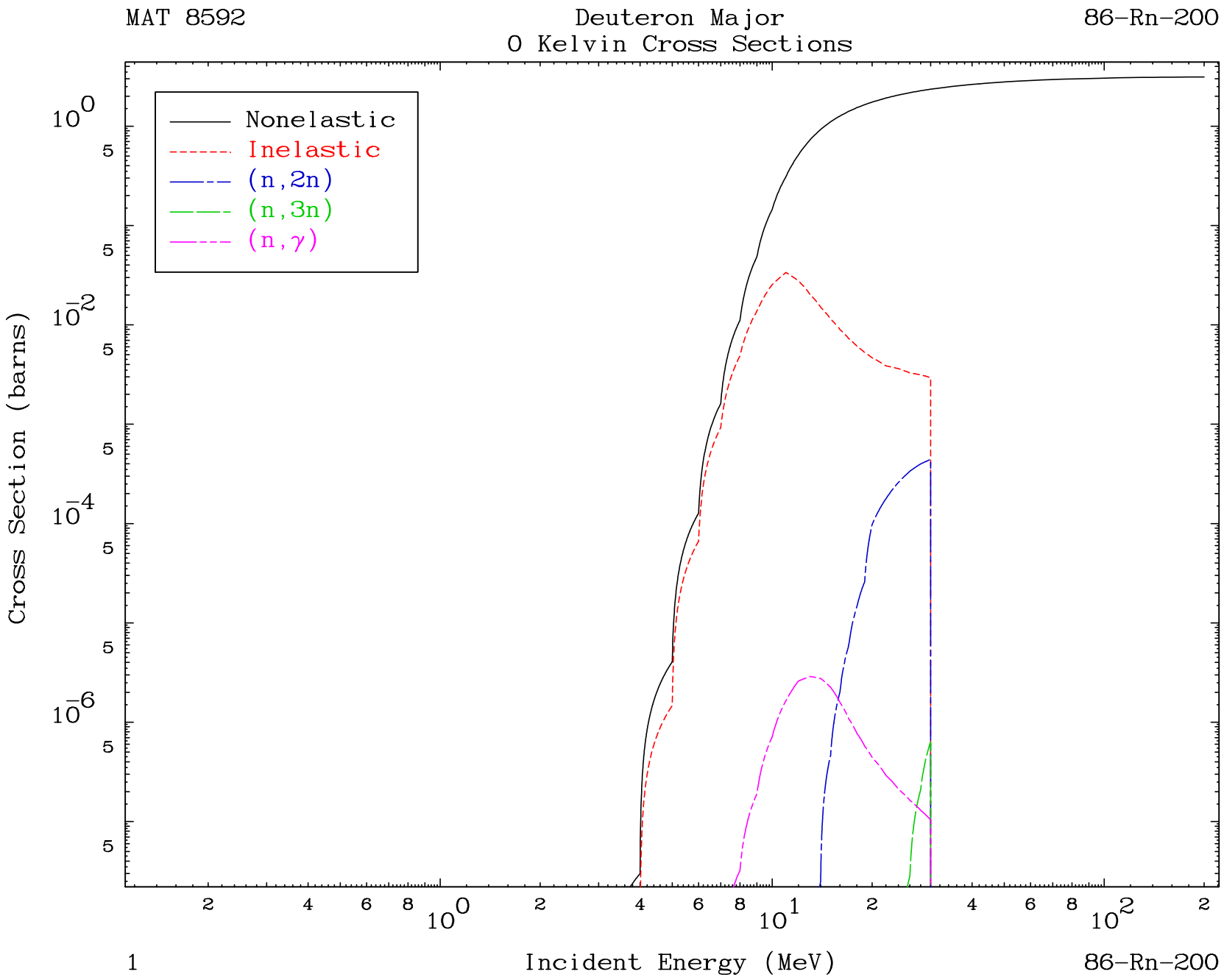
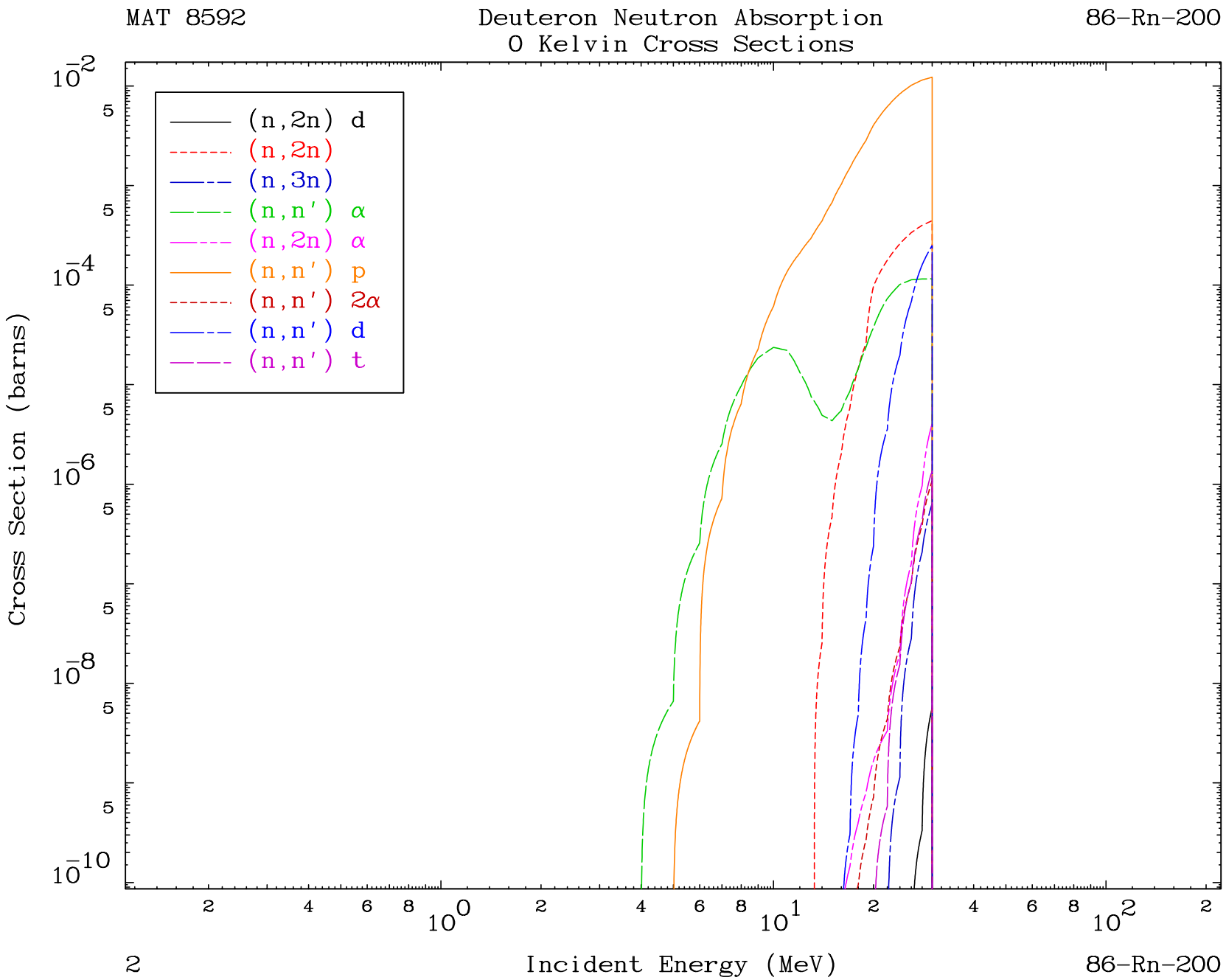
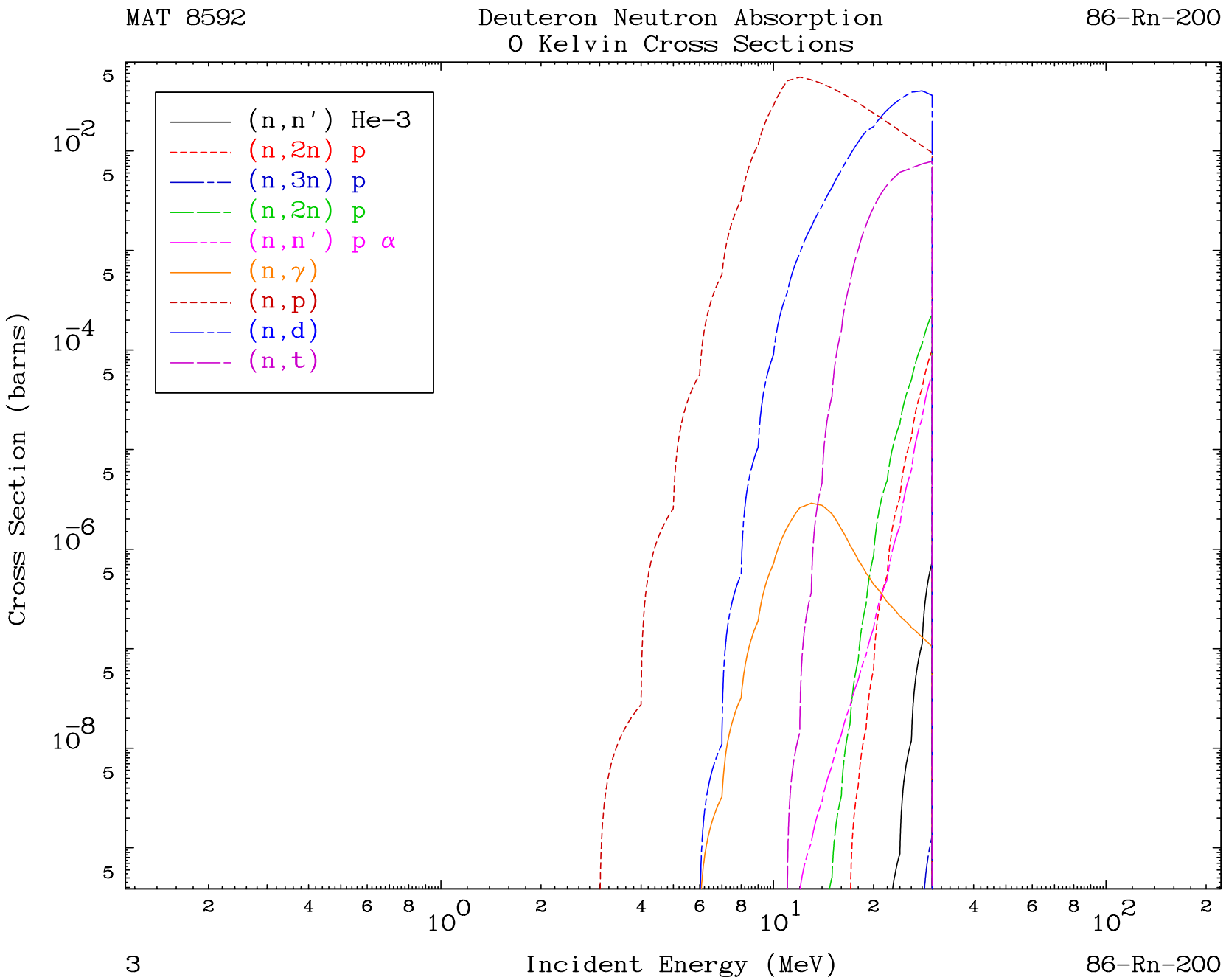
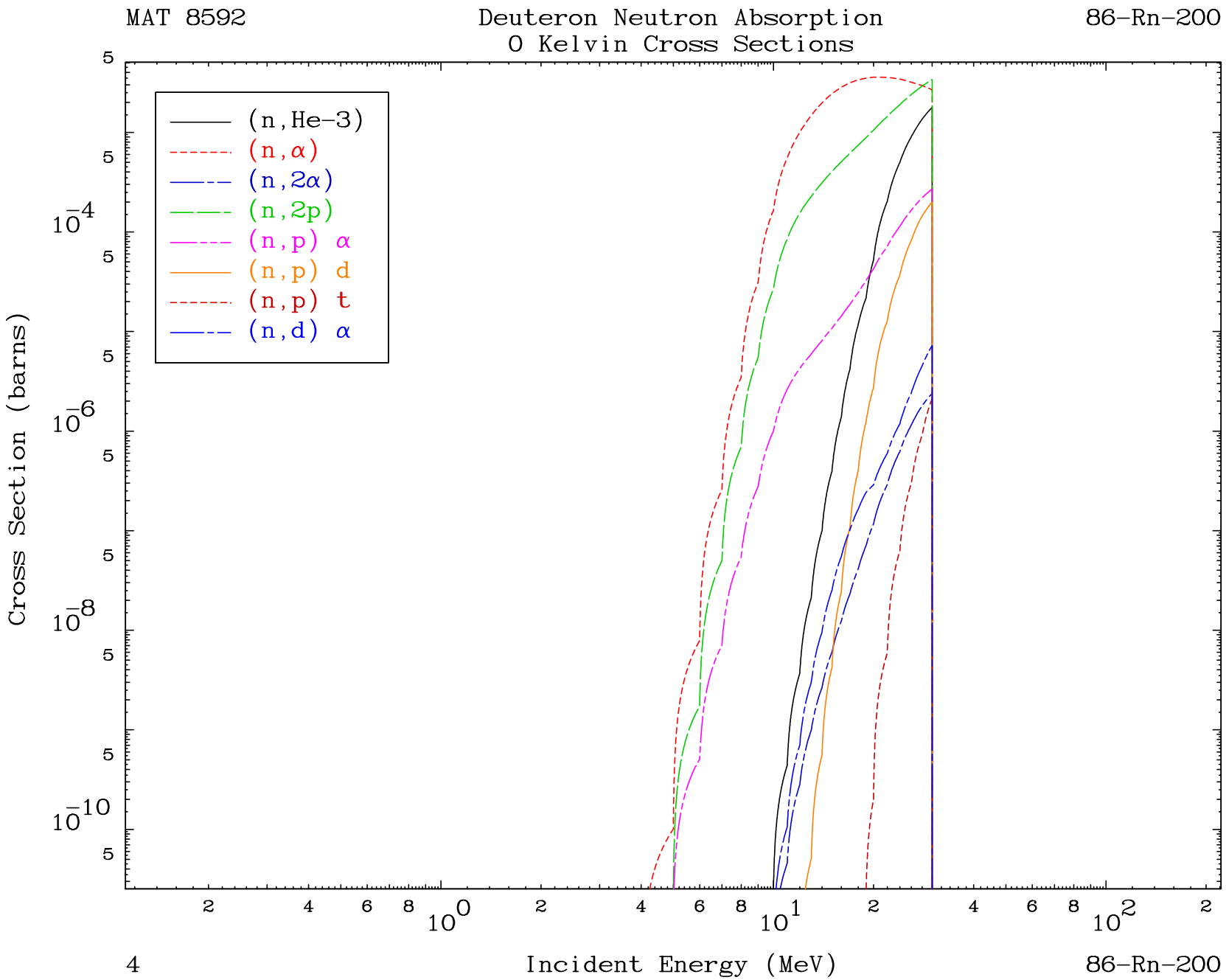
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

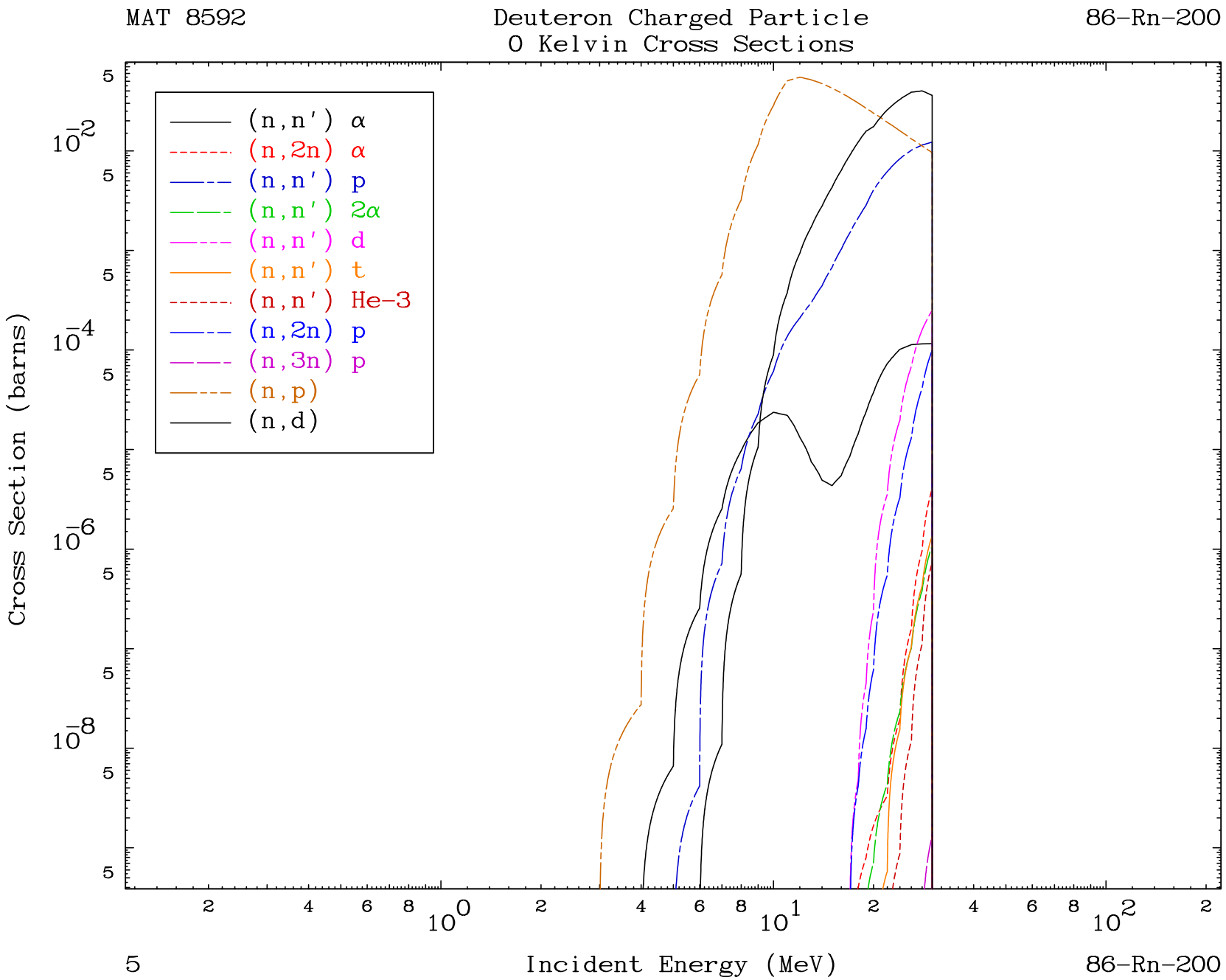
Press Mouse Button to Start

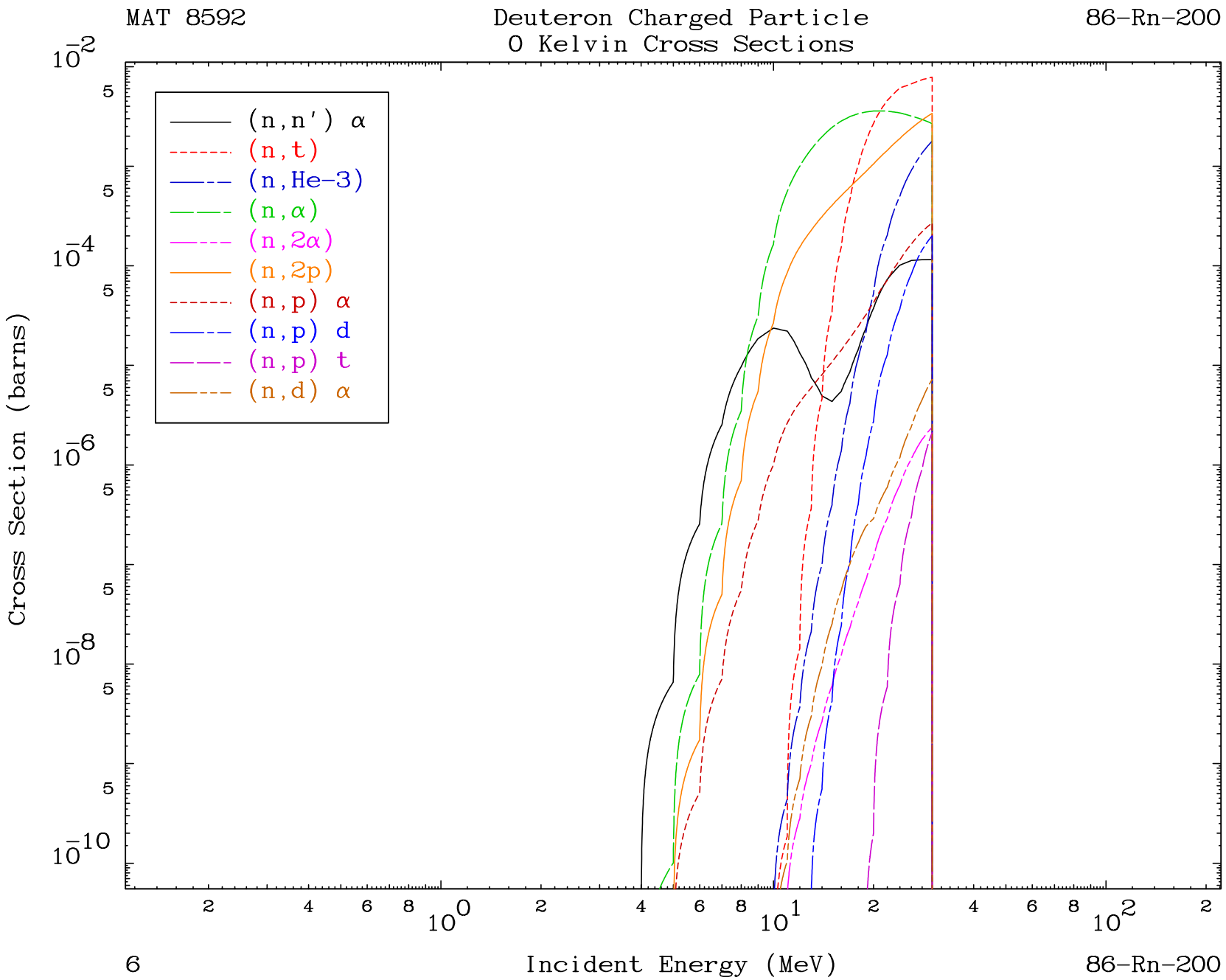

MAT 8592
Deuteron Major
0 Kelvin Cross Sections
86-Rn-200
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-200
1

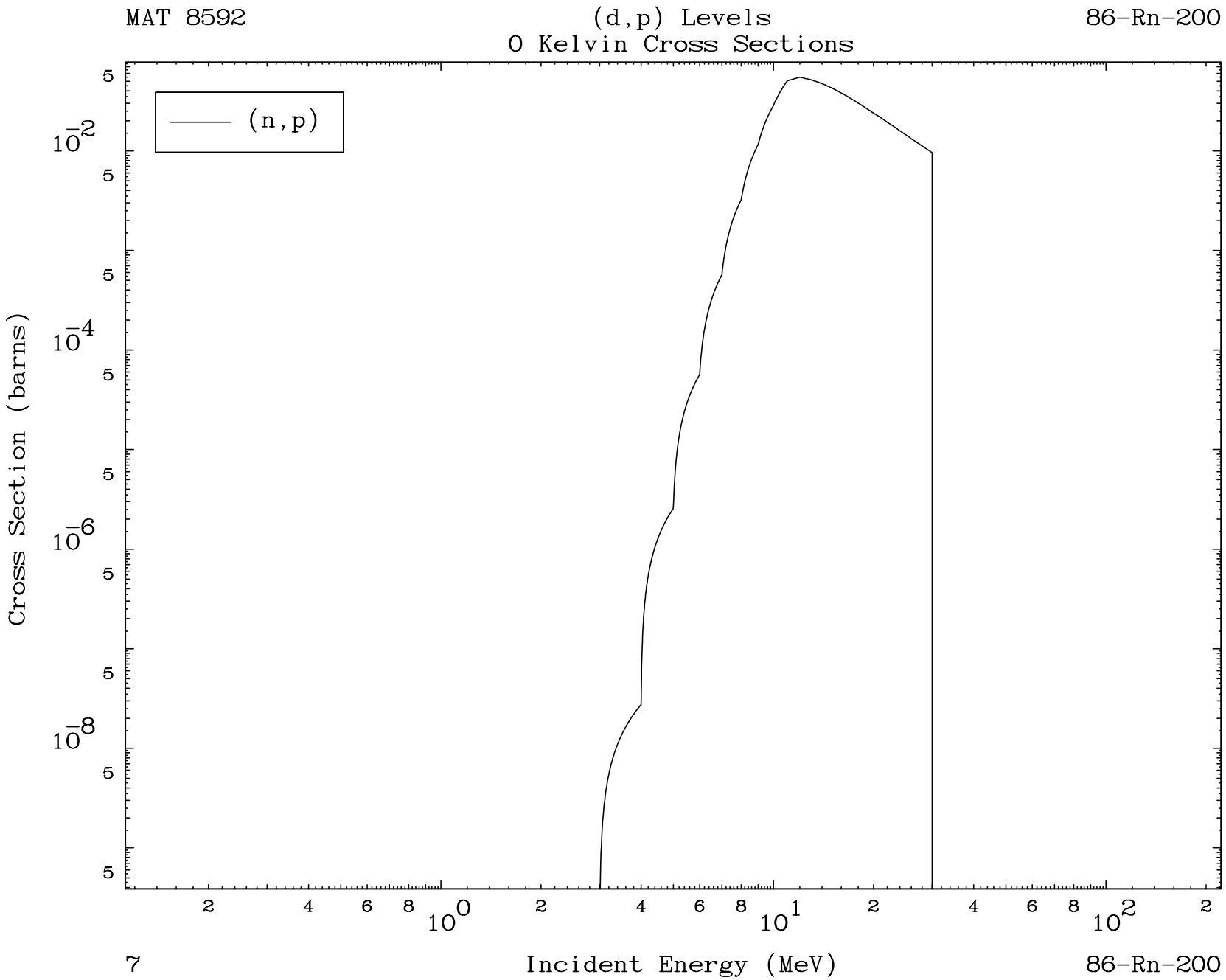

MAT 8592
Deuteron Neutron Absorption
0 Kelvin Cross Sections
86-Rn-200
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
86-Rn-200

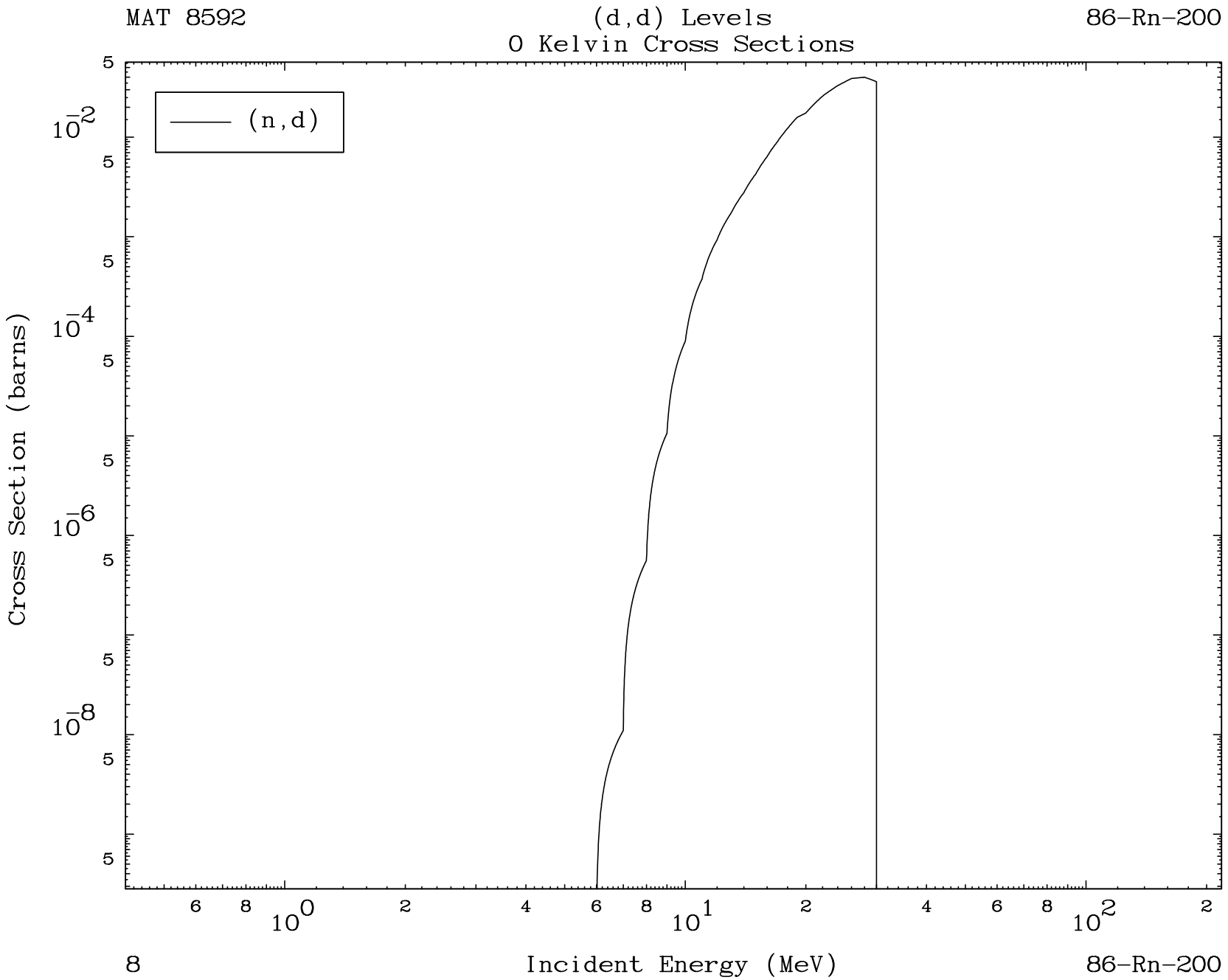

MAT 8592
Deuteron Neutron Absorption
0 Kelvin Cross Sections
86-Rn-200
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
86-Rn-200

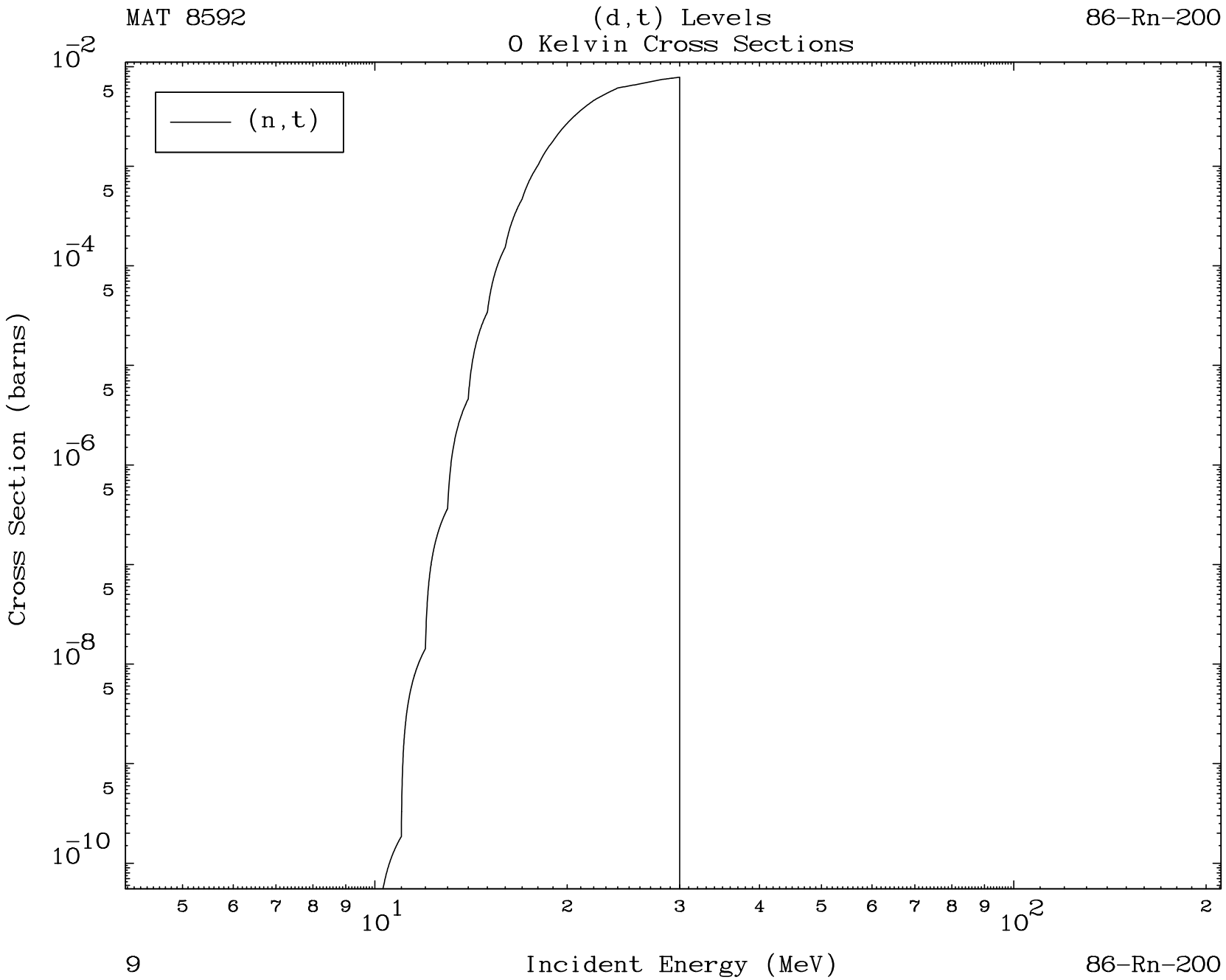

MAT 8592
Deuteron Neutron Absorption
0 Kelvin Cross Sections
86-Rn-200
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
86-Rn-200

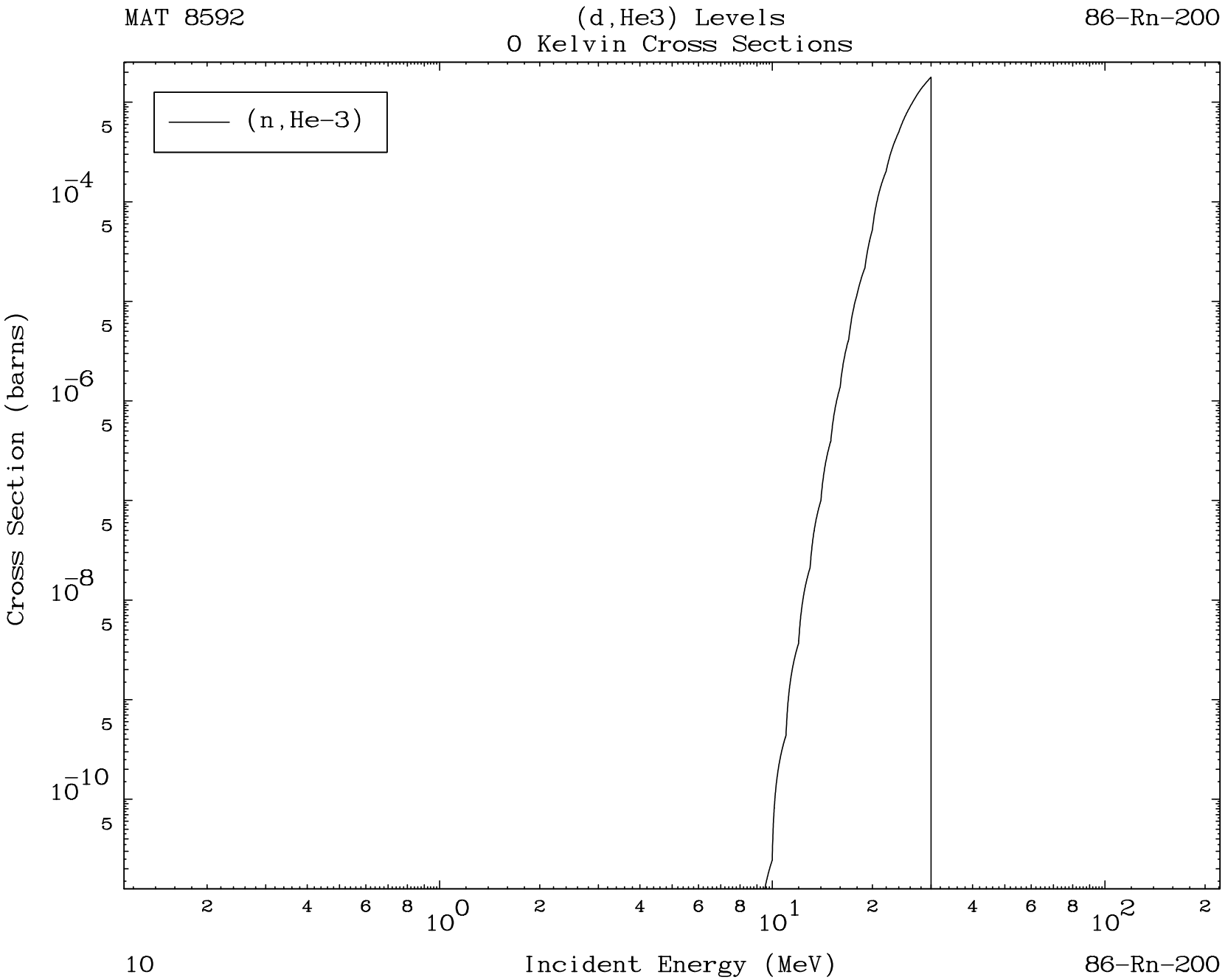

MAT 8592
Deuteron Charged Particle
0 Kelvin Cross Sections
86-Rn-200
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-200

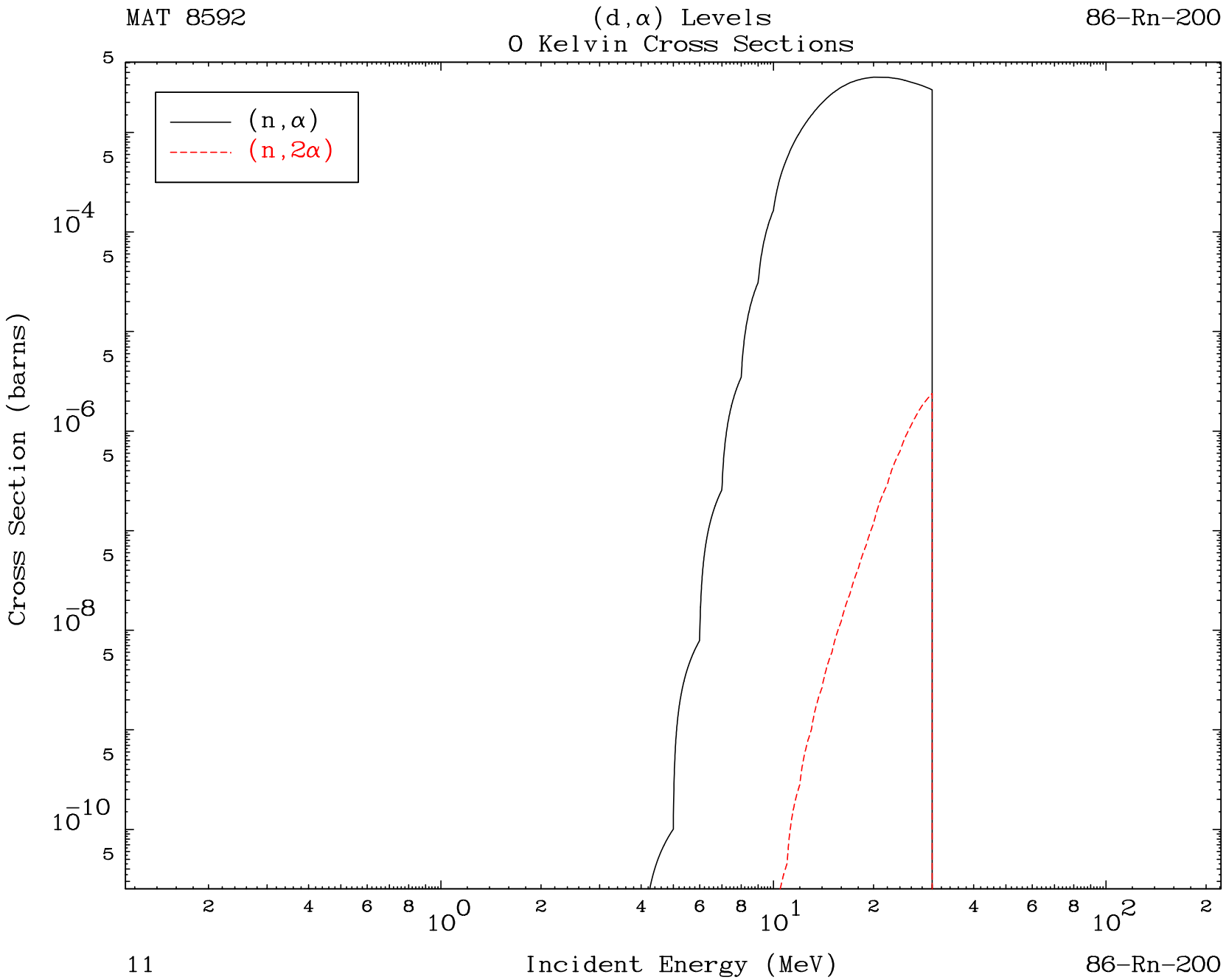

MAT 8592
Deuteron Charged Particle
0 Kelvin Cross Sections
86-Rn-200
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
86-Rn-200

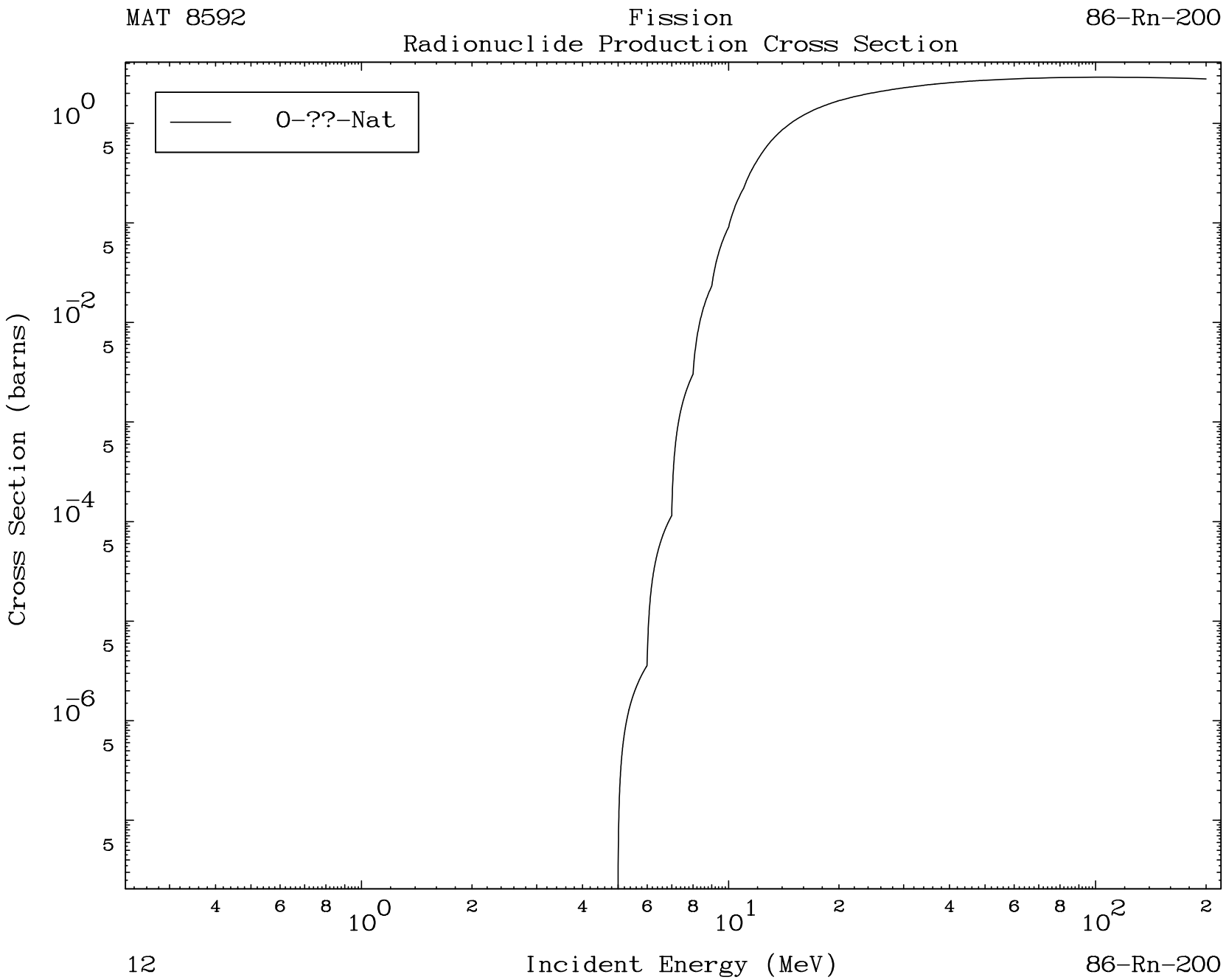

MAT 8592
(d,p) Levels
86-Rn-200
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
86-Rn-200

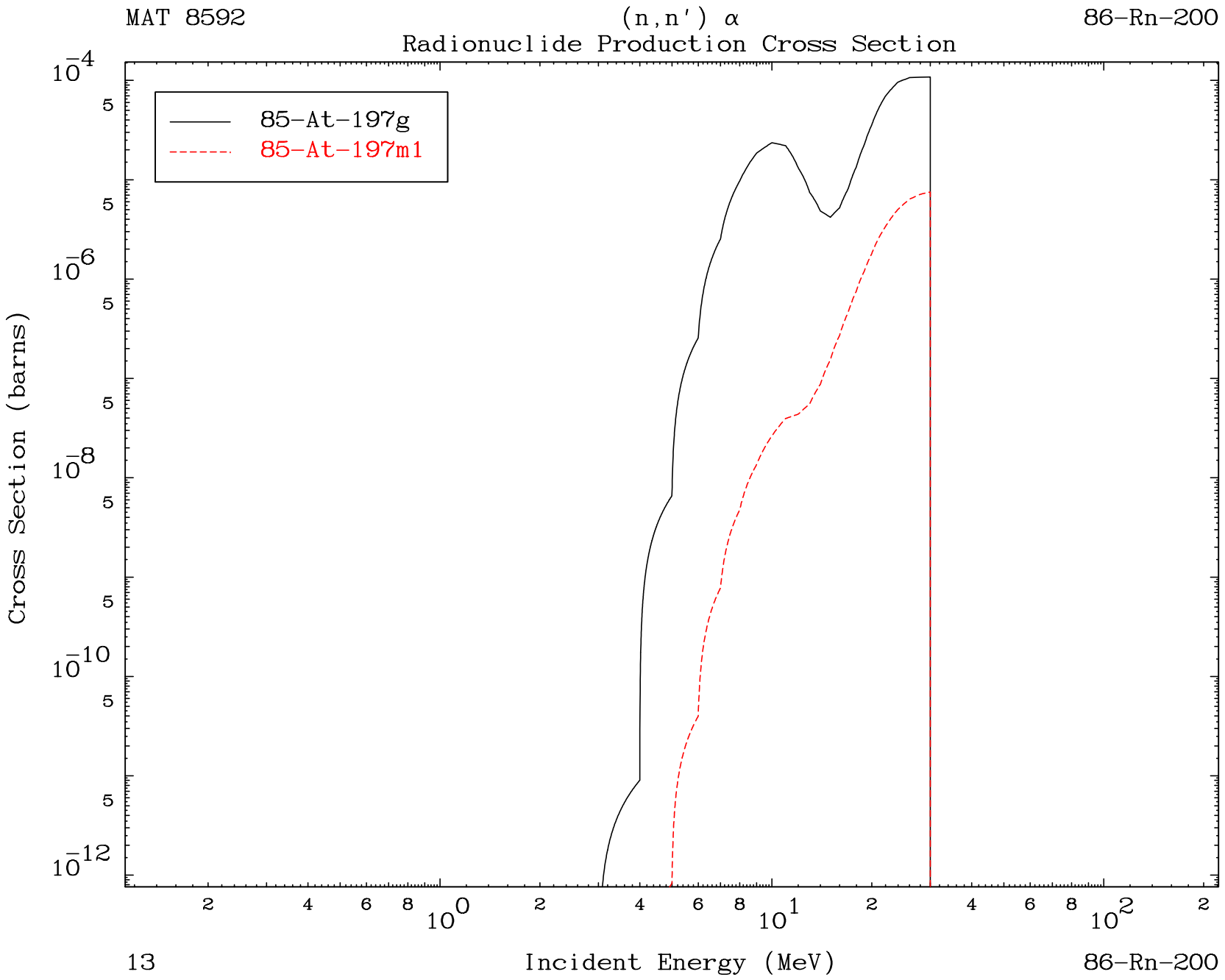

MAT 8592
(d,d) Levels
86-Rn-200
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
86-Rn-200

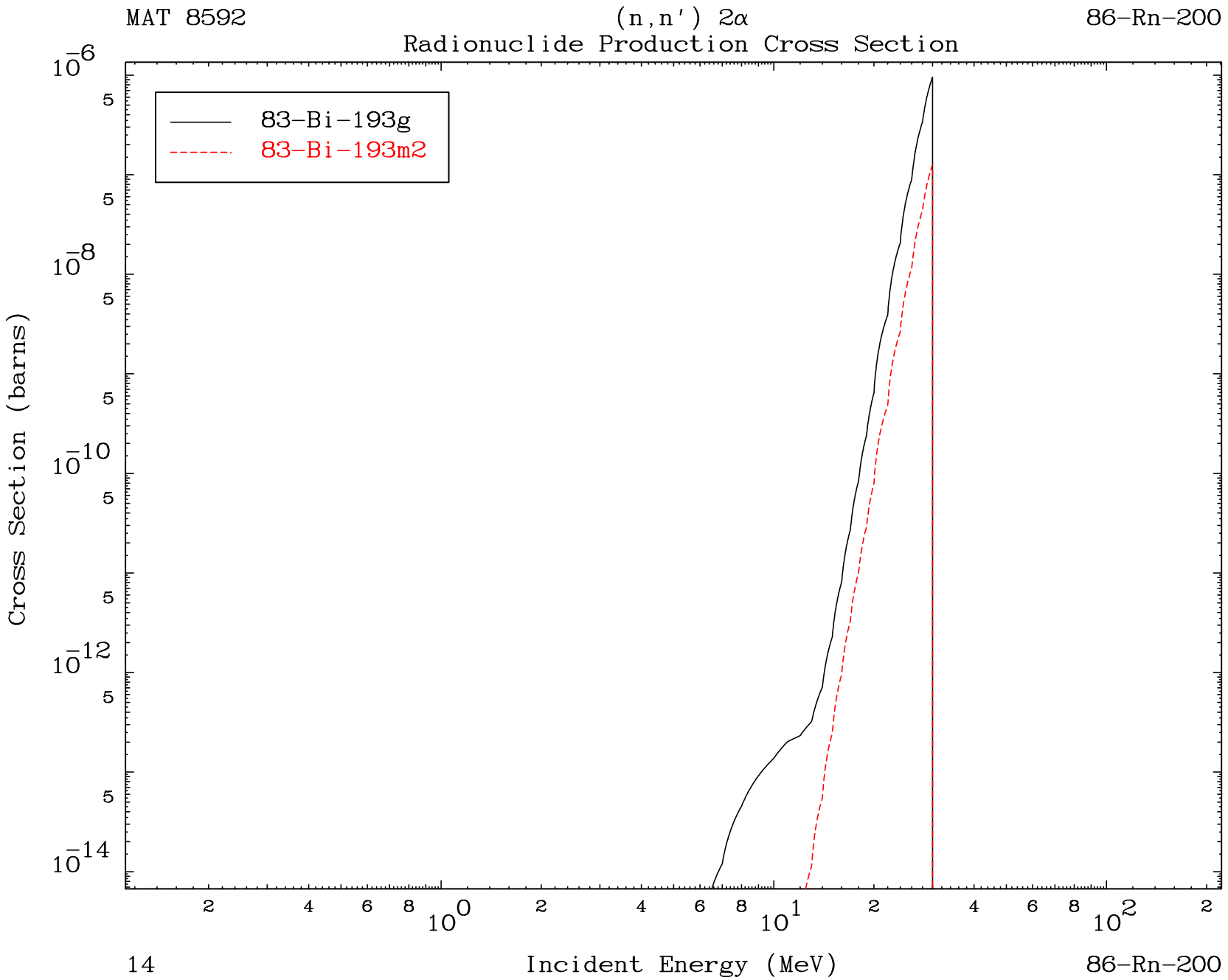

MAT 8592
(d,t) Levels
86-Rn-200
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
86-Rn-200

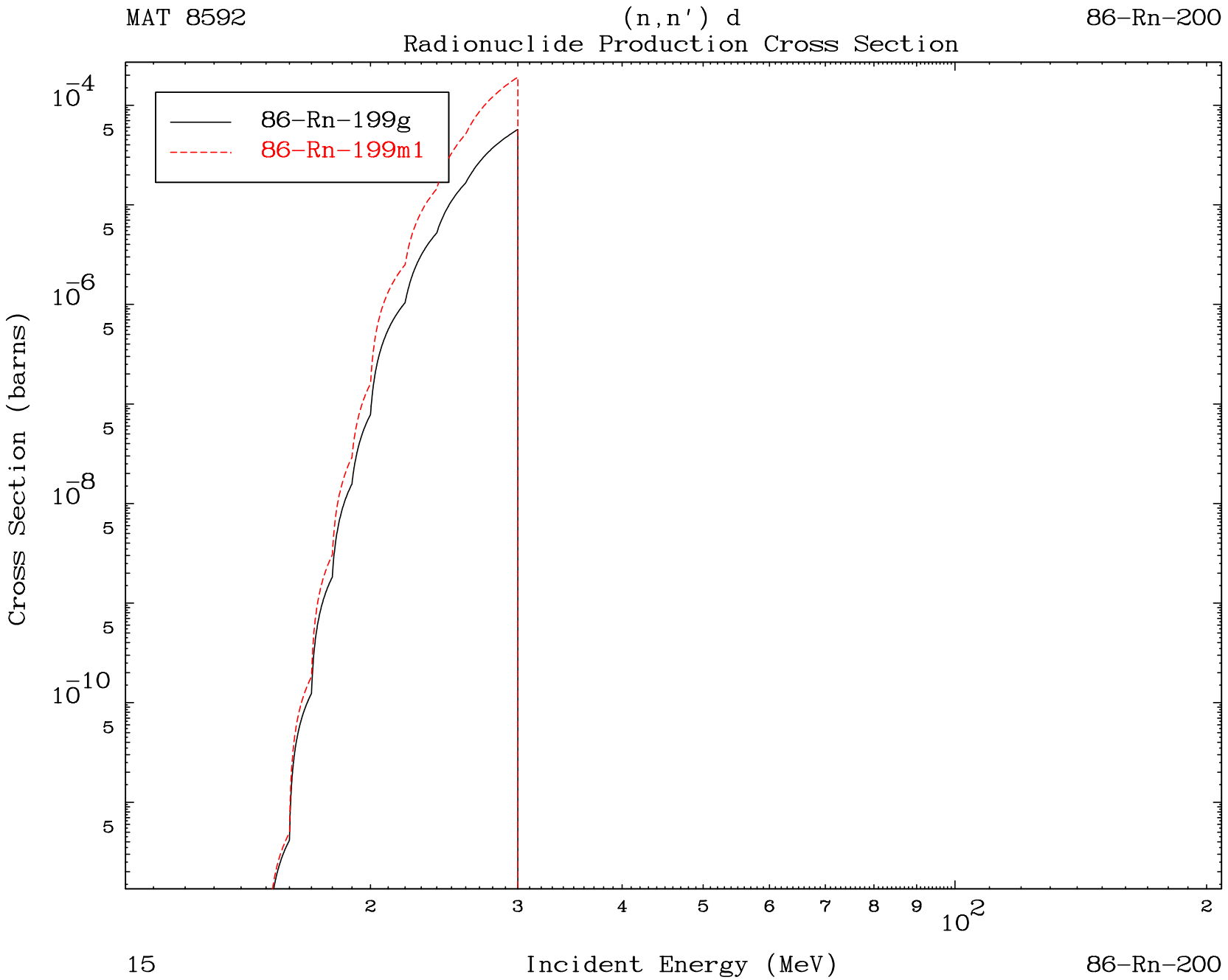

MAT 8592
(d,He3) Levels
86-Rn-200
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
10
Incident Energy (MeV)
86-Rn-200

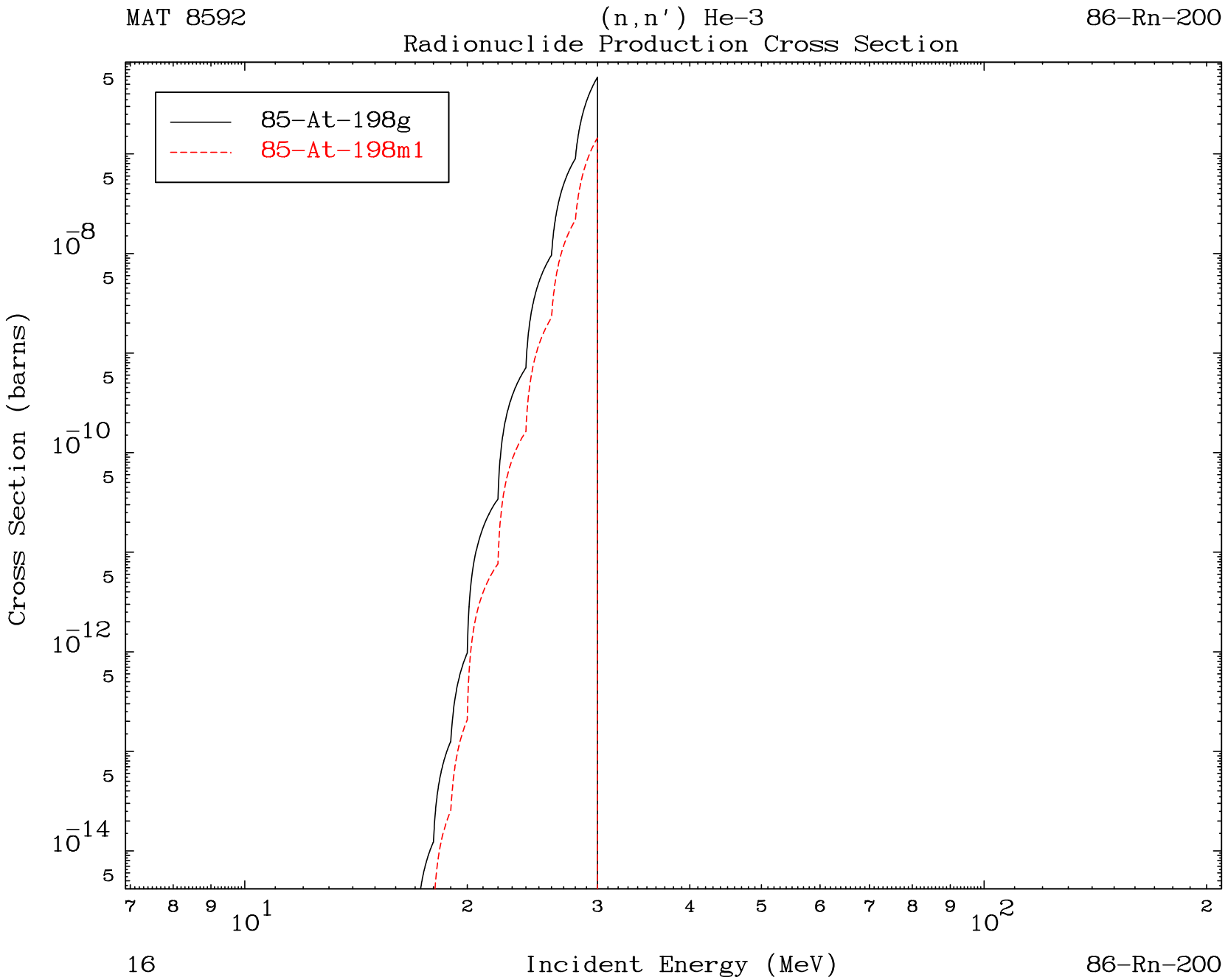

MAT 8592
(d,α) Levels
86-Rn-200
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
86-Rn-200

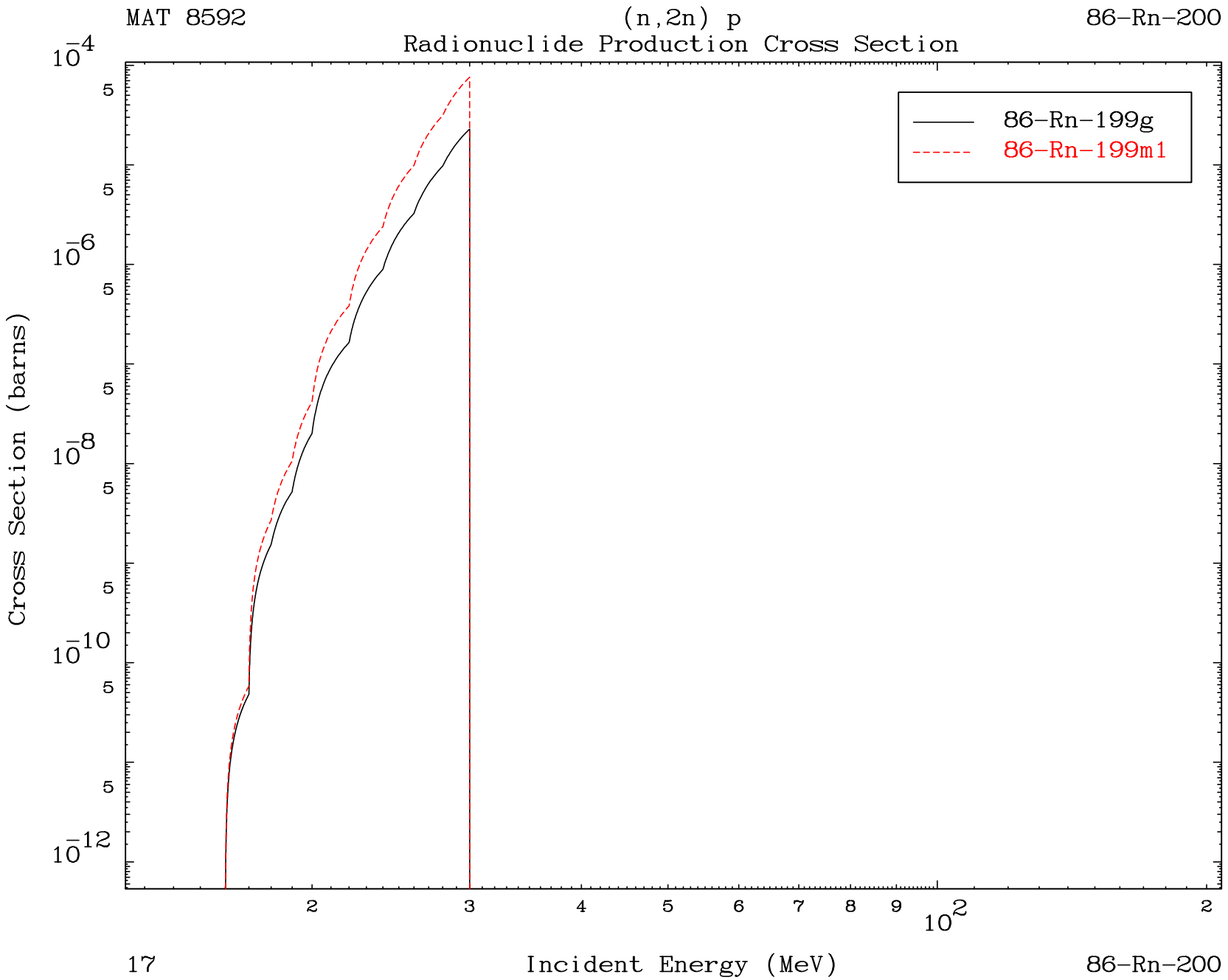

MAT 8592
Fission
86-Rn-200
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
86-Rn-200

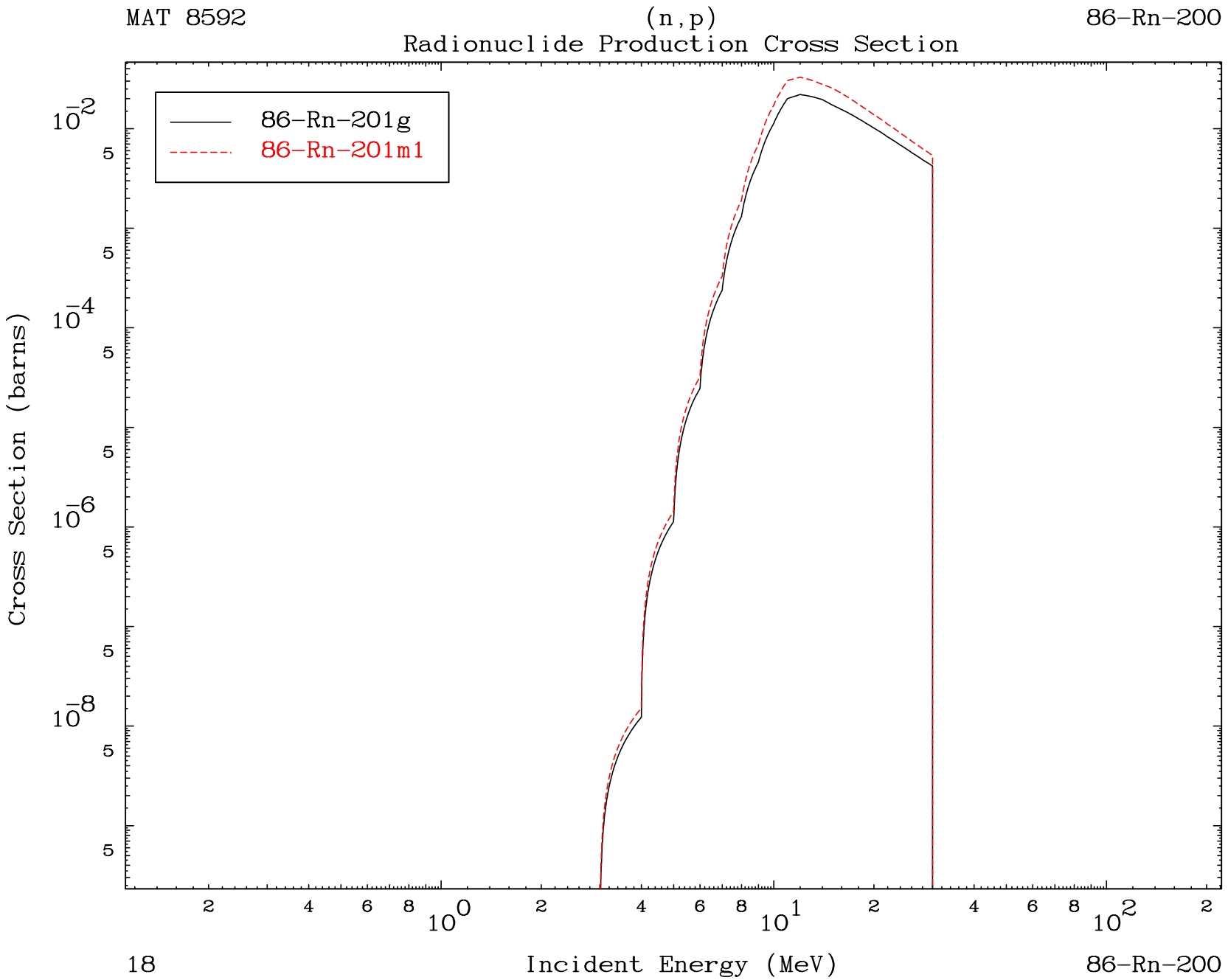

MAT 8592
(n,n') α
86-Rn-200
Radionuclide Production Cross Section
85-At-197g
85-At-197m1
Cross Section (barns)
Incident Energy (MeV)
13
86-Rn-200

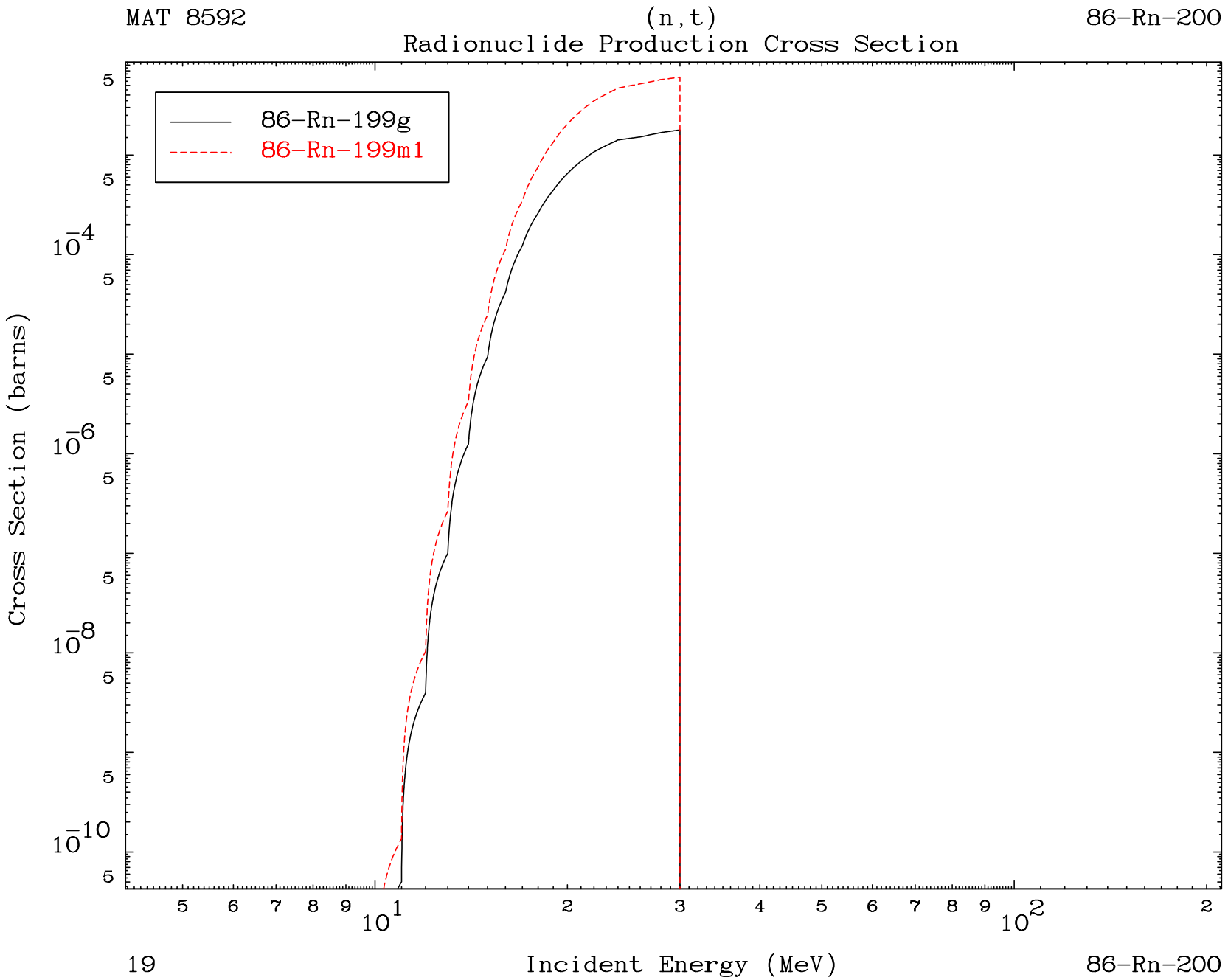

MAT 8592
(n,n') 2α
86-Rn-200
Radionuclide Production Cross Section
83-Bi-193g
83-Bi-193m2
Cross Section (barns)
Incident Energy (MeV)
14
86-Rn-200

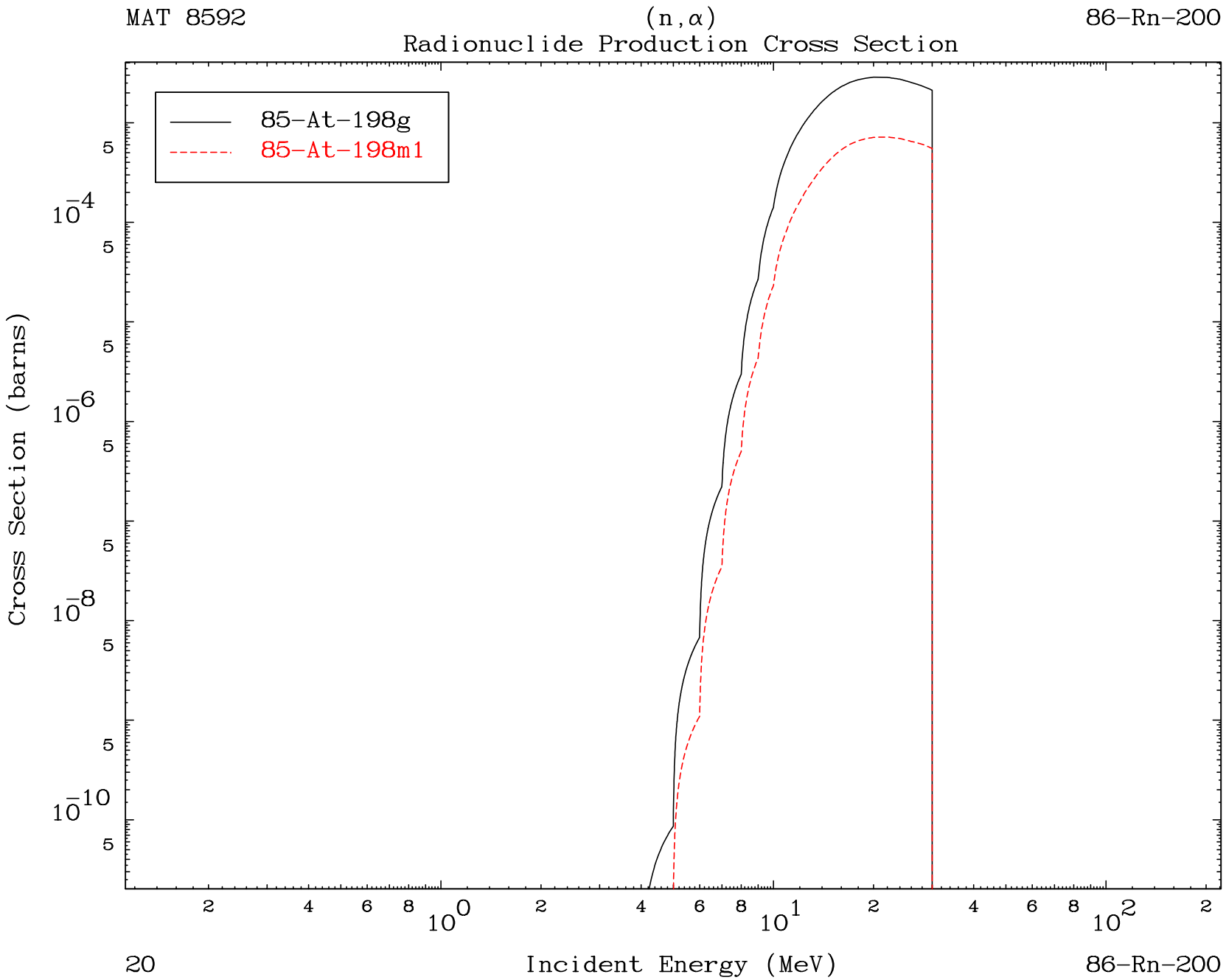

MAT 8592
(n,n') d
86-Rn-200
Radionuclide Production Cross Section
86-Rn-199g
86-Rn-199m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
15
86-Rn-200

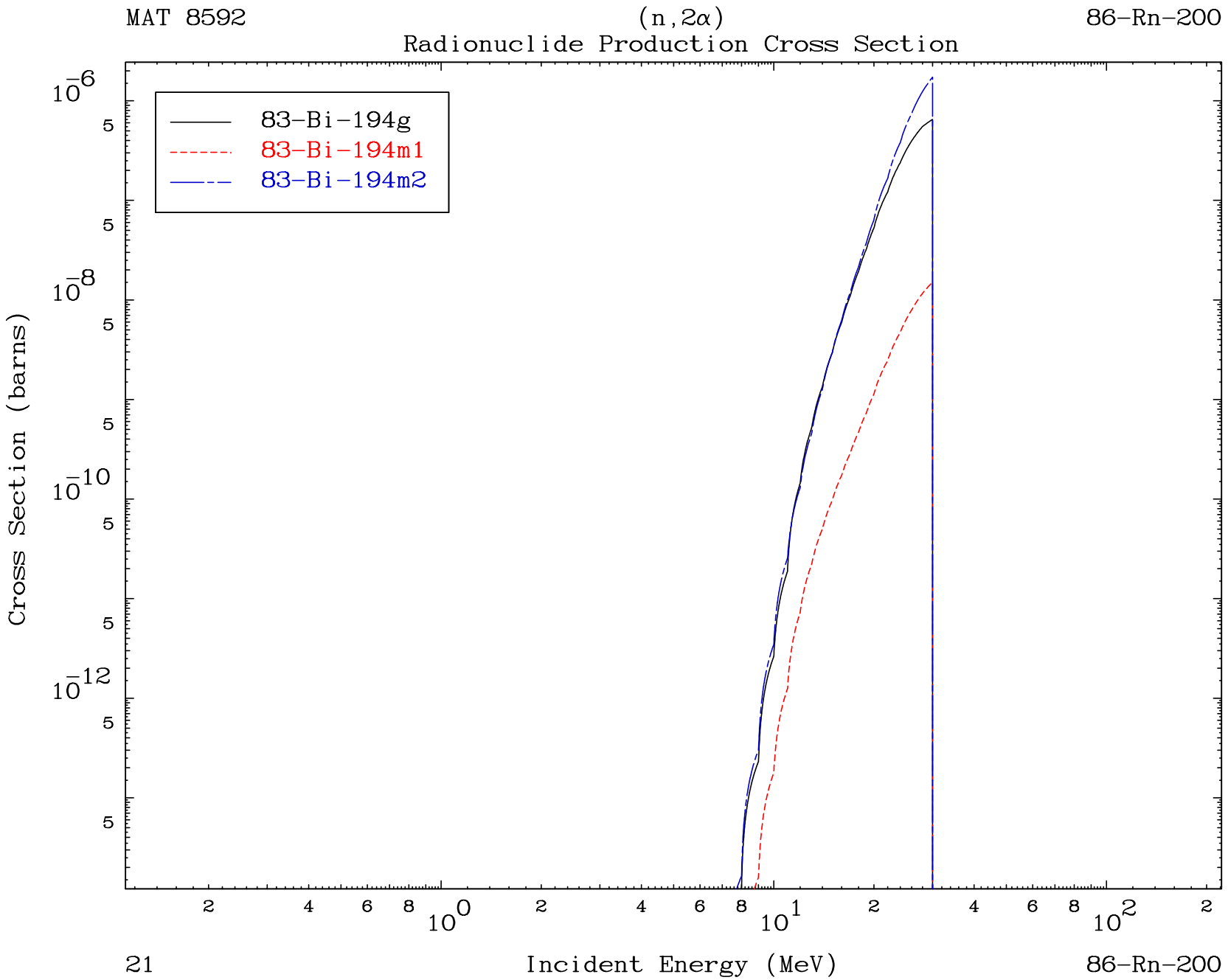

MAT 8592
(n,n') He-3
86-Rn-200
Radionuclide Production Cross Section
85-At-198g
85-At-198m1
Cross Section (barns)
Incident Energy (MeV)
16
86-Rn-200

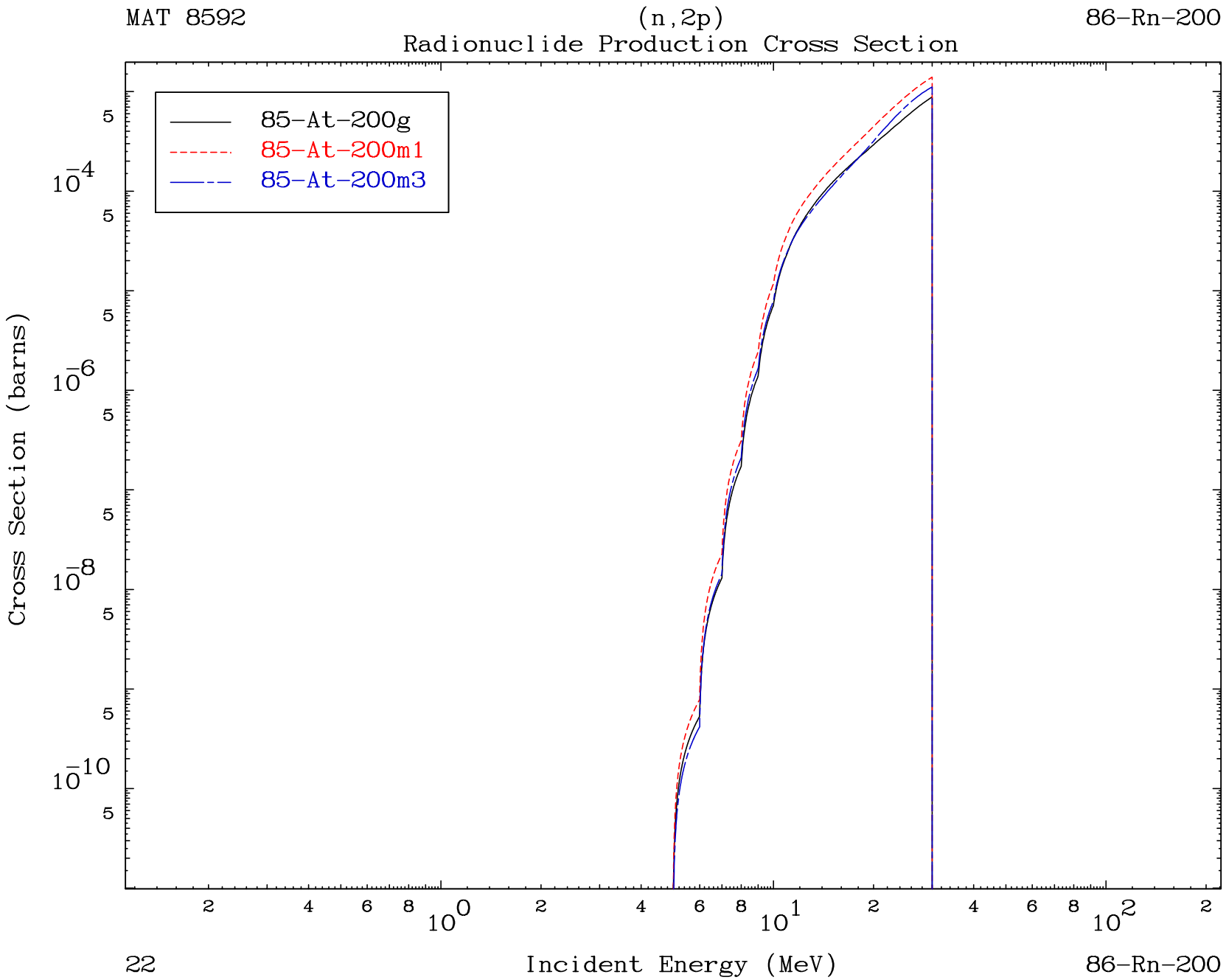

MAT 8592
(n,2n) p
86-Rn-200
Radionuclide Production Cross Section
86-Rn-199g
86-Rn-199m1
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
17
86-Rn-200

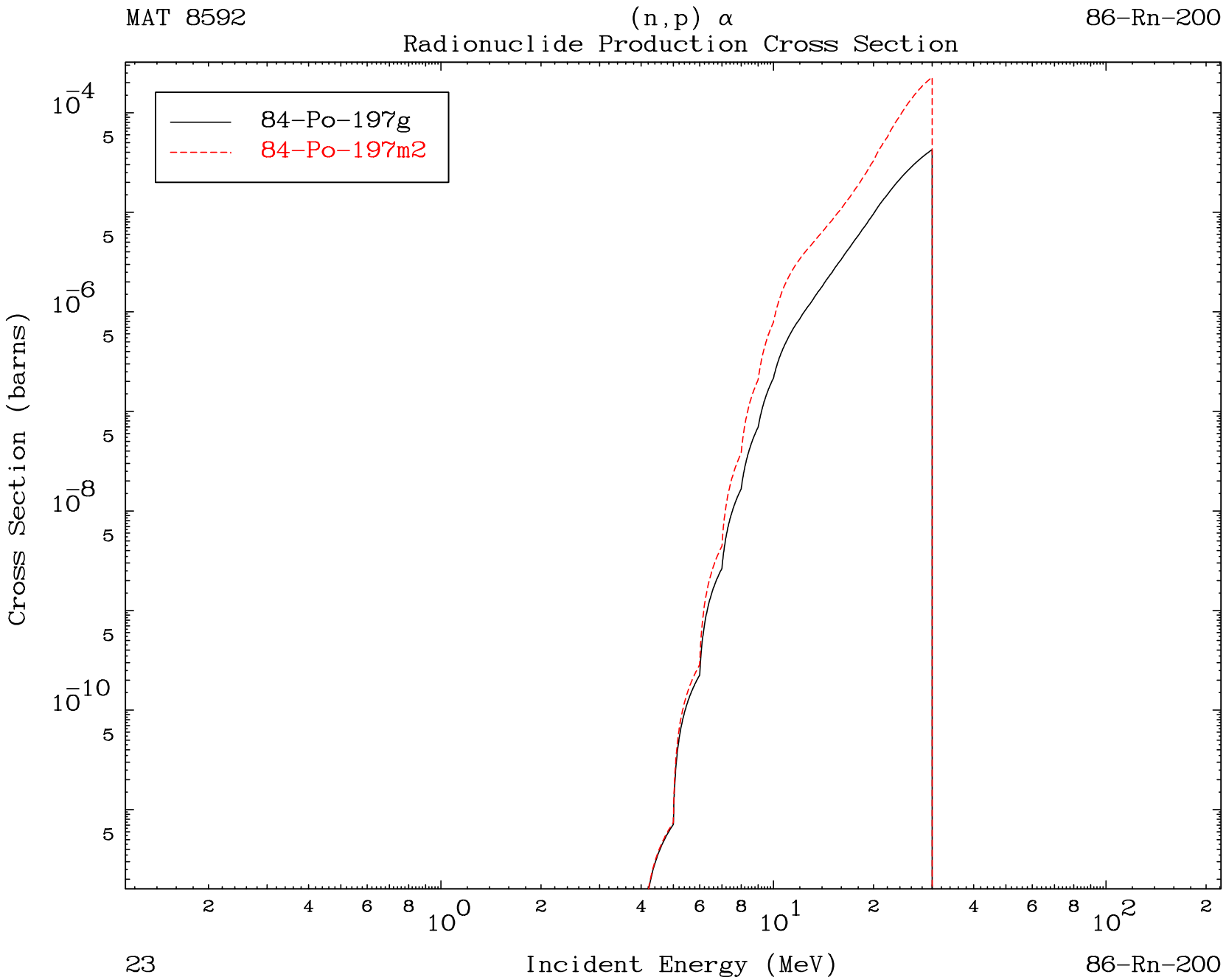

MAT 8592
(n,p)
86-Rn-200
Radionuclide Production Cross Section
86-Rn-201g
86-Rn-201m1
Cross Section (barns)
Incident Energy (MeV)
18
86-Rn-200

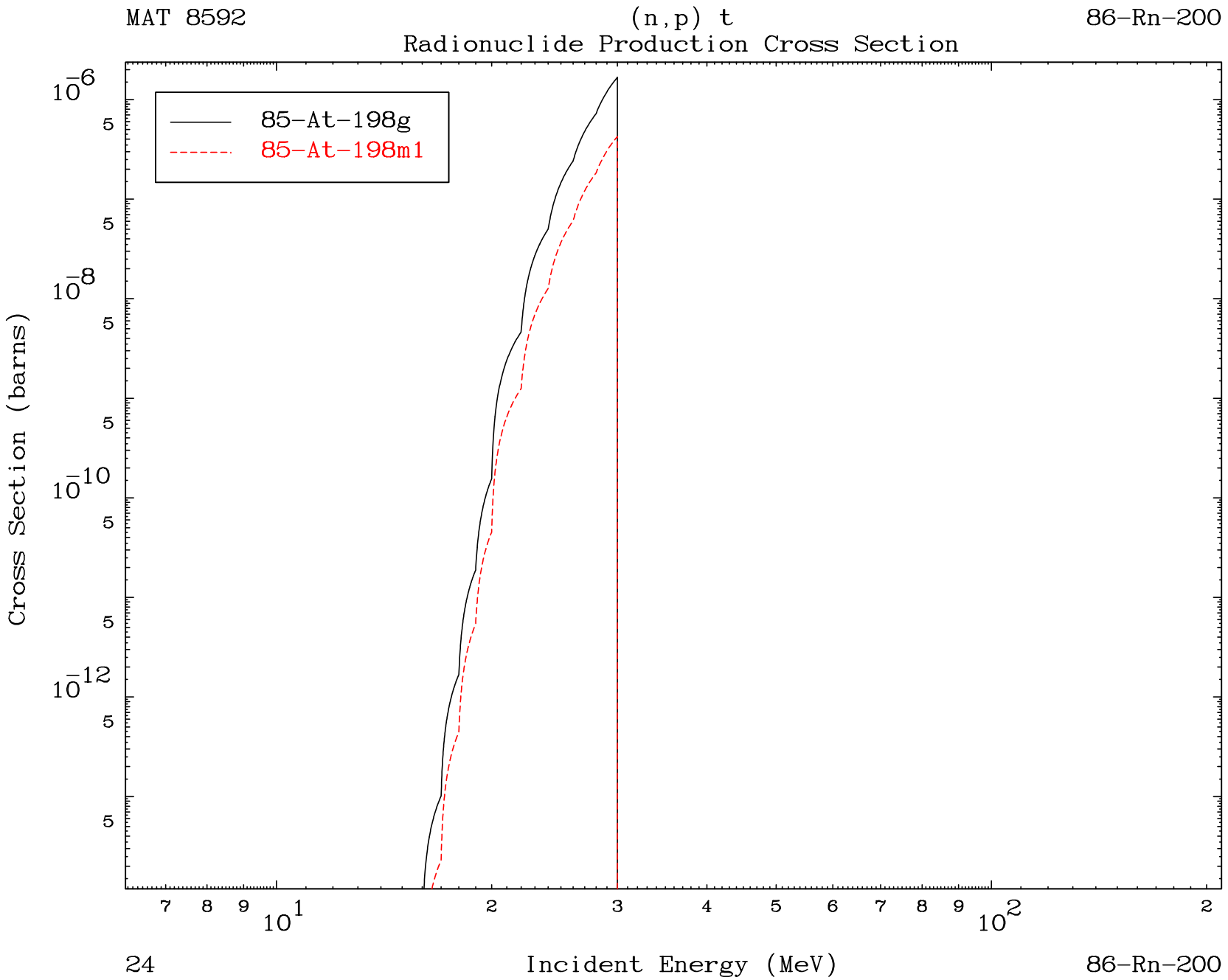

MAT 8592
(n,t)
86-Rn-200
Radionuclide Production Cross Section
86-Rn-199g
86-Rn-199m1
Cross Section (barns)
Incident Energy (MeV)
19
86-Rn-200


MAT 8592
(n,α)
86-Rn-200
Radionuclide Production Cross Section
85-At-198g
85-At-198m1
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
20
86-Rn-200


MAT 8592
(n,2α)
86-Rn-200
Radionuclide Production Cross Section
83-Bi-194g
83-Bi-194m1
83-Bi-194m2
Cross Section (barns)
Incident Energy (MeV)
21
86-Rn-200


MAT 8592
(n,2p)
86-Rn-200
Radionuclide Production Cross Section
85-At-200g
85-At-200m1
85-At-200m3
Cross Section (barns)
Incident Energy (MeV)
22
86-Rn-200


MAT 8592
(n,p) α
86-Rn-200
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
23
86-Rn-200


MAT 8592
(n,p) t
86-Rn-200
Radionuclide Production Cross Section
85-At-198g
85-At-198m1
Cross Section (barns)
Incident Energy (MeV)
24
86-Rn-200