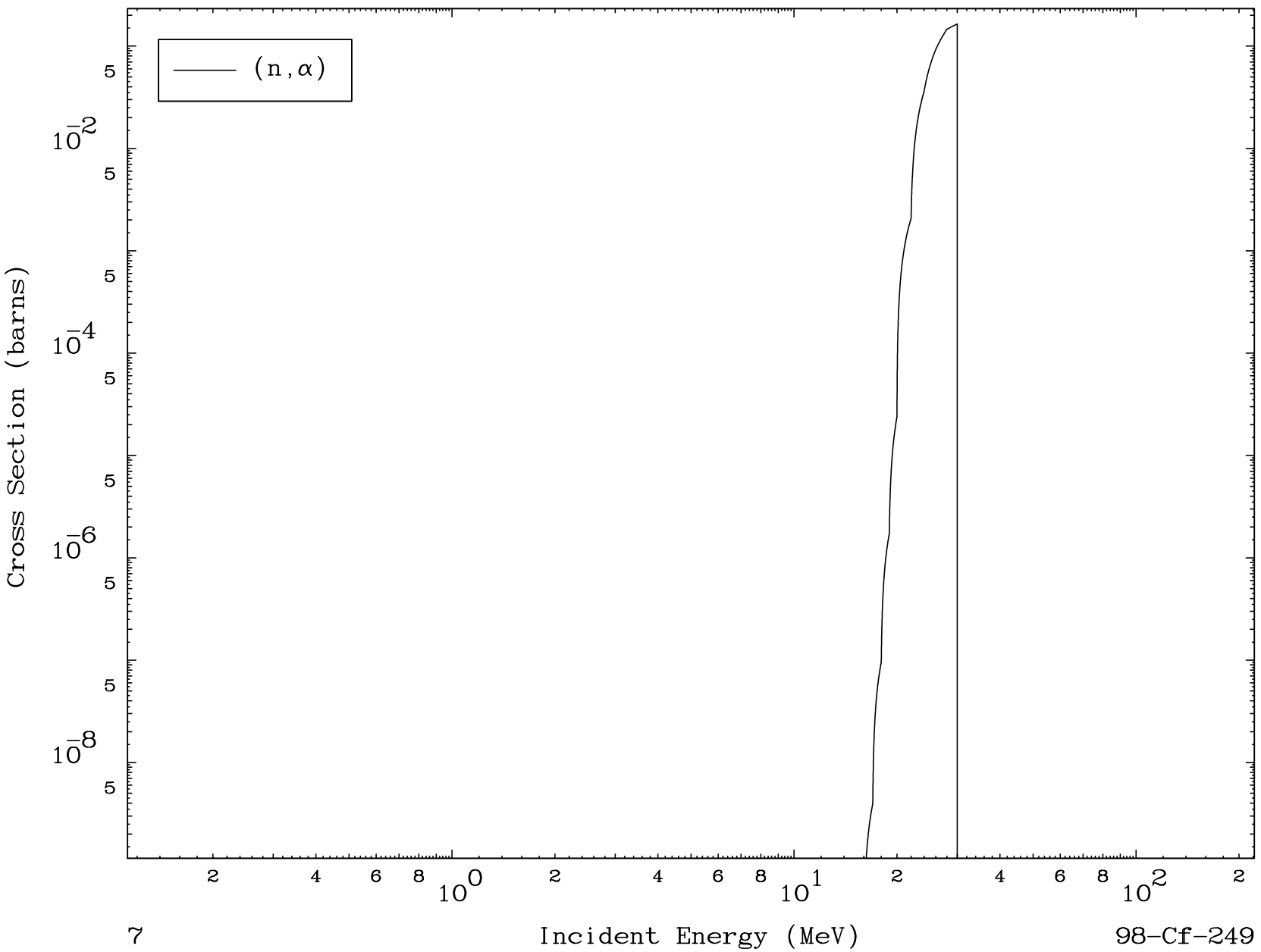

MAT 9852
α Neutron Absorption
0 Kelvin Cross Sections
98-Cf-249
(n,2n)
(n,3n)
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
98-Cf-249
2

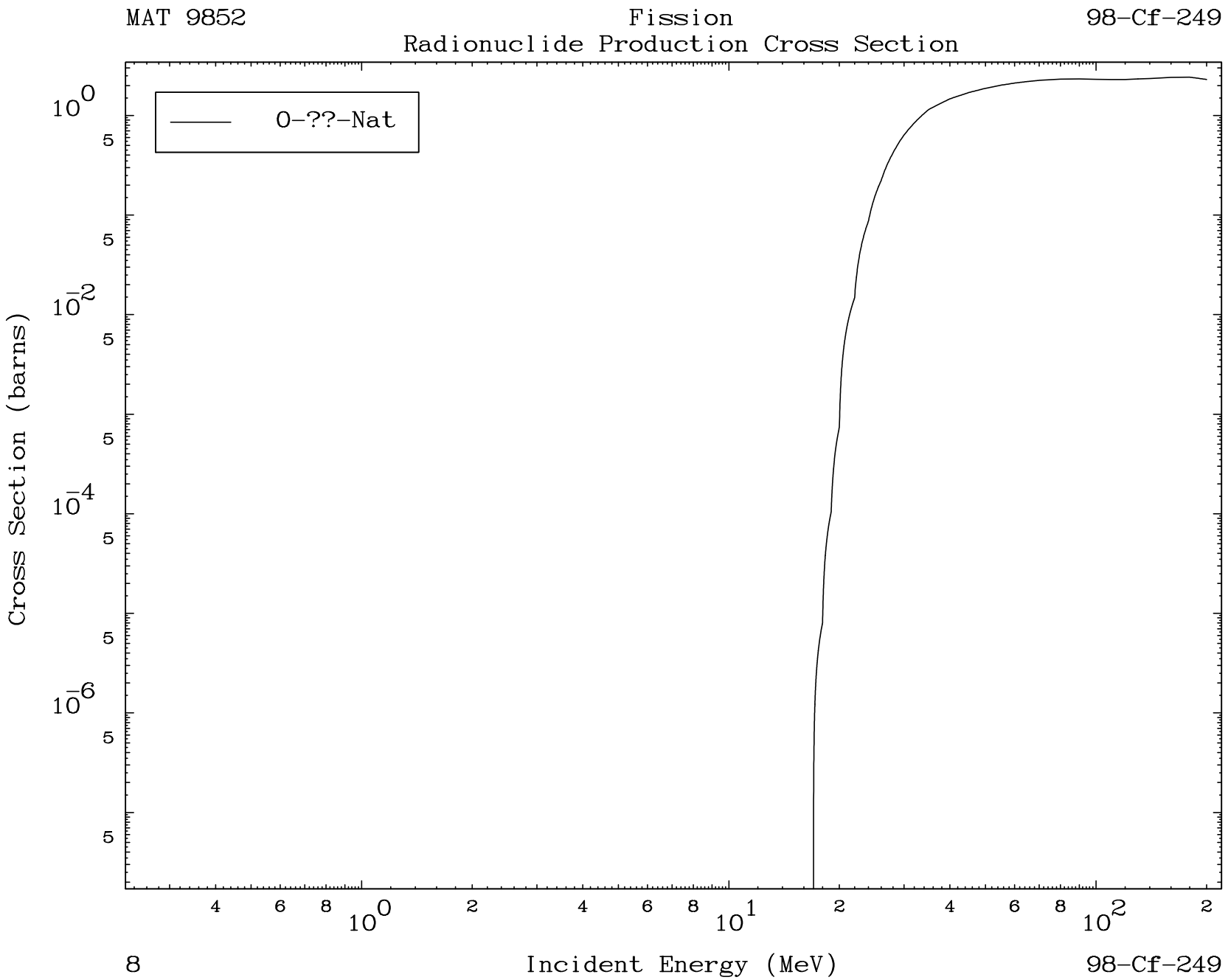

MAT 9852
α Charged Particle
0 Kelvin Cross Sections
98-Cf-249
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
98-Cf-249

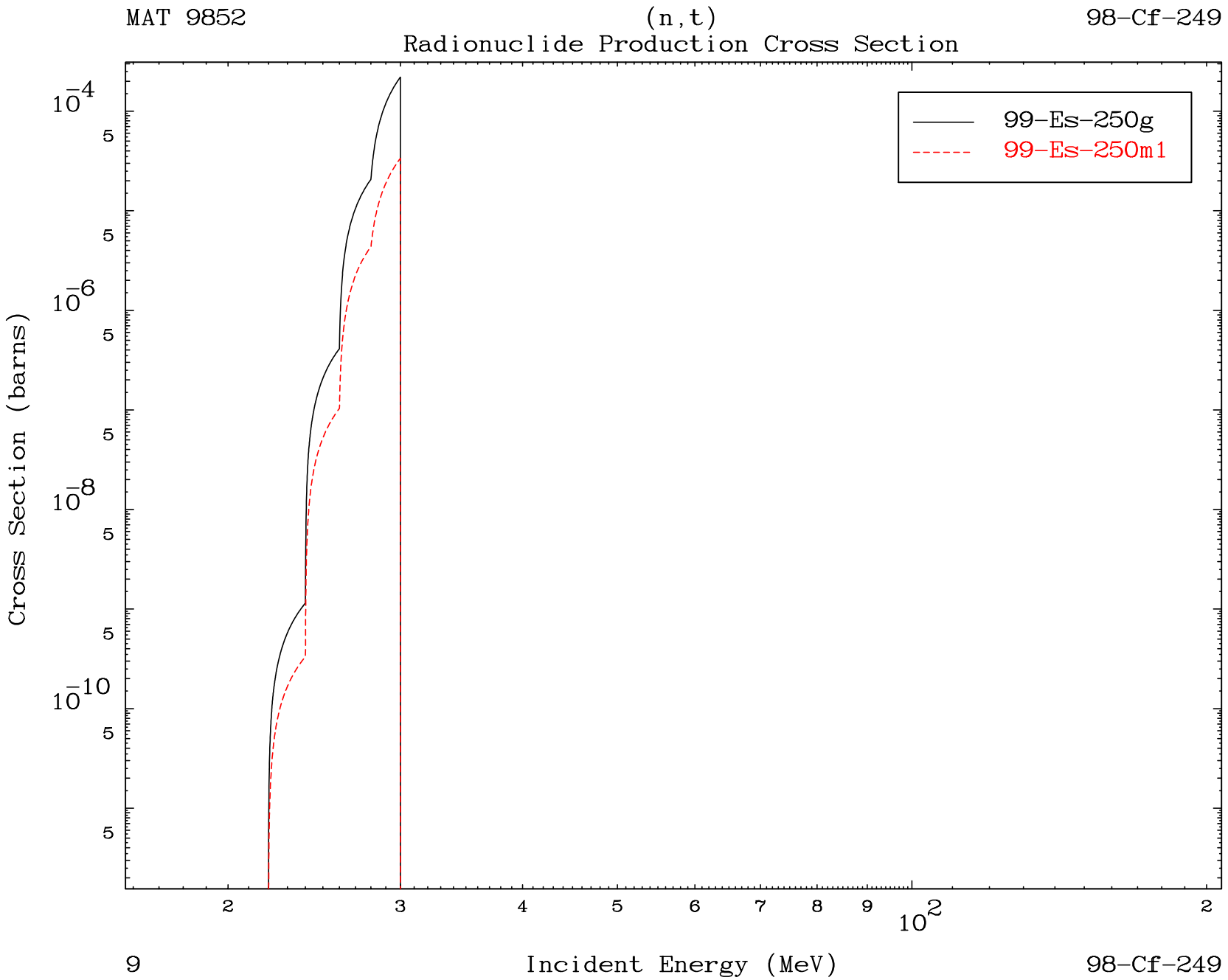

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 9852
(α,d) Levels
98-Cf-249
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
98-Cf-249


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


MAT 9852
Fission
98-Cf-249
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
98-Cf-249


MAT 9852
(n,t)
98-Cf-249
Radionuclide Production Cross Section
99-Es-250g
99-Es-250m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
98-Cf-249