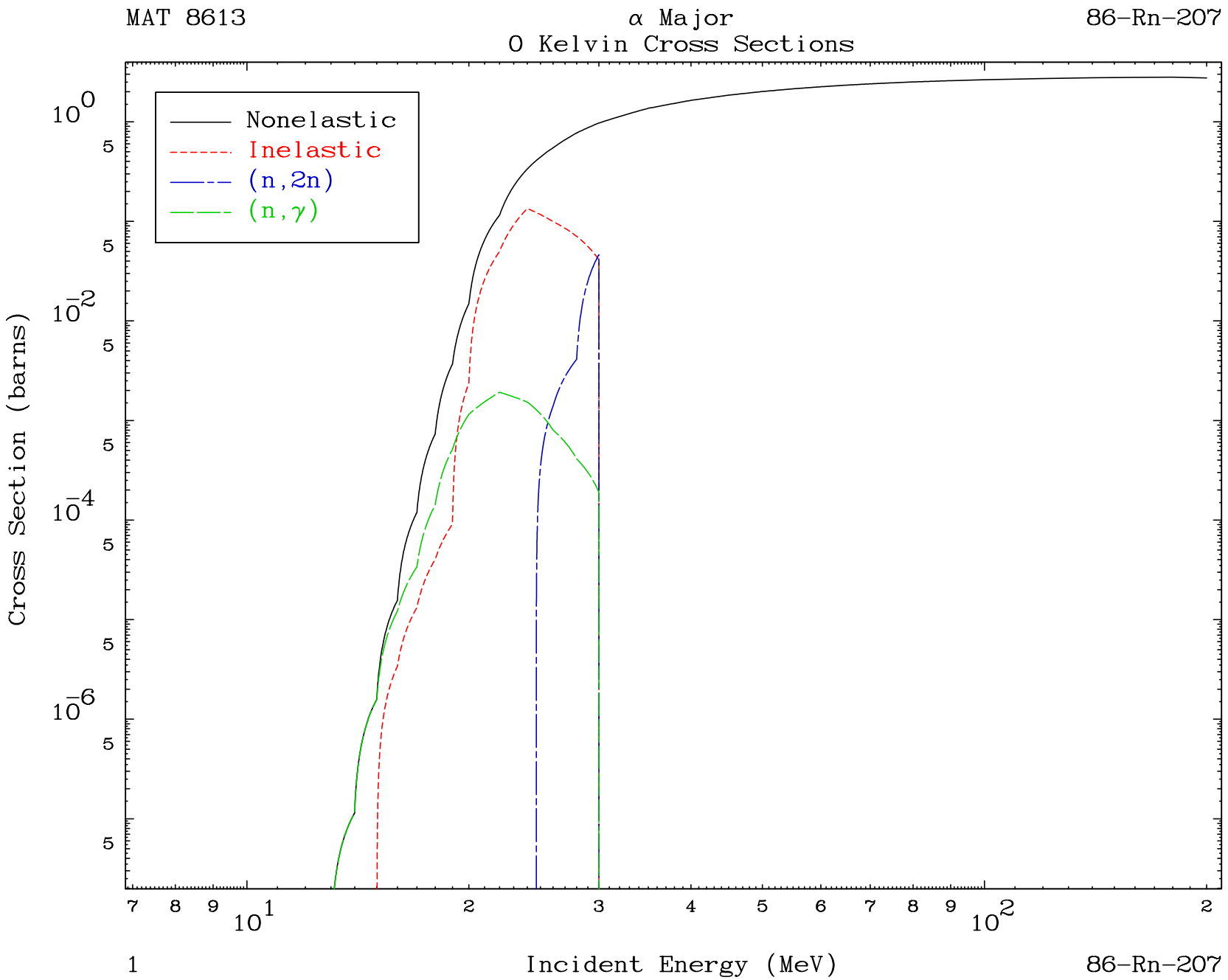
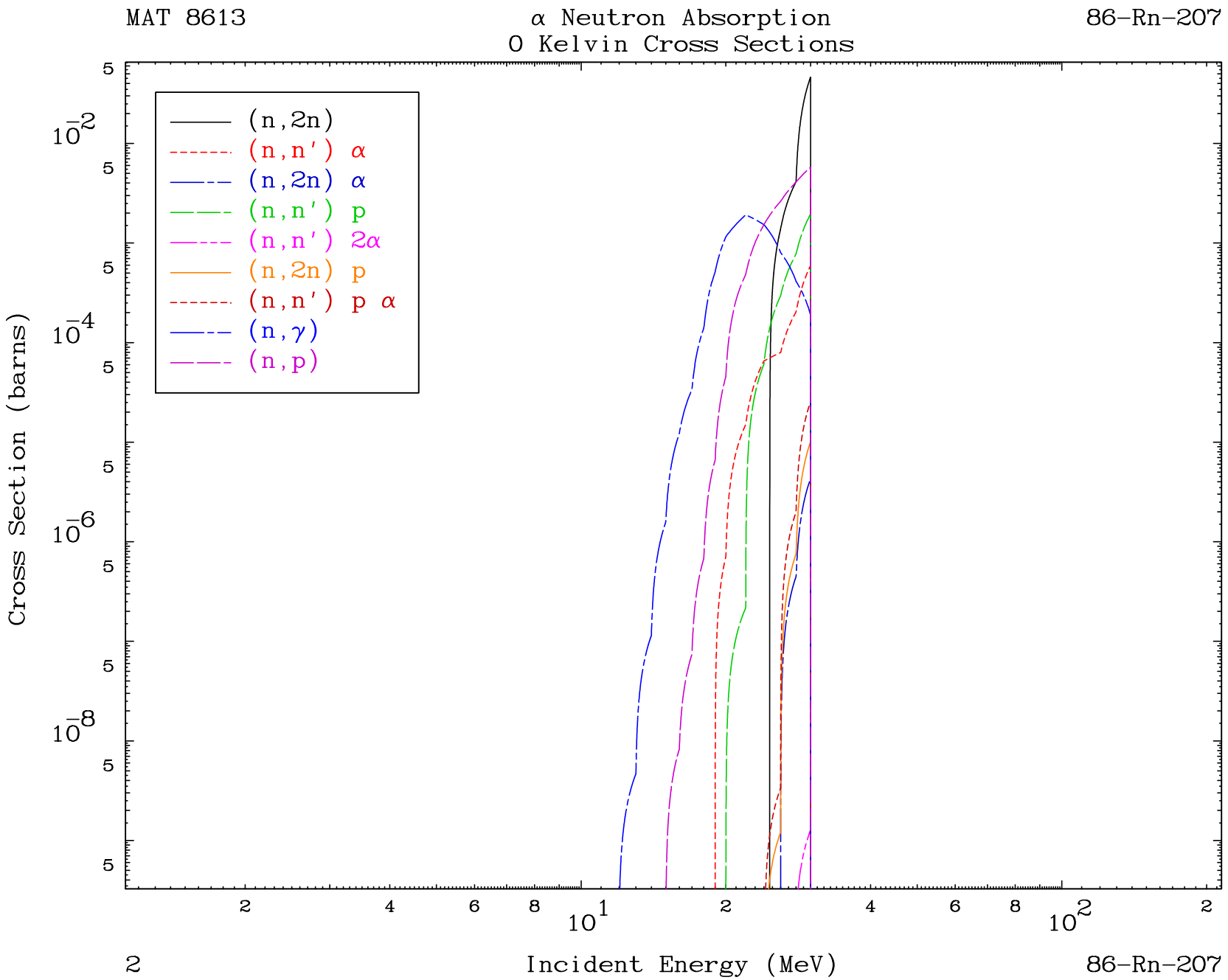
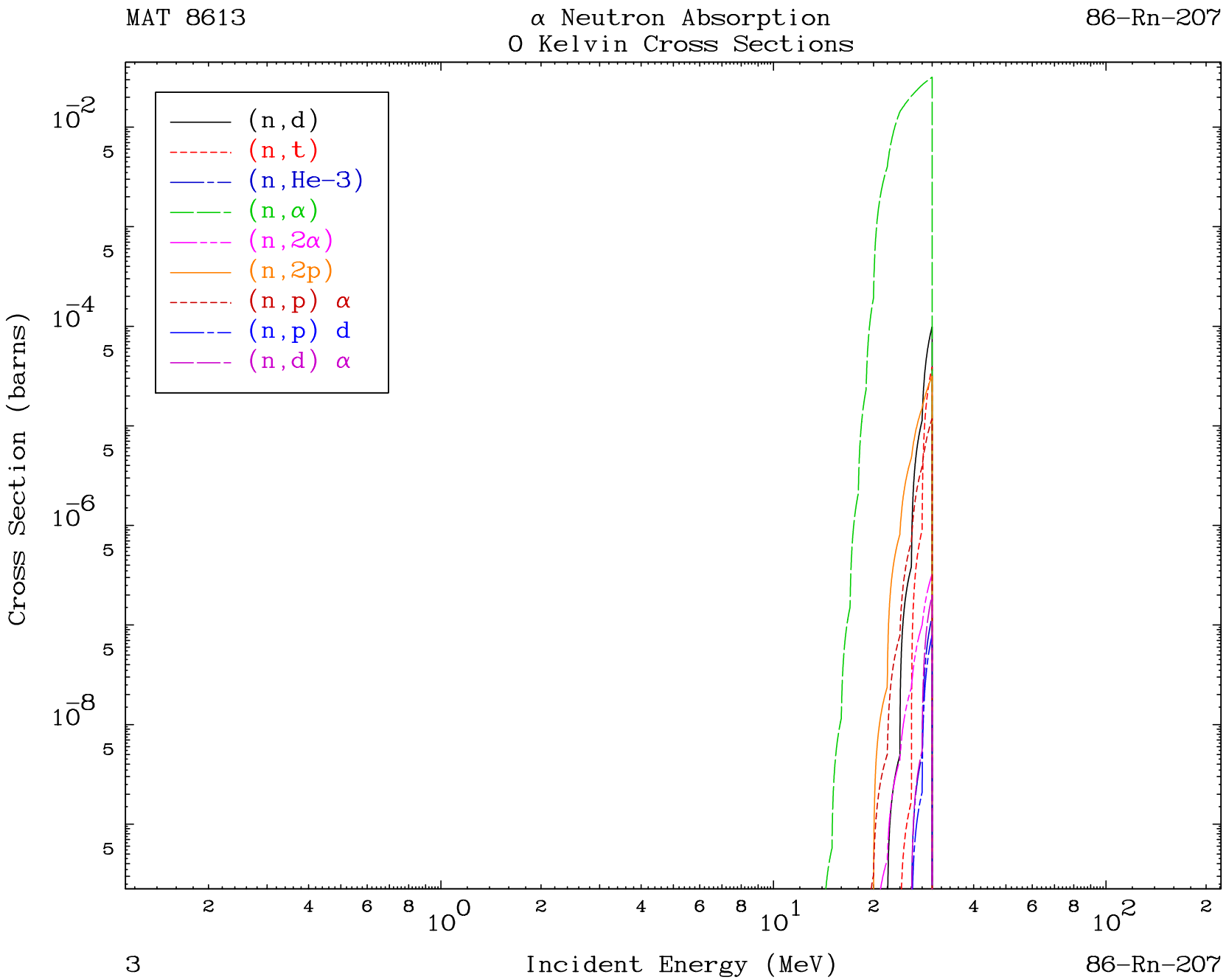
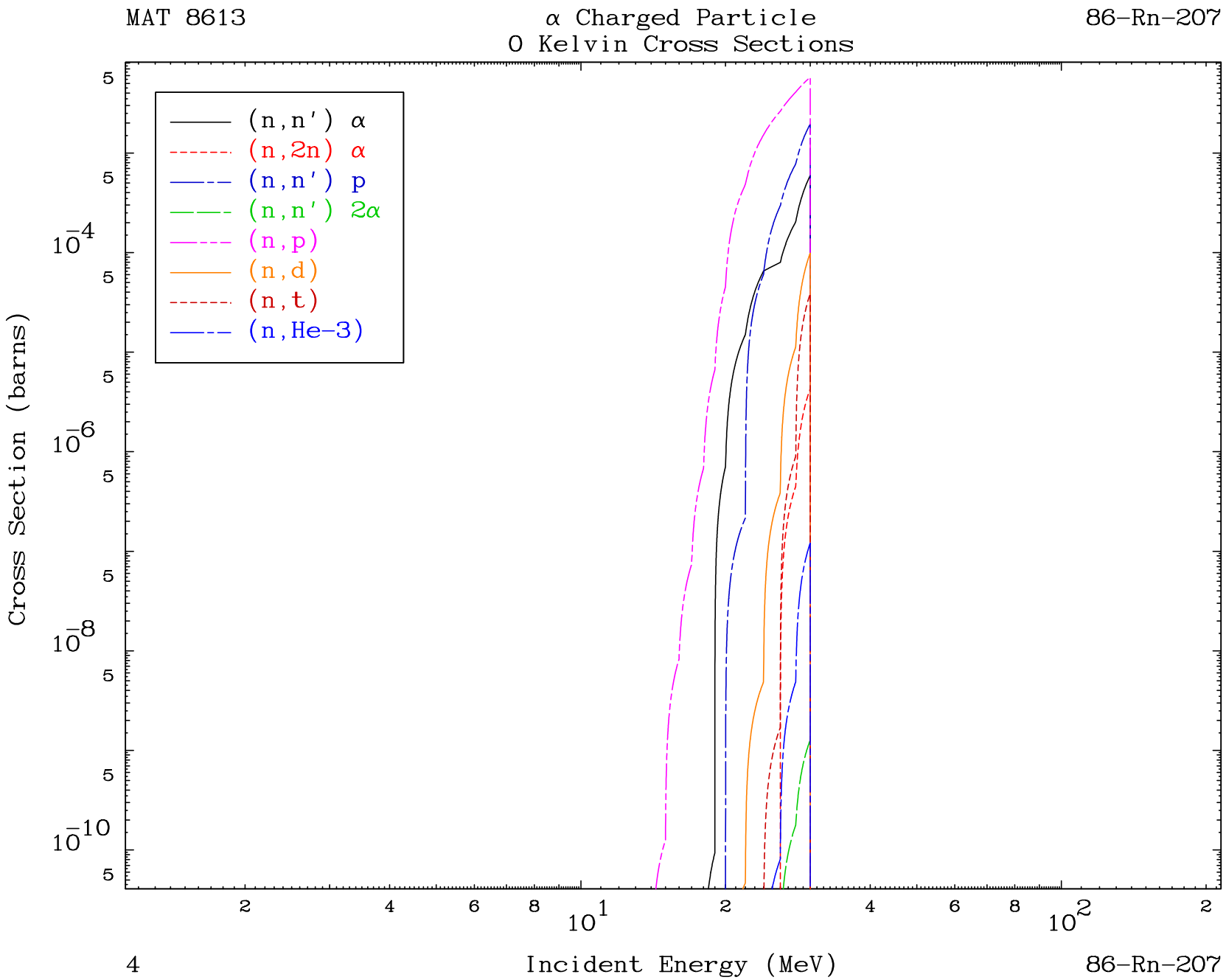
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

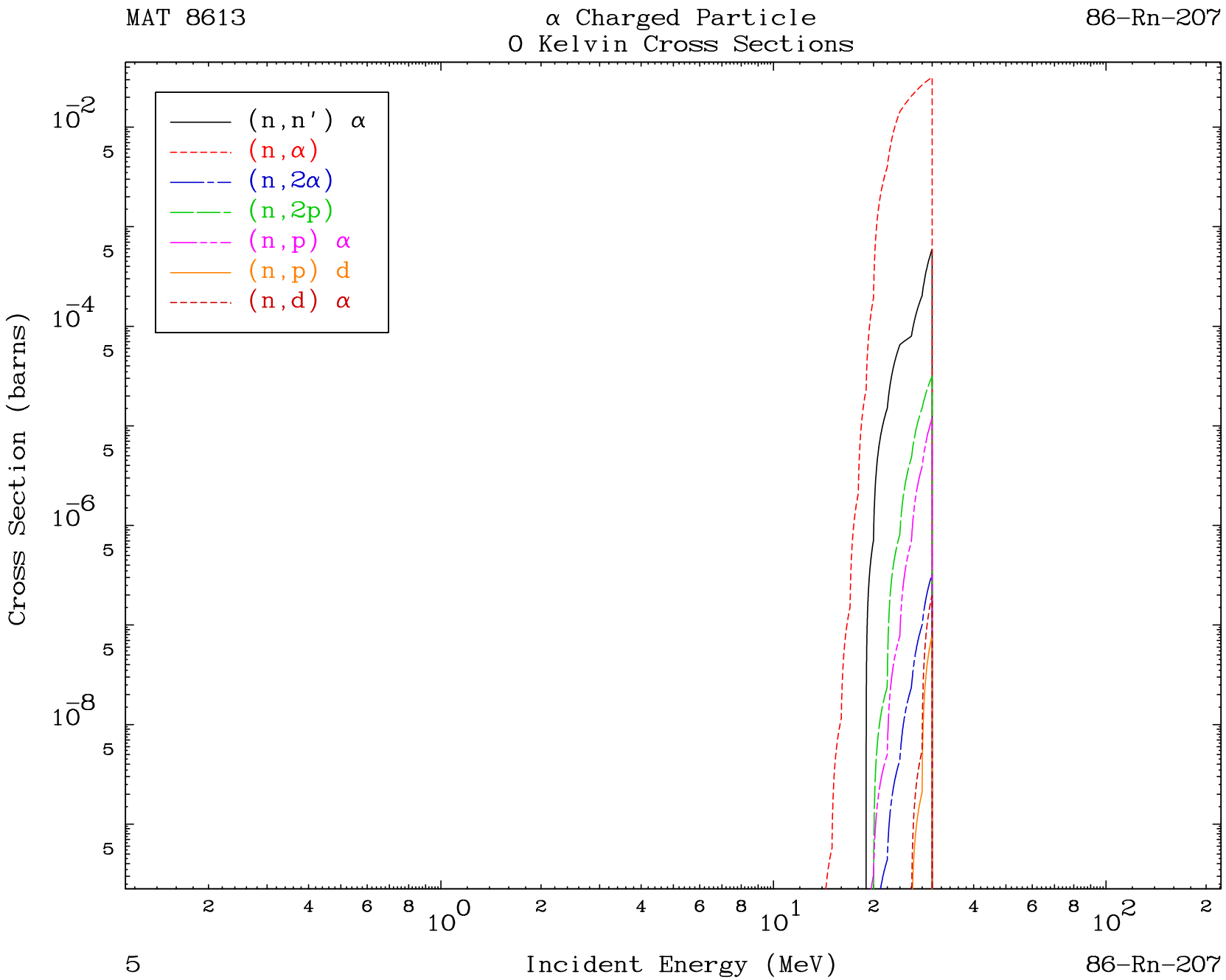
Press Mouse Button to Start

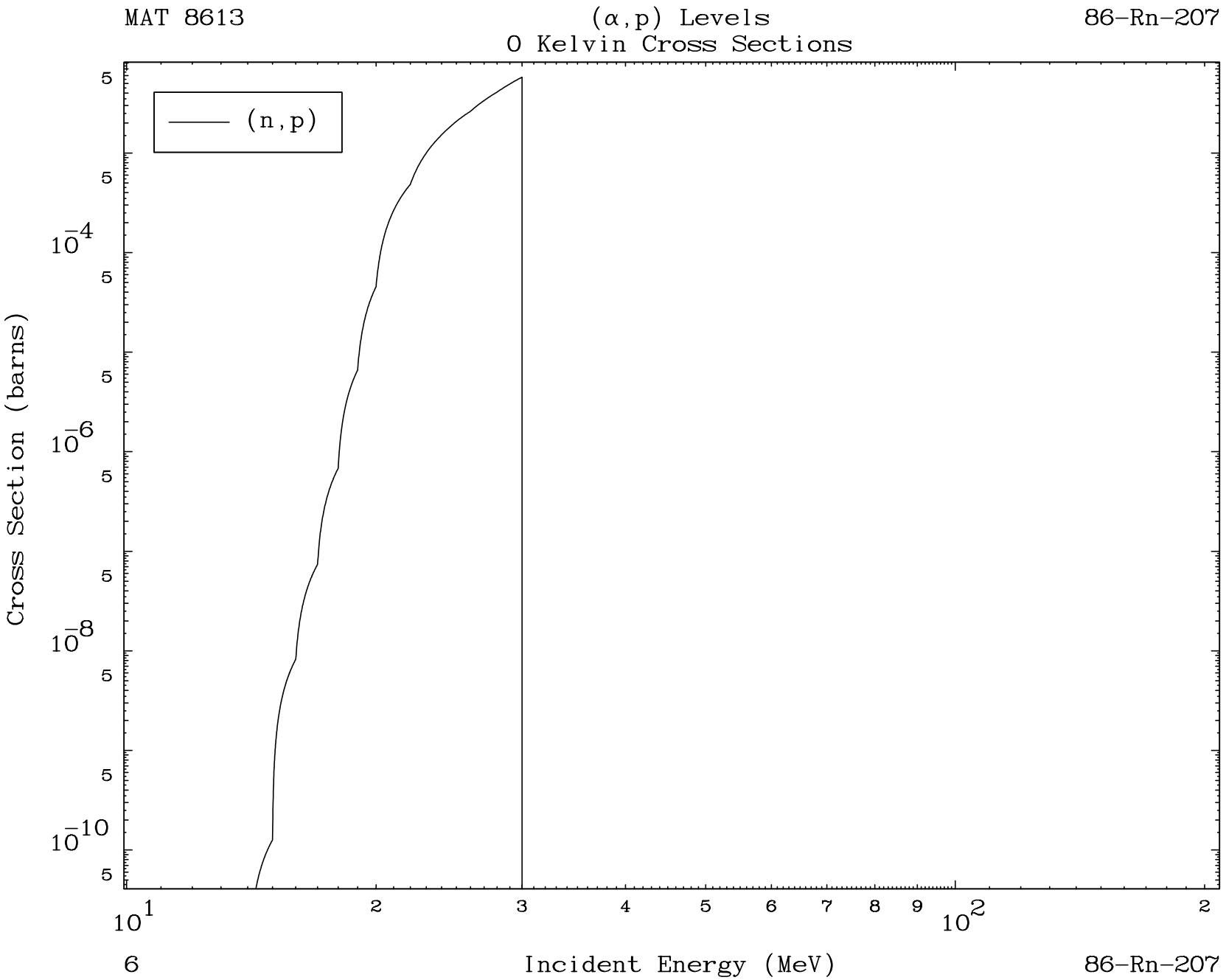

MAT 8613
α Major
86-Rn-207
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-207

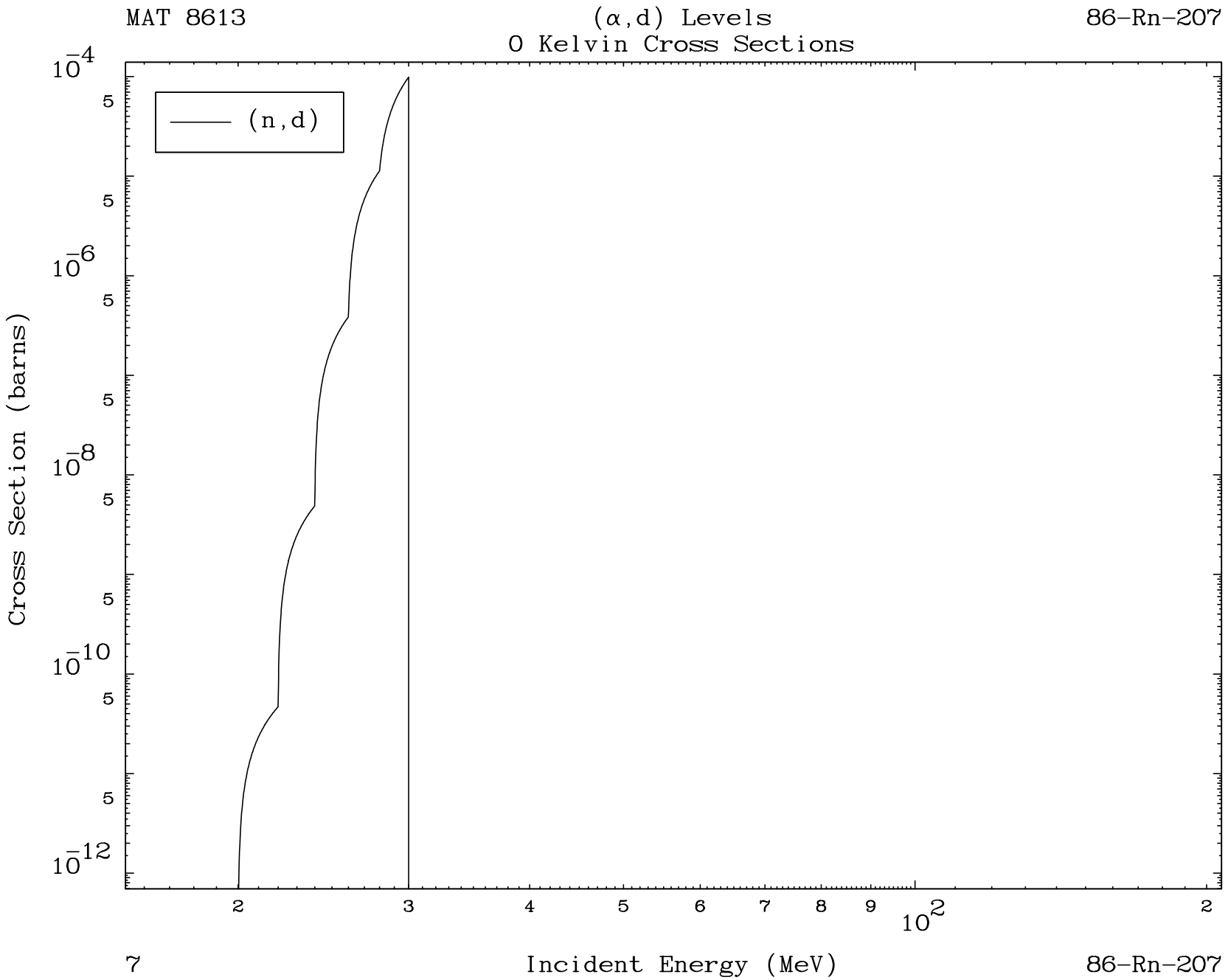

MAT 8613
α Neutron Absorption
0 Kelvin Cross Sections
86-Rn-207
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-207

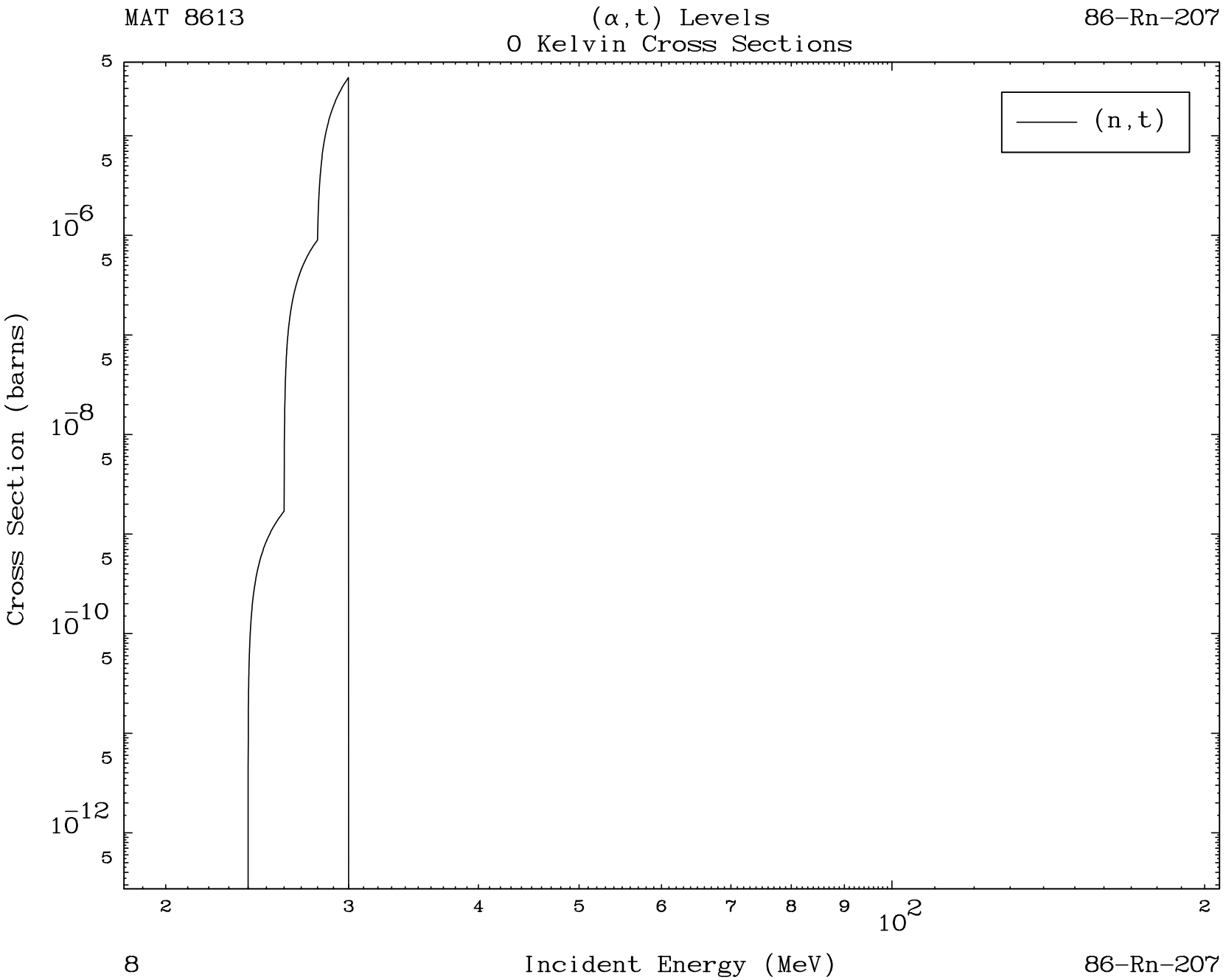

MAT 8613
α Neutron Absorption
0 Kelvin Cross Sections
86-Rn-207
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
86-Rn-207


MAT 8613
α Charged Particle
0 Kelvin Cross Sections
86-Rn-207
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
86-Rn-207

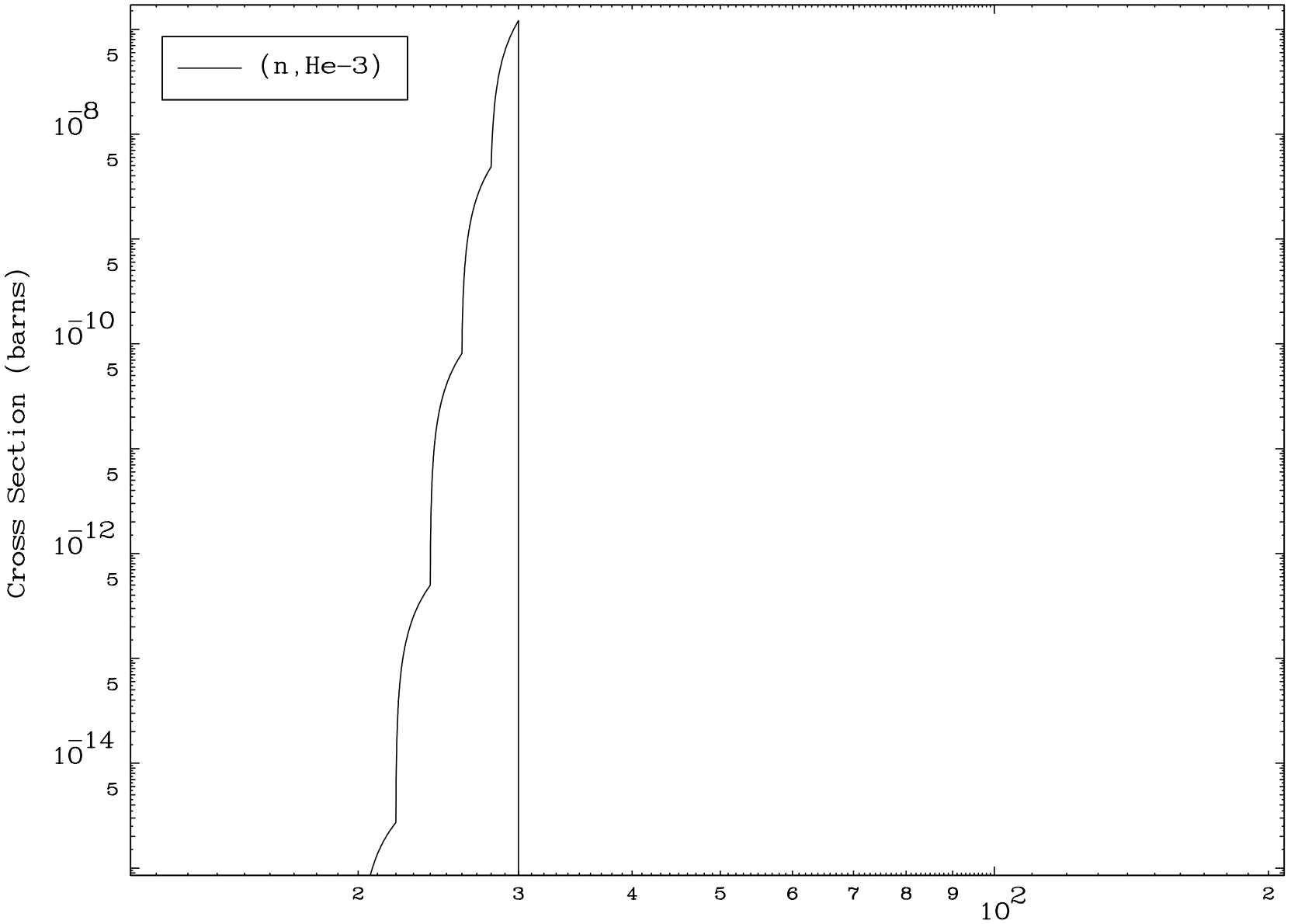

MAT 8613
α Charged Particle
0 Kelvin Cross Sections
86-Rn-207
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
86-Rn-207

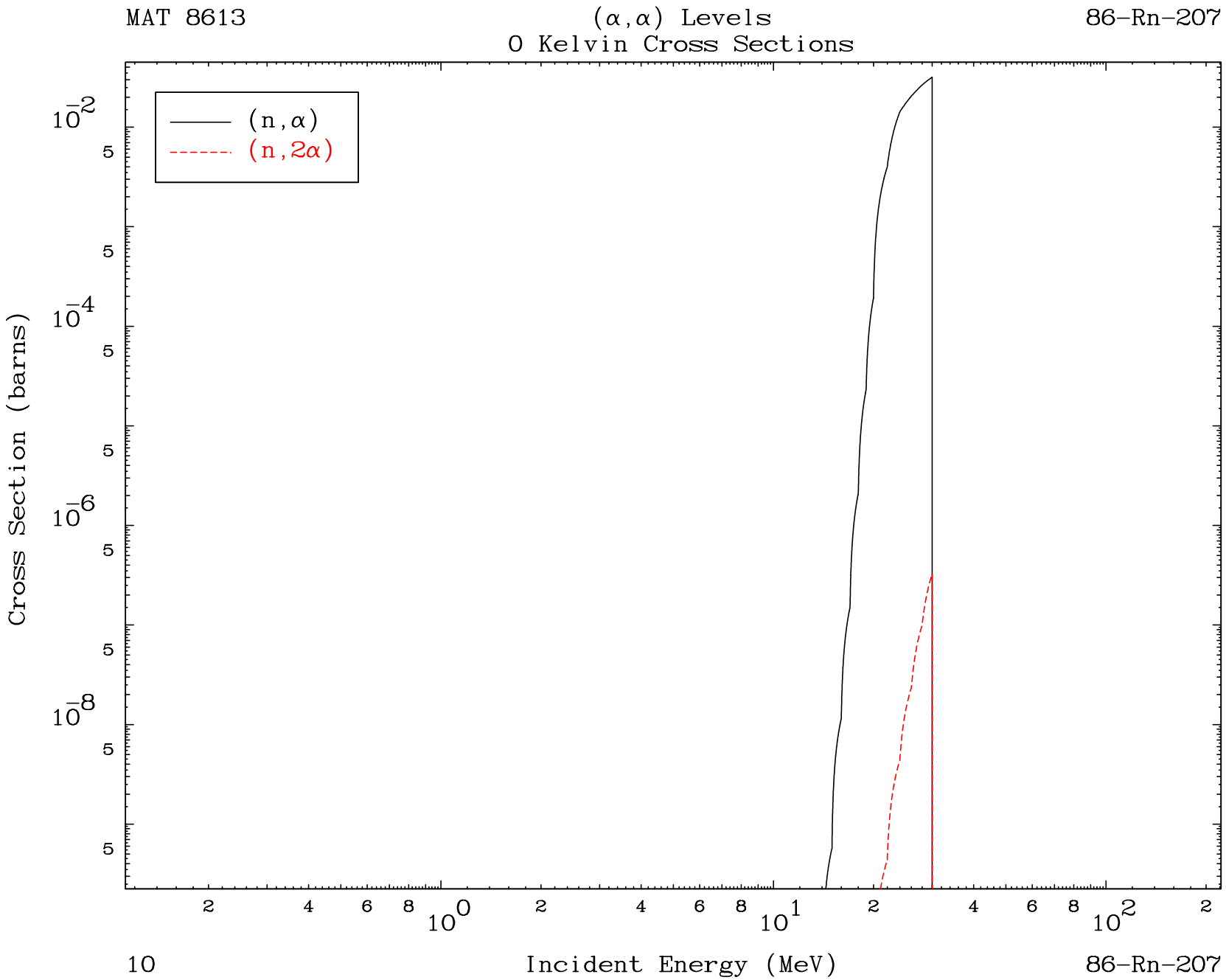

MAT 8613
(α,p) Levels
86-Rn-207
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
86-Rn-207

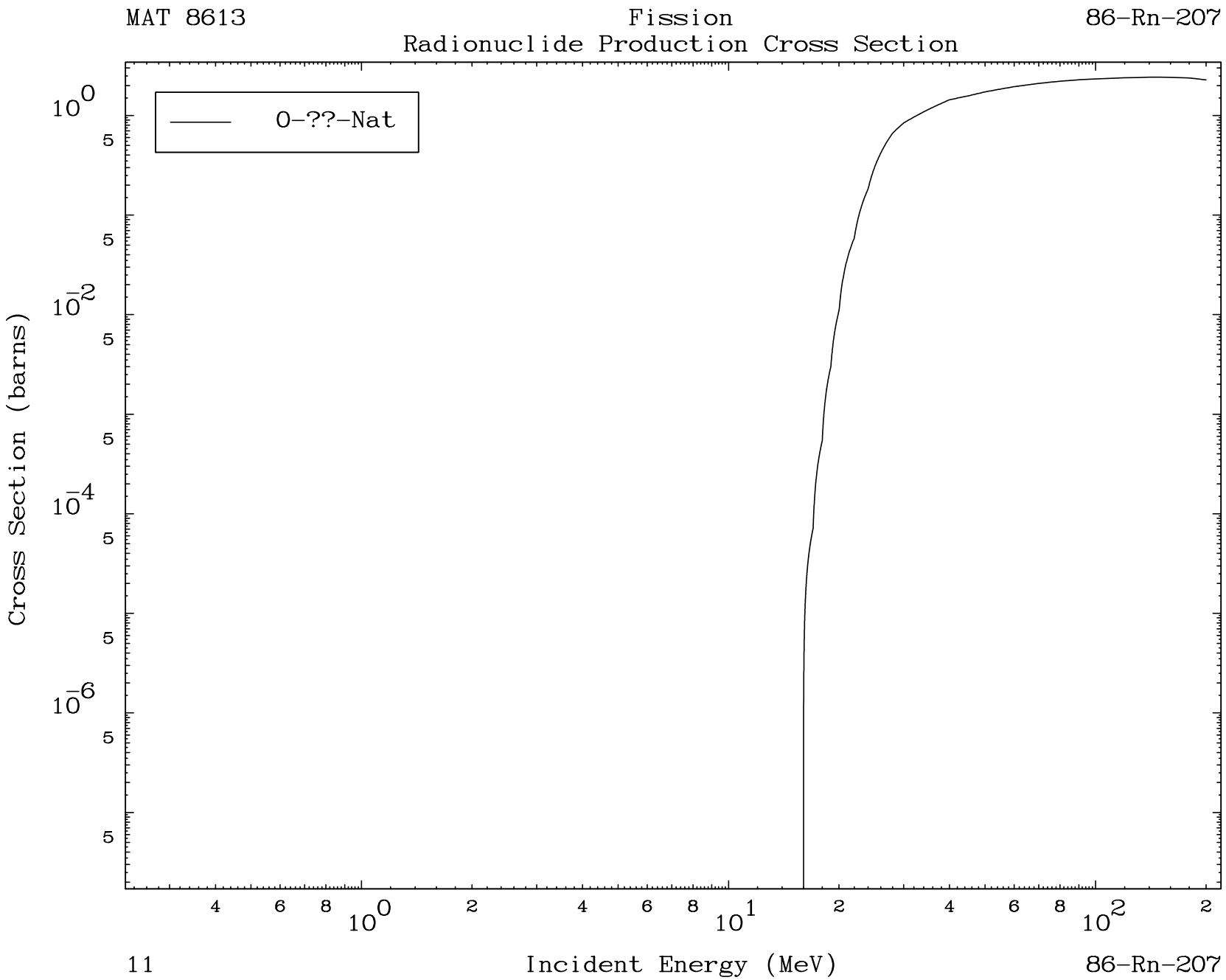

MAT 8613
(α,d) Levels
86-Rn-207
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
86-Rn-207

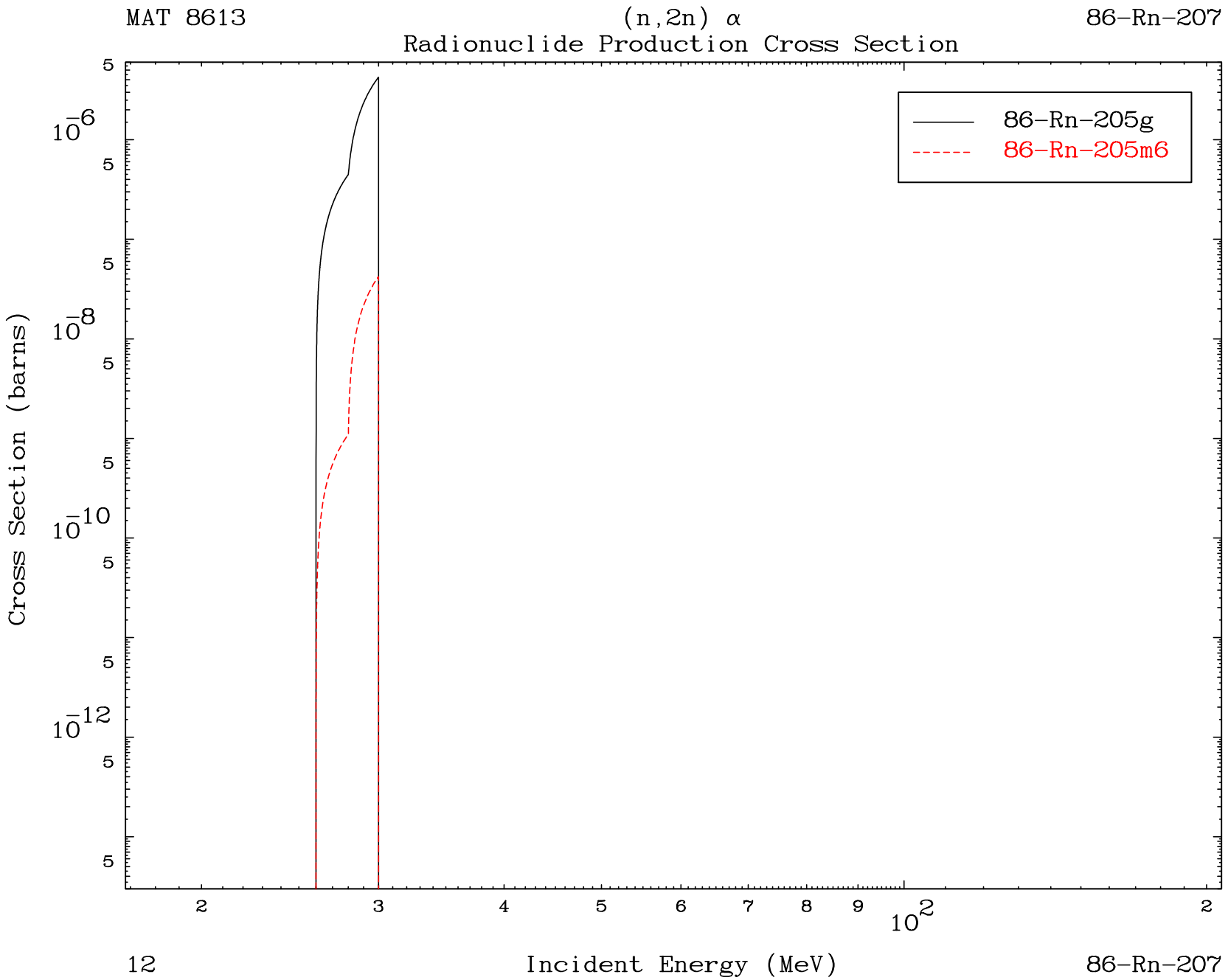

MAT 8613
(α,t) Levels
86-Rn-207
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
86-Rn-207

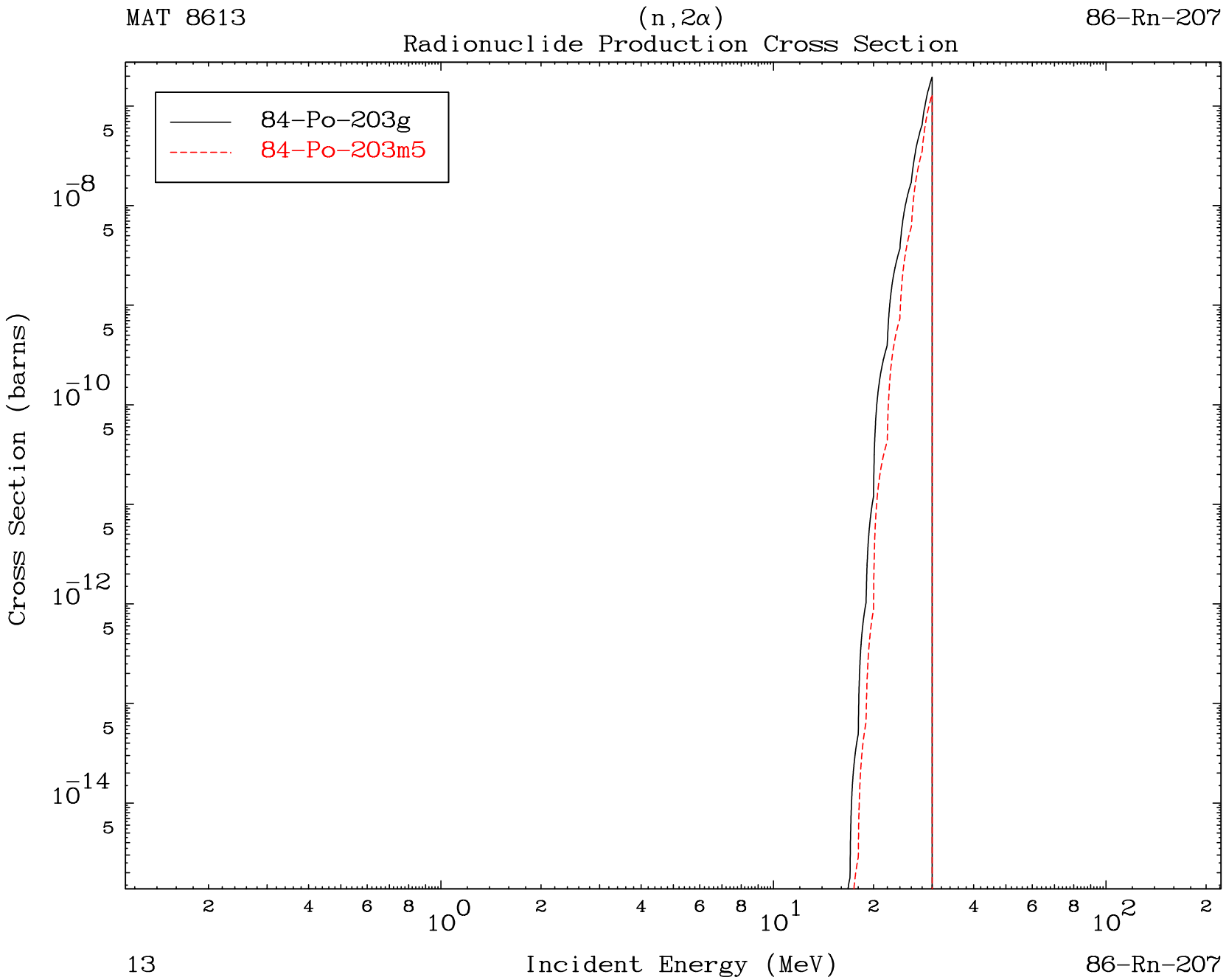
0 Kelvin Cross Sections




MAT 8613
(α,α) Levels
86-Rn-207
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
86-Rn-207


MAT 8613
Fission
86-Rn-207
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
11
86-Rn-207


MAT 8613
(n,2n) α
86-Rn-207
Radionuclide Production Cross Section
86-Rn-205g
86-Rn-205m6
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
12
86-Rn-207


MAT 8613
(n,2α)
86-Rn-207
Radionuclide Production Cross Section
84-Po-203g
84-Po-203m5
Cross Section (barns)
10-8
10-10
10-12
10-14
5
100
101
102
2
4
6
8
13
Incident Energy (MeV)
86-Rn-207