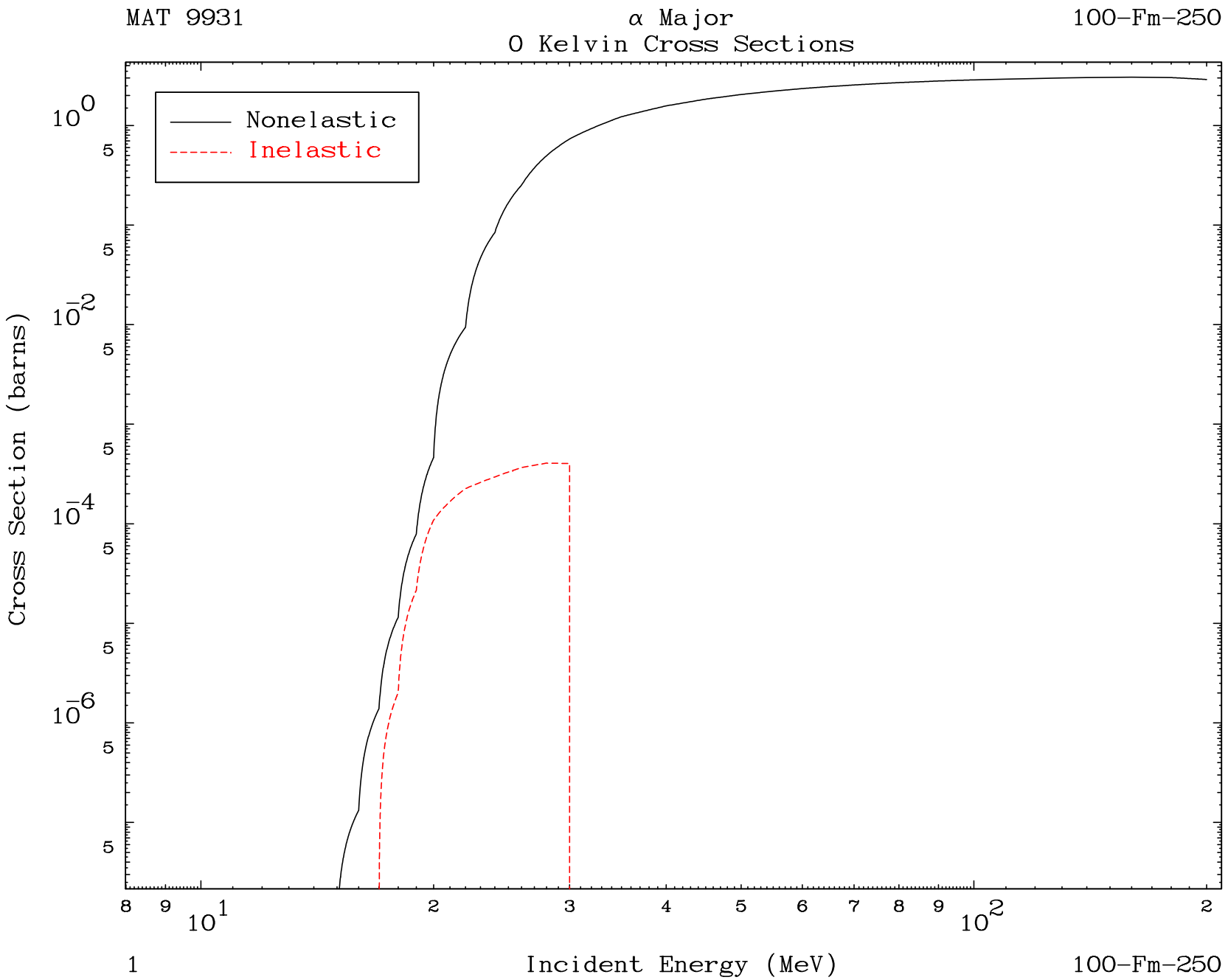
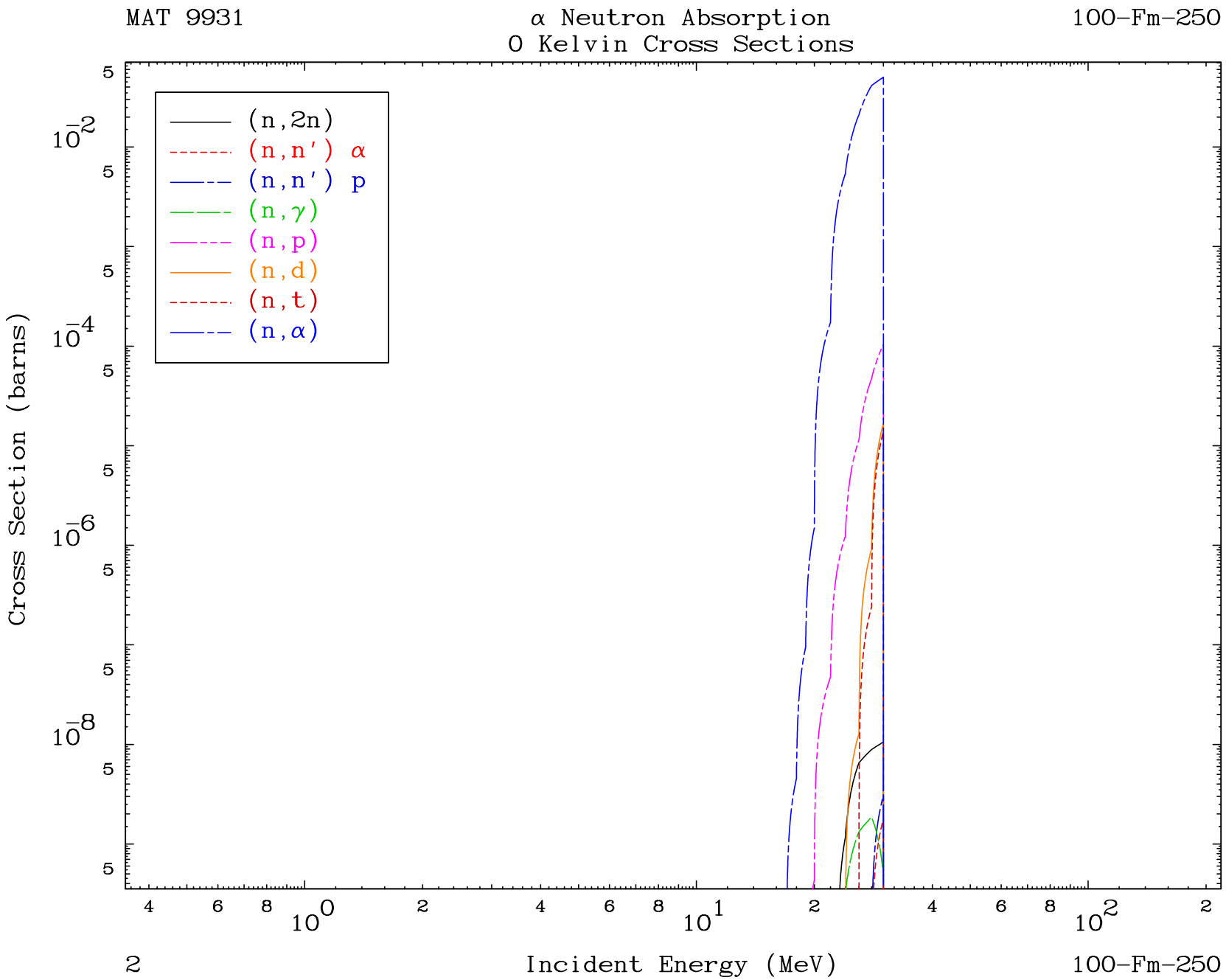
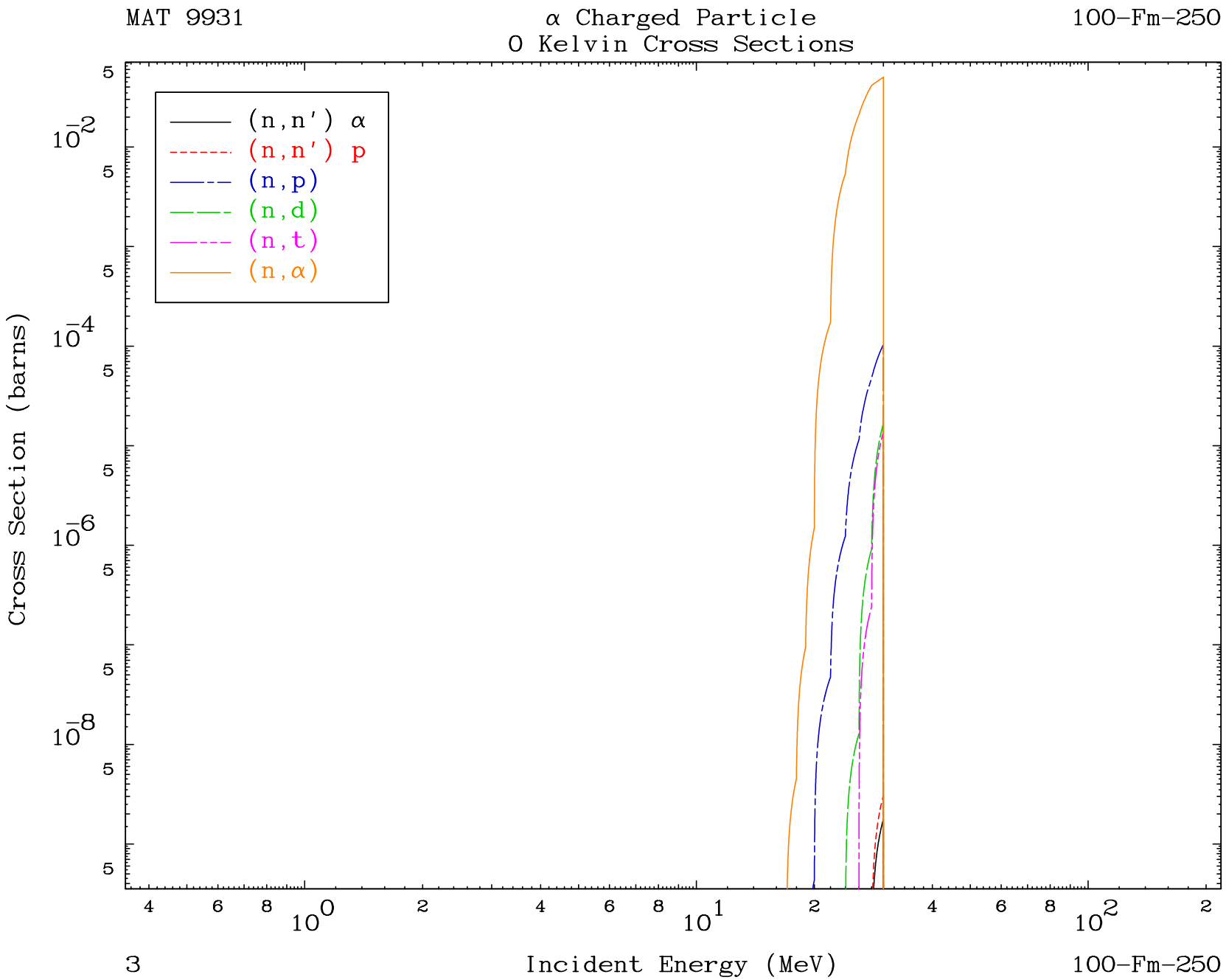
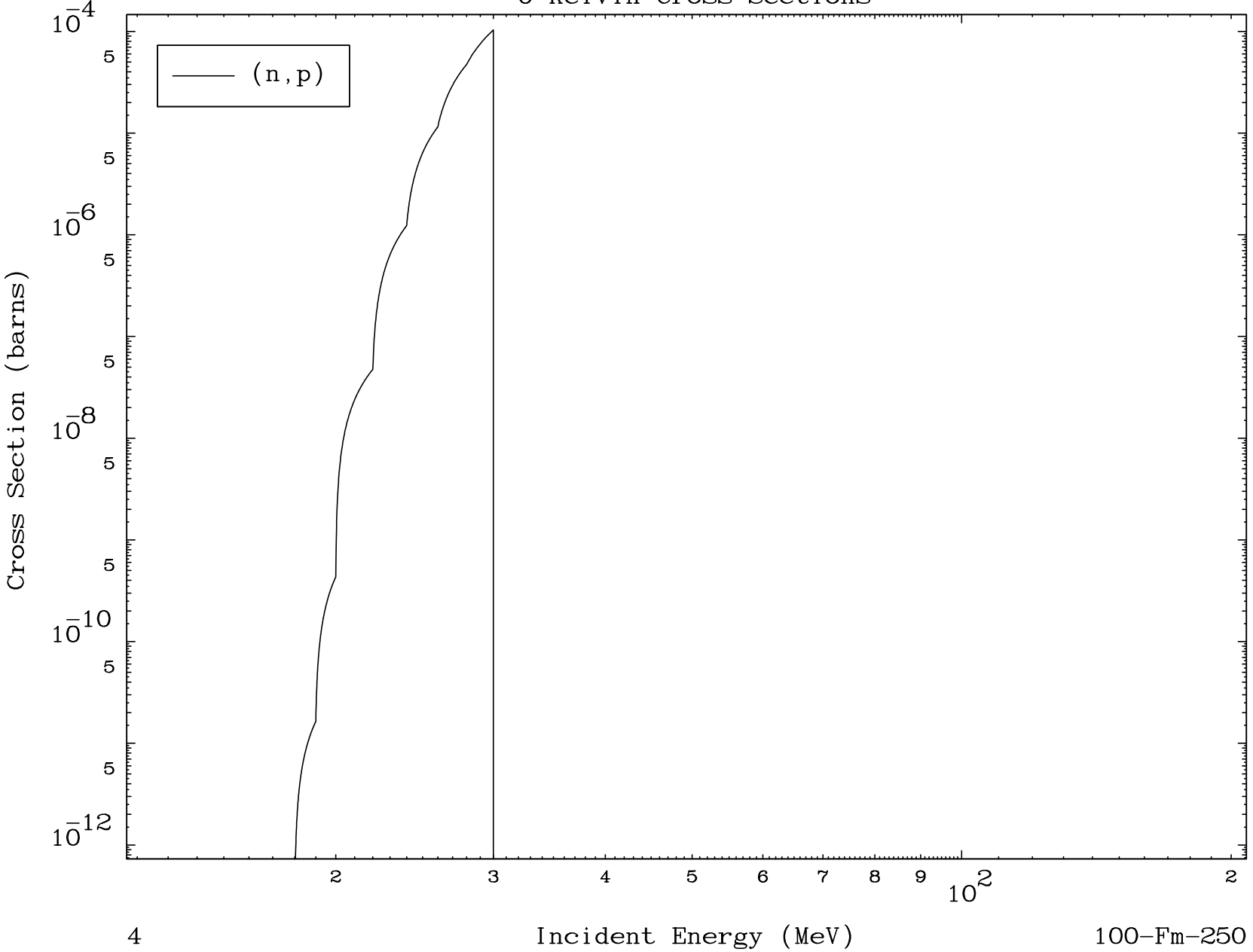
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

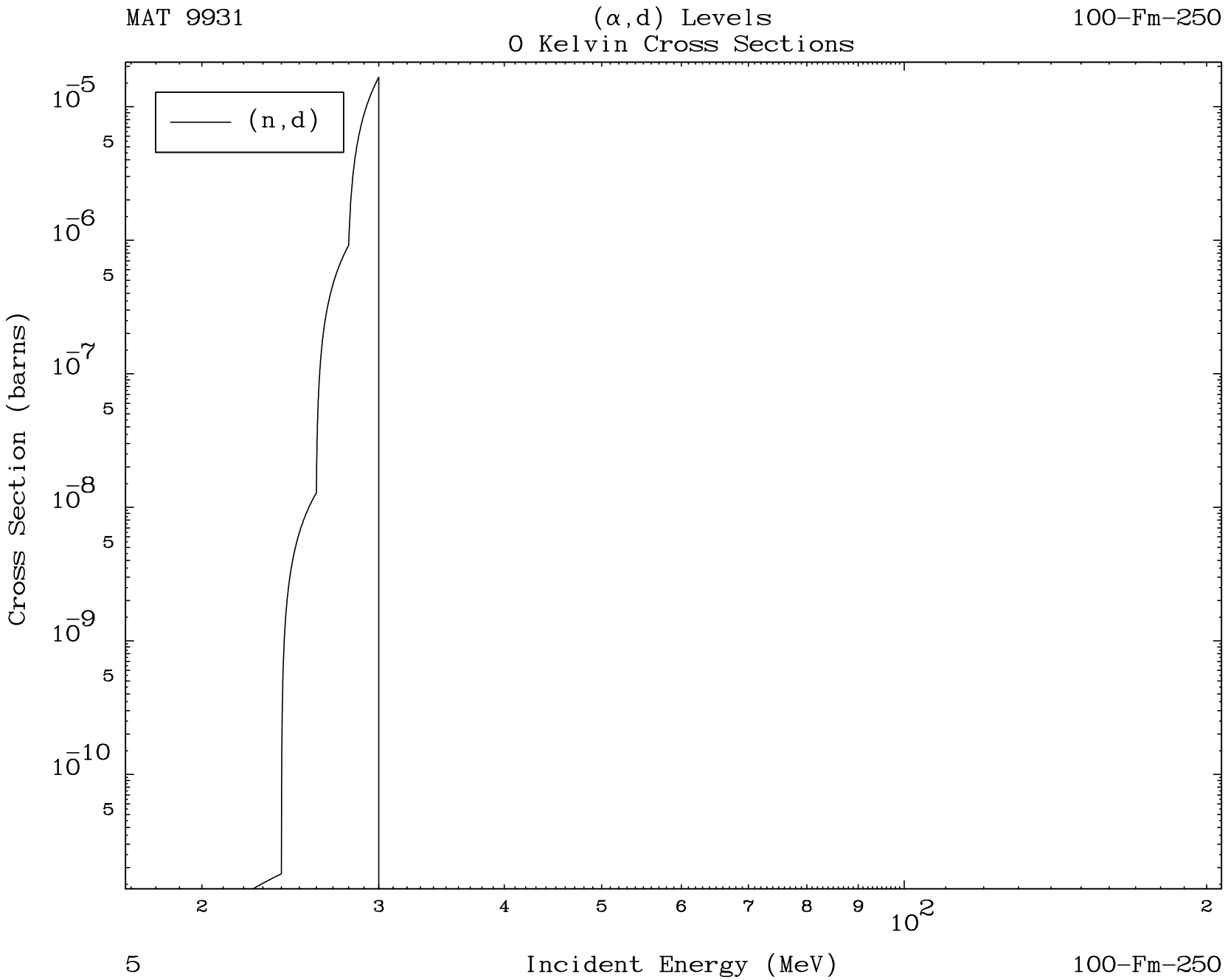
Press Mouse Button to Start


MAT 9931
α Major
100-Fm-250
0 Kelvin Cross Sections
Nonelastic
Inelastic
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
1
Incident Energy (MeV)
100-Fm-250

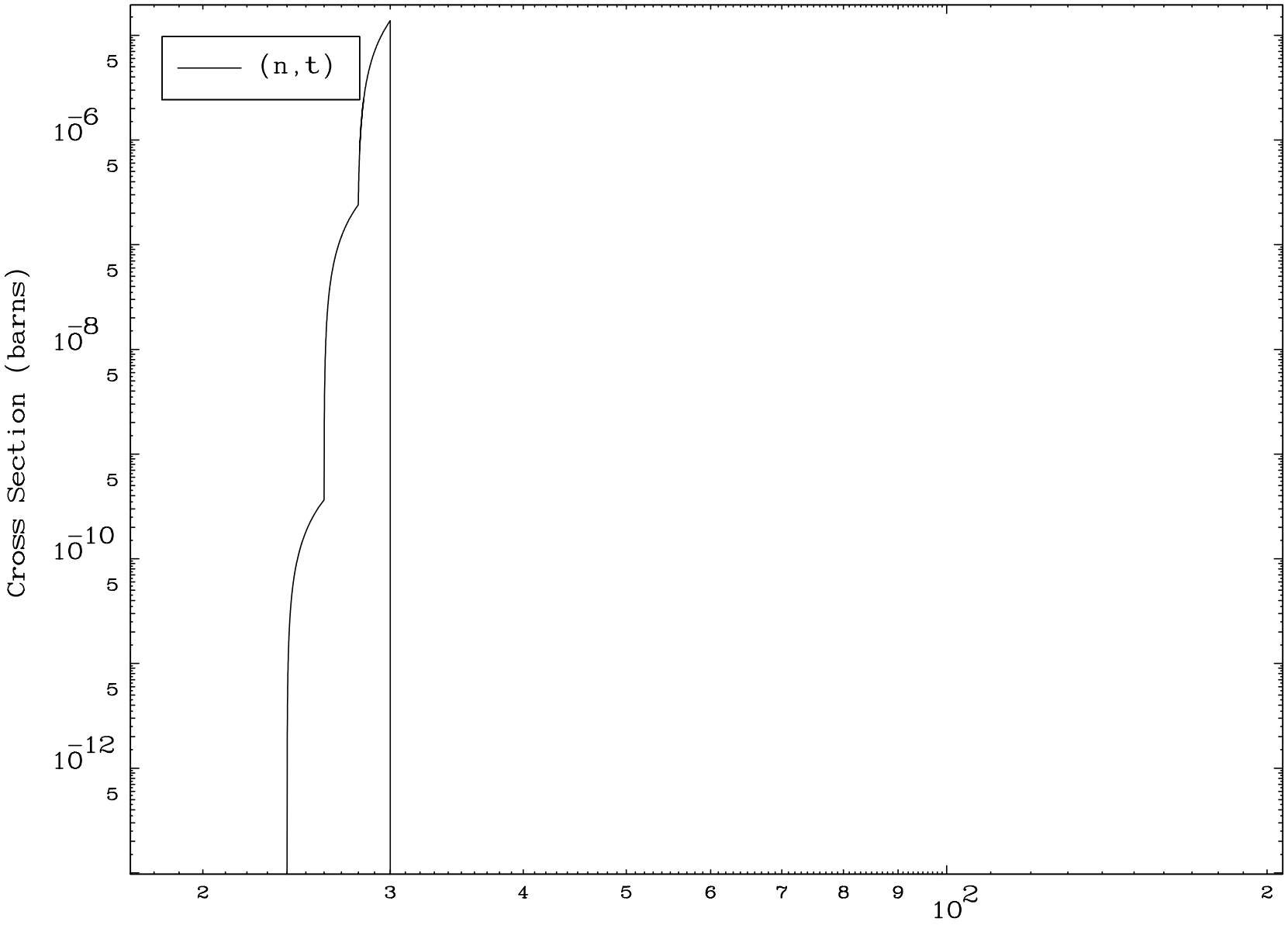

MAT 9931
α Neutron Absorption
0 Kelvin Cross Sections
100-Fm-250
(n,2n)
(n,n') α
(n,n') p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
100-Fm-250
2

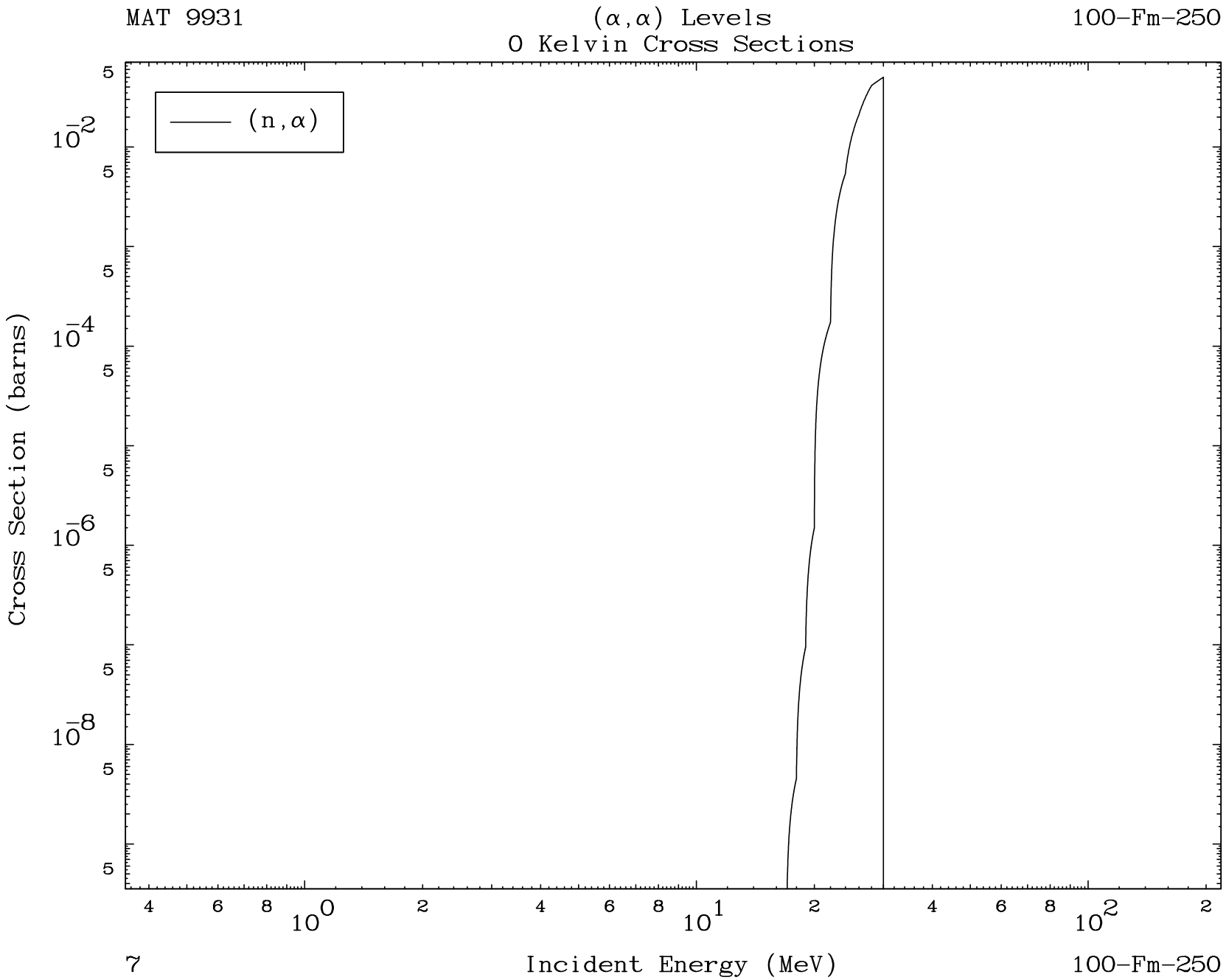

MAT 9931
α Charged Particle
0 Kelvin Cross Sections
100-Fm-250
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
100-Fm-250

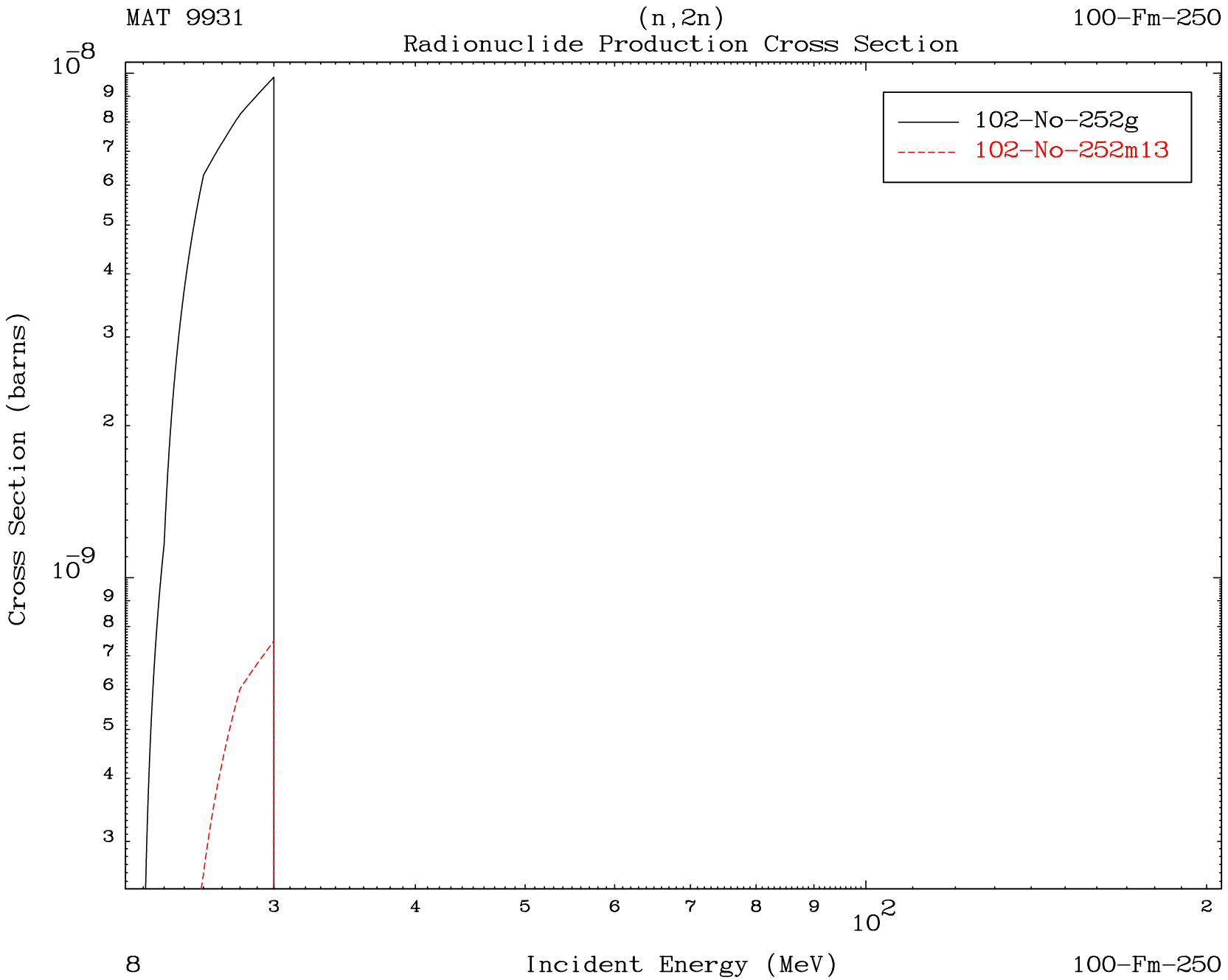

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
10-12
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

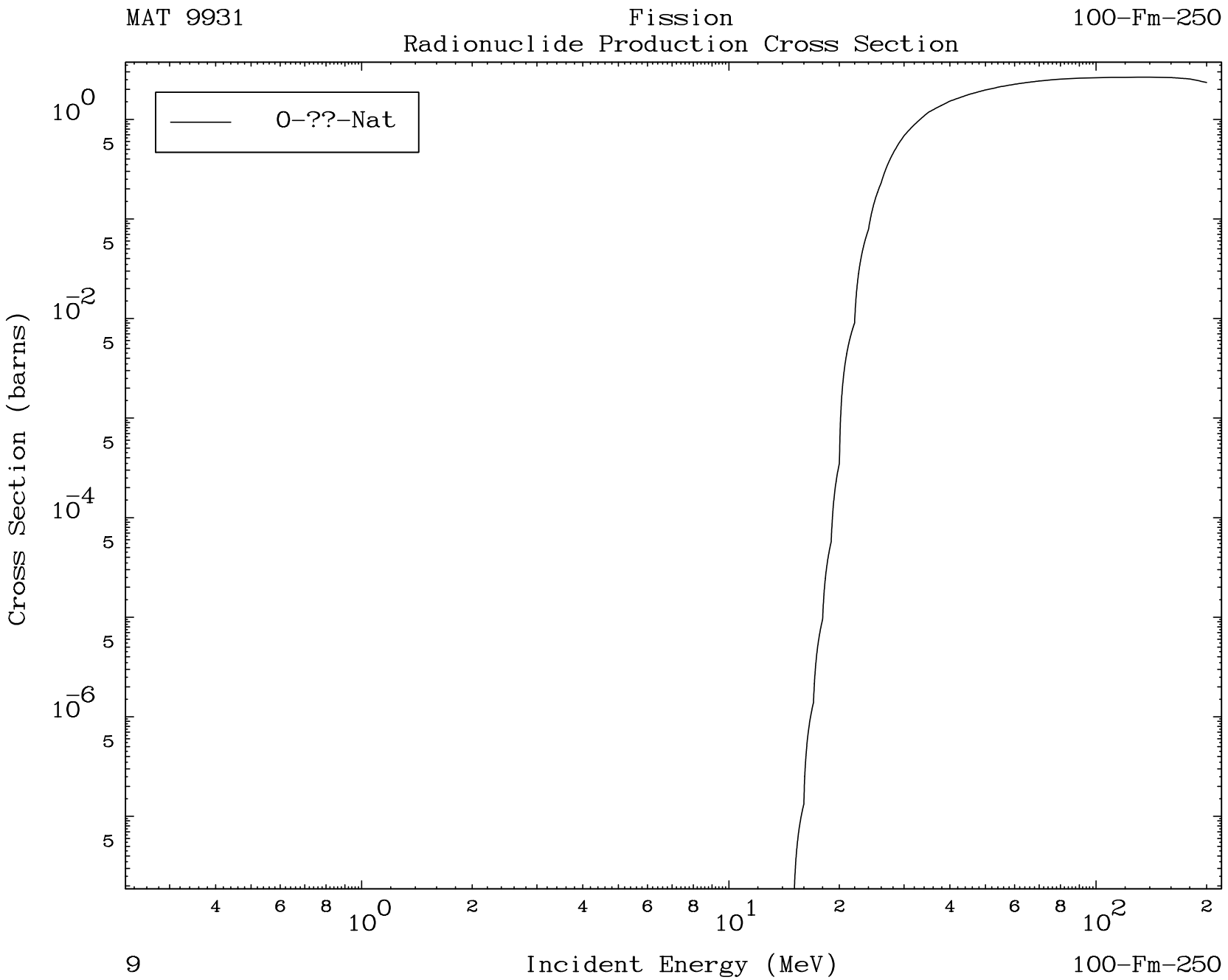

MAT 9931
(α,d) Levels
100-Fm-250
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-5
10-6
10-7
10-8
10-9
10-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
5
100-Fm-250

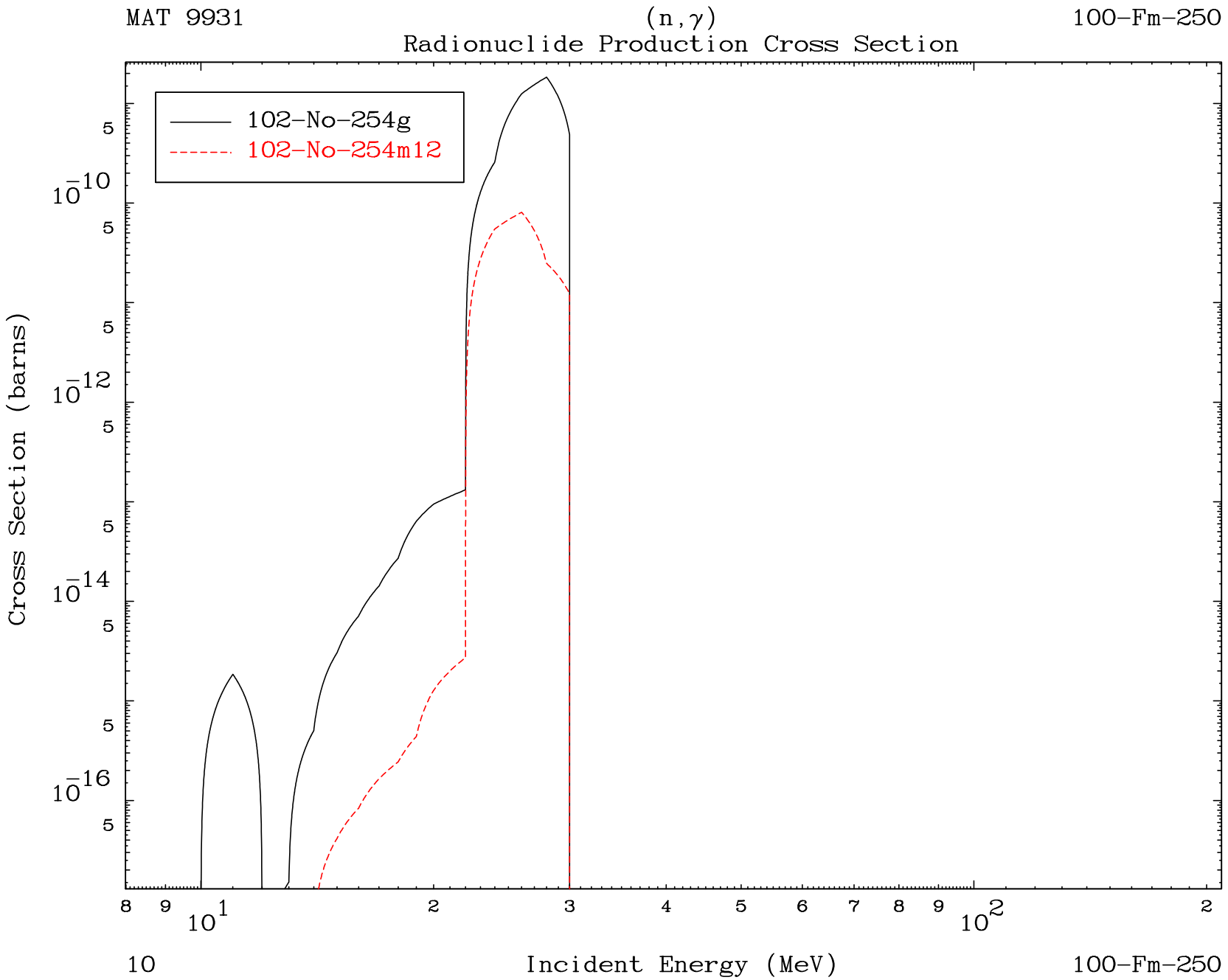
0 Kelvin Cross Sections




MAT 9931
(α,α) Levels
100-Fm-250
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
7
100-Fm-250


MAT 9931
(n,2n)
100-Fm-250
Radionuclide Production Cross Section
102-No-252g
102-No-252m13
Cross Section (barns)
Incident Energy (MeV)
8
100-Fm-250


MAT 9931
Fission
100-Fm-250
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
100-Fm-250


MAT 9931
(n,γ)
100-Fm-250
Radionuclide Production Cross Section
102-No-254g
102-No-254m12
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
Incident Energy (MeV)
10
10^1
10^2
100-Fm-250