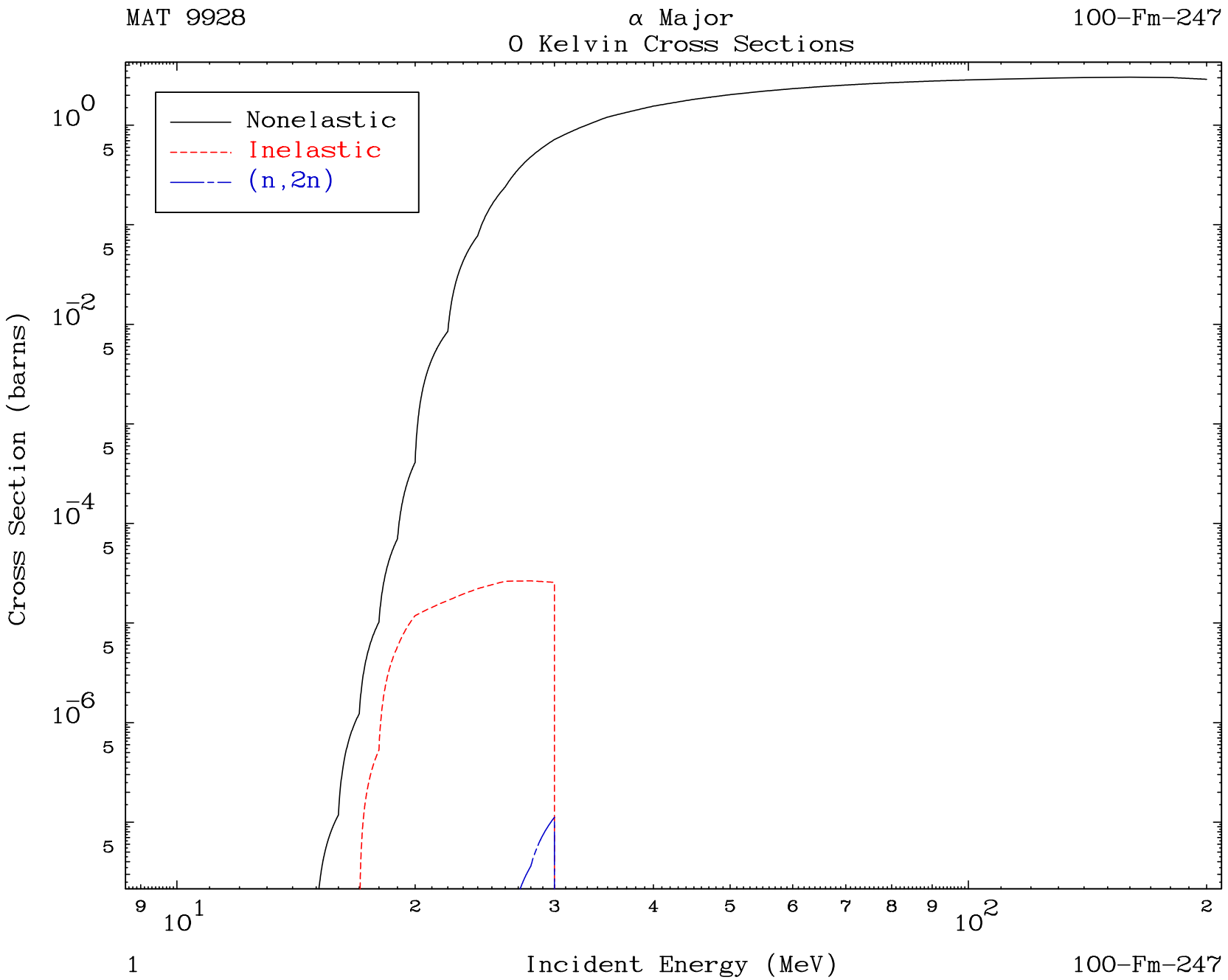
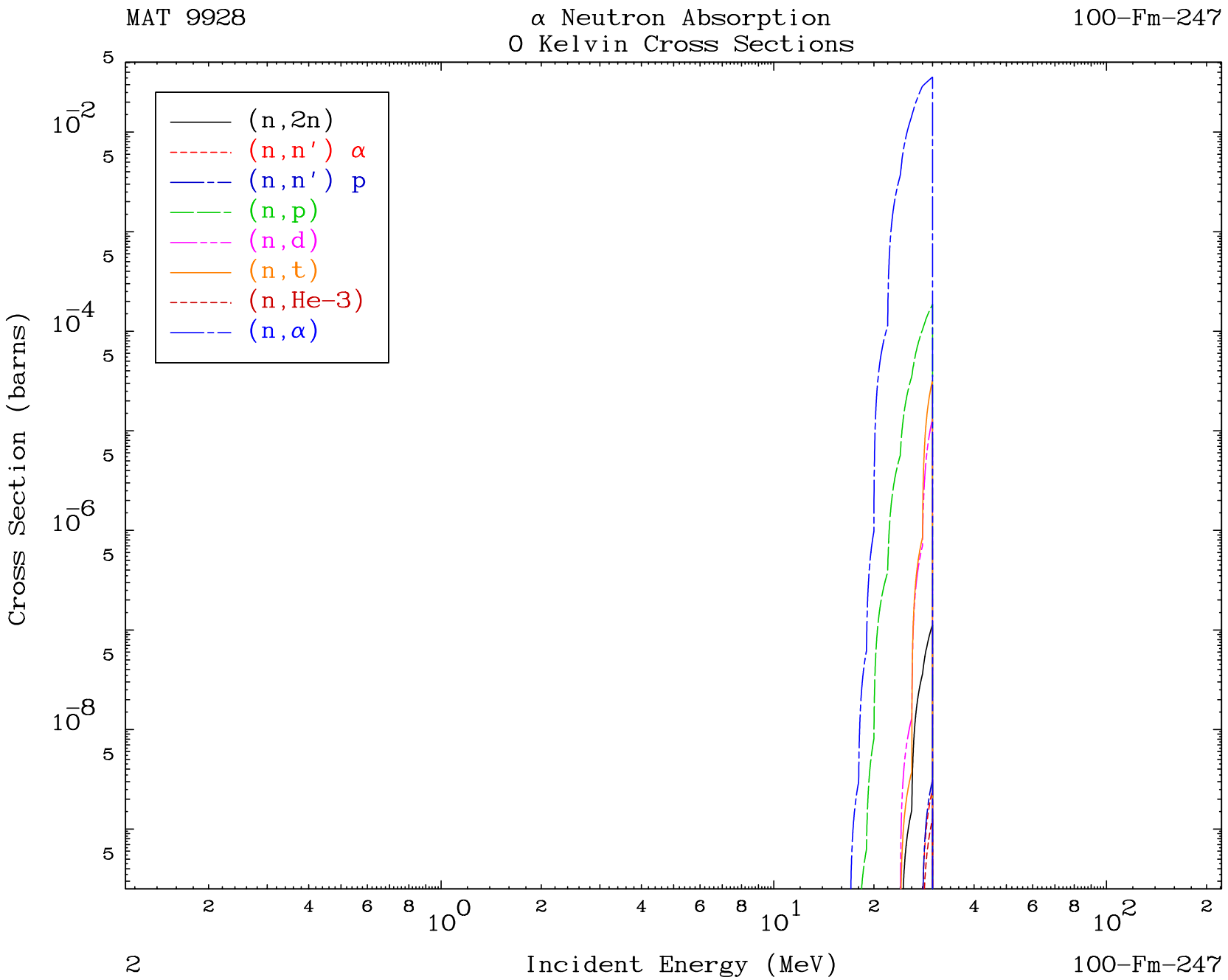
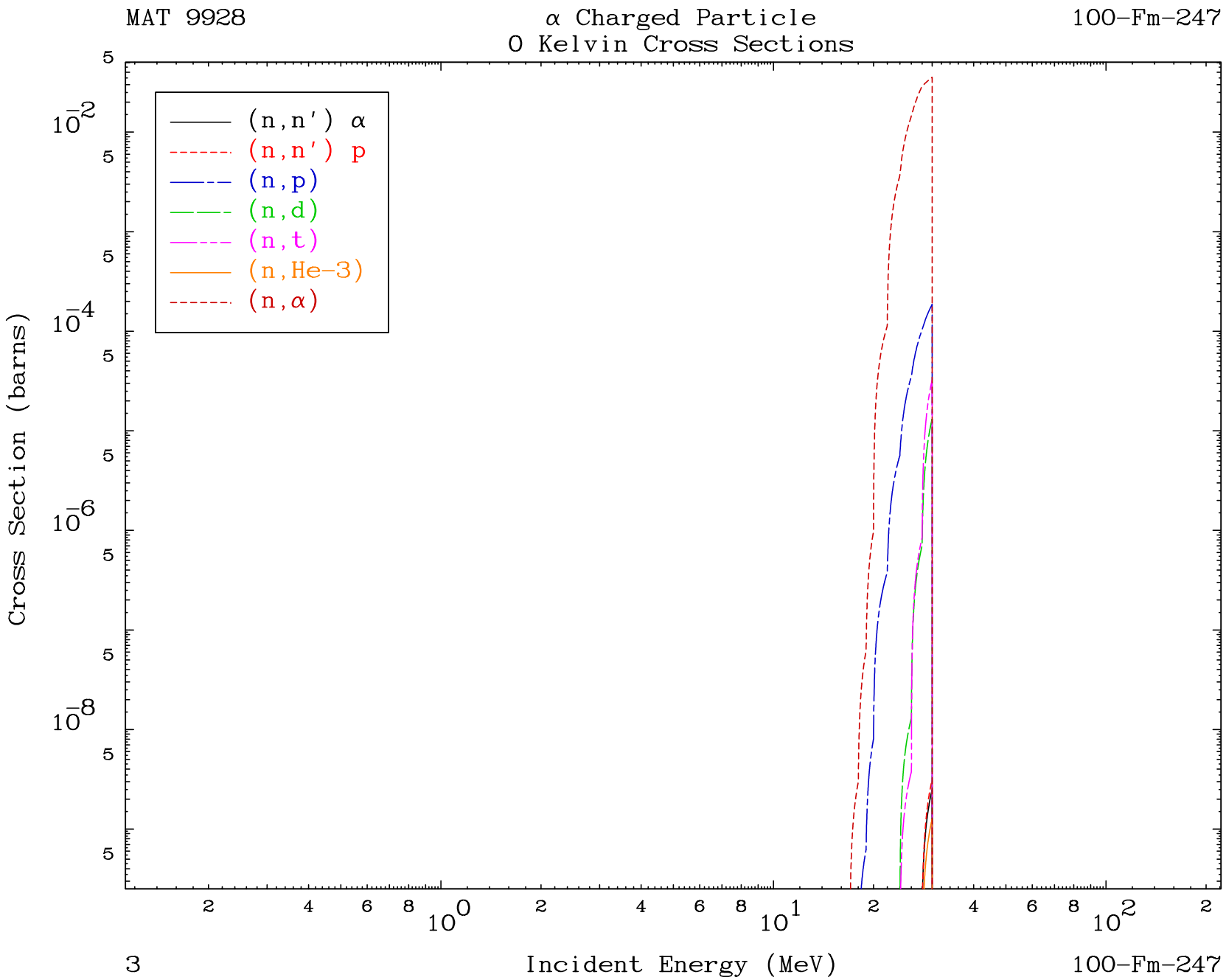
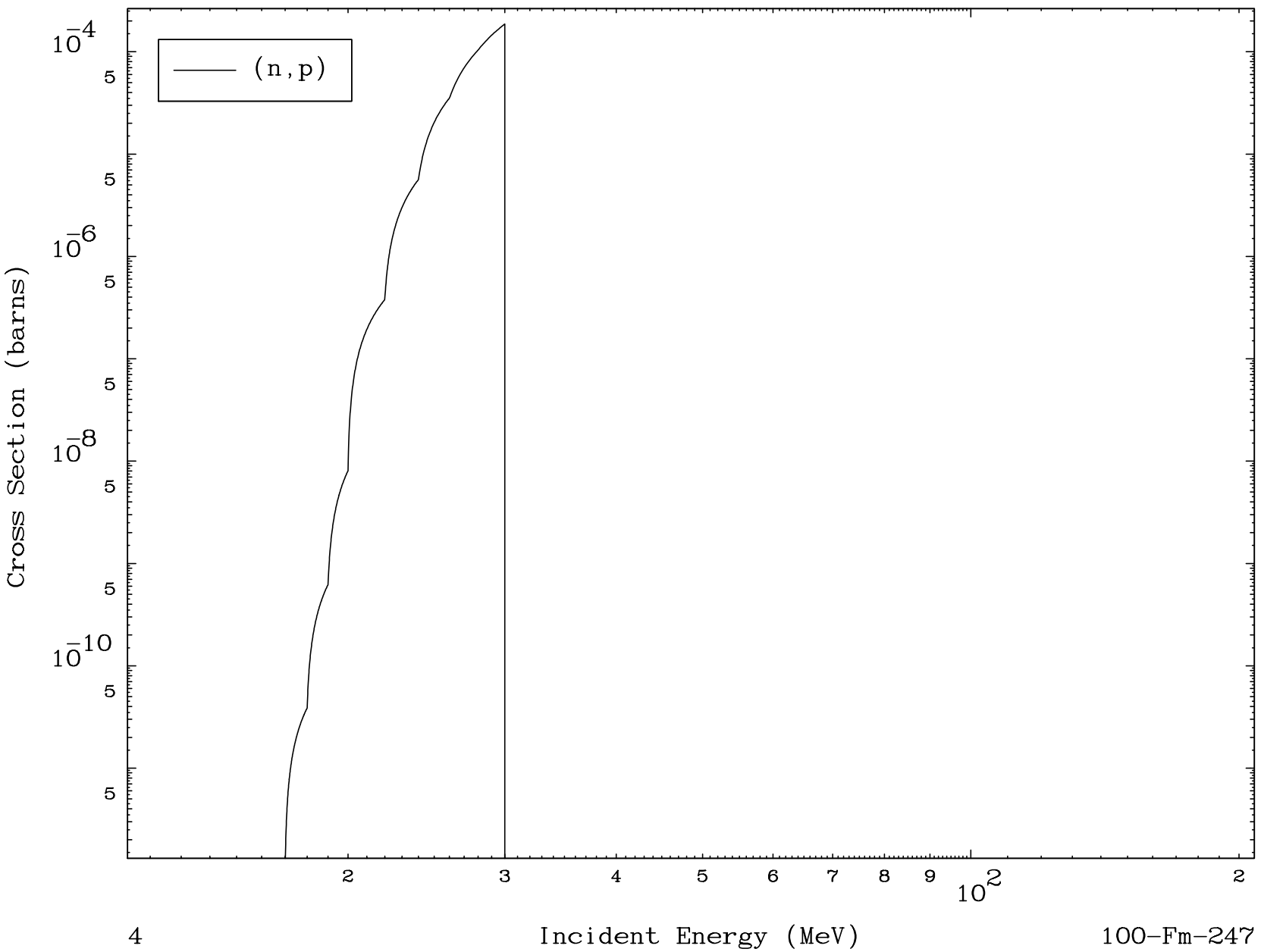
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

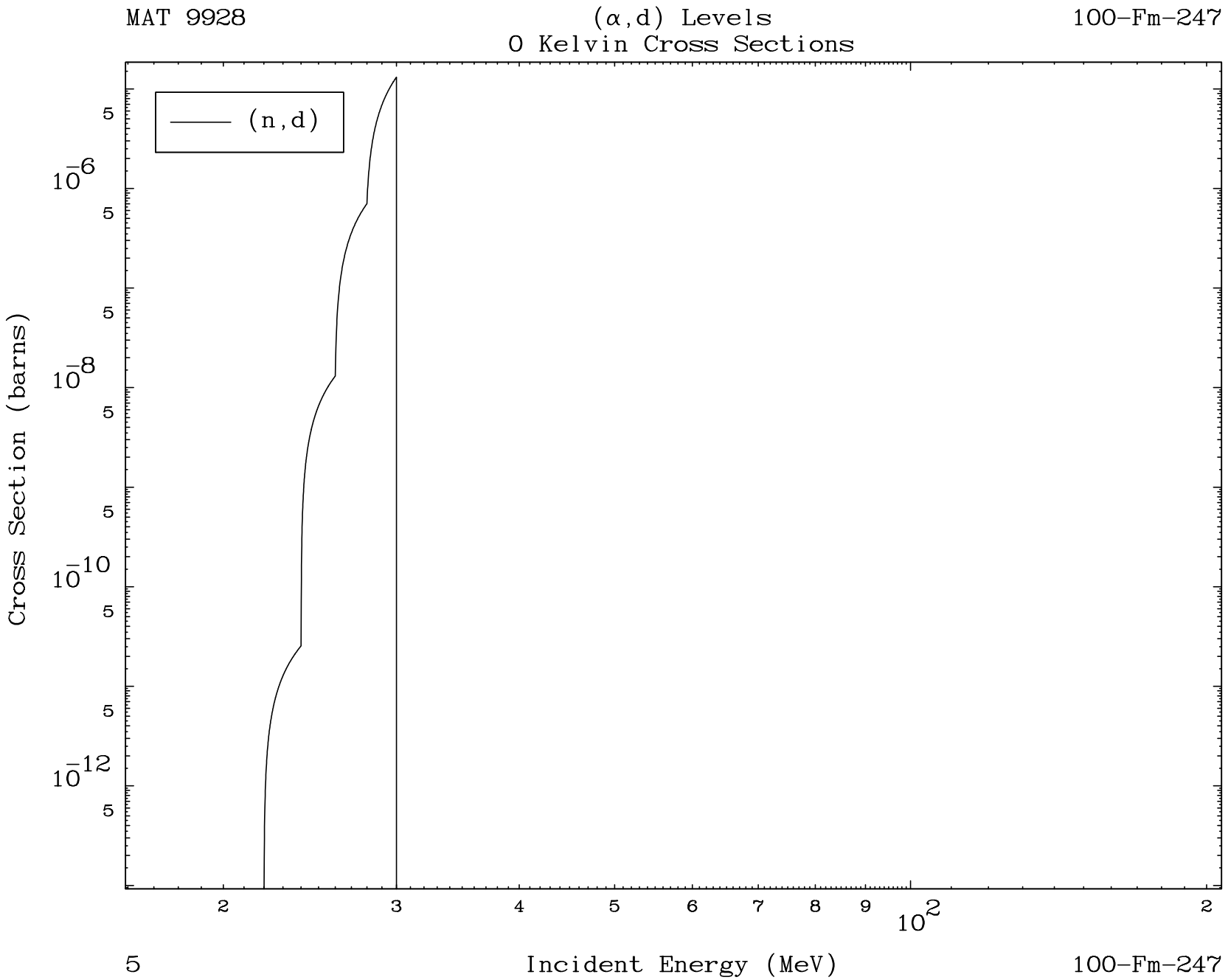
Press Mouse Button to Start


MAT 9928
α Major
100-Fm-247
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)
100-Fm-247

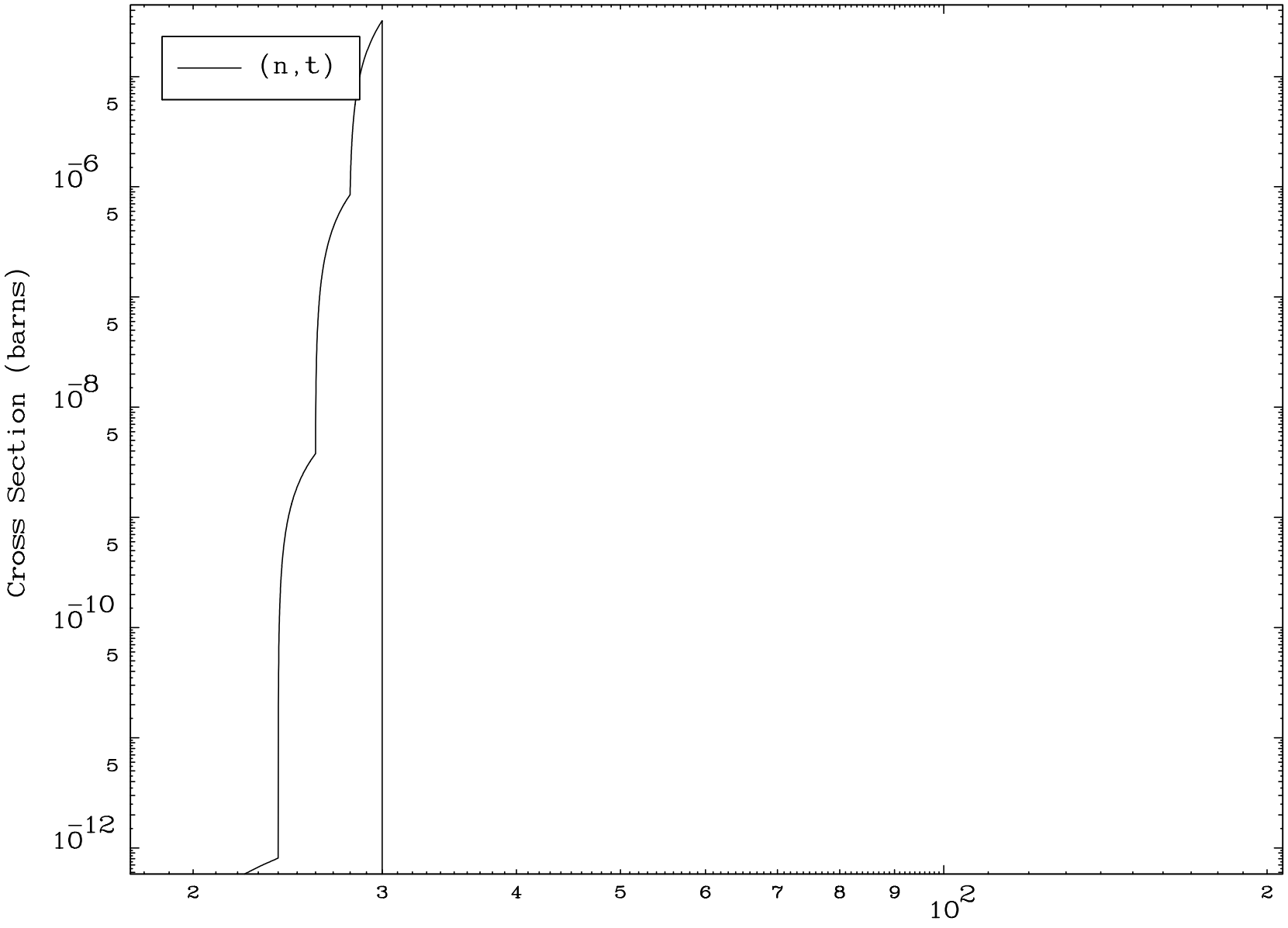

MAT 9928
α Neutron Absorption
0 Kelvin Cross Sections
100-Fm-247
(n,2n)
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
100-Fm-247

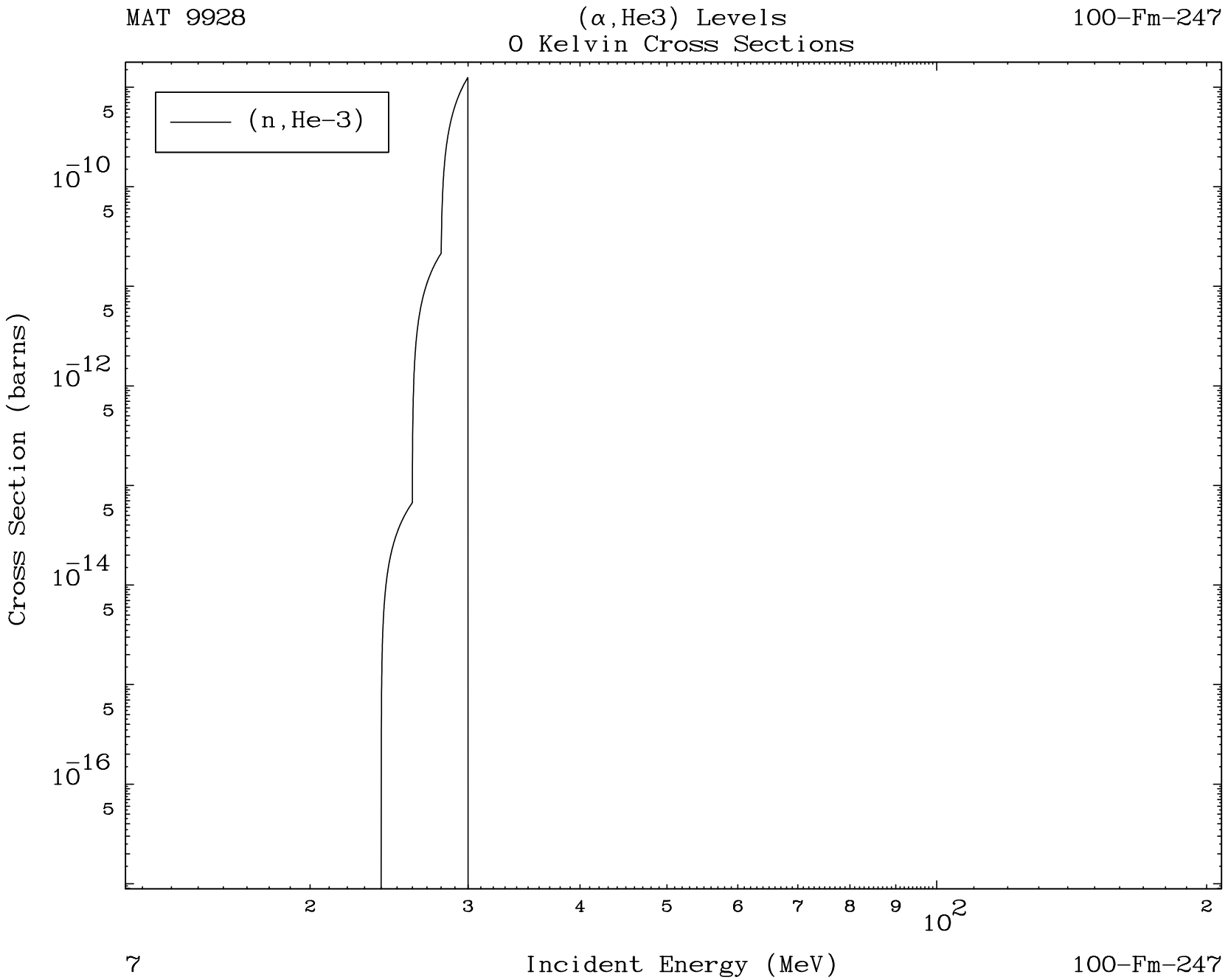

MAT 9928
α Charged Particle
0 Kelvin Cross Sections
100-Fm-247
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
100-Fm-247

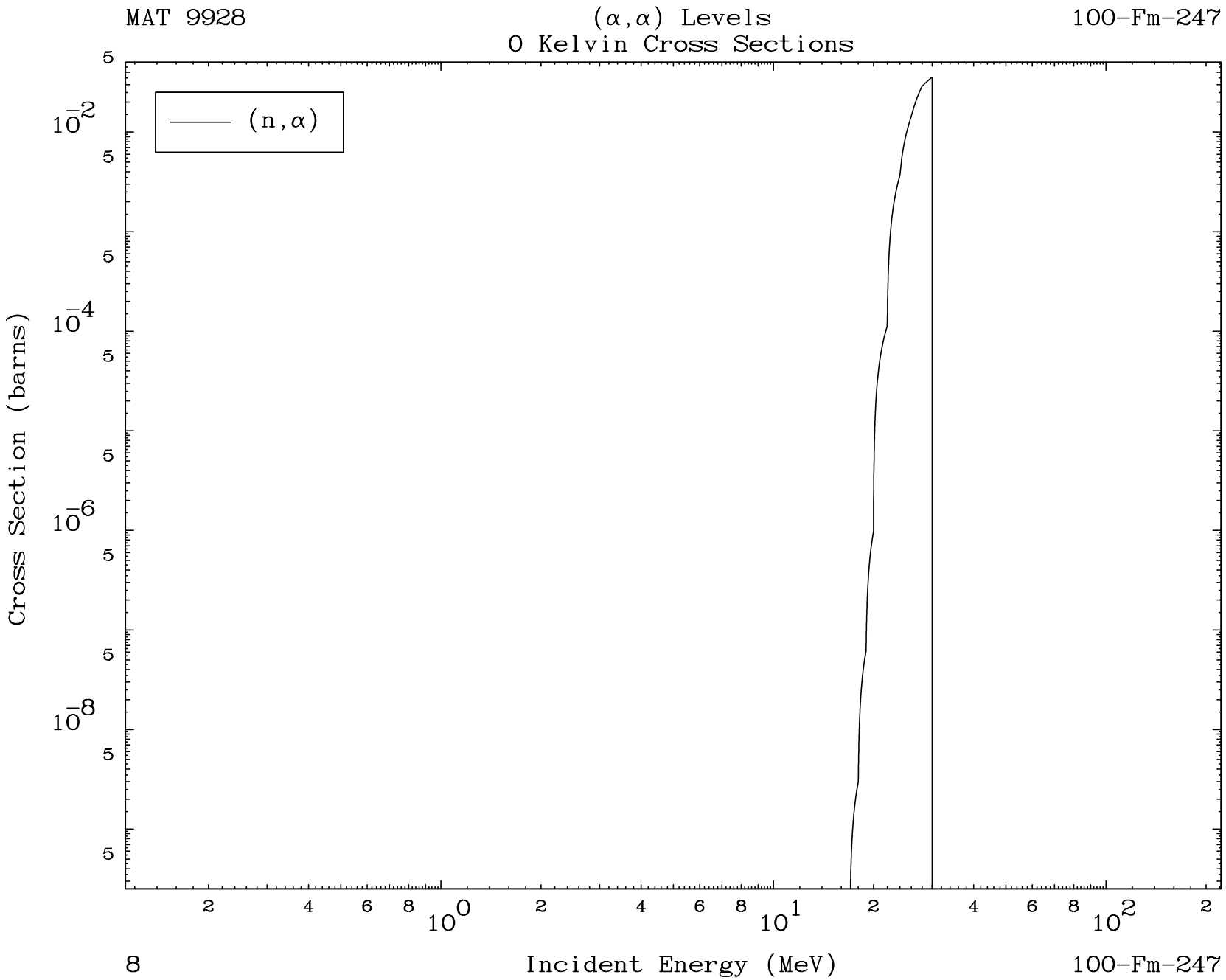

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

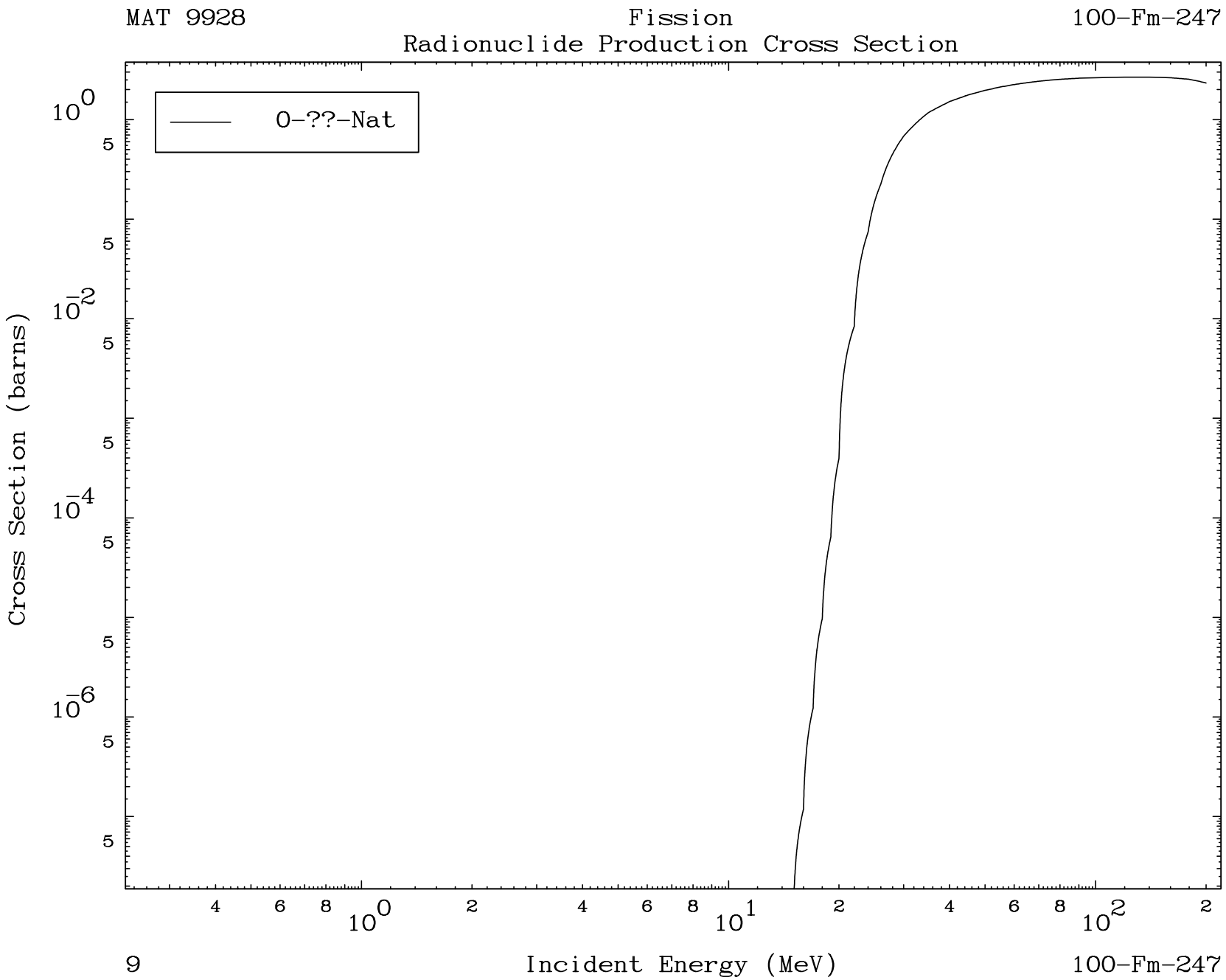

MAT 9928
(α,d) Levels
100-Fm-247
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
5
100-Fm-247

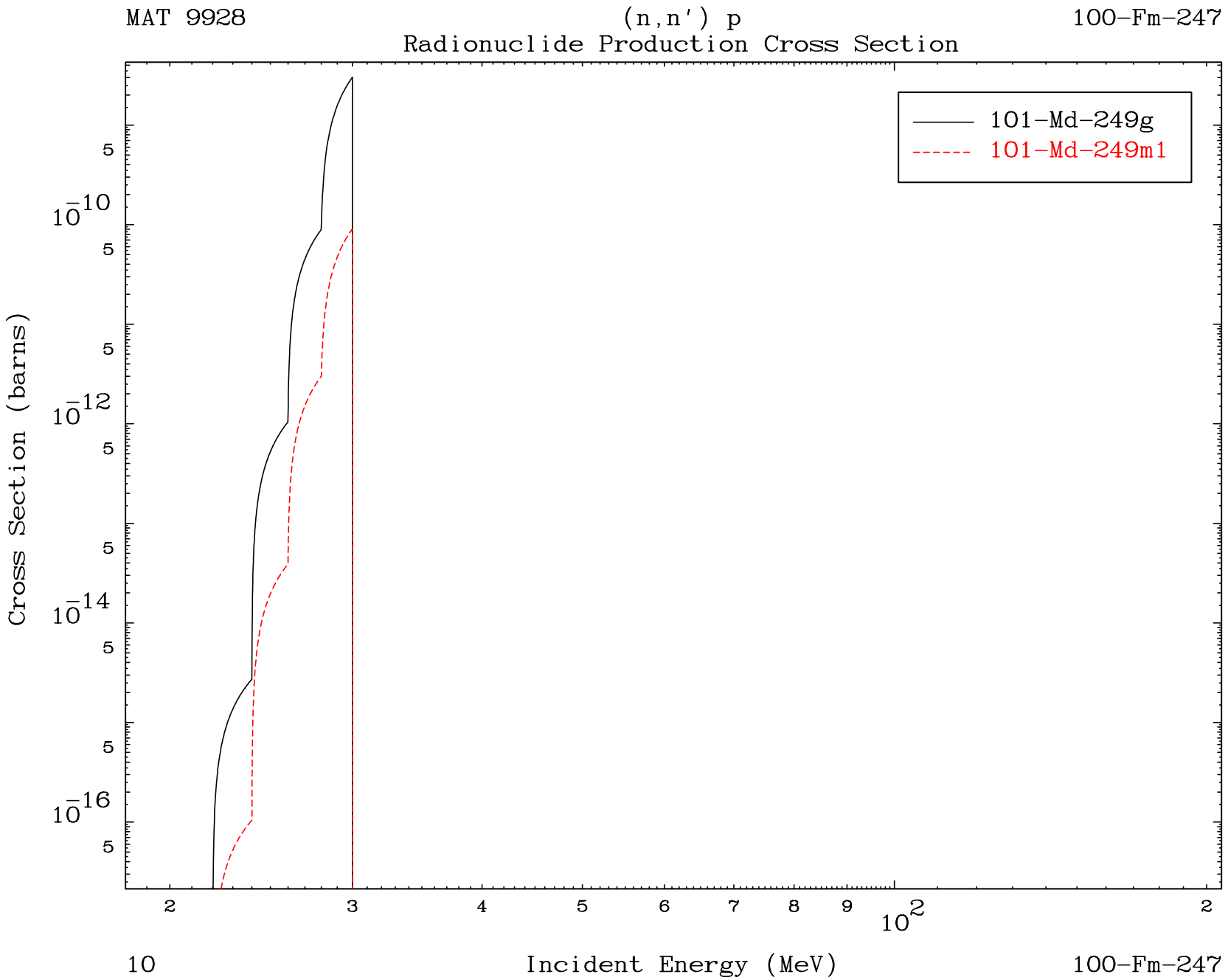
0 Kelvin Cross Sections

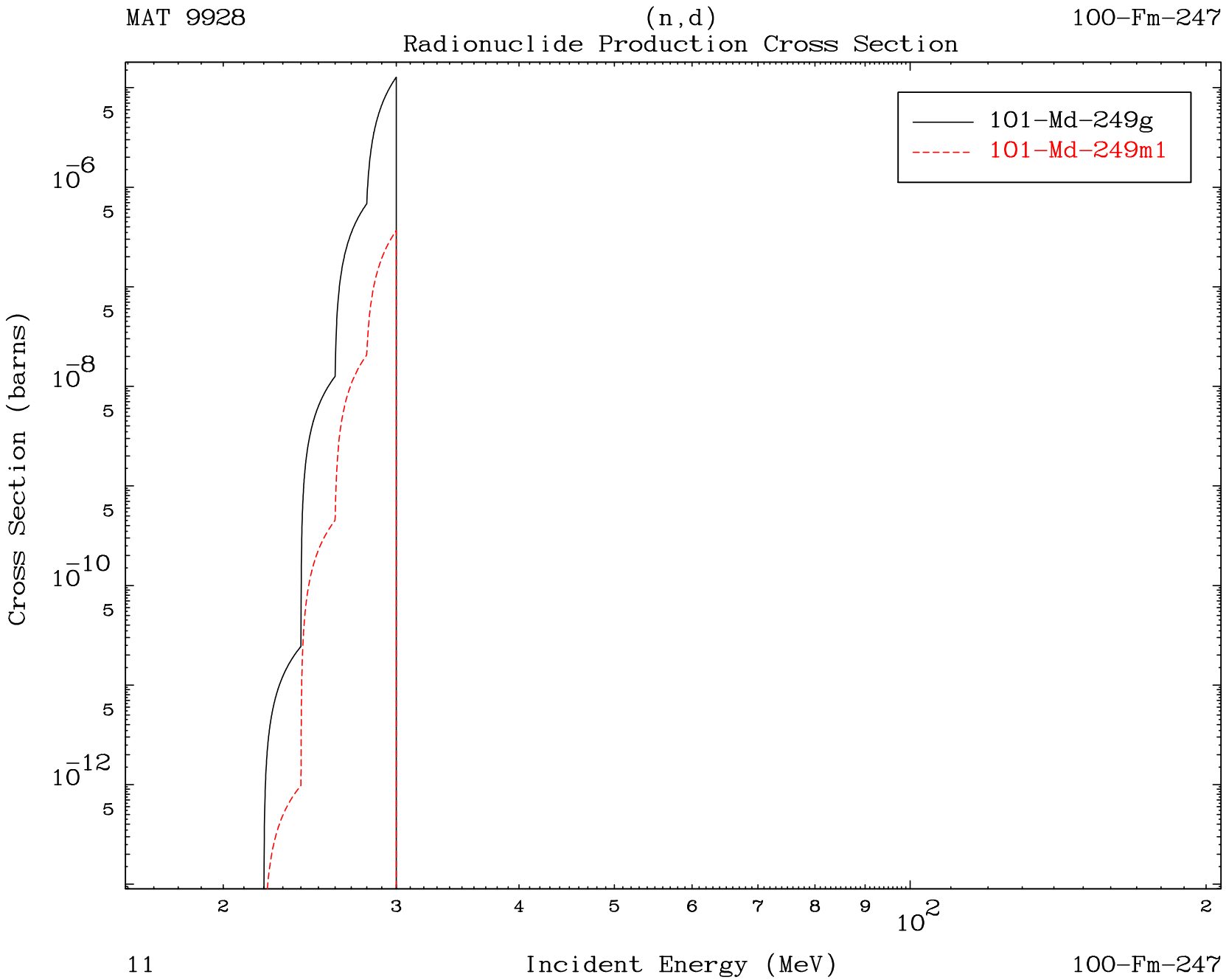


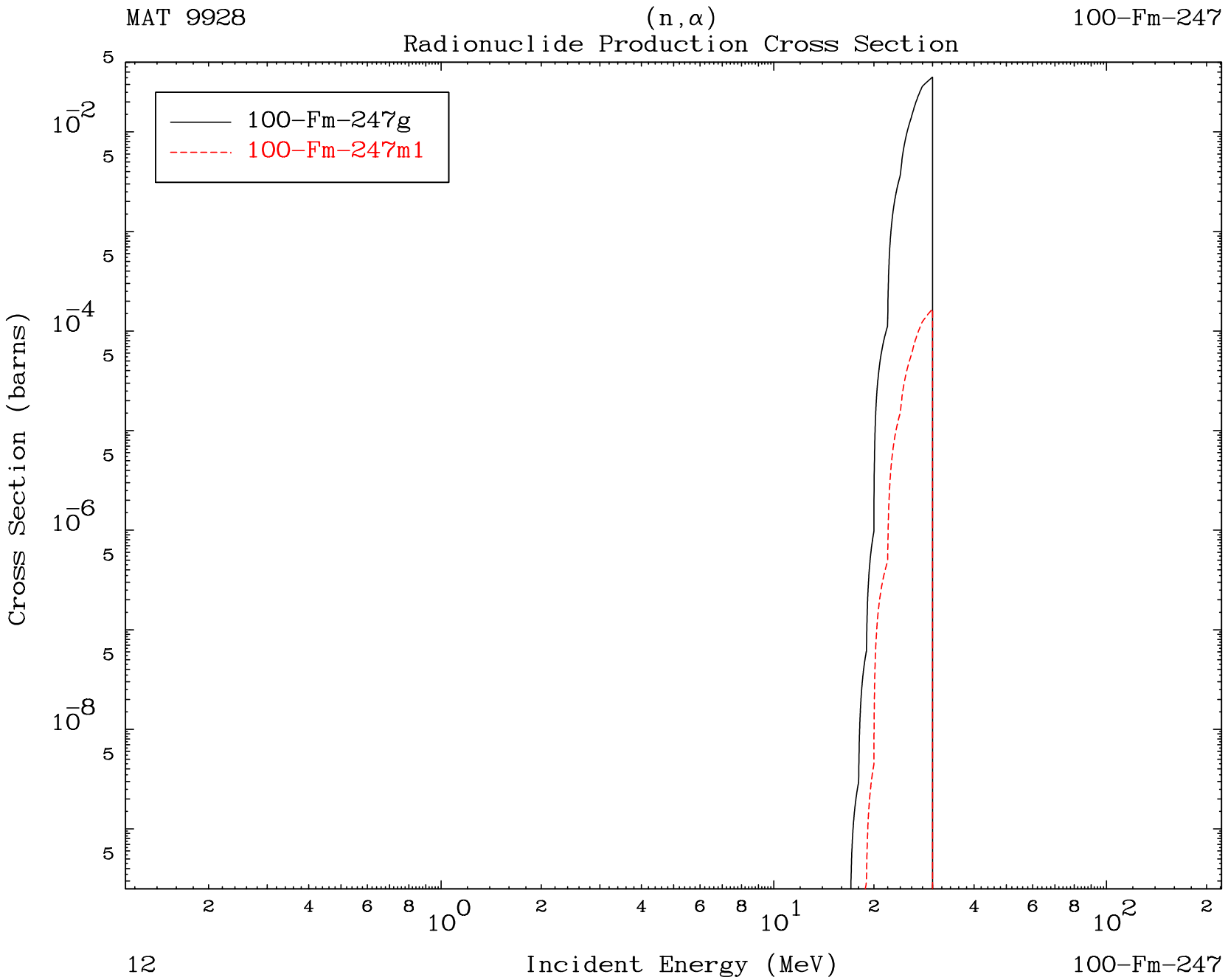

MAT 9928
(α,He3) Levels
100-Fm-247
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-10
10-12
10-14
10-16
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
100-Fm-247


MAT 9928
(α,α) Levels
100-Fm-247
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
8
100-Fm-247


MAT 9928
Fission
100-Fm-247
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
100-Fm-247


MAT 9928
(n,n') p
100-Fm-247
Radionuclide Production Cross Section
101-Md-249g
101-Md-249m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
100-Fm-247


MAT 9928
(n,d)
100-Fm-247
Radionuclide Production Cross Section
101-Md-249g
101-Md-249m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
100-Fm-247


MAT 9928
(n,α)
100-Fm-247
Radionuclide Production Cross Section
100-Fm-247g
100-Fm-247m1
Cross Section (barns)
Incident Energy (MeV)
12
100-Fm-247