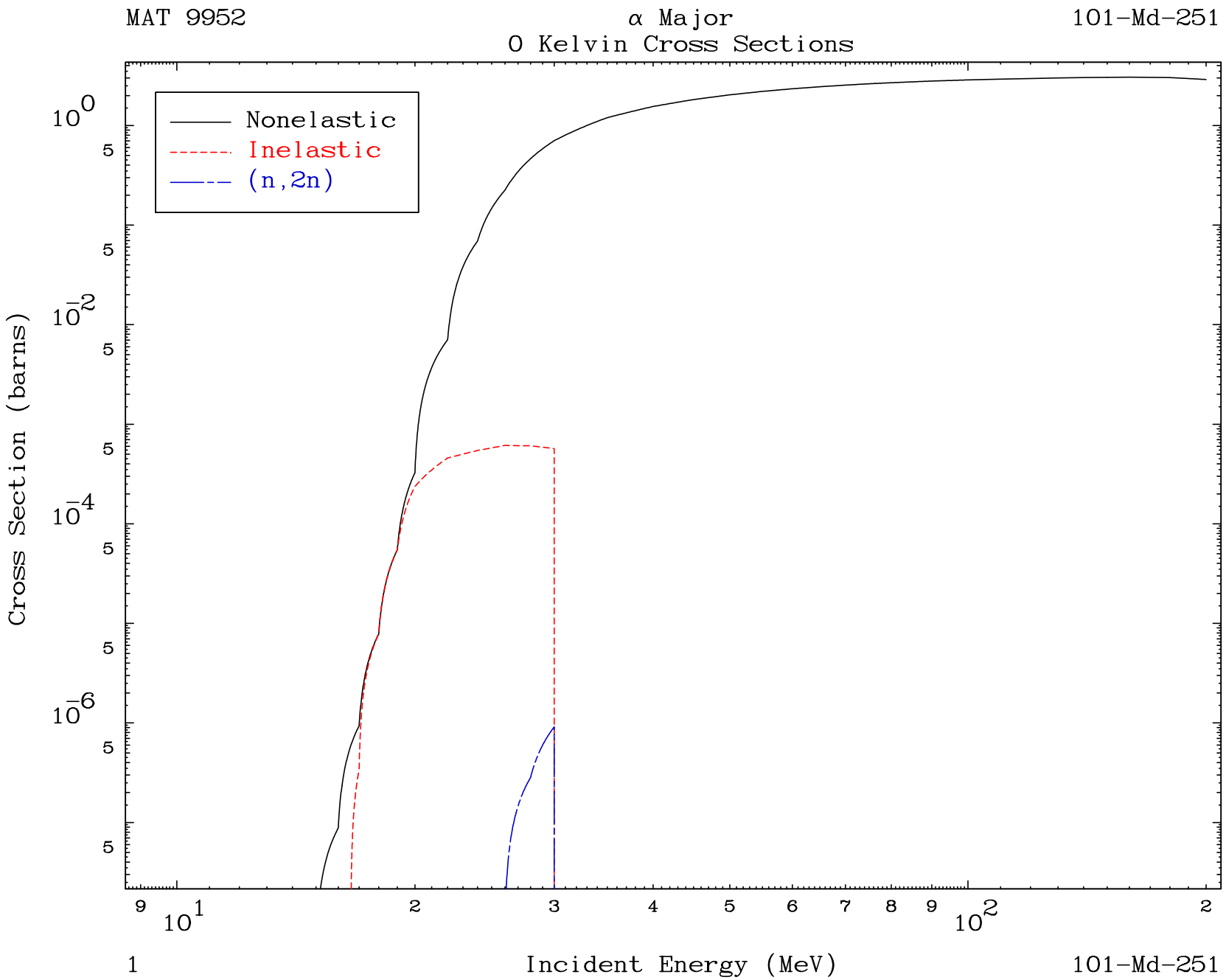
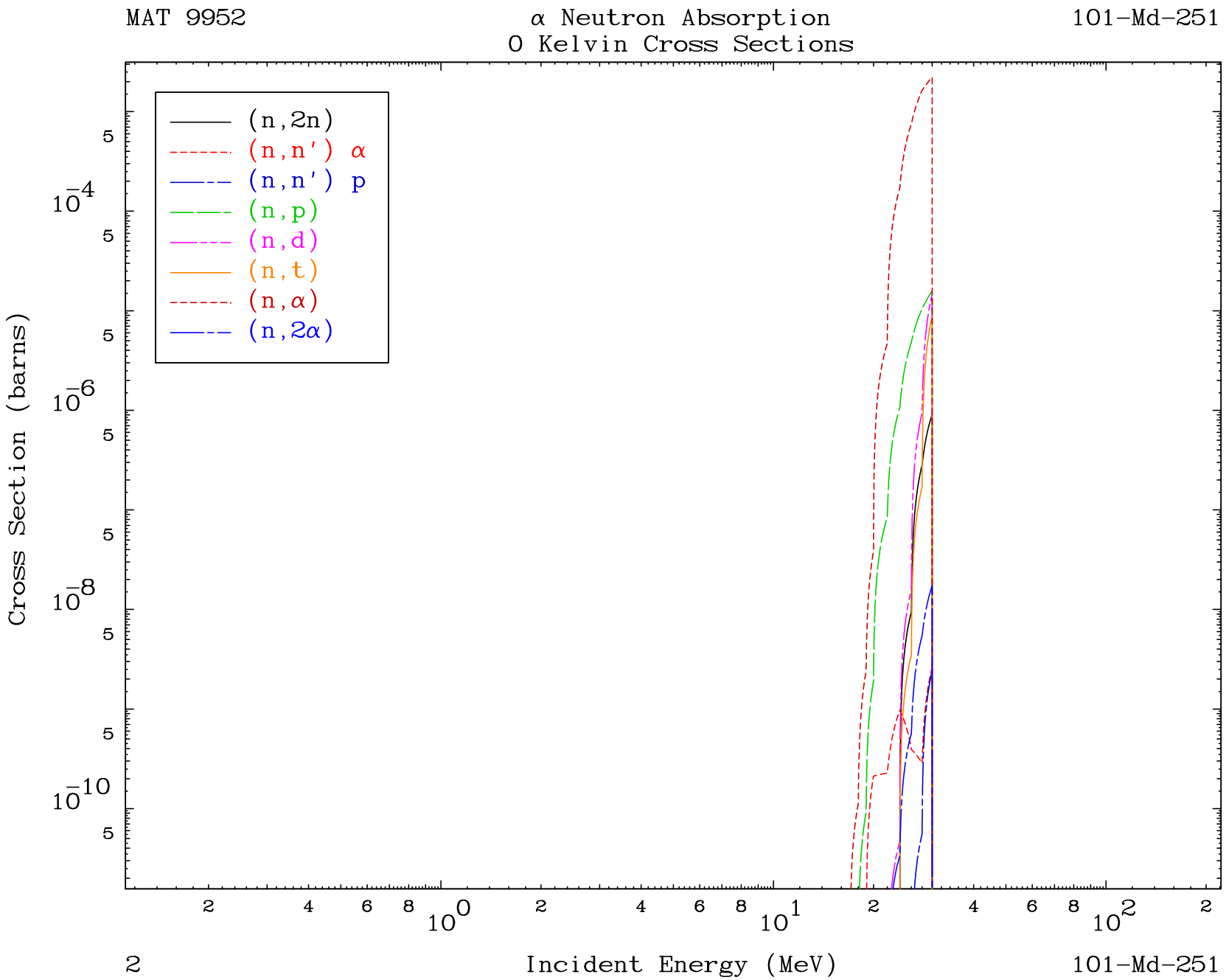
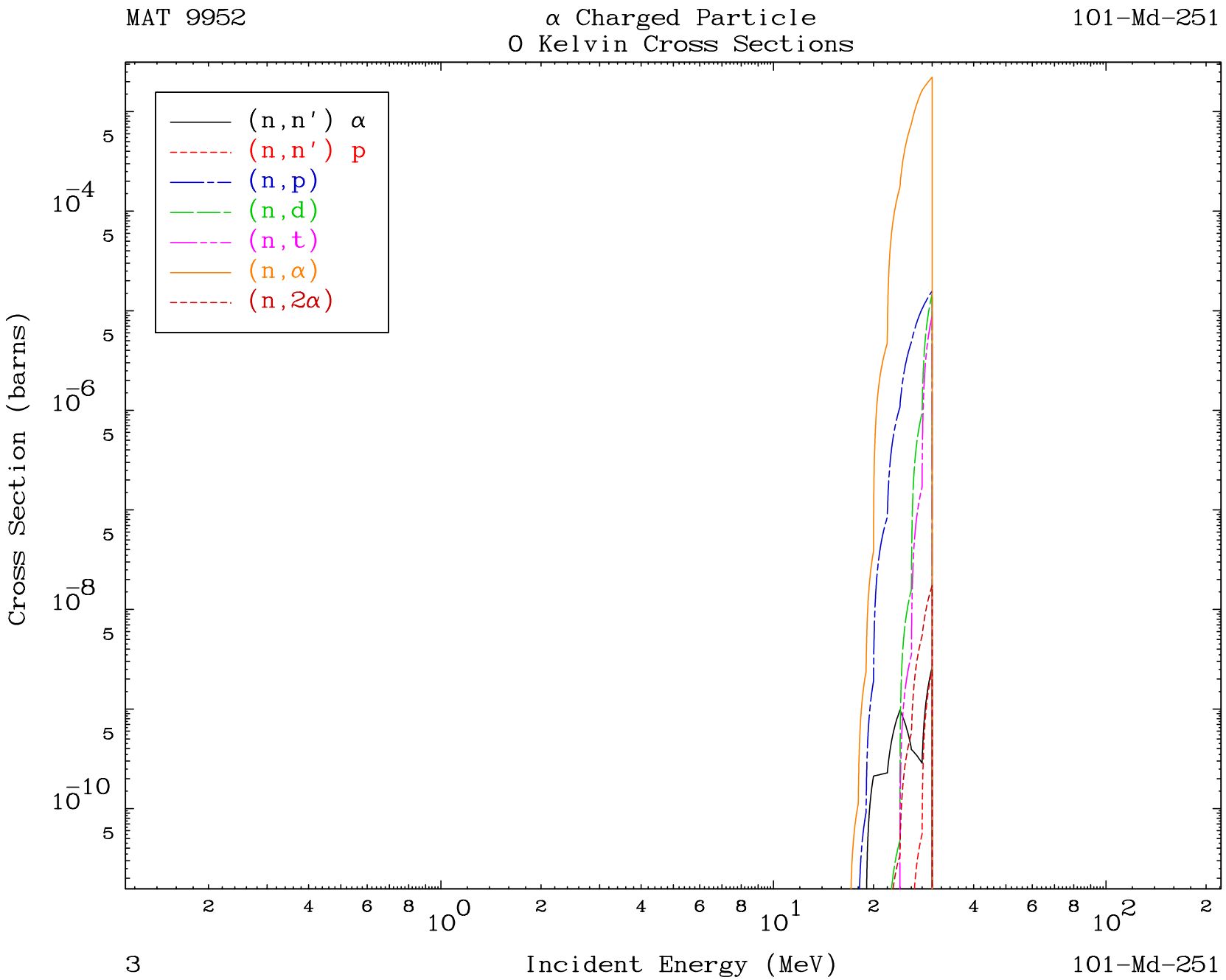
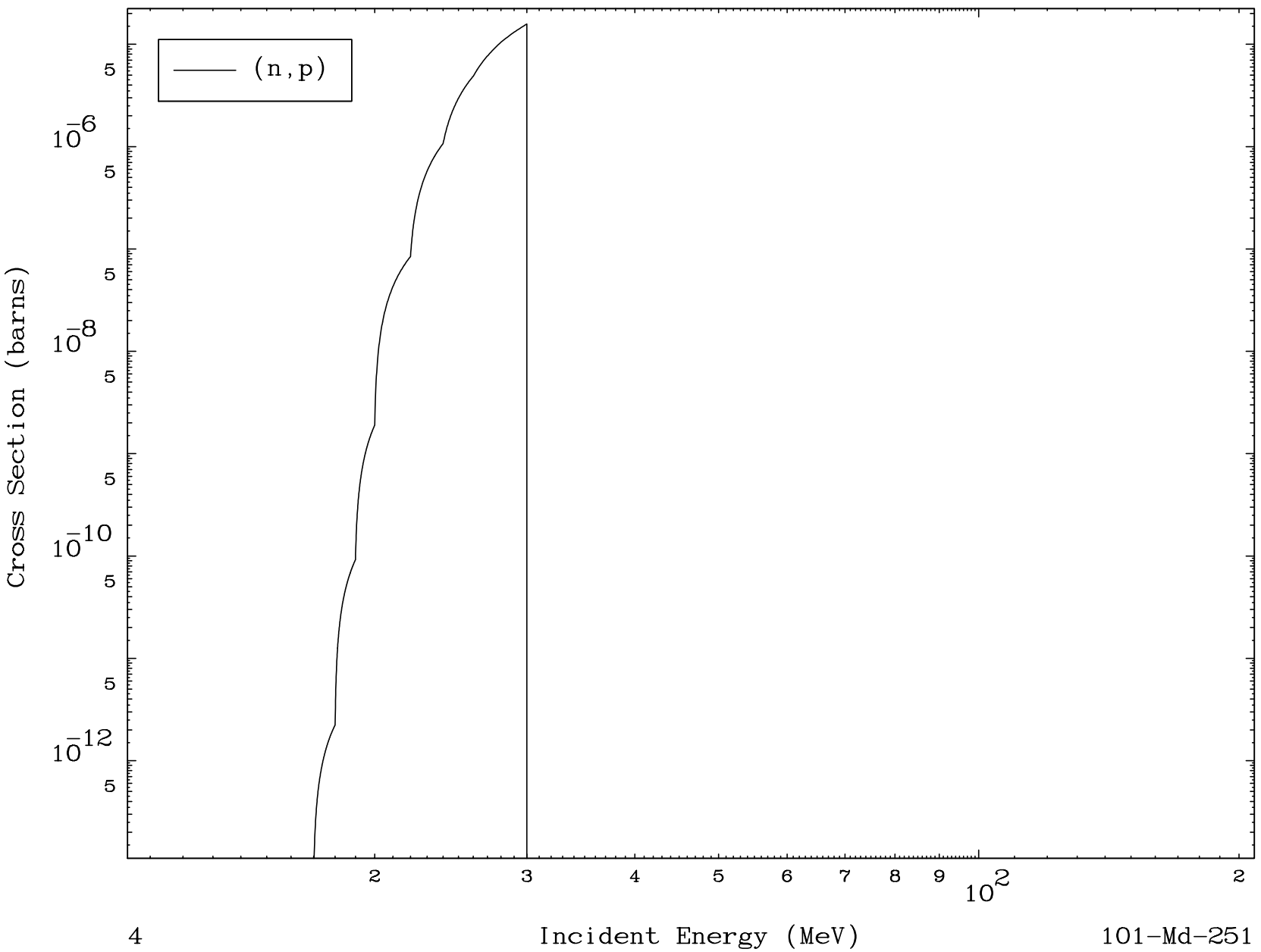
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

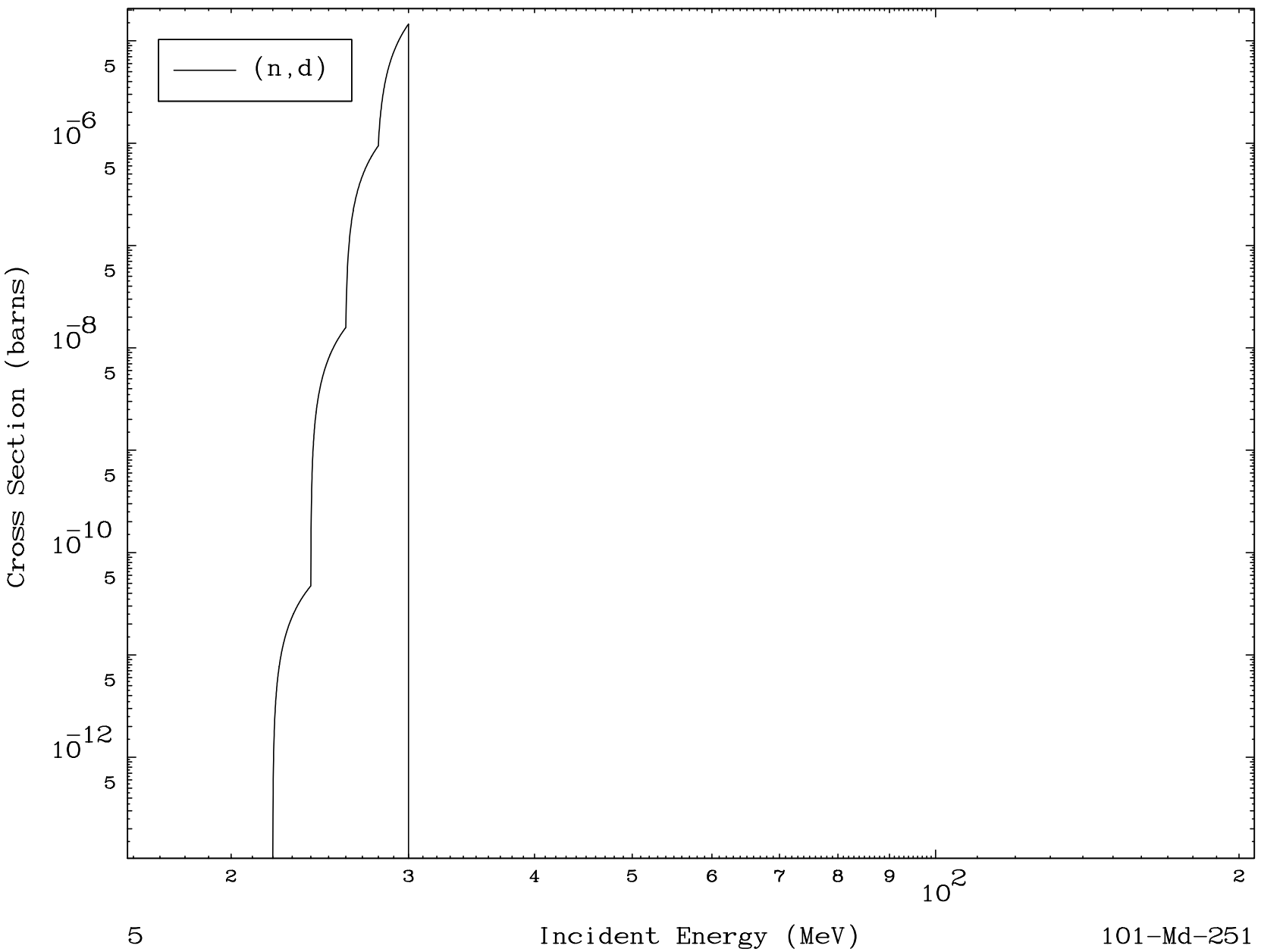
Press Mouse Button to Start


MAT 9952
α Major
101-Md-251
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
1
Incident Energy (MeV)
101-Md-251

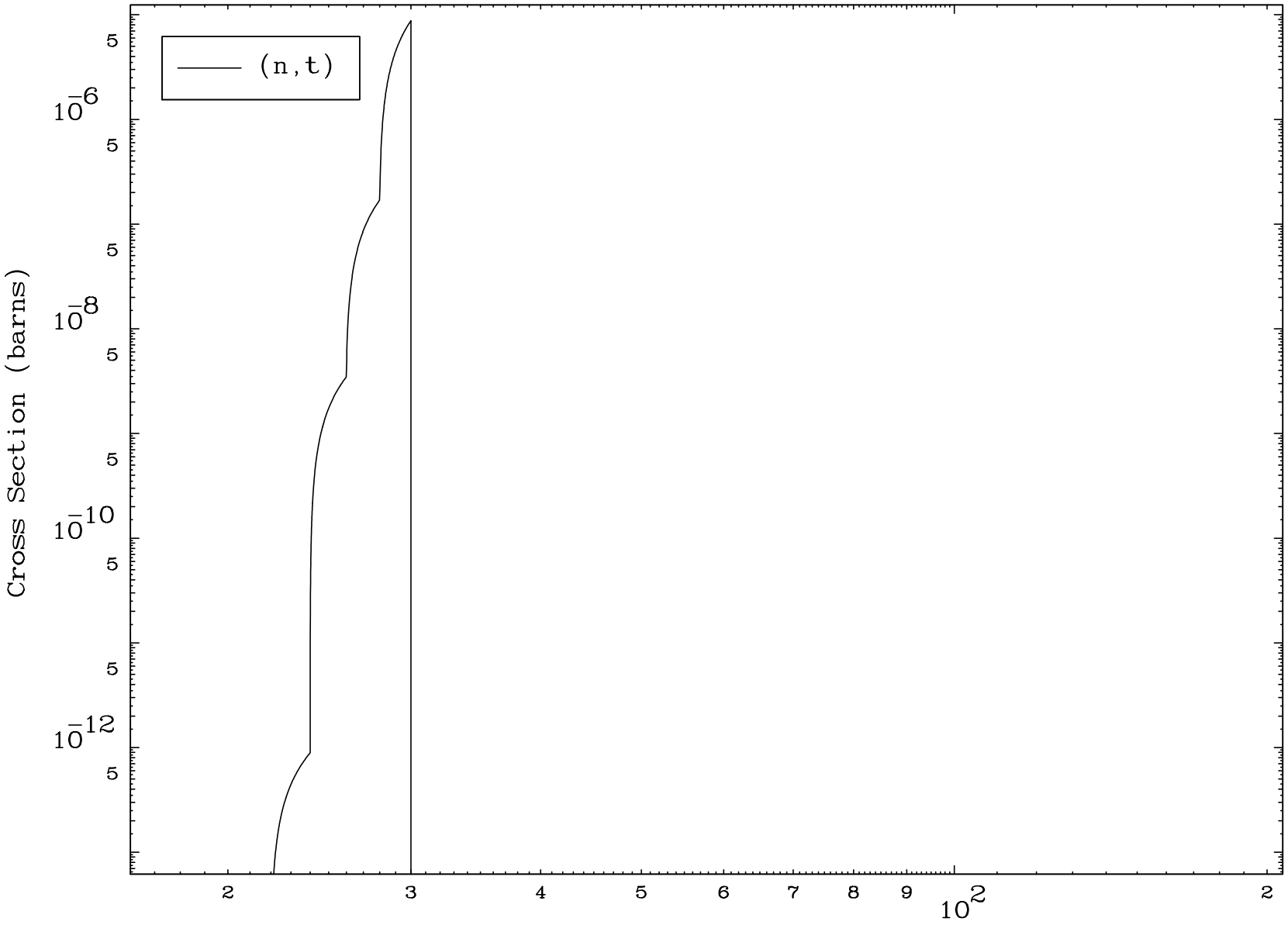

MAT 9952
α Neutron Absorption
0 Kelvin Cross Sections
101-Md-251
(n,2n)
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
101-Md-251
2

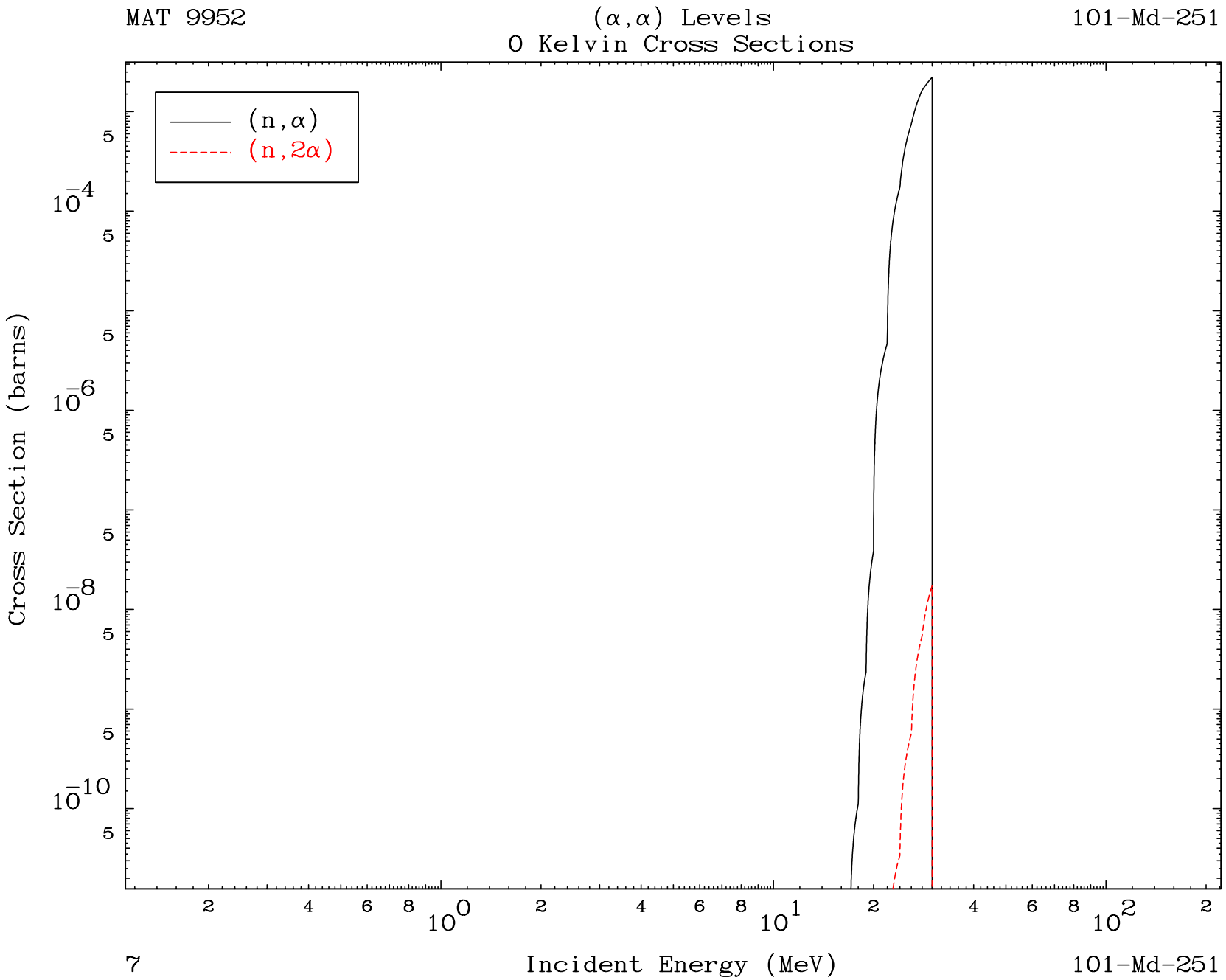

MAT 9952
α Charged Particle
0 Kelvin Cross Sections
101-Md-251
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
3
101-Md-251

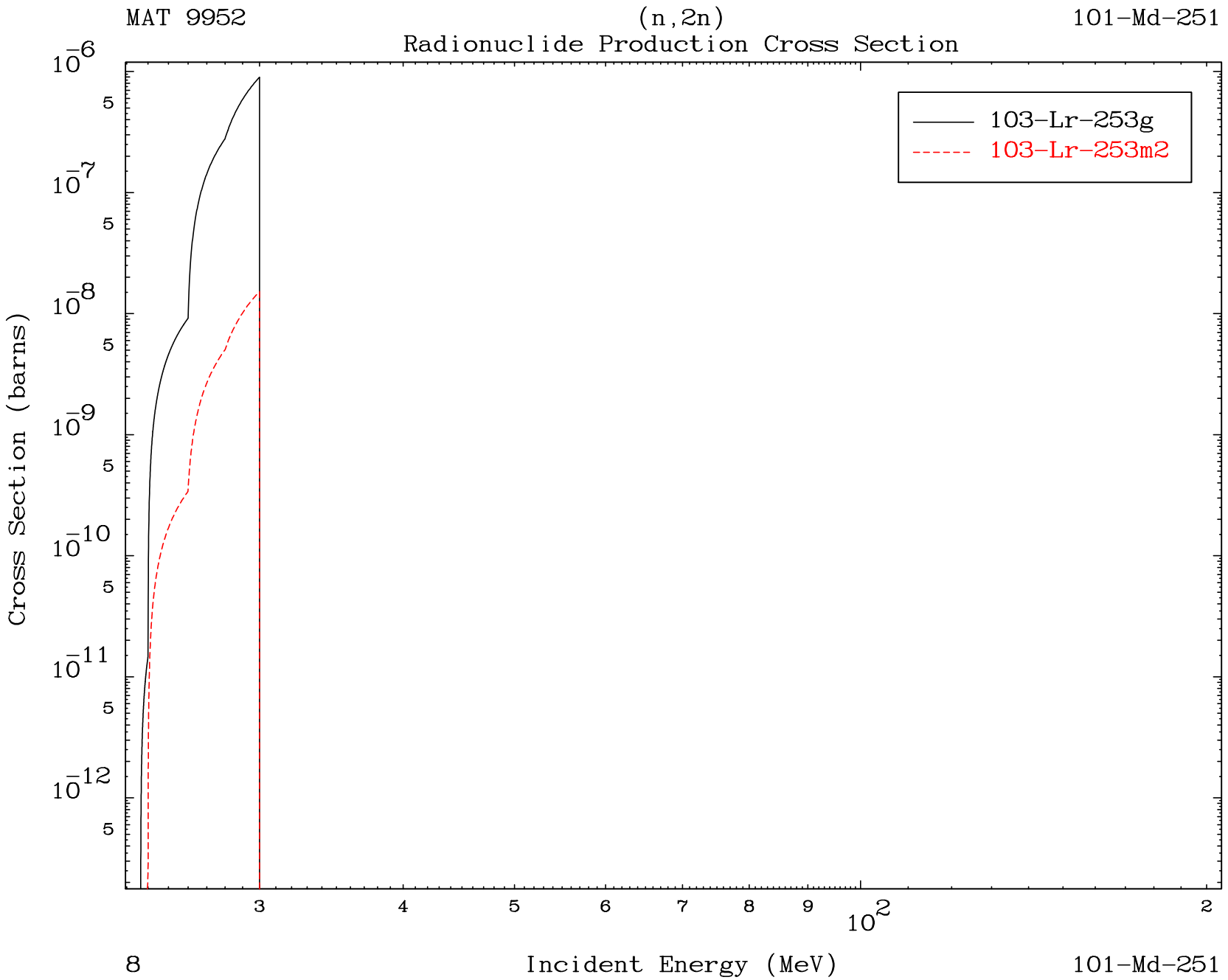

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

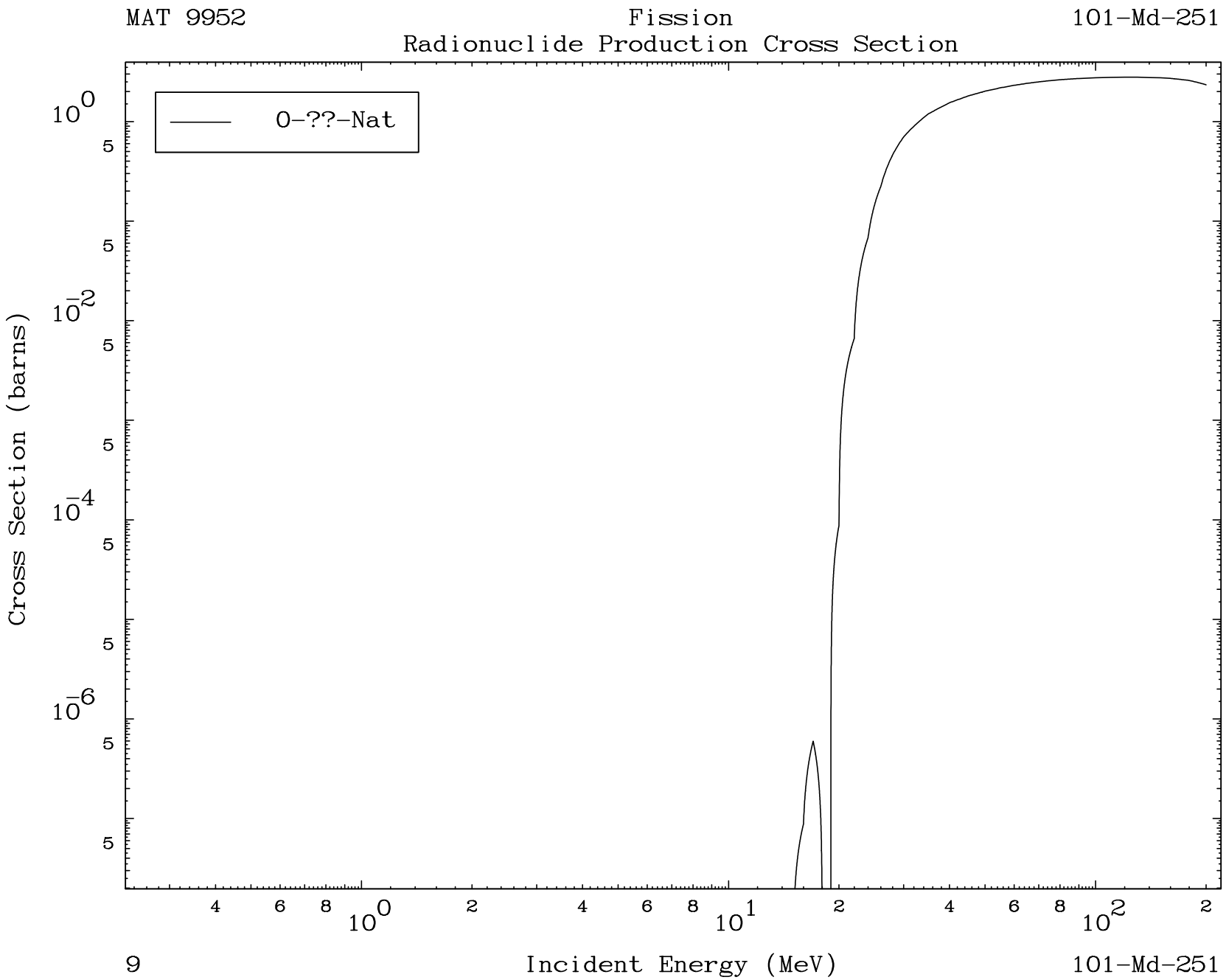

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

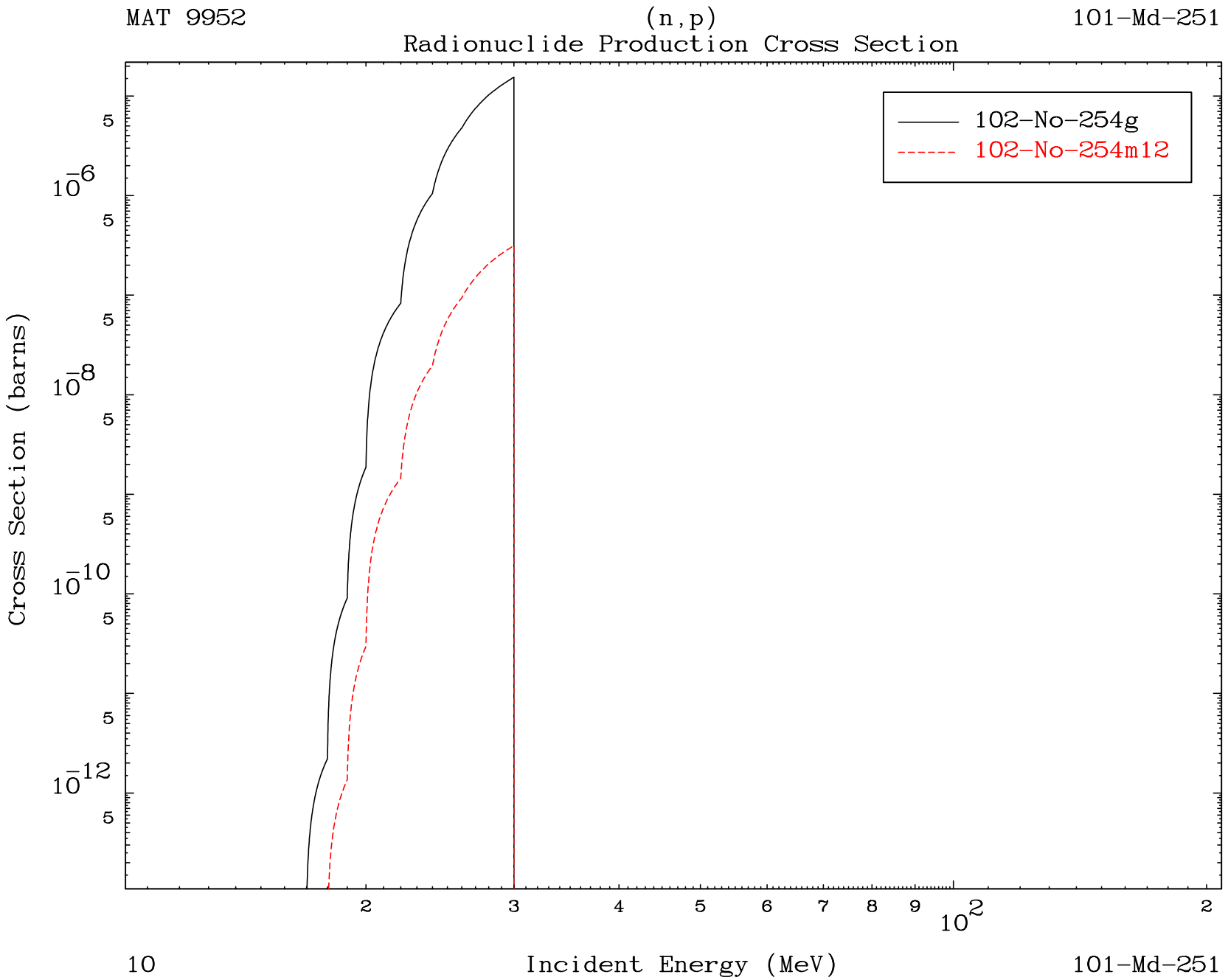
0 Kelvin Cross Sections

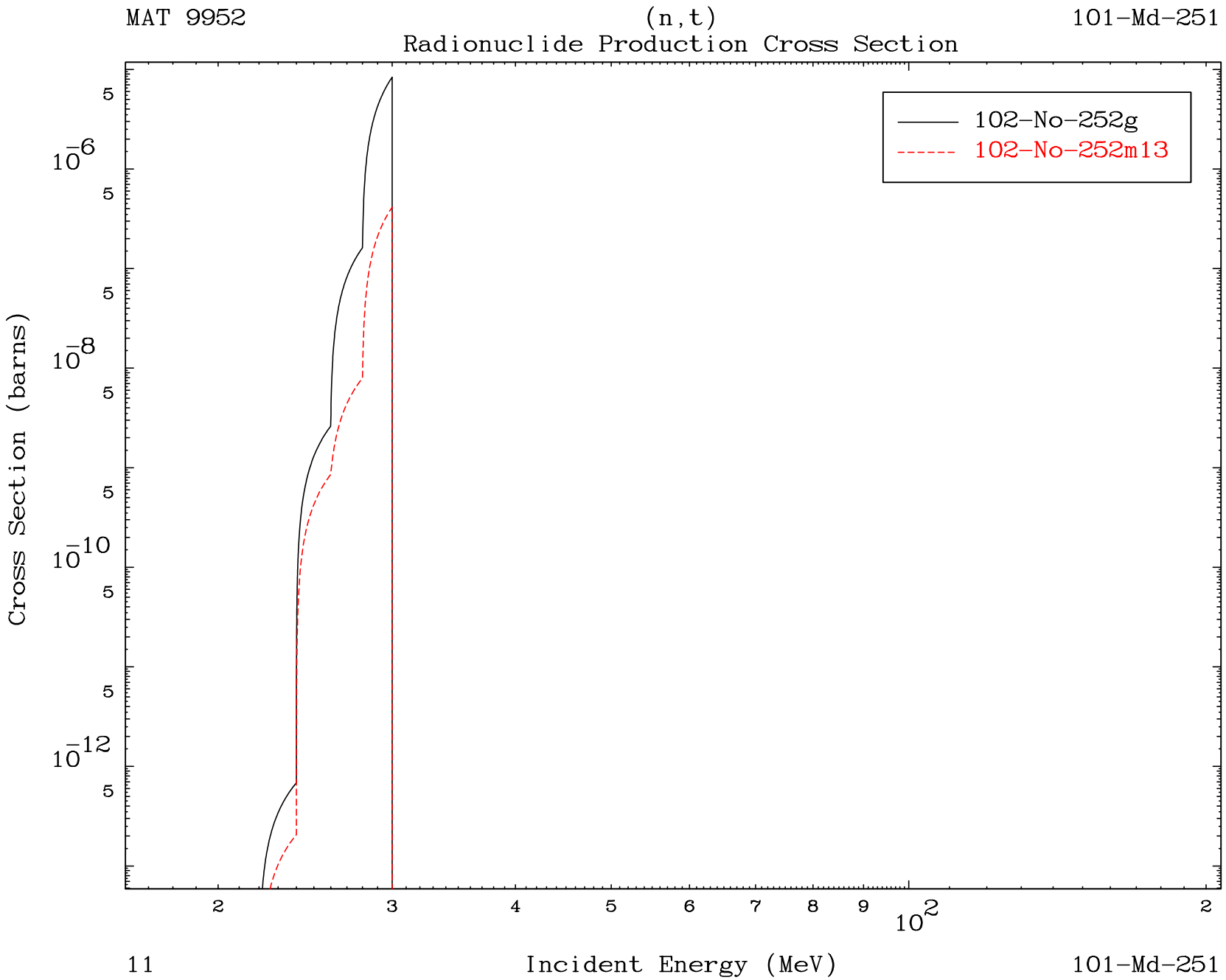


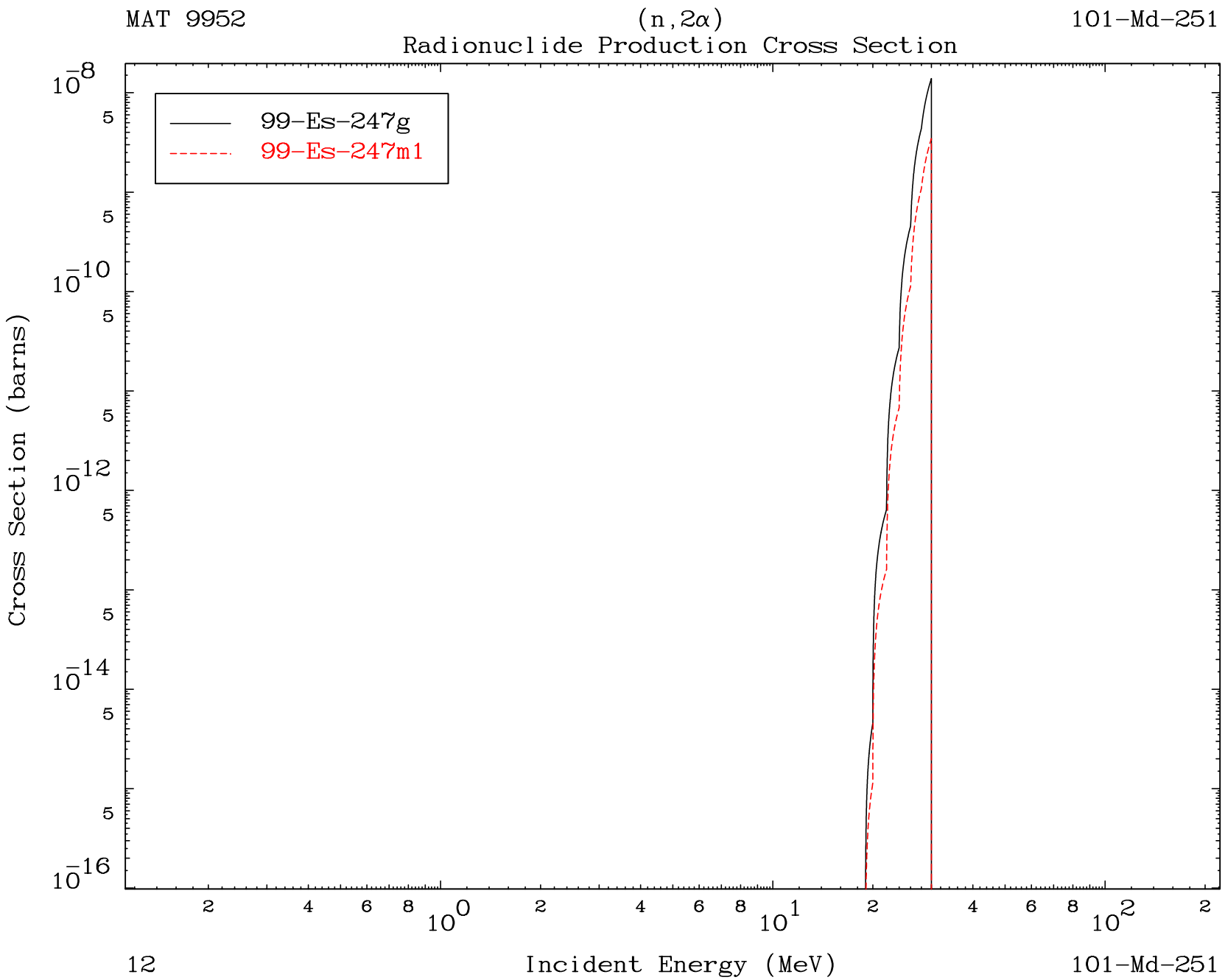

MAT 9952
(α,α) Levels
101-Md-251
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
7
101-Md-251


MAT 9952
(n,2n)
101-Md-251
Radionuclide Production Cross Section
103-Lr-253g
103-Lr-253m2
Cross Section (barns)
Incident Energy (MeV)
101-Md-251


MAT 9952
Fission
101-Md-251
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
101-Md-251


MAT 9952
(n,p)
101-Md-251
Radionuclide Production Cross Section
102-No-254g
102-No-254m12
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
101-Md-251


MAT 9952
(n,t)
101-Md-251
Radionuclide Production Cross Section
102-No-252g
102-No-252m13
Cross Section (barns)
Incident Energy (MeV)
11
101-Md-251


MAT 9952
(n,2α)
101-Md-251
Radionuclide Production Cross Section
99-Es-247g
99-Es-247m1
Cross Section (barns)
Incident Energy (MeV)
12
101-Md-251