Program EVALPLOT
(Version 2021-1)
by
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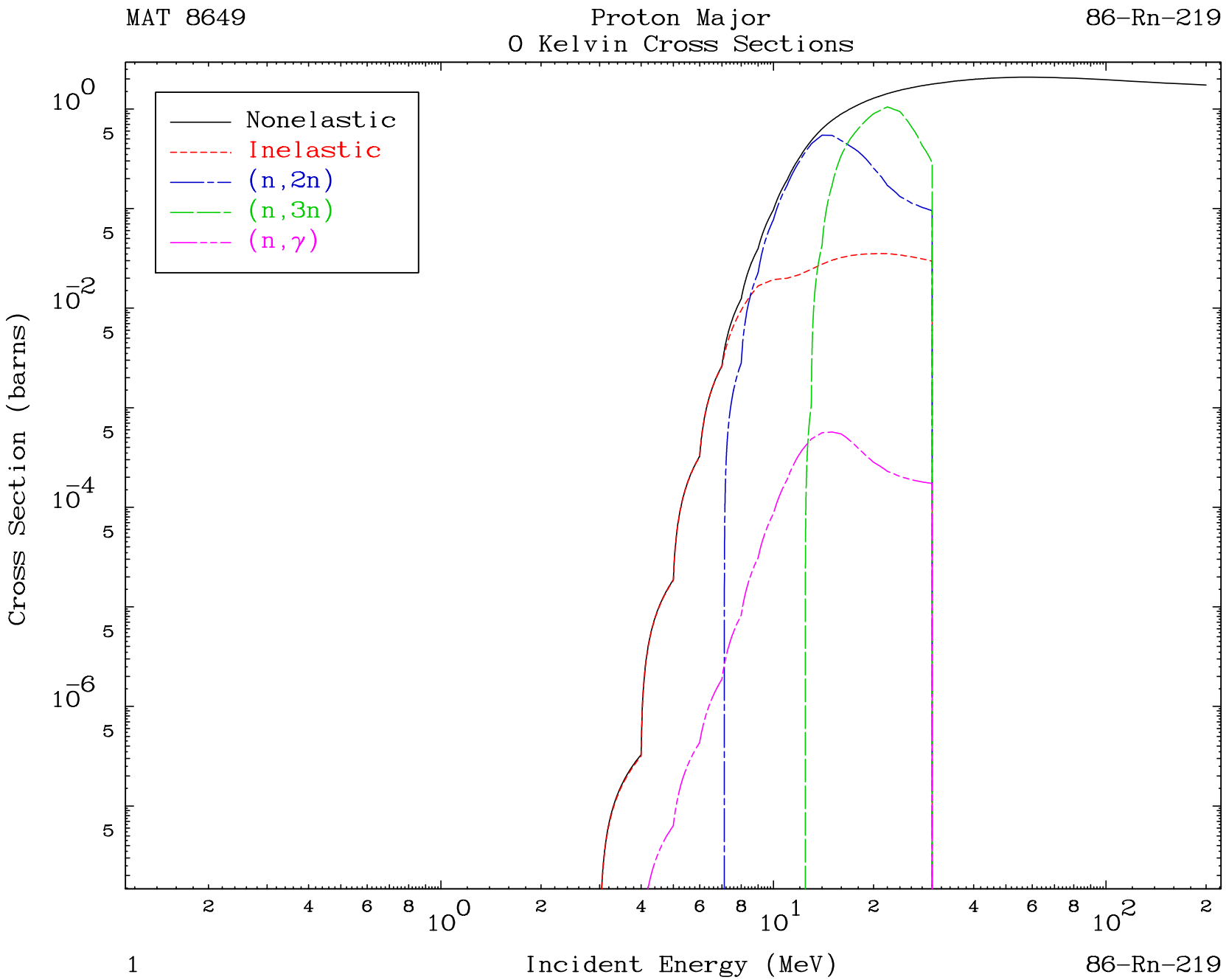
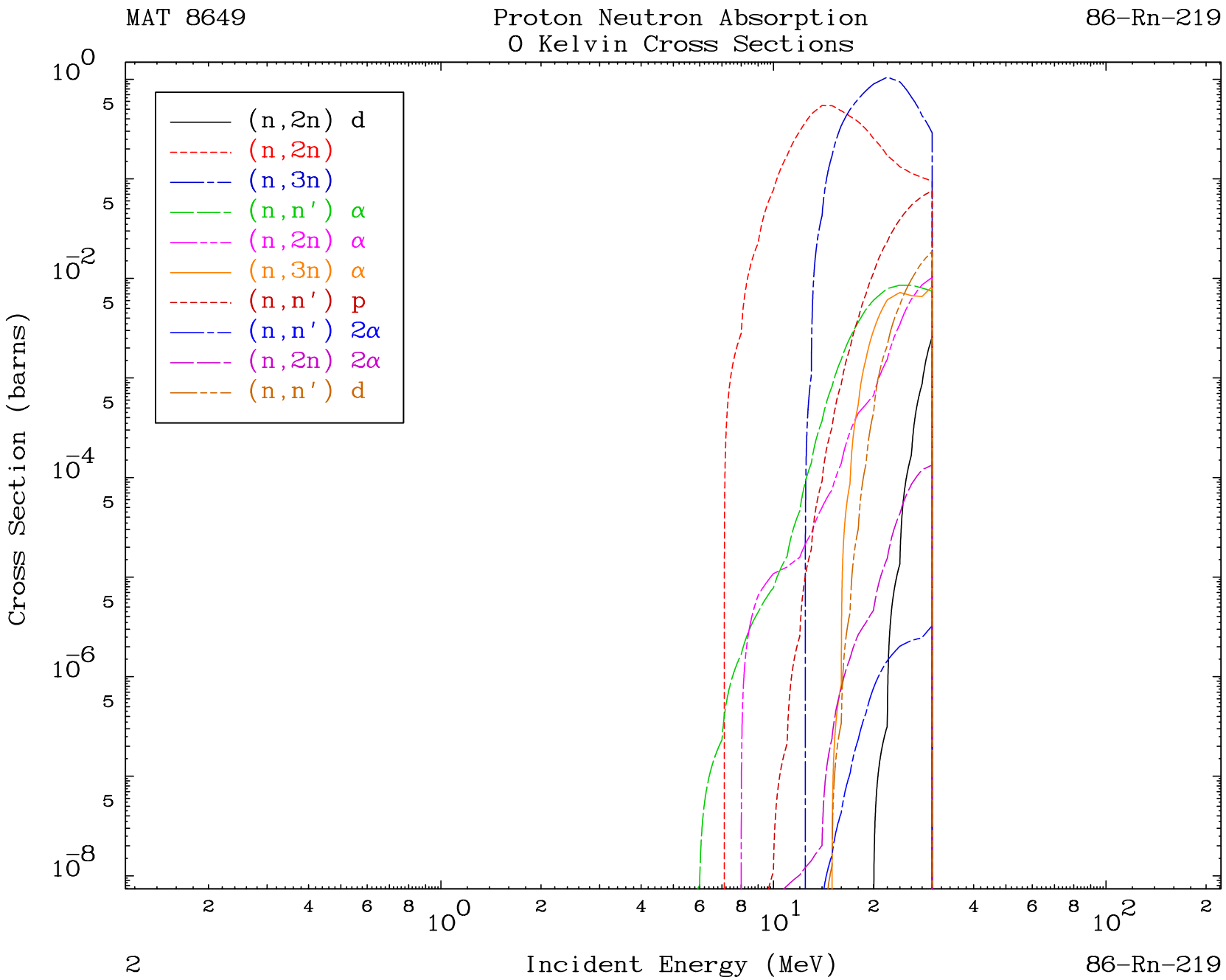
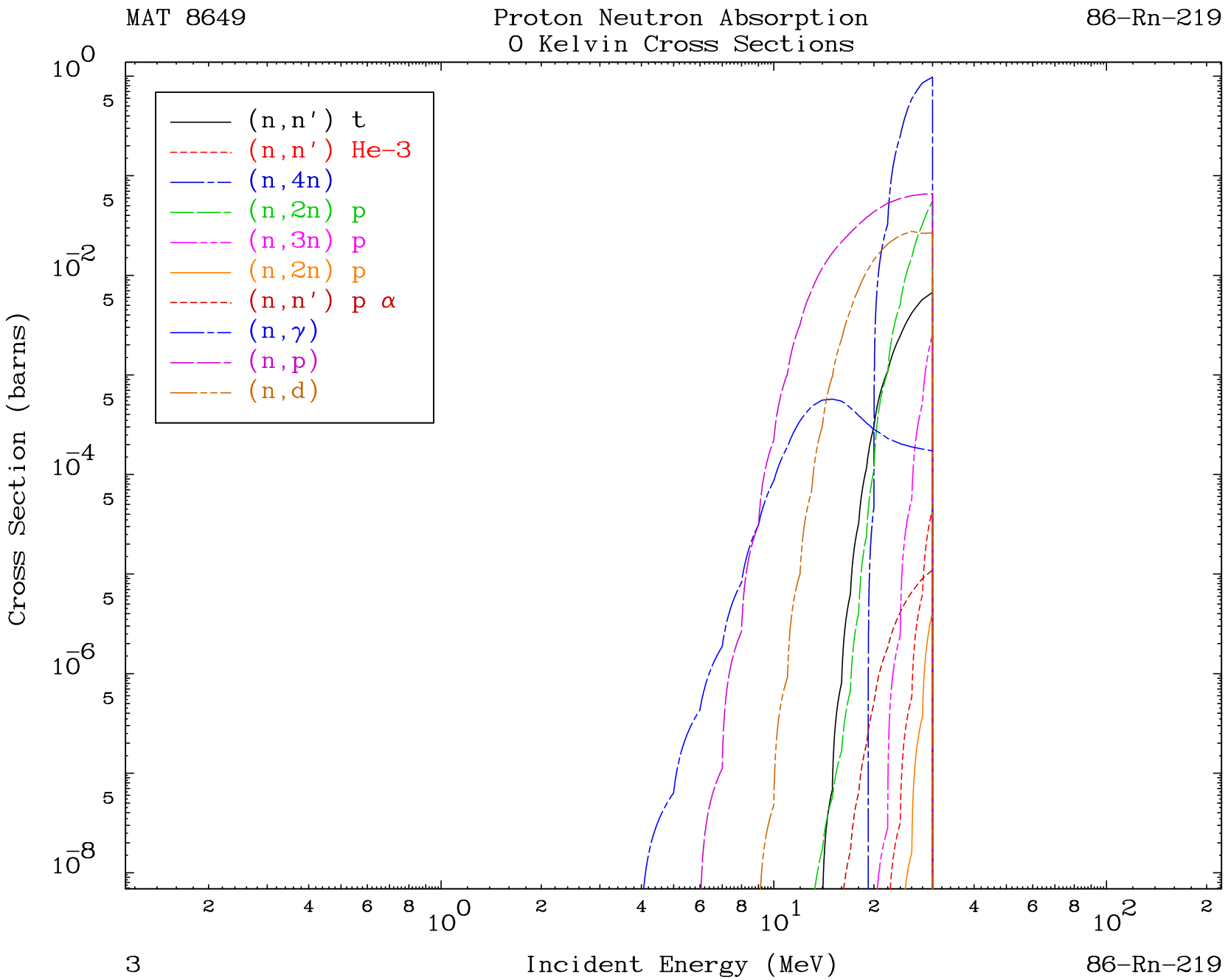
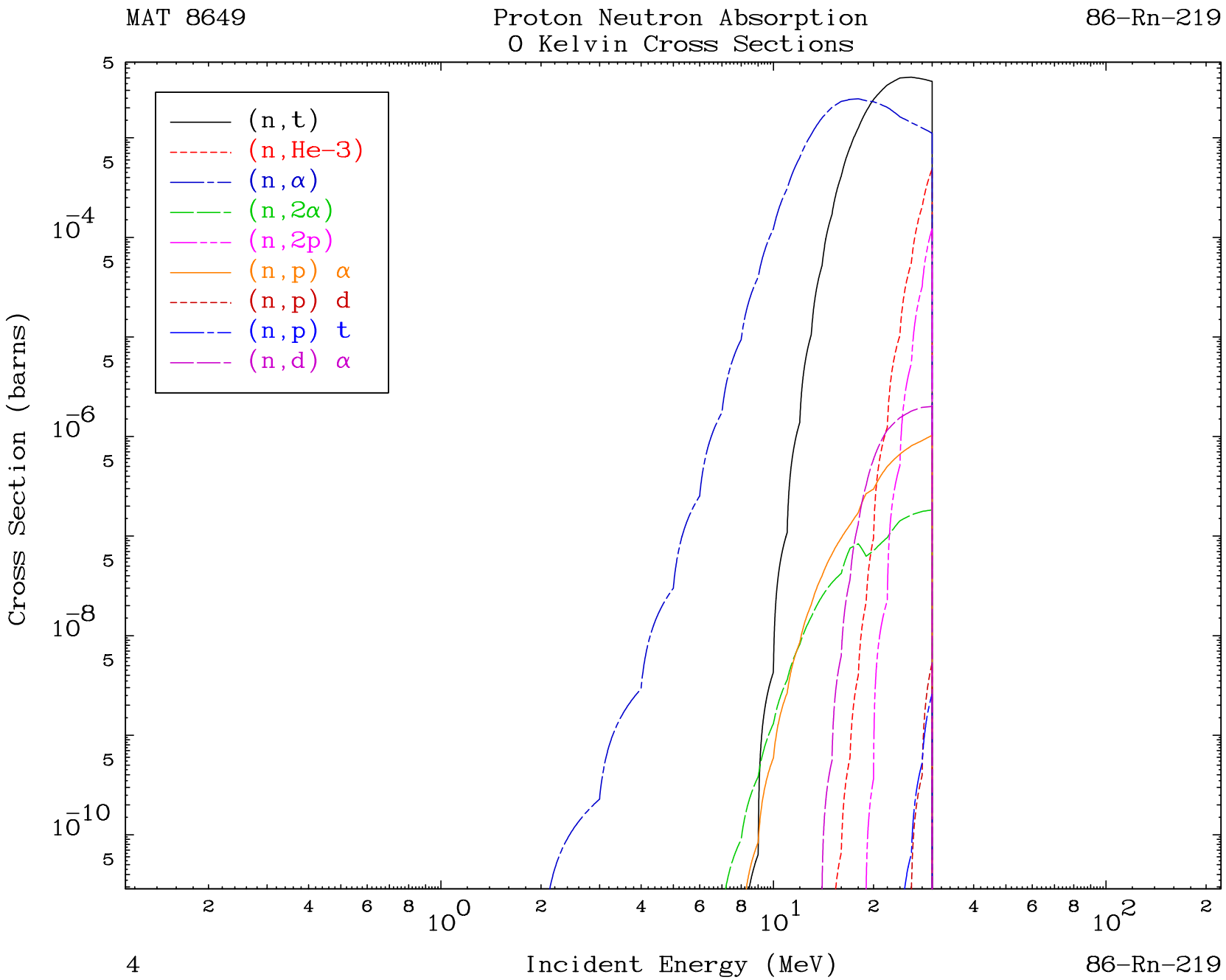
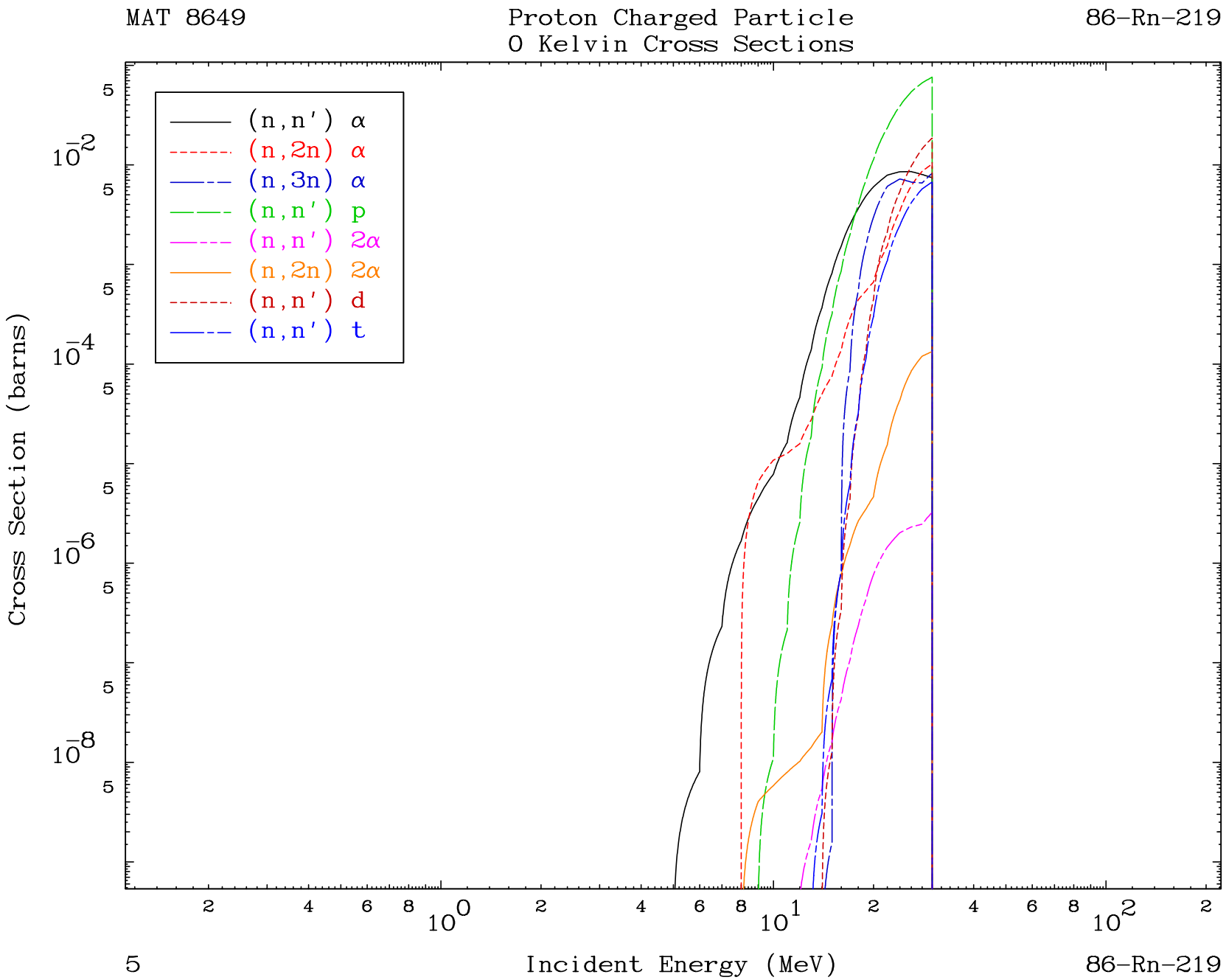
Press Mouse Button to Start

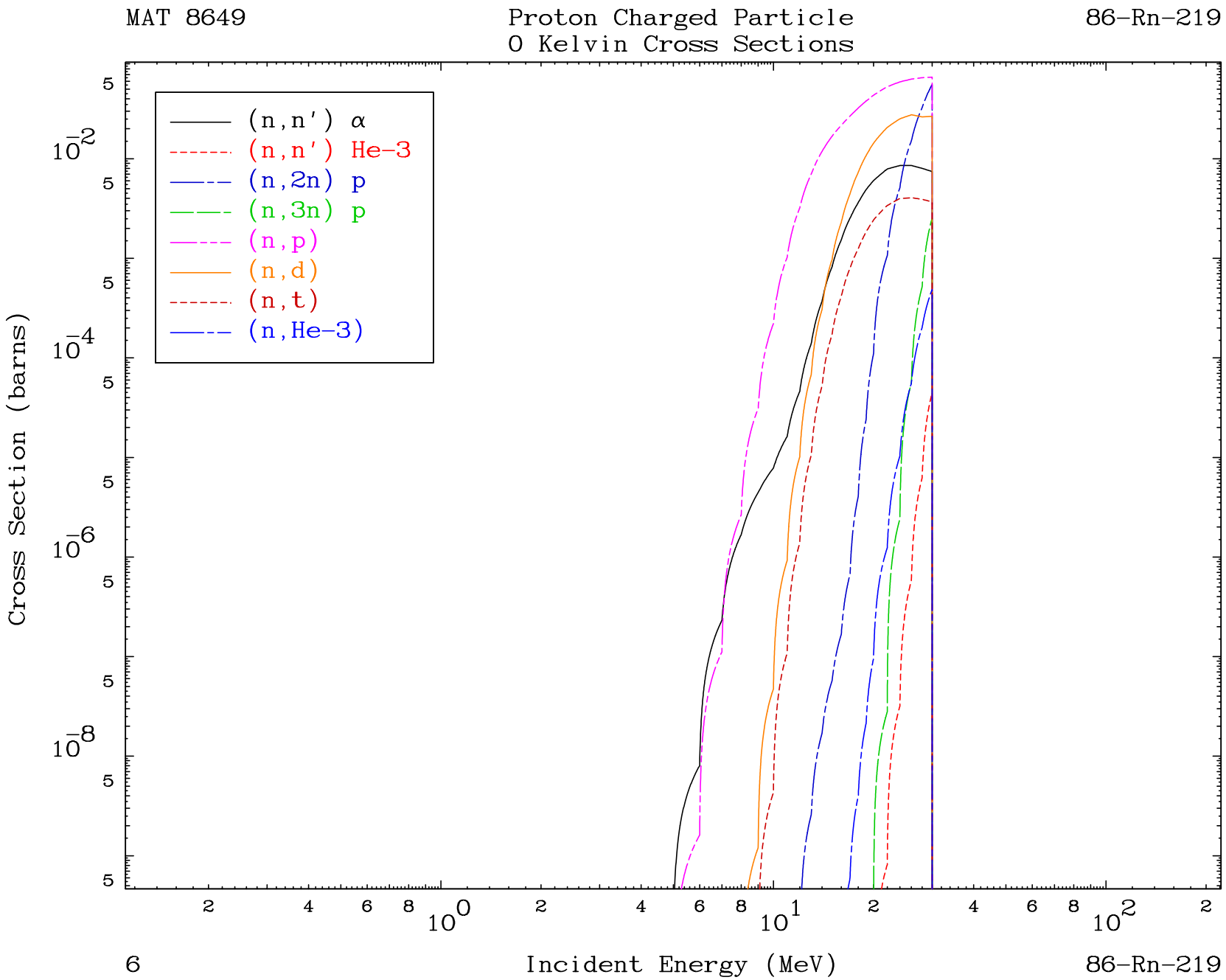

MAT 8649
Proton Major
86-Rn-219
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-219
1

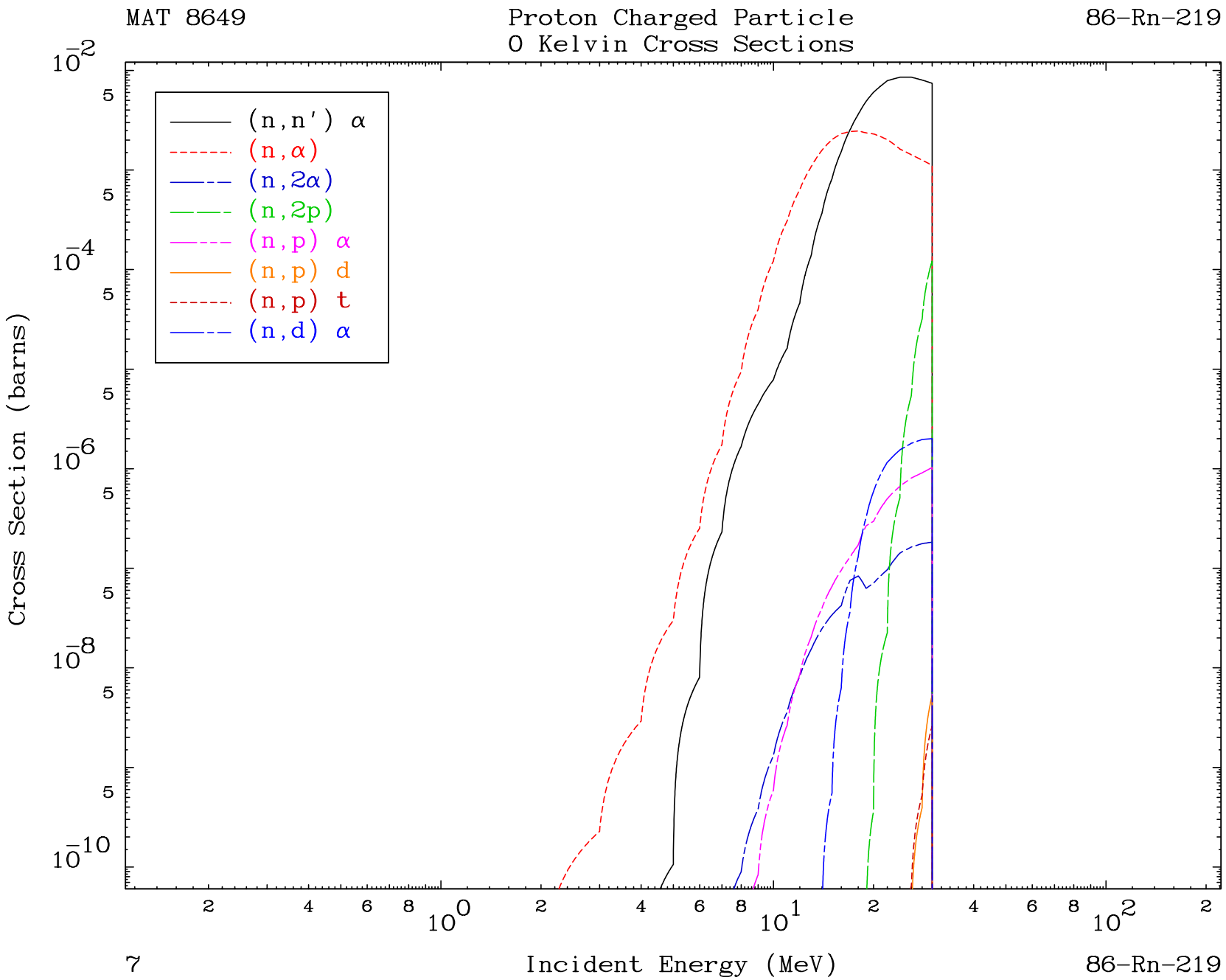

MAT 8649
Proton Neutron Absorption
0 Kelvin Cross Sections
86-Rn-219
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
86-Rn-219
2

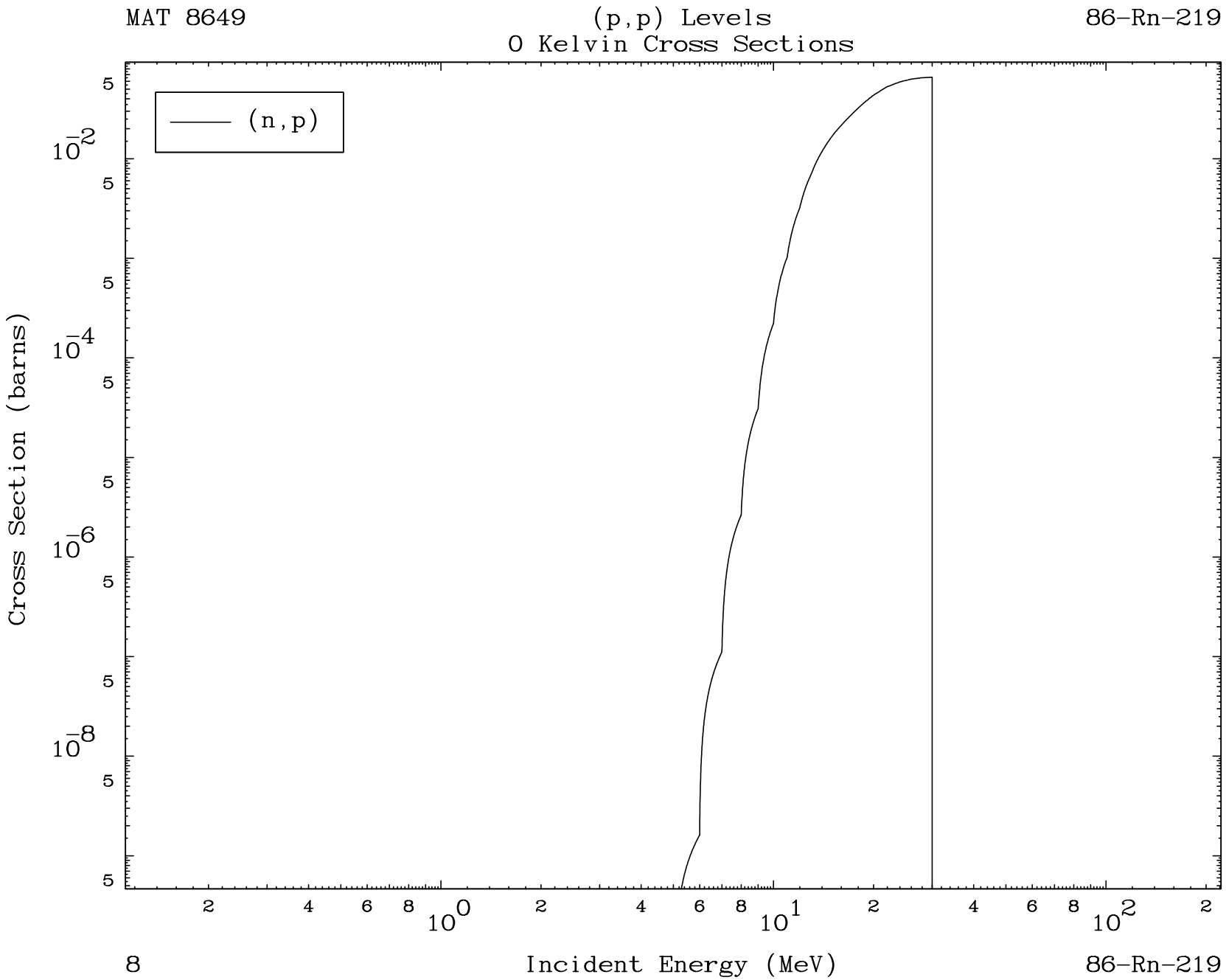

MAT 8649
Proton Neutron Absorption
0 Kelvin Cross Sections
86-Rn-219
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
86-Rn-219

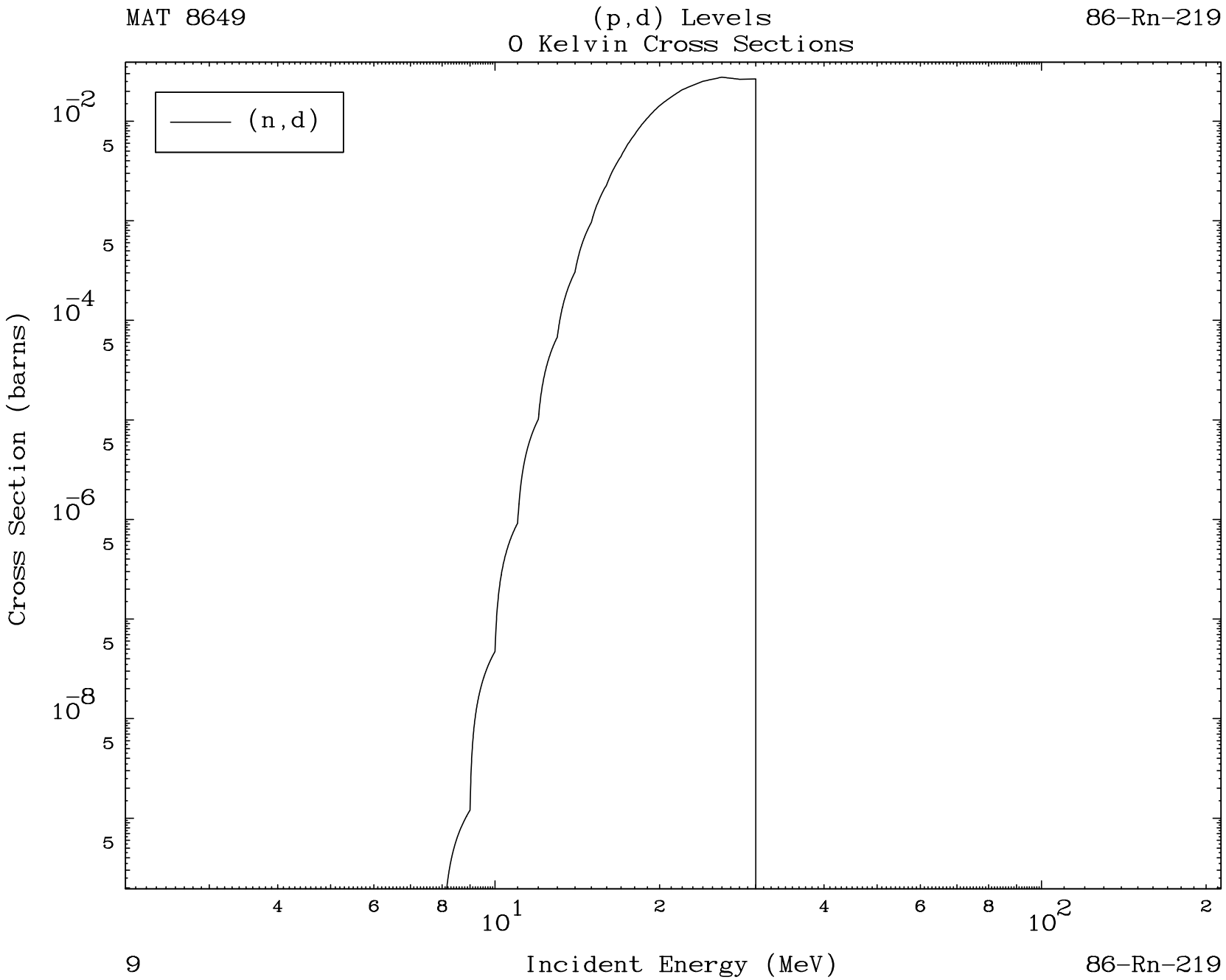

MAT 8649
Proton Neutron Absorption
0 Kelvin Cross Sections
86-Rn-219
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
86-Rn-219

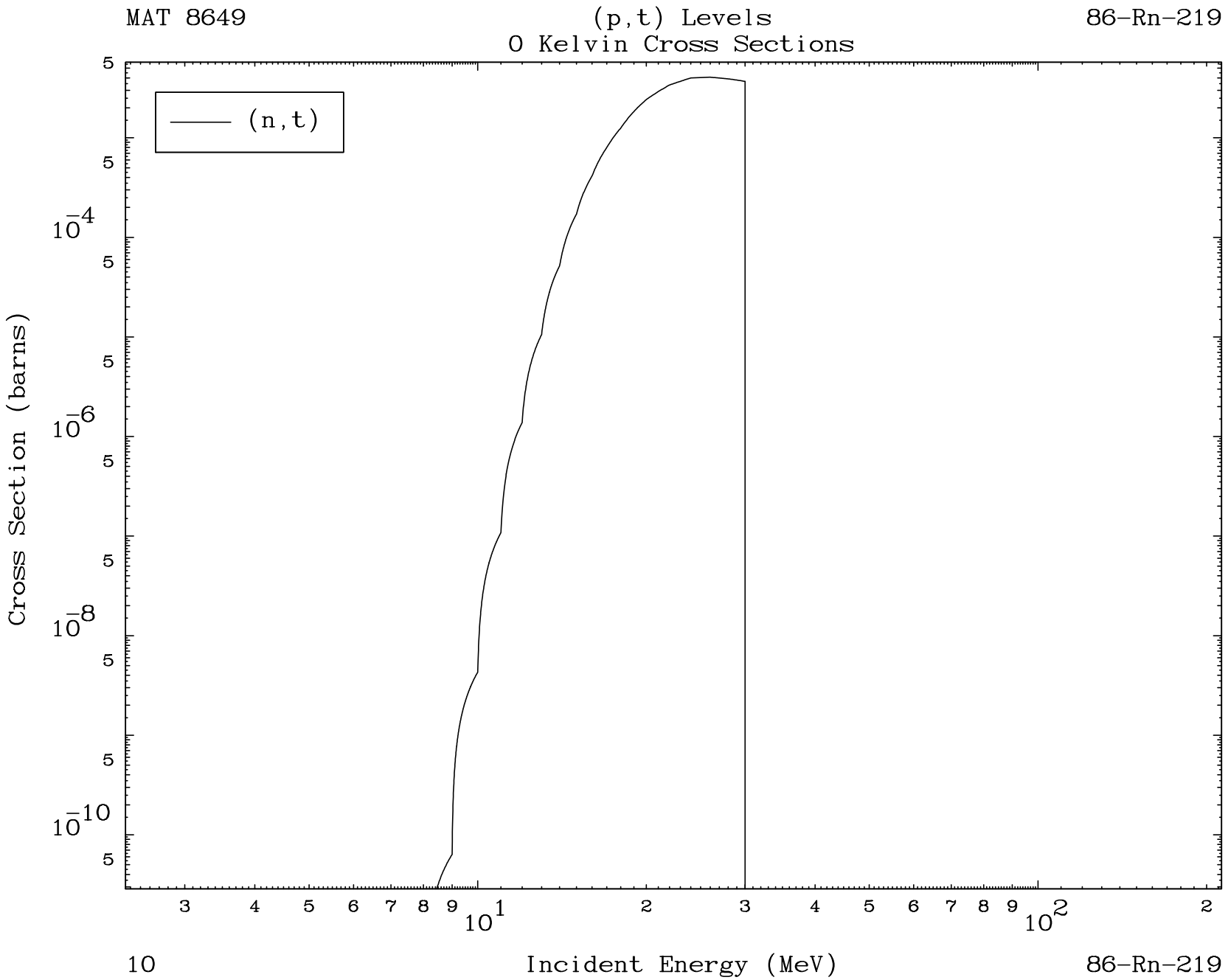

MAT 8649
Proton Charged Particle
0 Kelvin Cross Sections
86-Rn-219
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
86-Rn-219
5

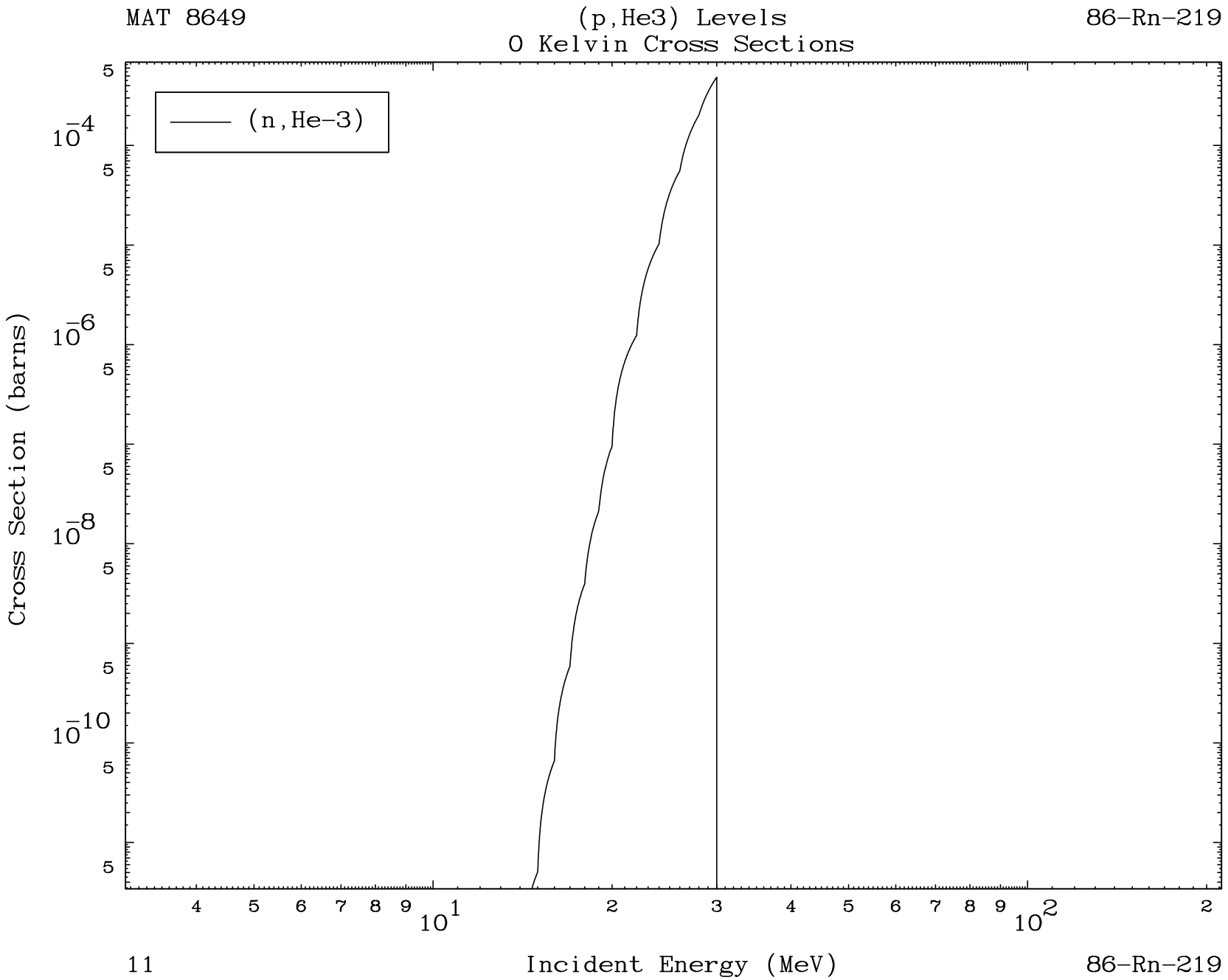

MAT 8649
Proton Charged Particle
0 Kelvin Cross Sections
86-Rn-219
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
86-Rn-219

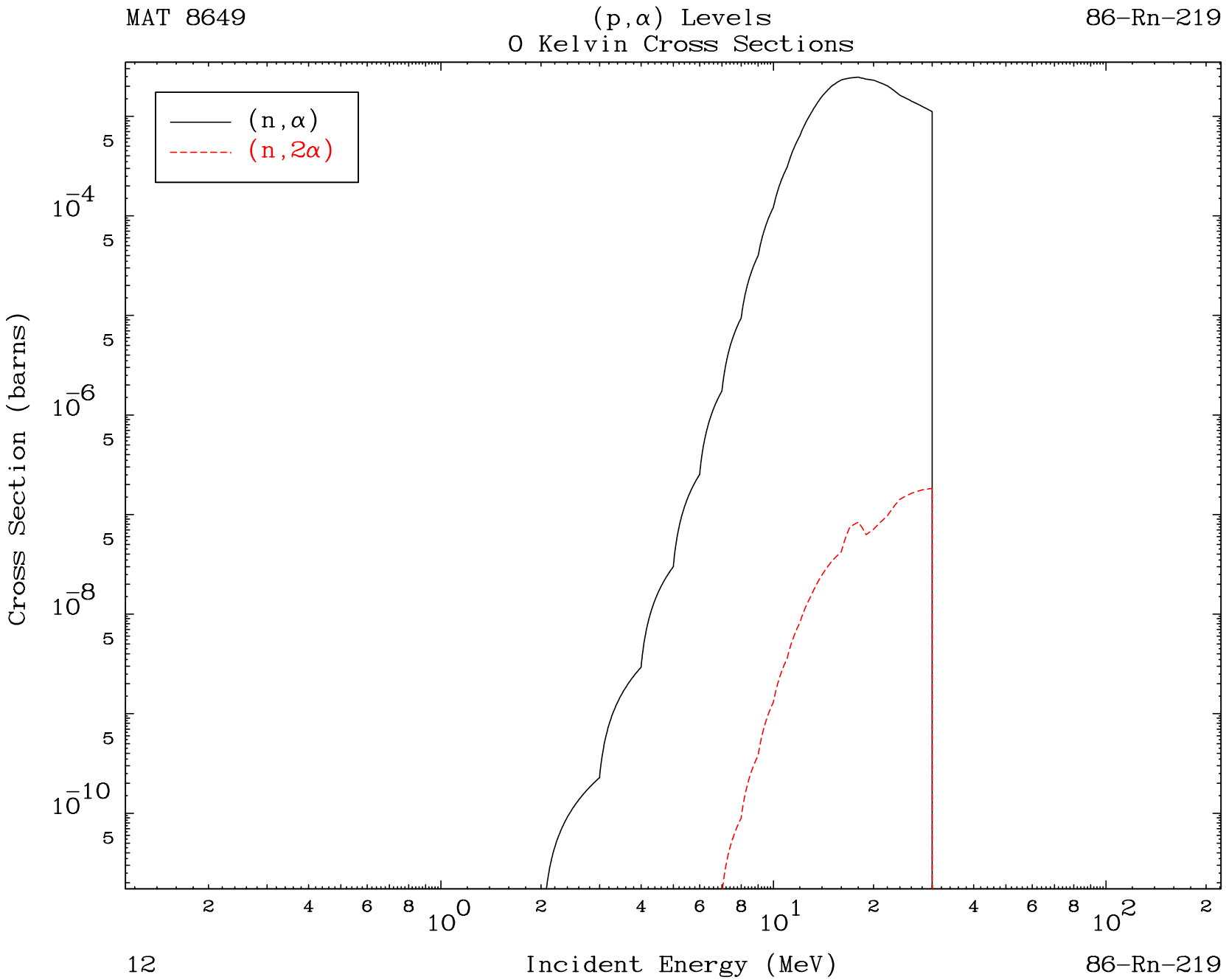

MAT 8649
Proton Charged Particle
0 Kelvin Cross Sections
86-Rn-219
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
86-Rn-219

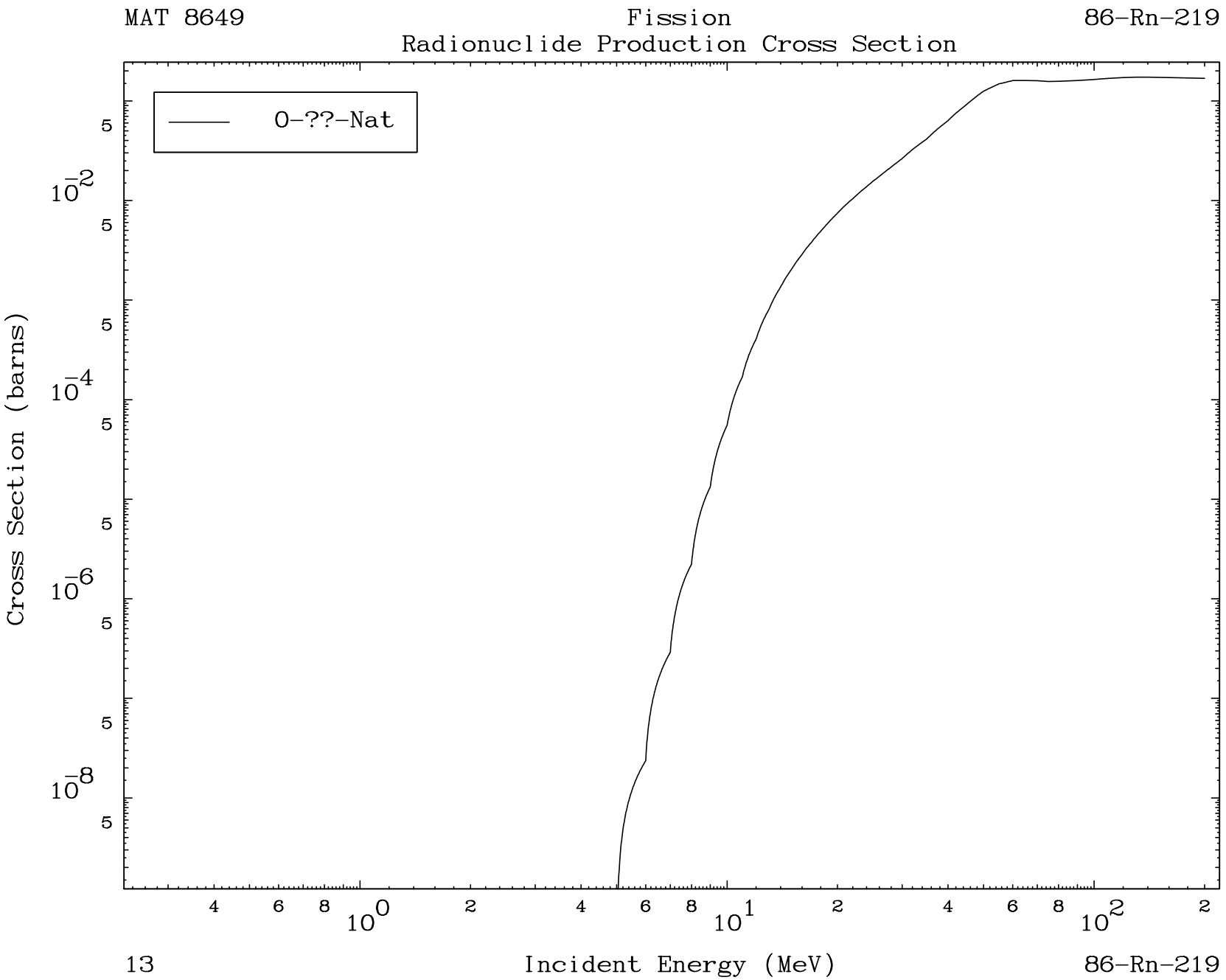

MAT 8649
(p,p) Levels
86-Rn-219
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-219
8

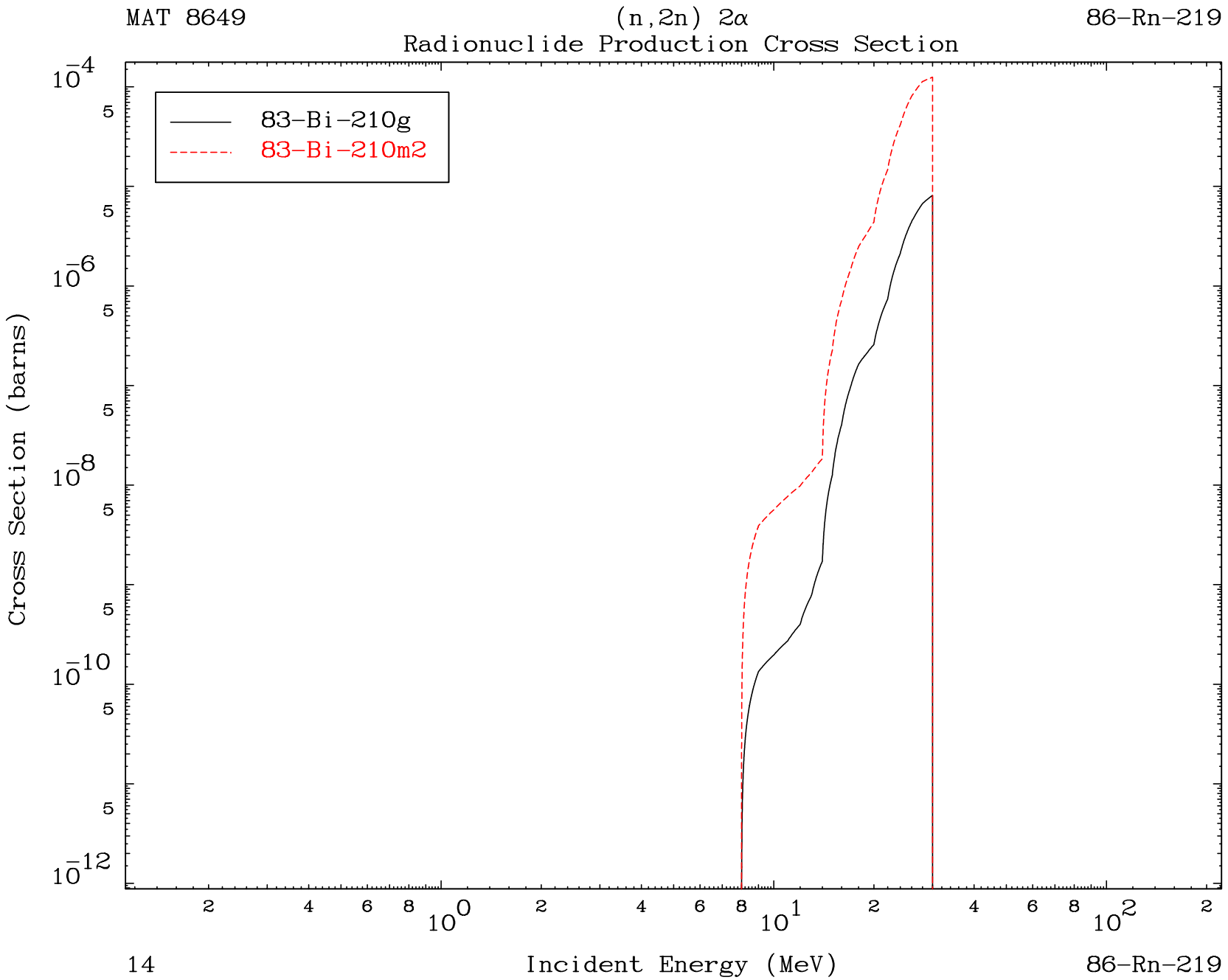

MAT 8649
(p,d) Levels
86-Rn-219
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
9
86-Rn-219

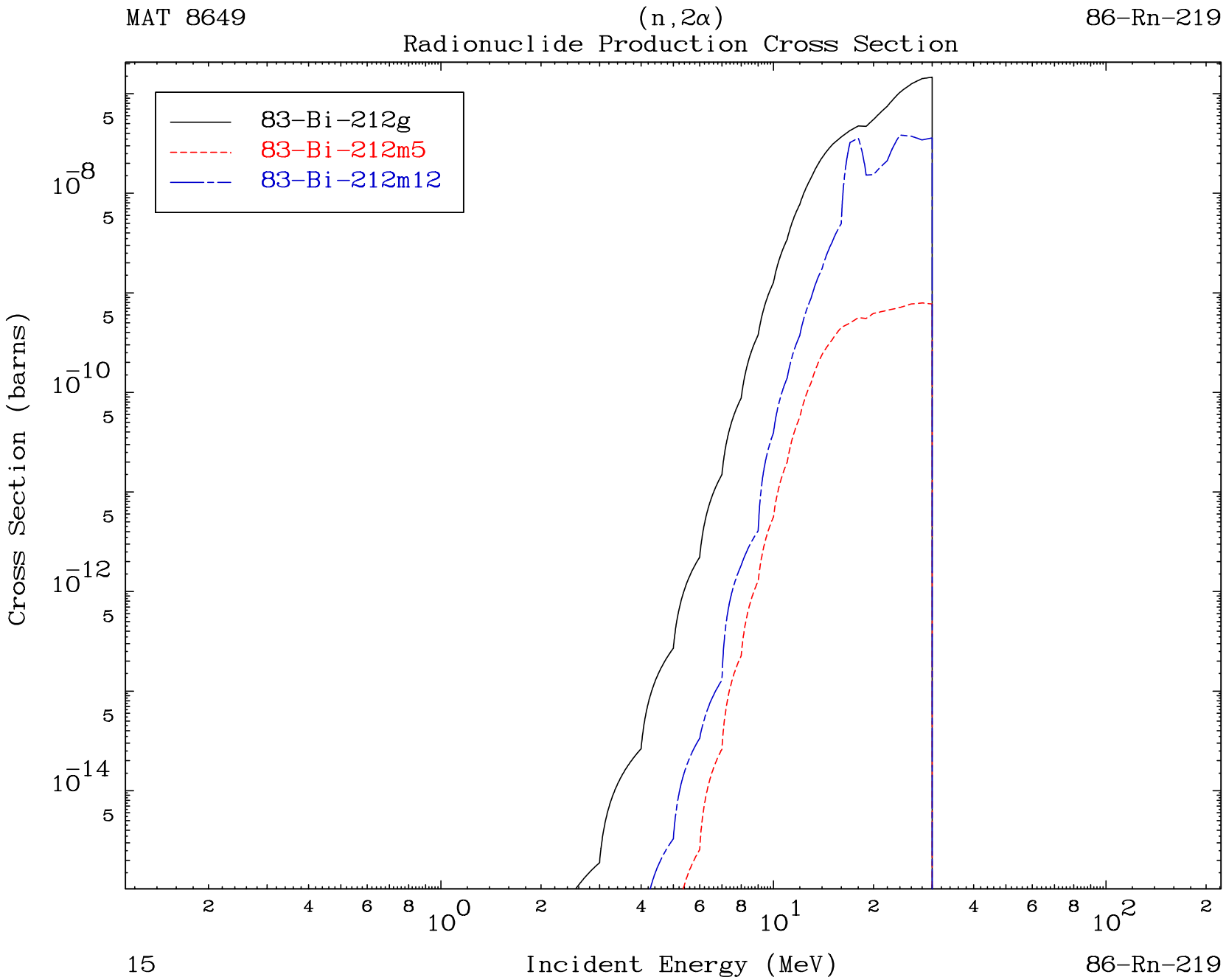

MAT 8649
(p,t) Levels
86-Rn-219
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
10
Incident Energy (MeV)
86-Rn-219


MAT 8649
(p,He3) Levels
86-Rn-219
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
86-Rn-219


MAT 8649
(p,α) Levels
86-Rn-219
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
12
Incident Energy (MeV)
86-Rn-219


MAT 8649
Fission
86-Rn-219
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
13
86-Rn-219


MAT 8649
(n,2n) 2α
86-Rn-219
Radionuclide Production Cross Section
83-Bi-210g
83-Bi-210m2
Cross Section (barns)
Incident Energy (MeV)
14
86-Rn-219


MAT 8649
(n,2α)
86-Rn-219
Radionuclide Production Cross Section
83-Bi-212g
83-Bi-212m5
83-Bi-212m12
Cross Section (barns)
Incident Energy (MeV)
15
86-Rn-219