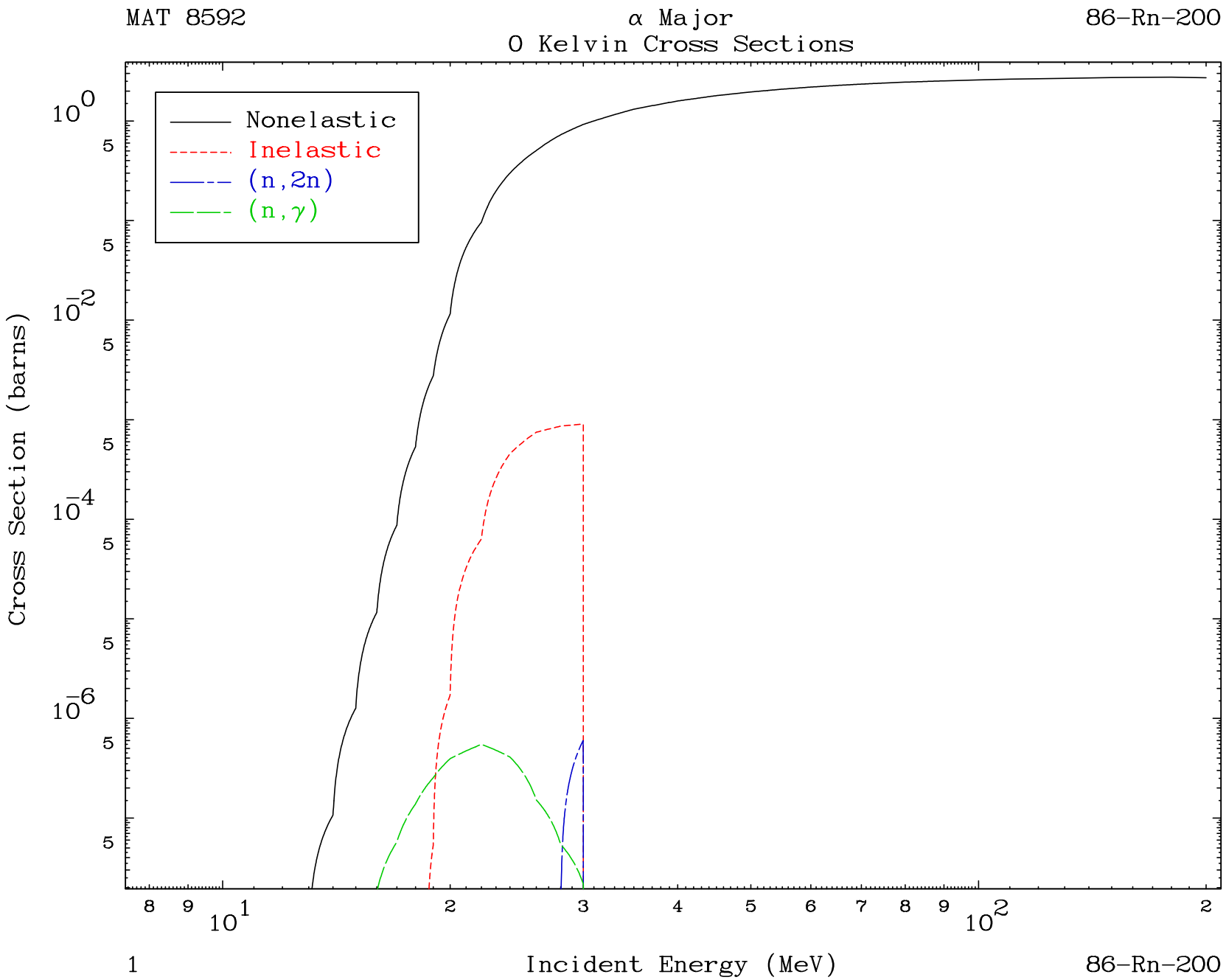
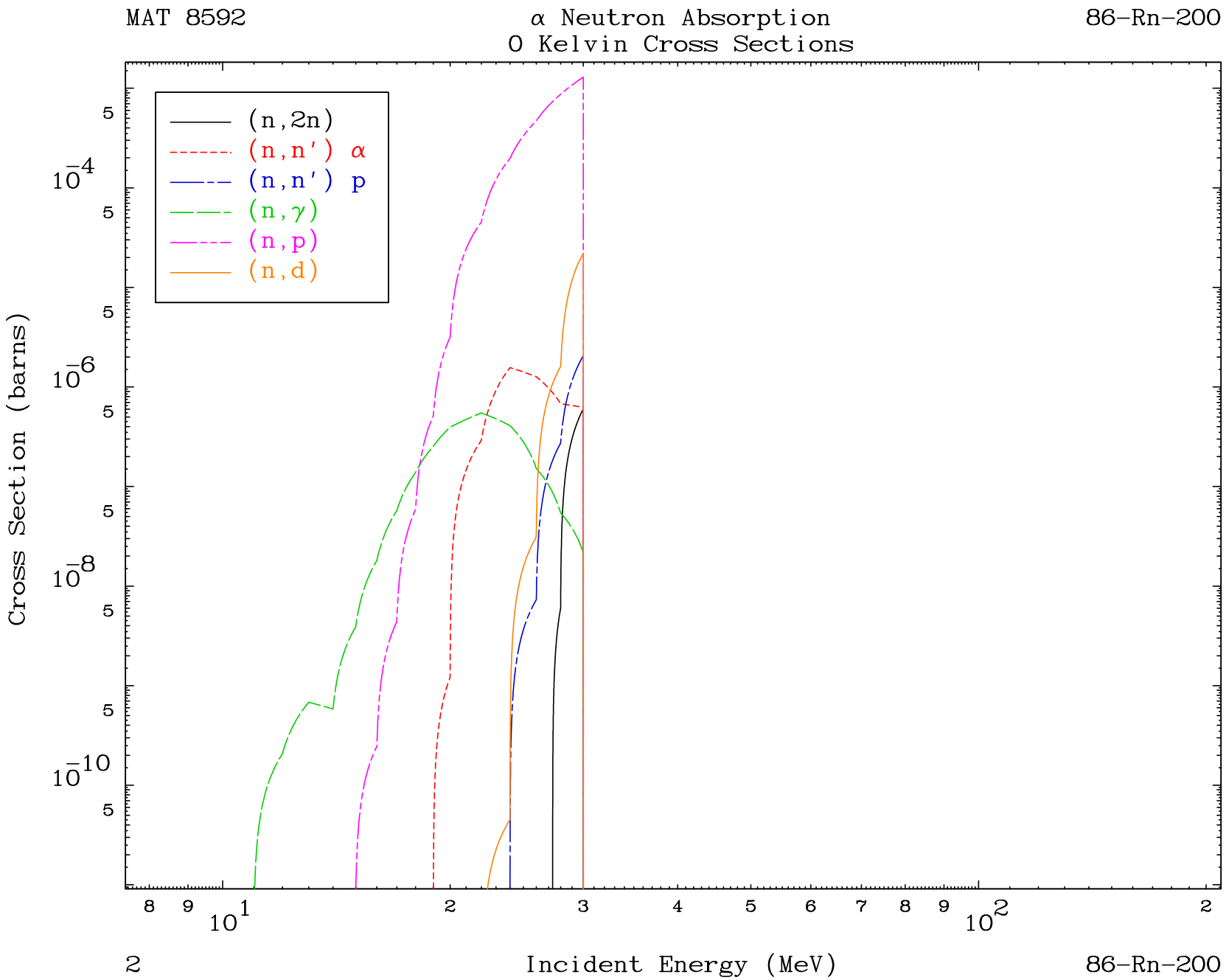
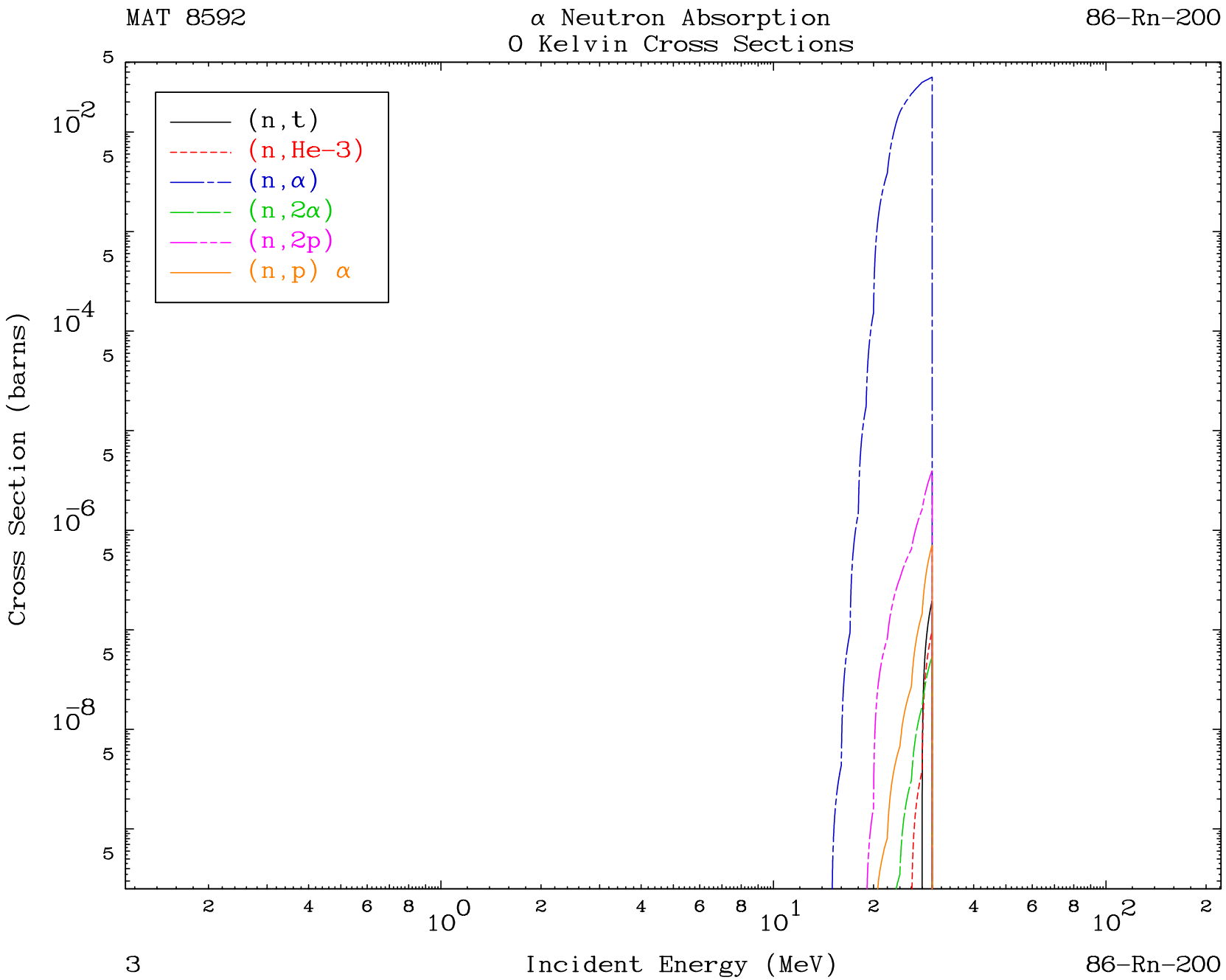
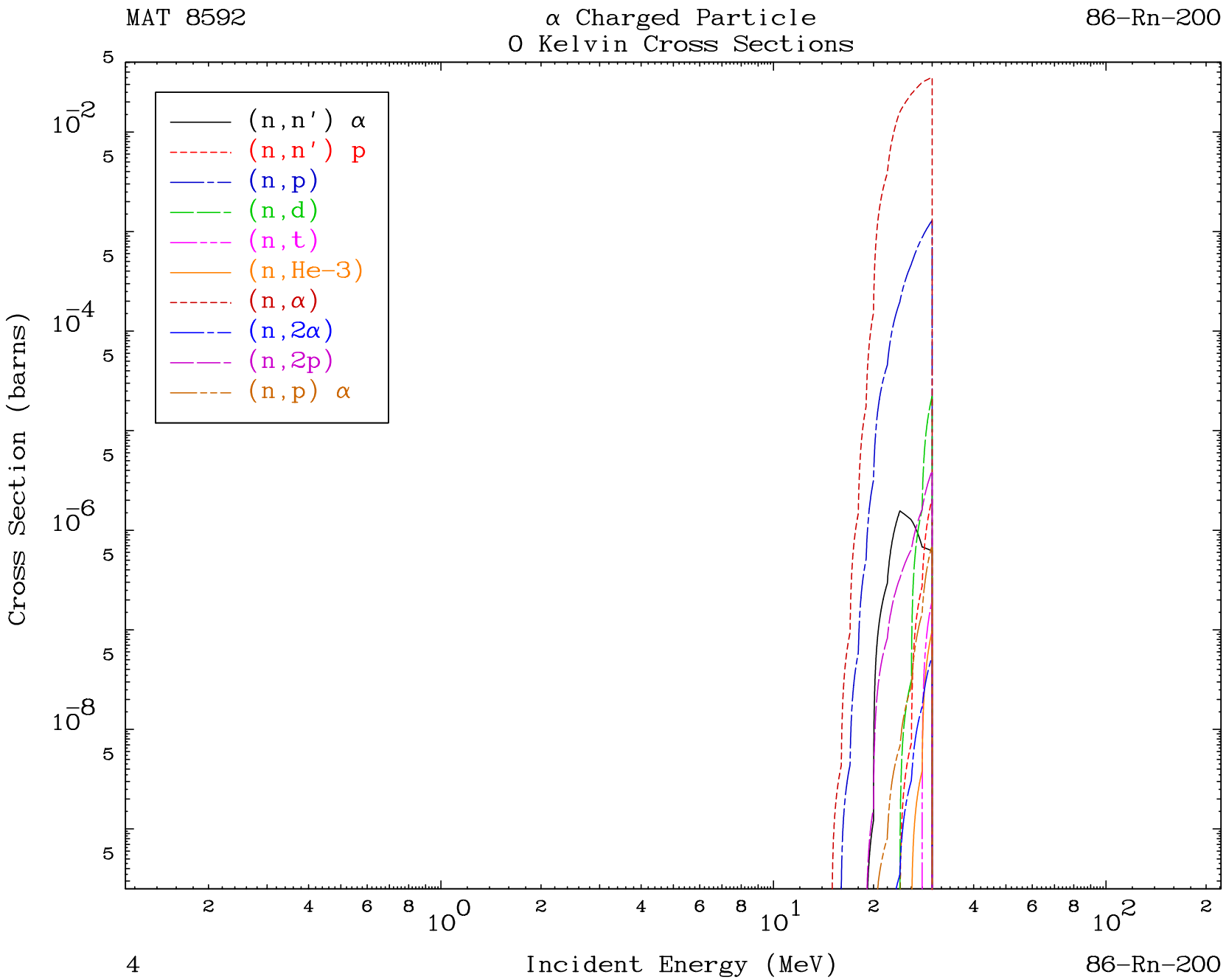
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

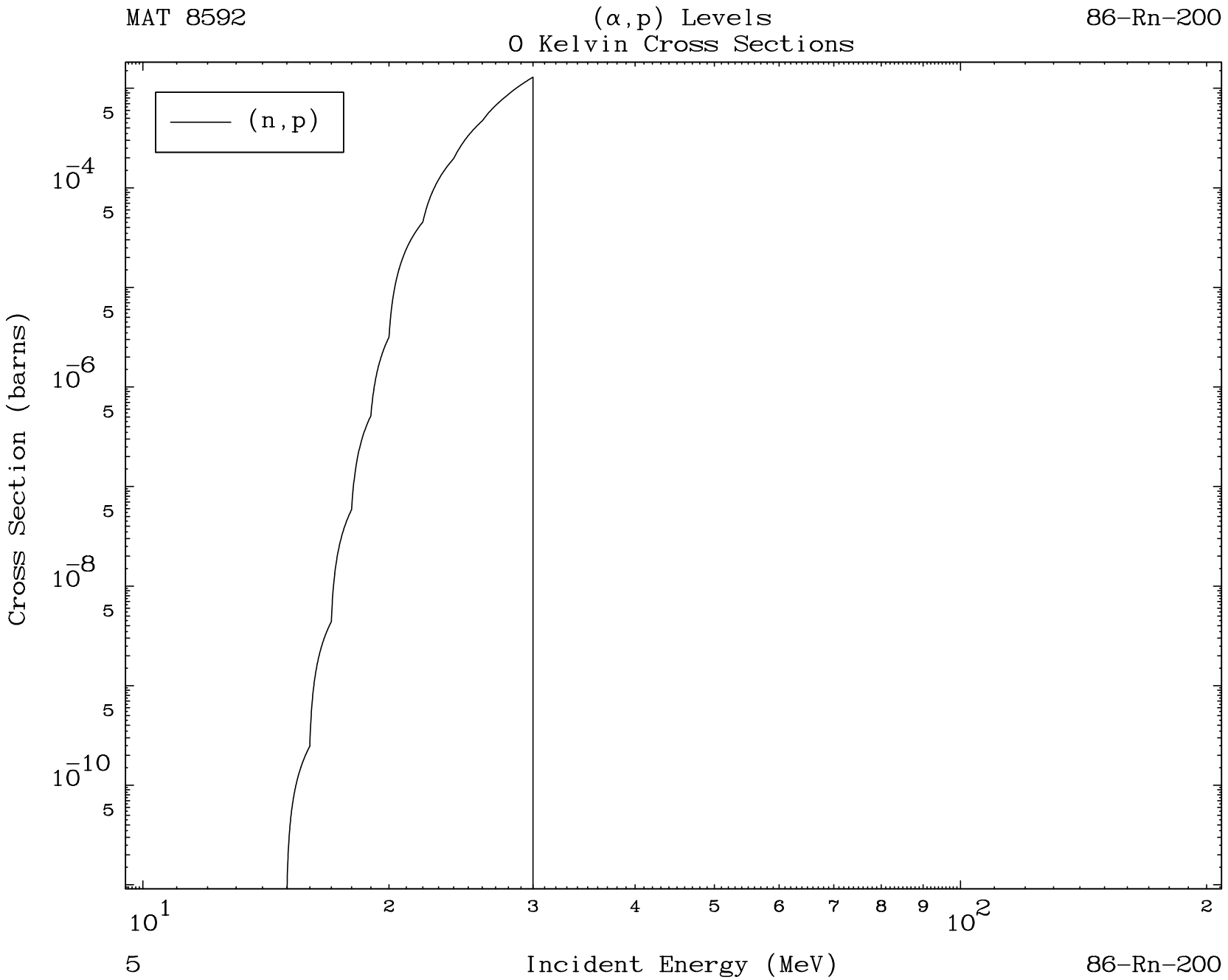
Press Mouse Button to Start

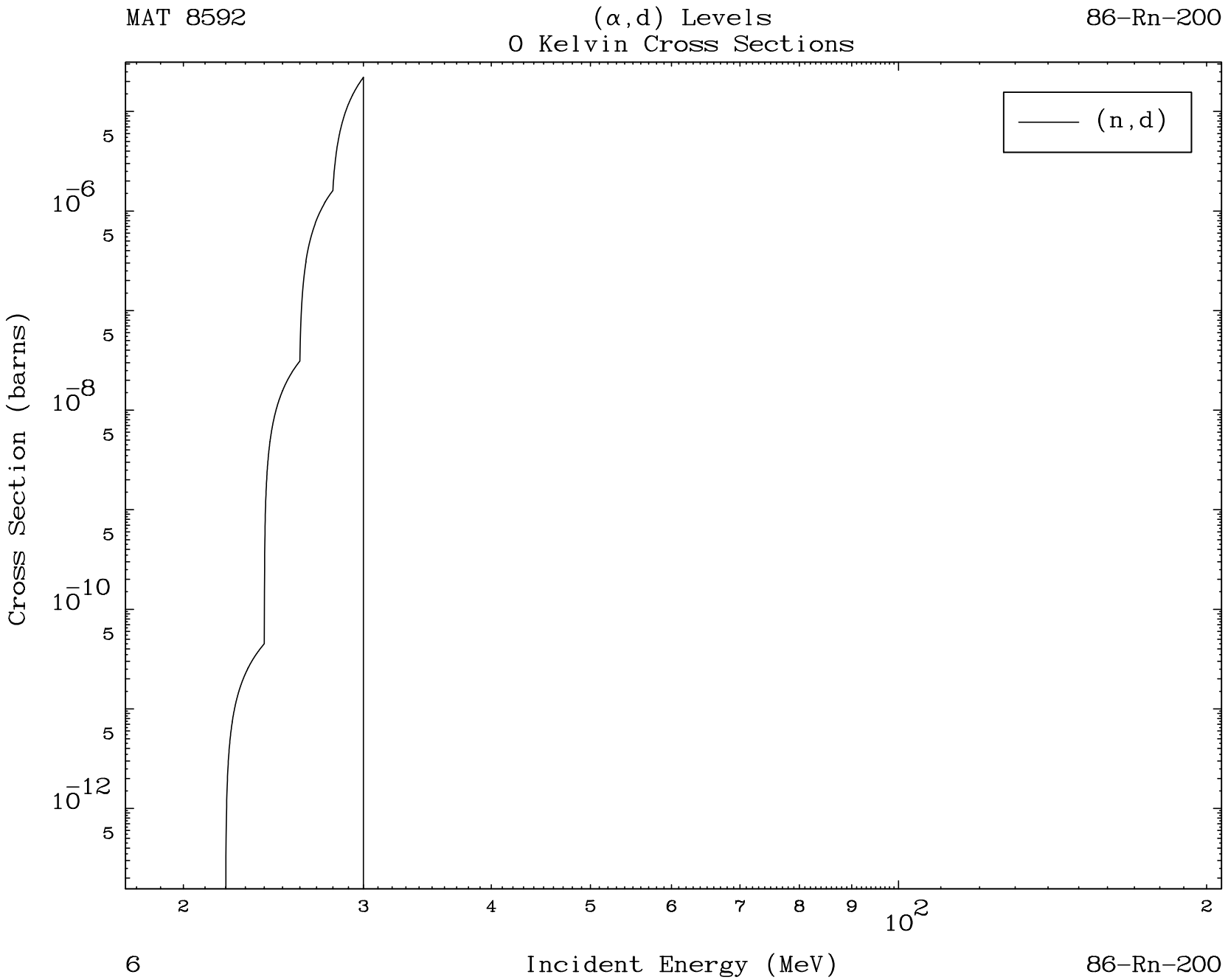

MAT 8592
α Major
86-Rn-200
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-200

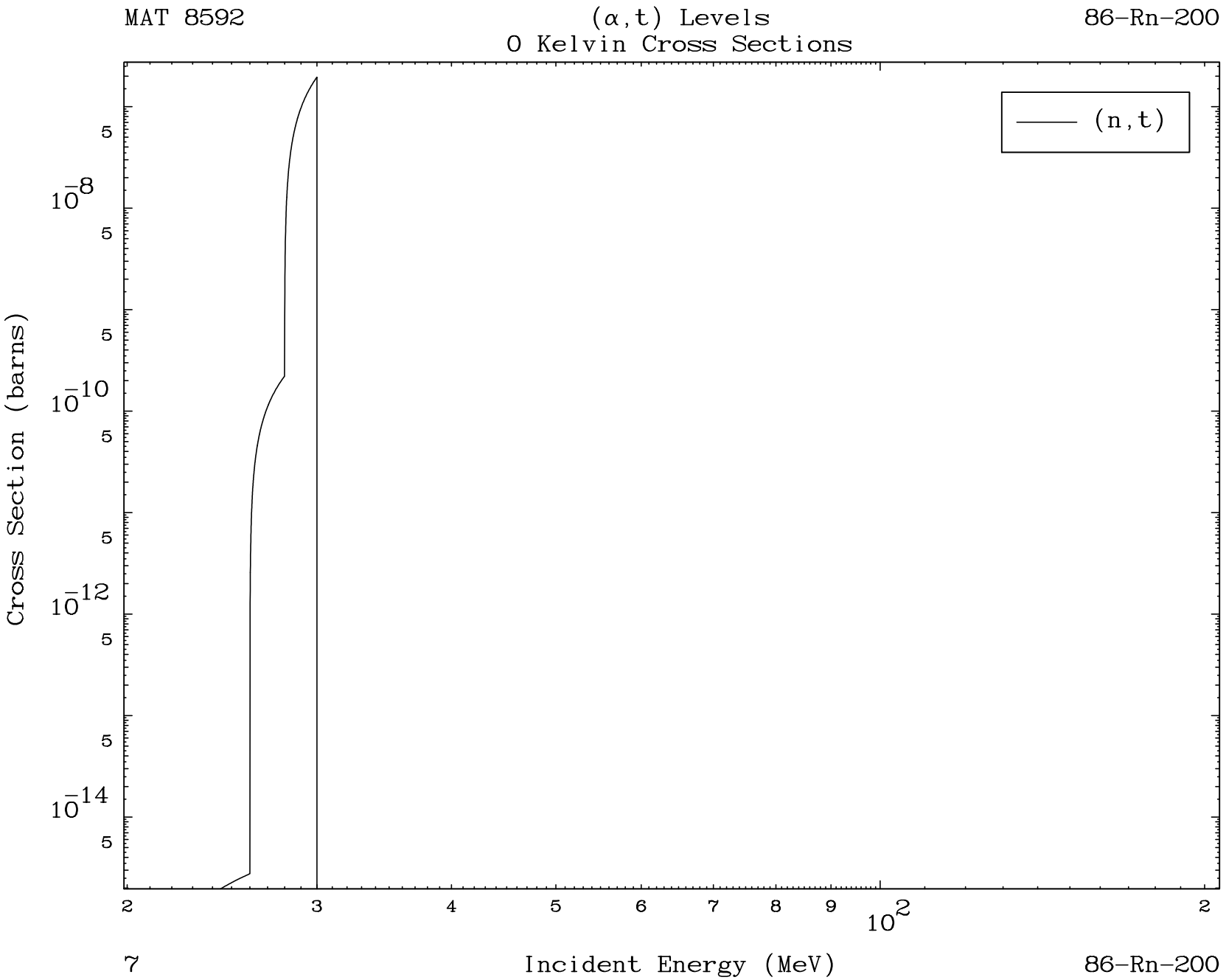

MAT 8592
α Neutron Absorption
0 Kelvin Cross Sections
86-Rn-200
(n,2n)
(n,n') α
(n,n') p
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
2
86-Rn-200


MAT 8592
α Neutron Absorption
0 Kelvin Cross Sections
86-Rn-200
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
86-Rn-200

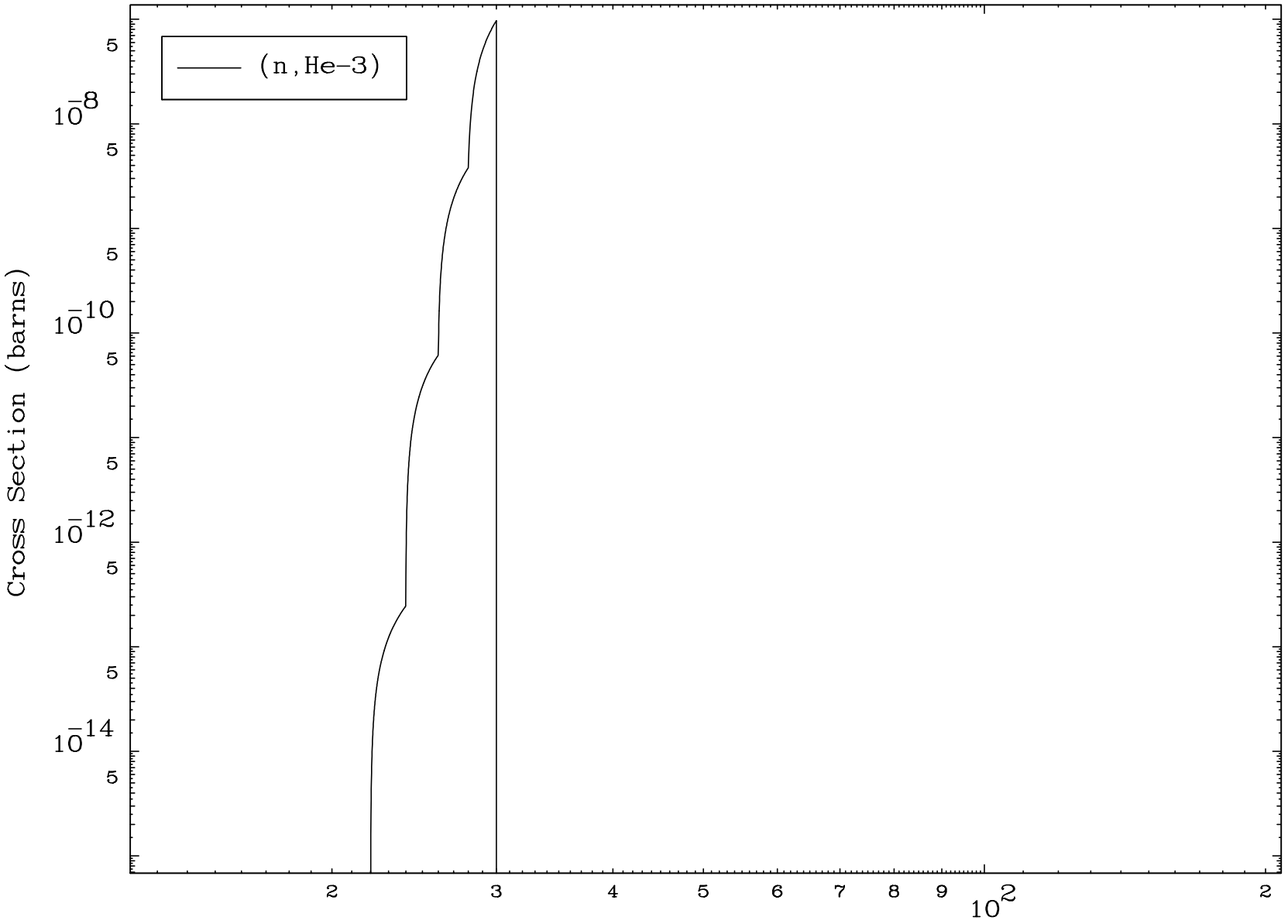

MAT 8592
α Charged Particle
0 Kelvin Cross Sections
86-Rn-200
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
4
86-Rn-200

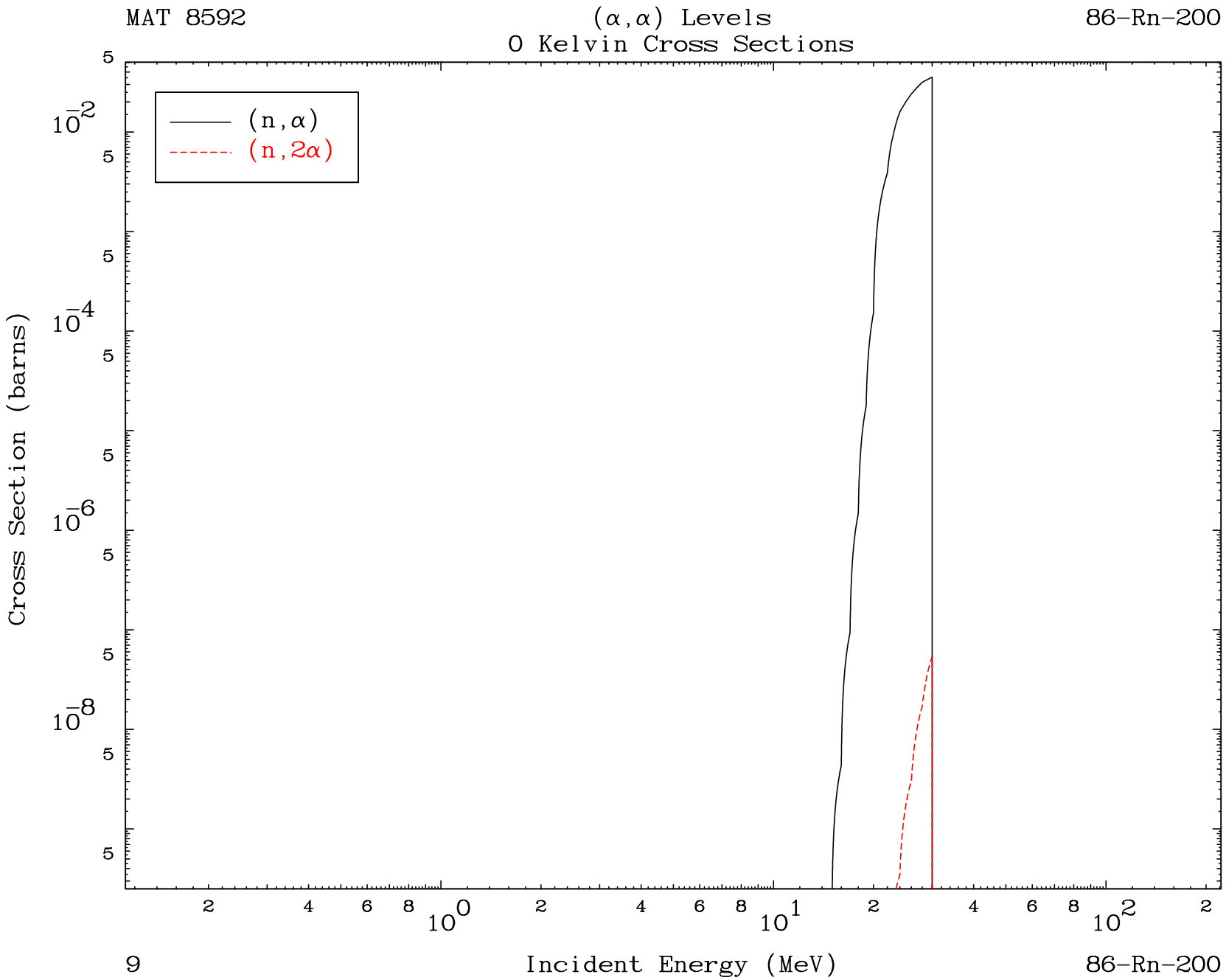

MAT 8592
(α,p) Levels
86-Rn-200
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
86-Rn-200

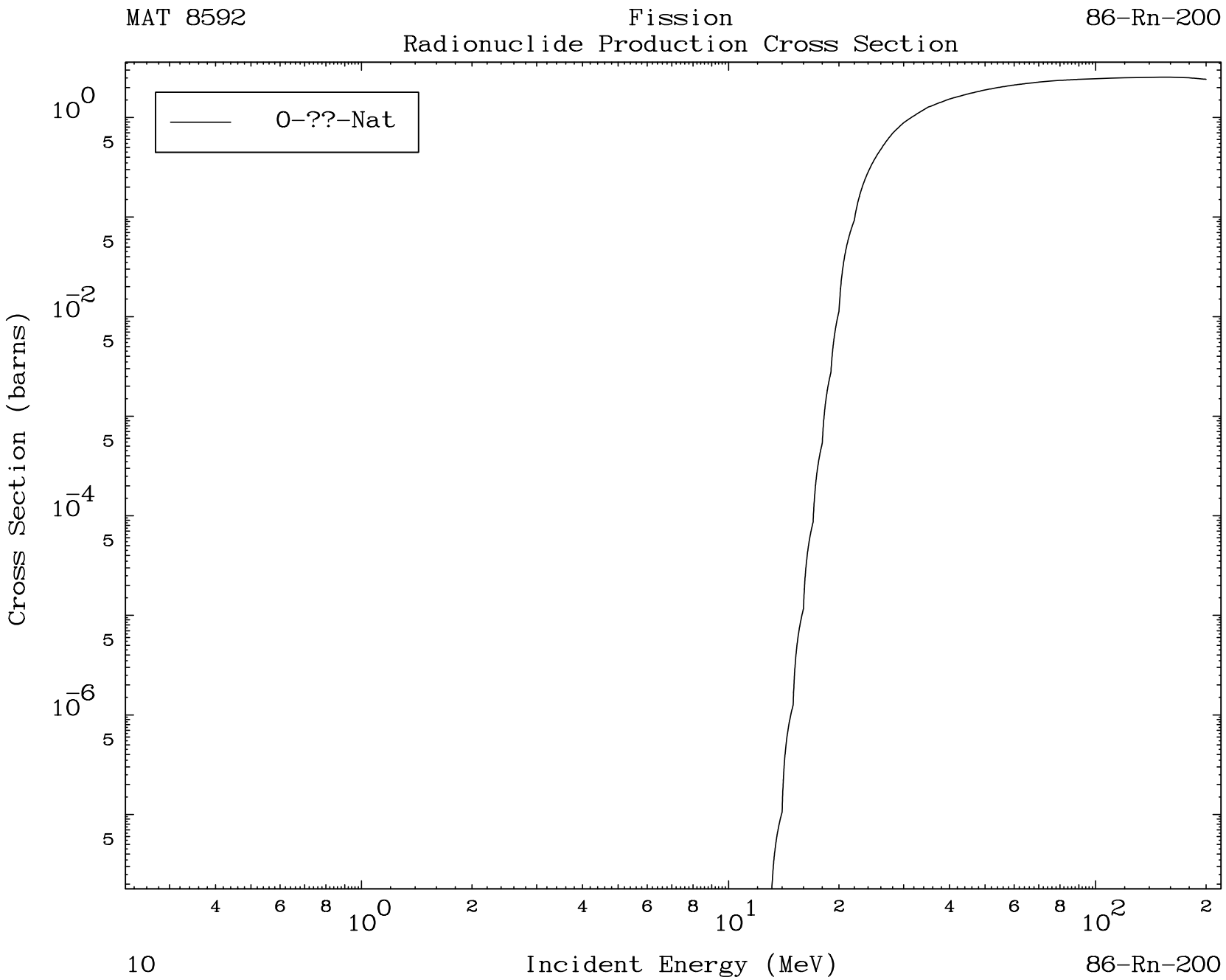

MAT 8592
(α,d) Levels
0 Kelvin Cross Sections
86-Rn-200
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
6
86-Rn-200

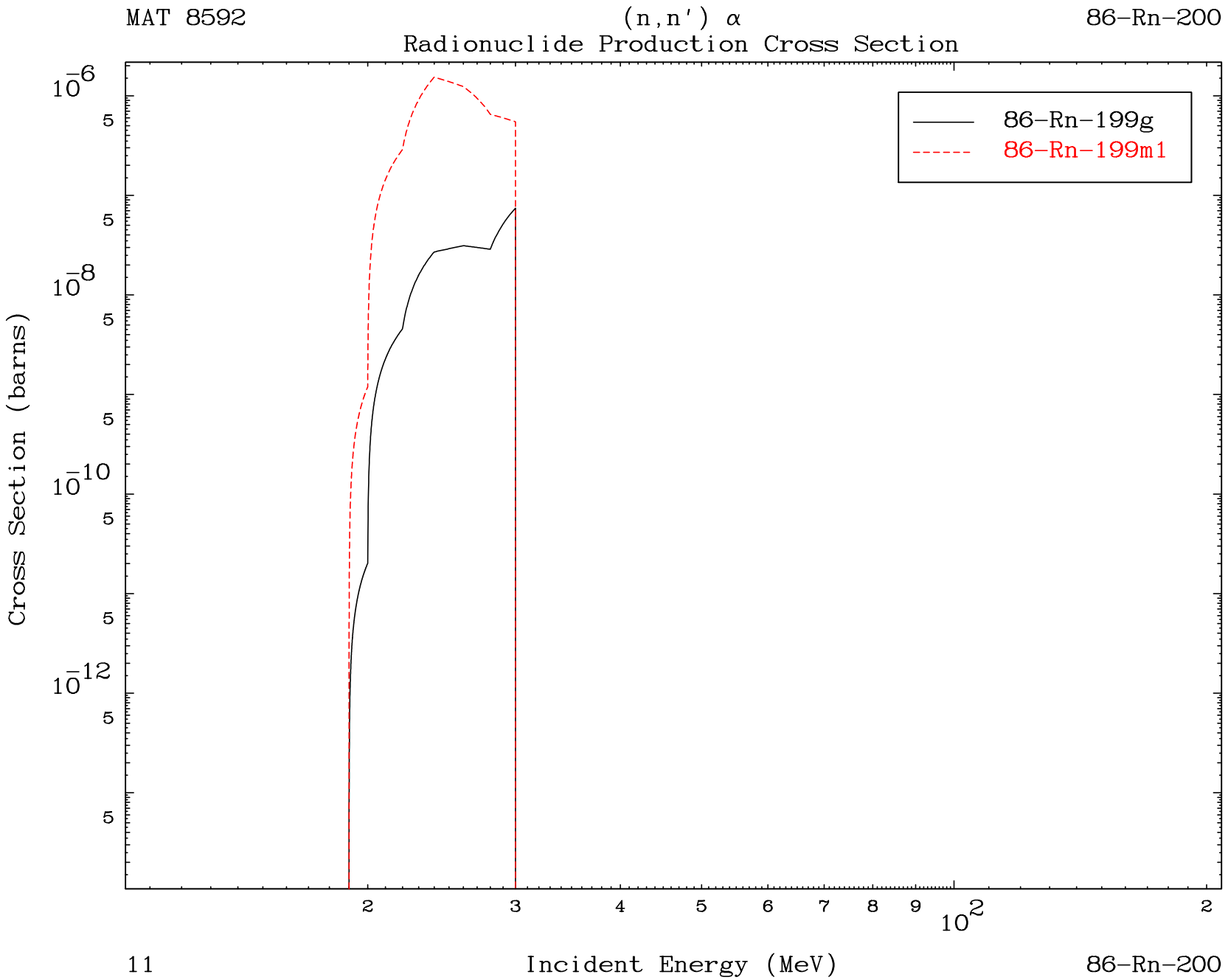

MAT 8592
(α,t) Levels
86-Rn-200
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
86-Rn-200

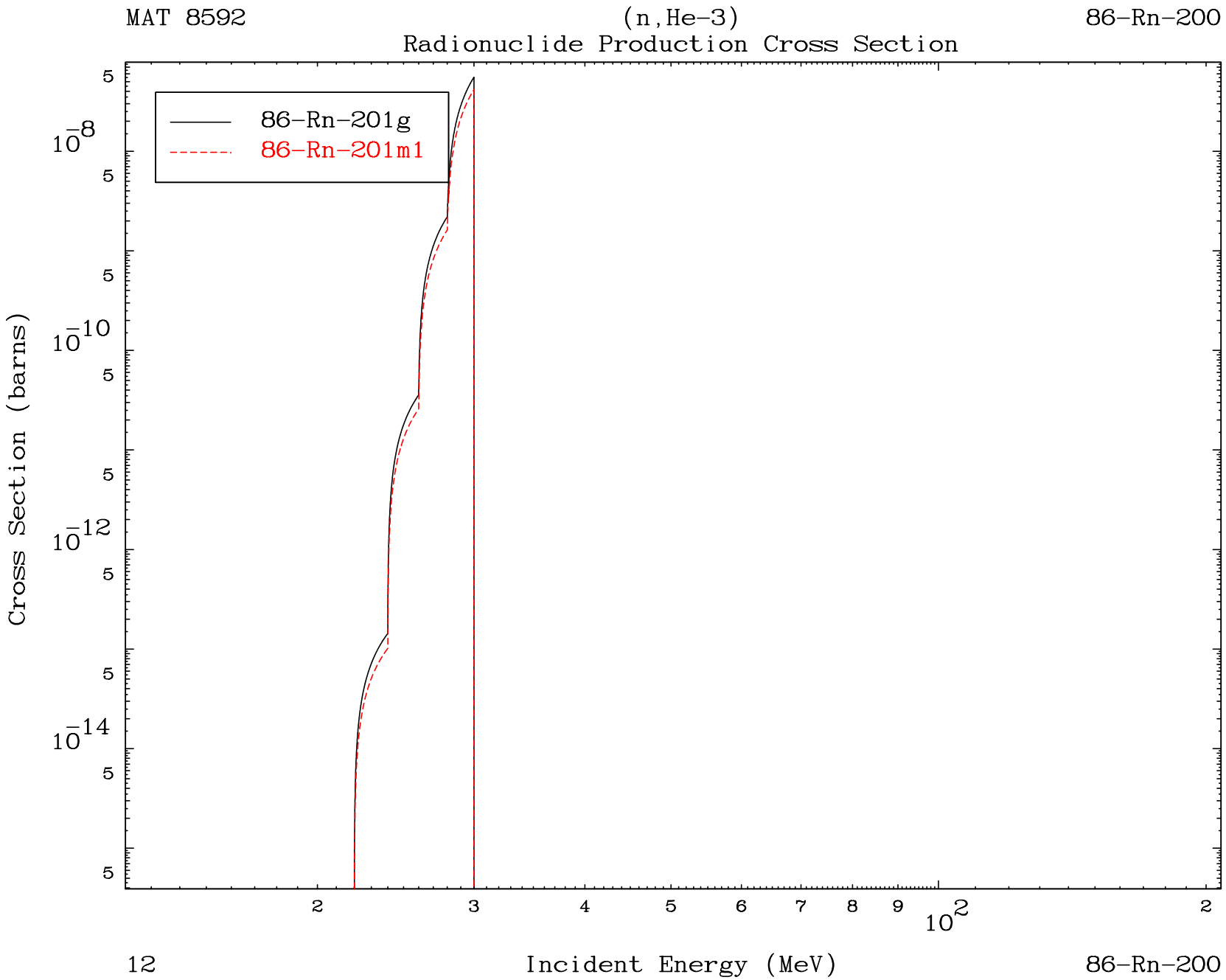
0 Kelvin Cross Sections




MAT 8592
(α,α) Levels
86-Rn-200
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
9
86-Rn-200


MAT 8592
Fission
86-Rn-200
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
86-Rn-200


MAT 8592
(n,n') α
86-Rn-200
Radionuclide Production Cross Section
86-Rn-199g
86-Rn-199m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
Incident Energy (MeV)
10^2
11
86-Rn-200


MAT 8592
(n,He-3)
86-Rn-200
Radionuclide Production Cross Section
86-Rn-201g
86-Rn-201m1
Cross Section (barns)
Incident Energy (MeV)
12
86-Rn-200