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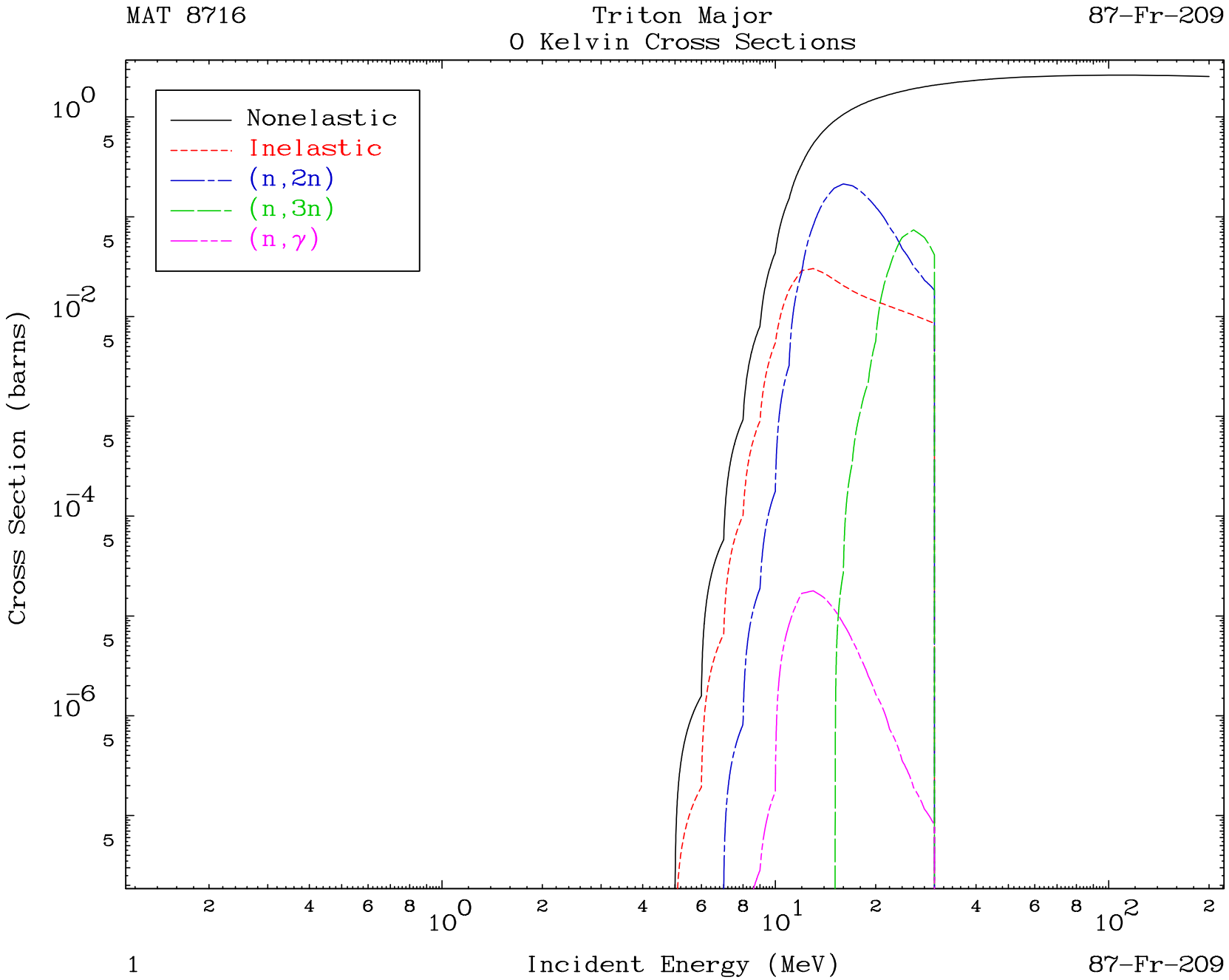
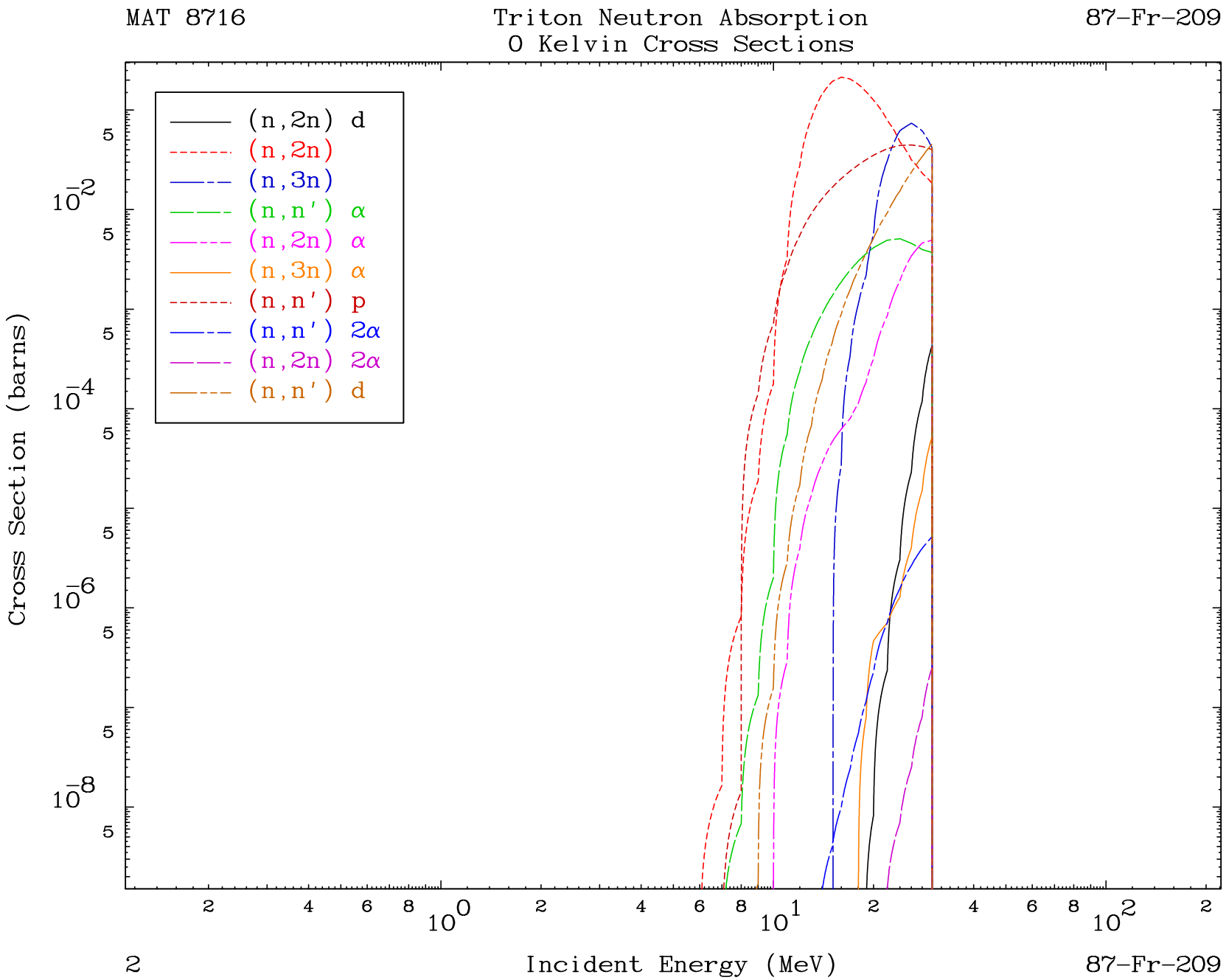
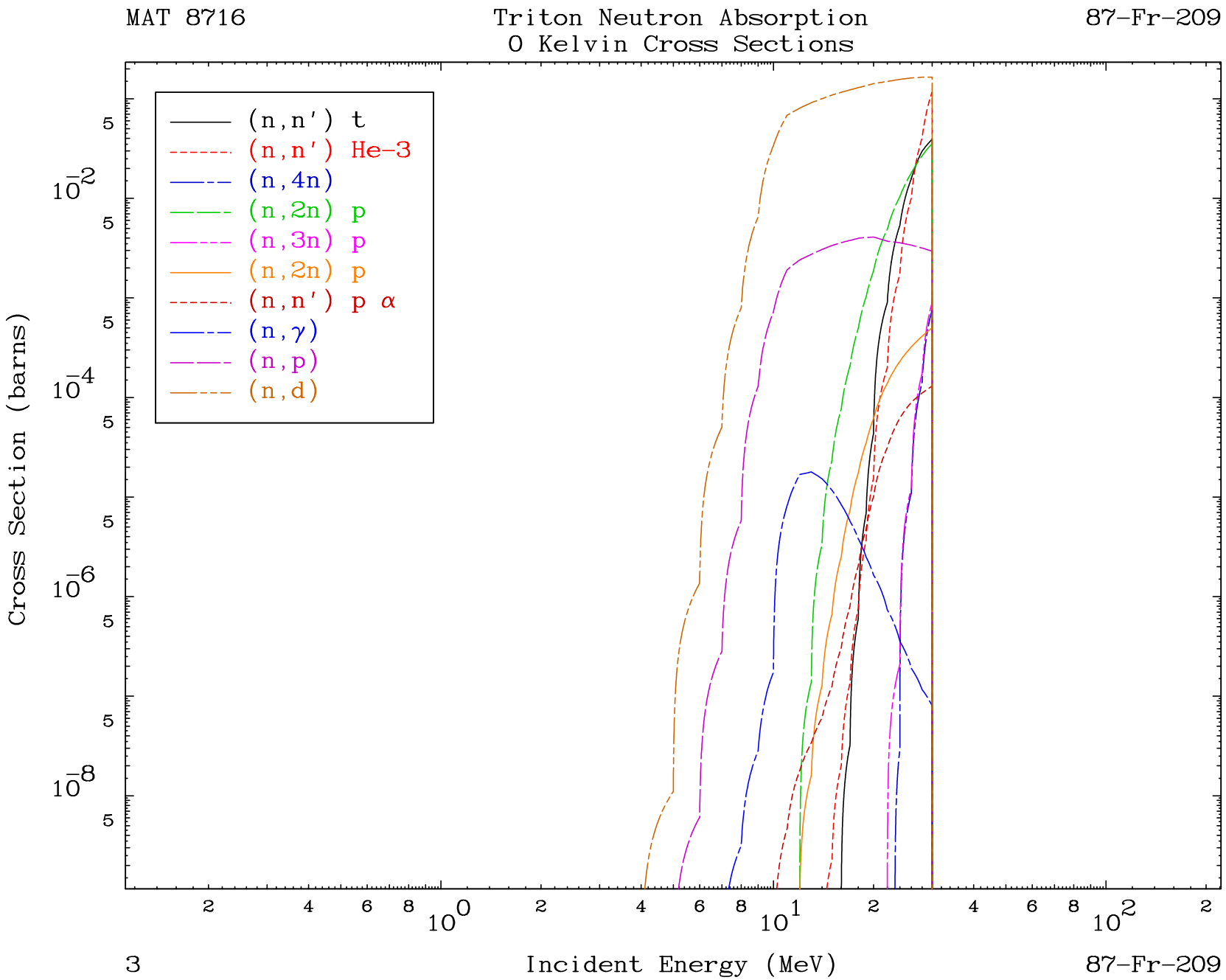
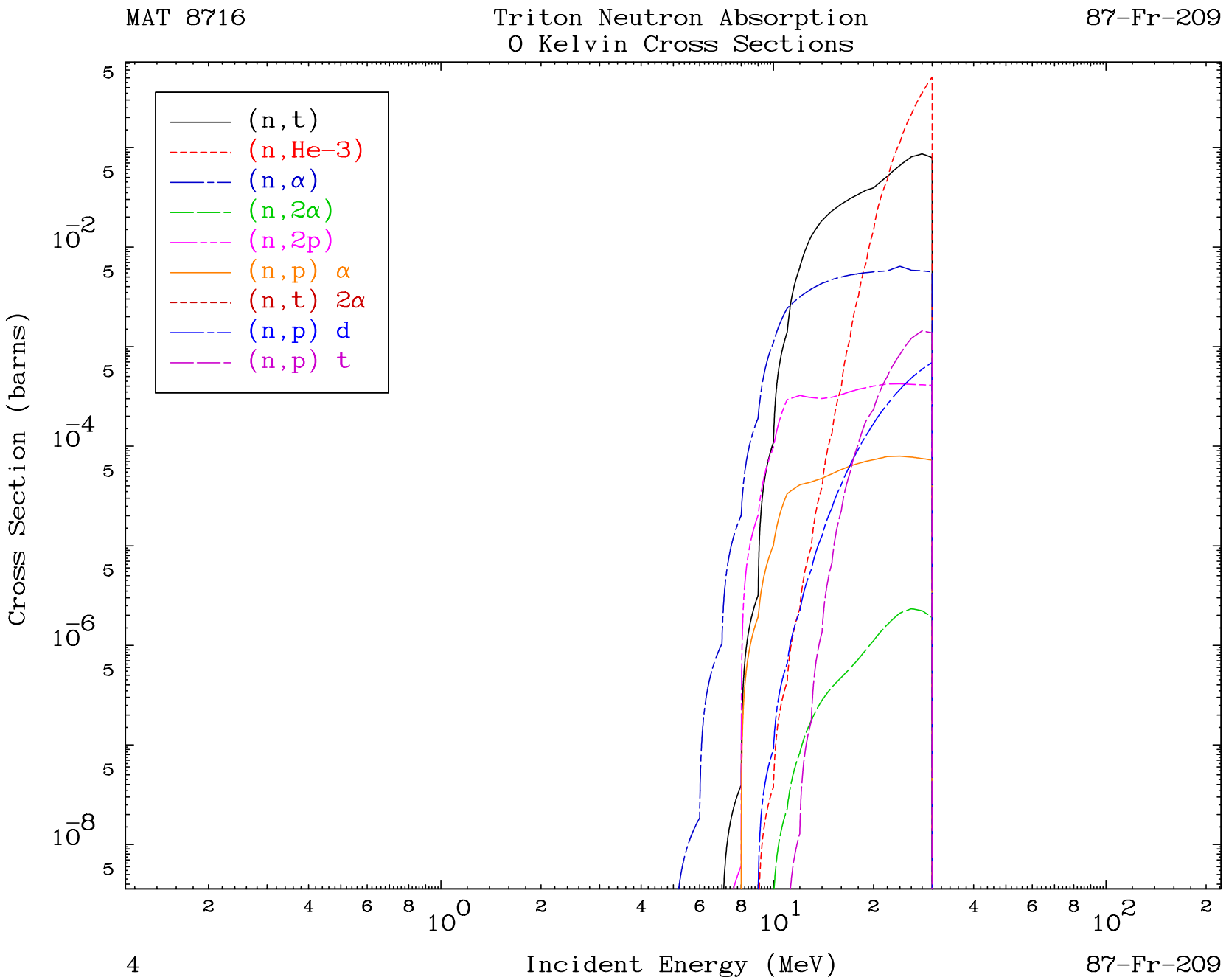
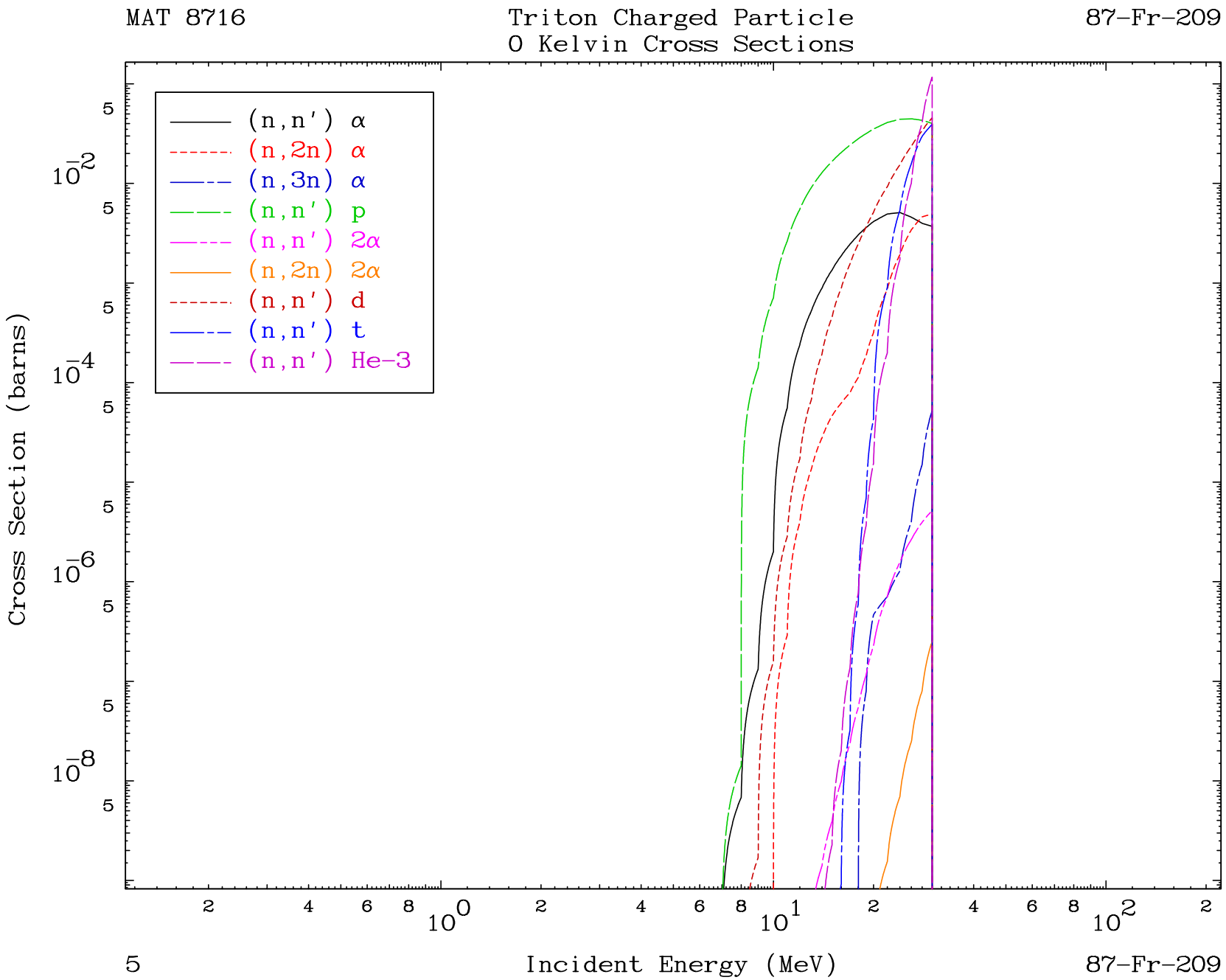
Press Mouse Button to Start

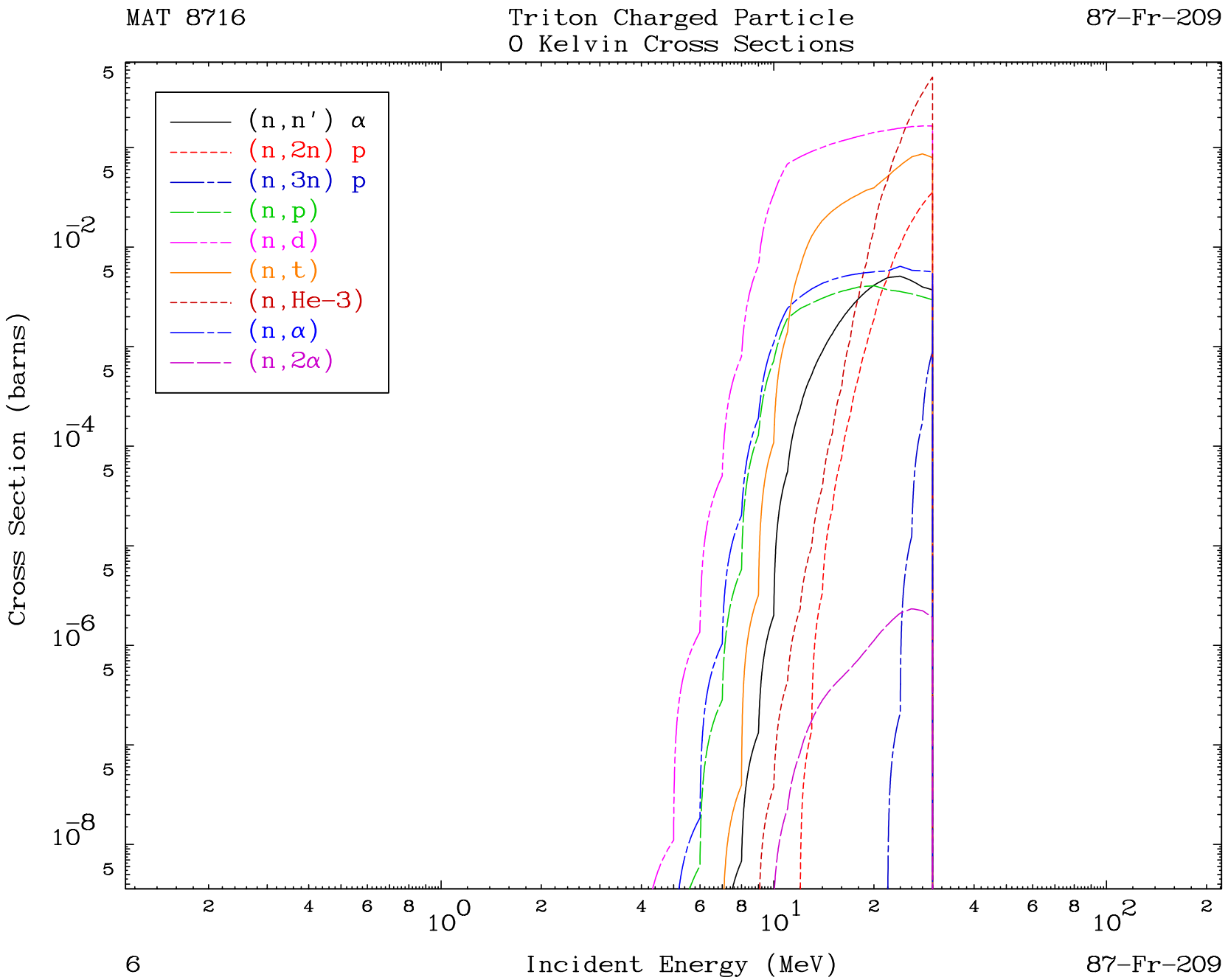

MAT 8716
Triton Major
87-Fr-209
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
87-Fr-209
1

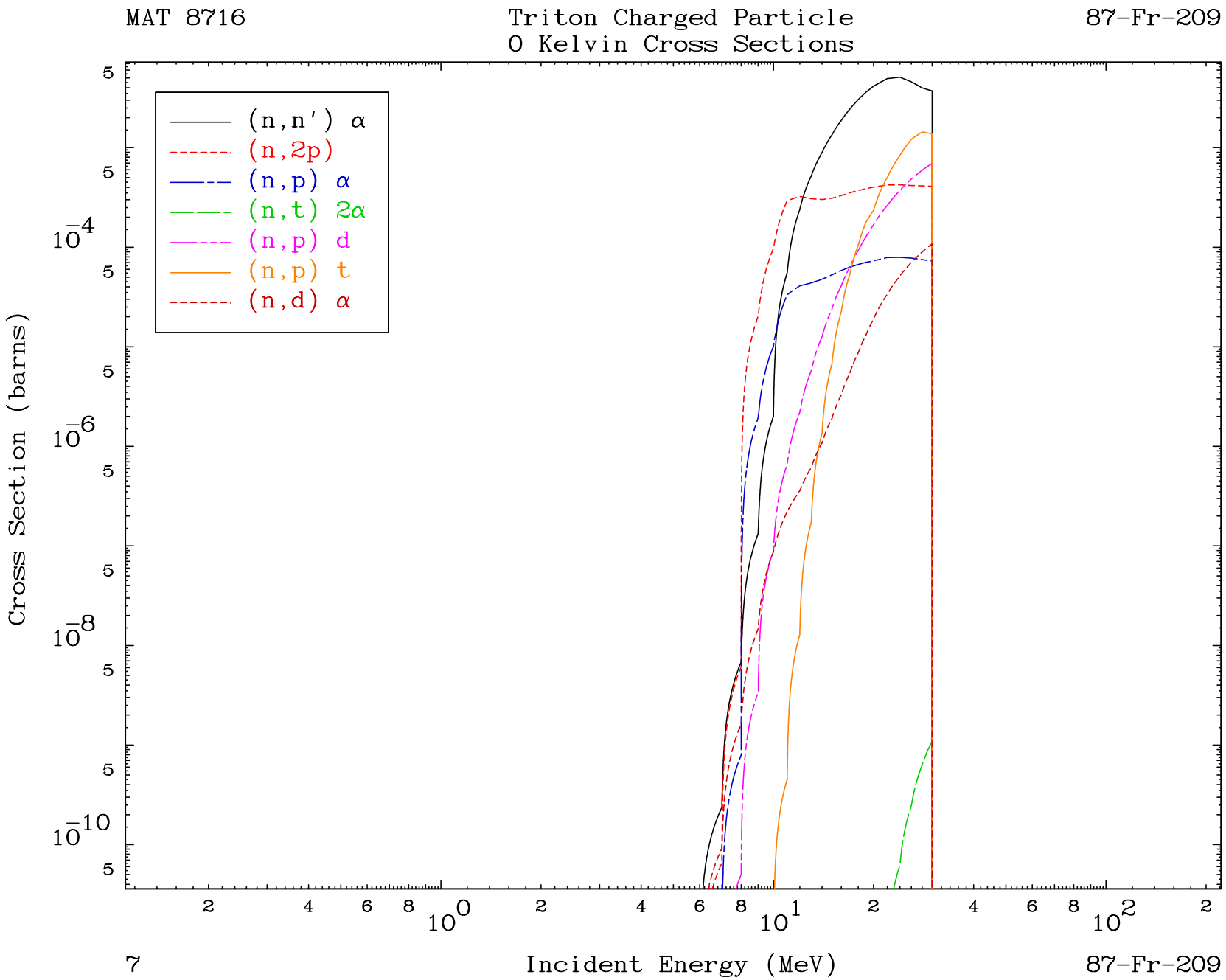

MAT 8716
Triton Neutron Absorption
0 Kelvin Cross Sections
87-Fr-209
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
2
87-Fr-209

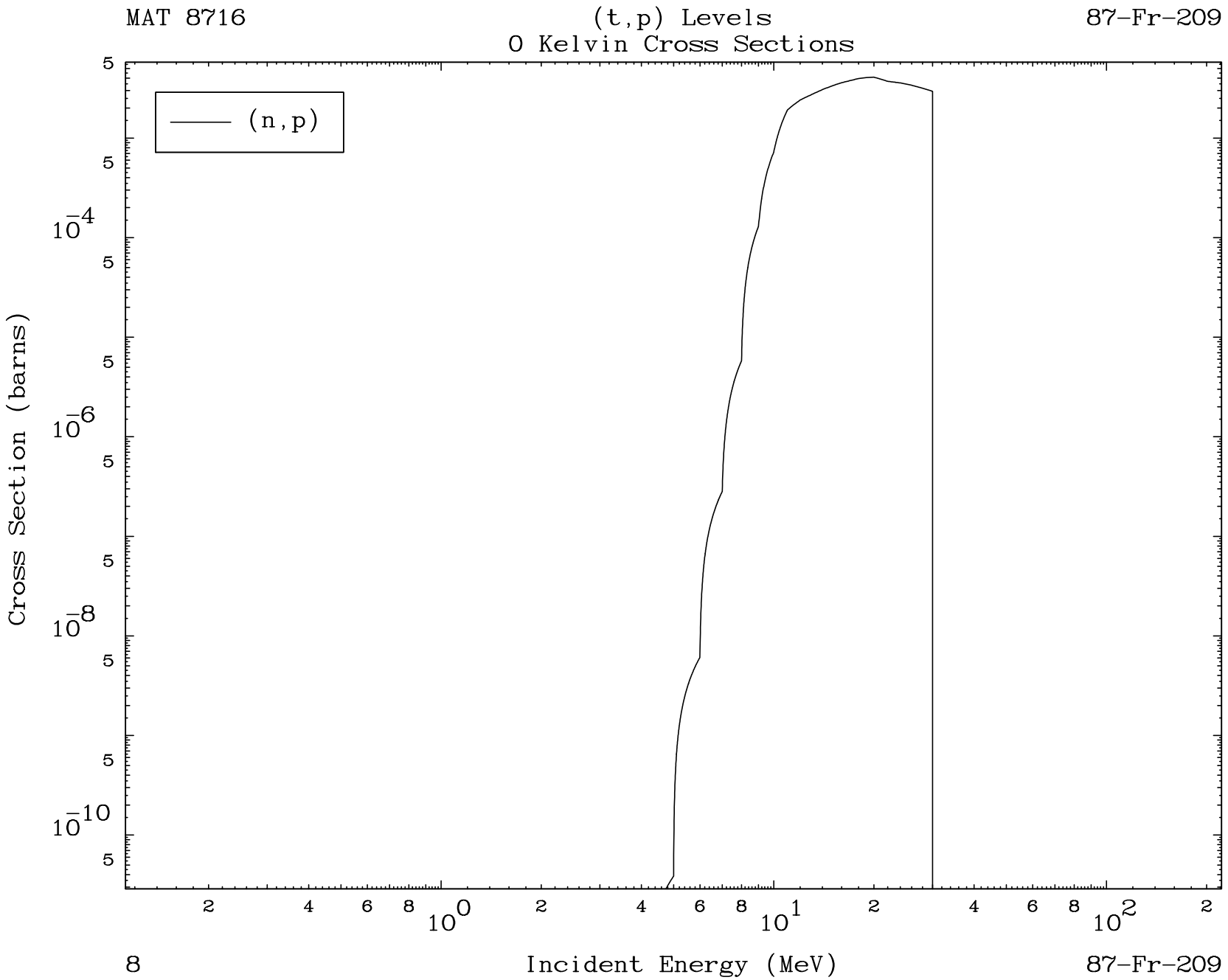

MAT 8716
Triton Neutron Absorption
0 Kelvin Cross Sections
87-Fr-209
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
87-Fr-209

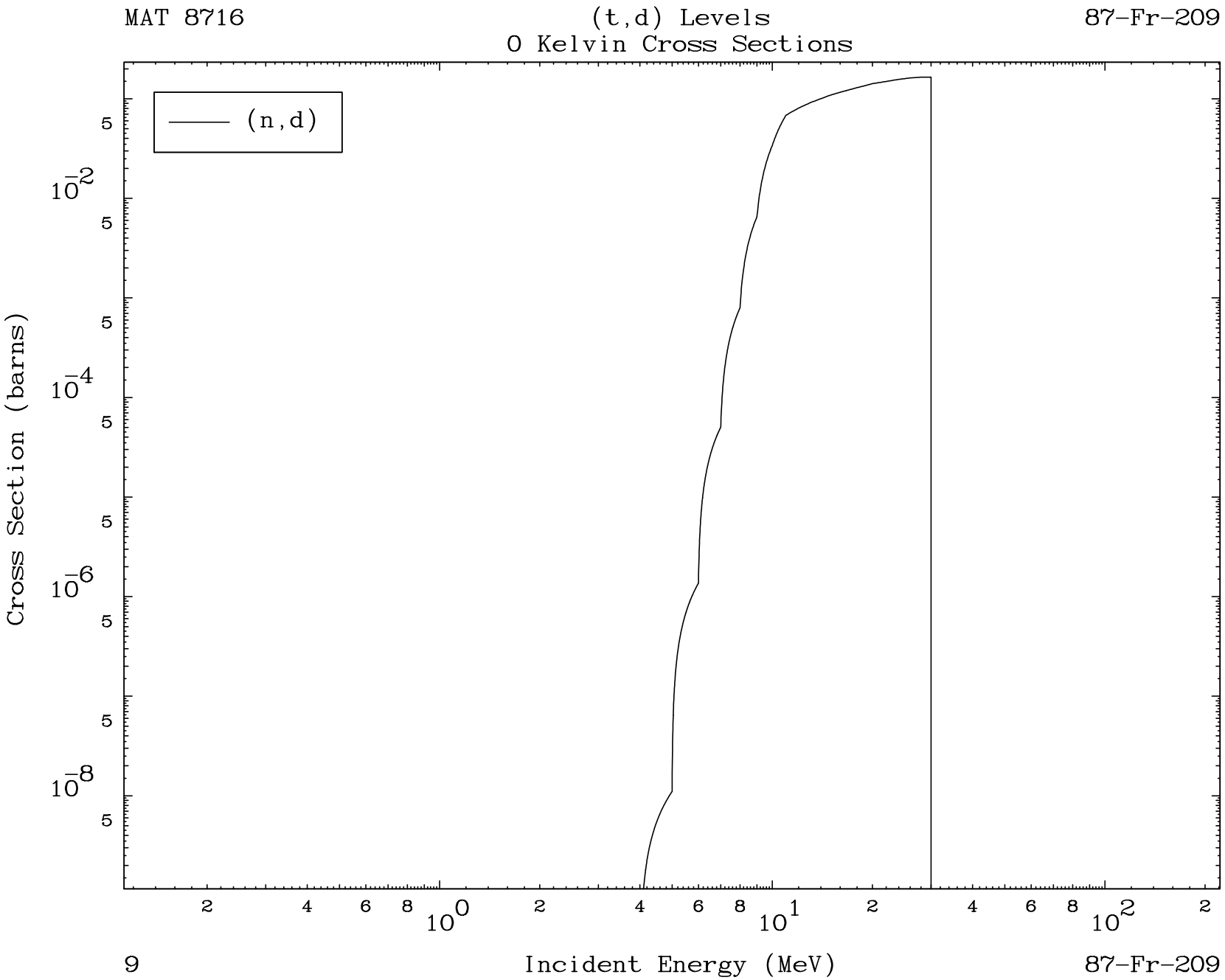

MAT 8716
Triton Neutron Absorption
0 Kelvin Cross Sections
87-Fr-209
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,t) 2α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
4
87-Fr-209

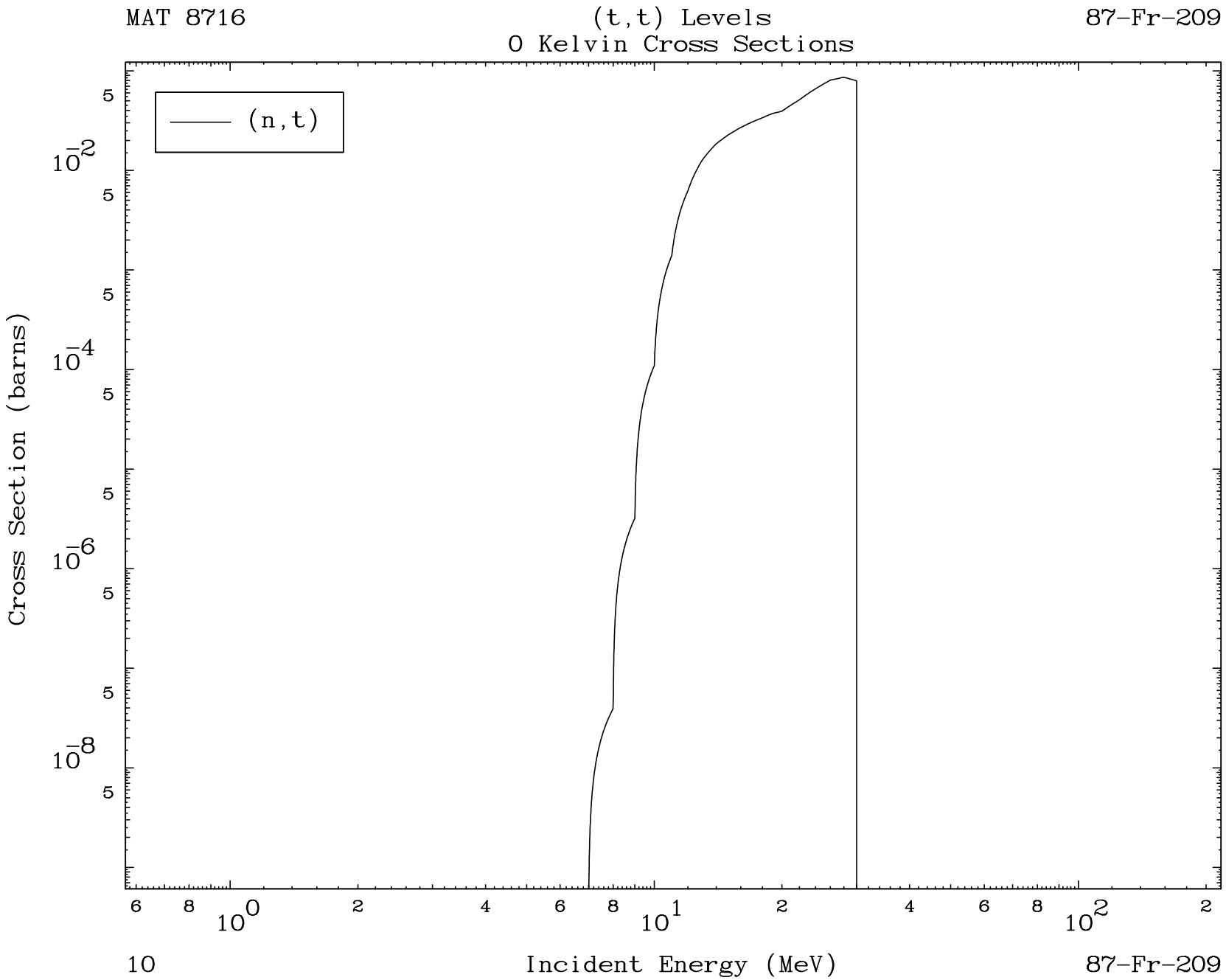

MAT 8716
Triton Charged Particle
0 Kelvin Cross Sections
87-Fr-209
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
100
101
102
5
87-Fr-209

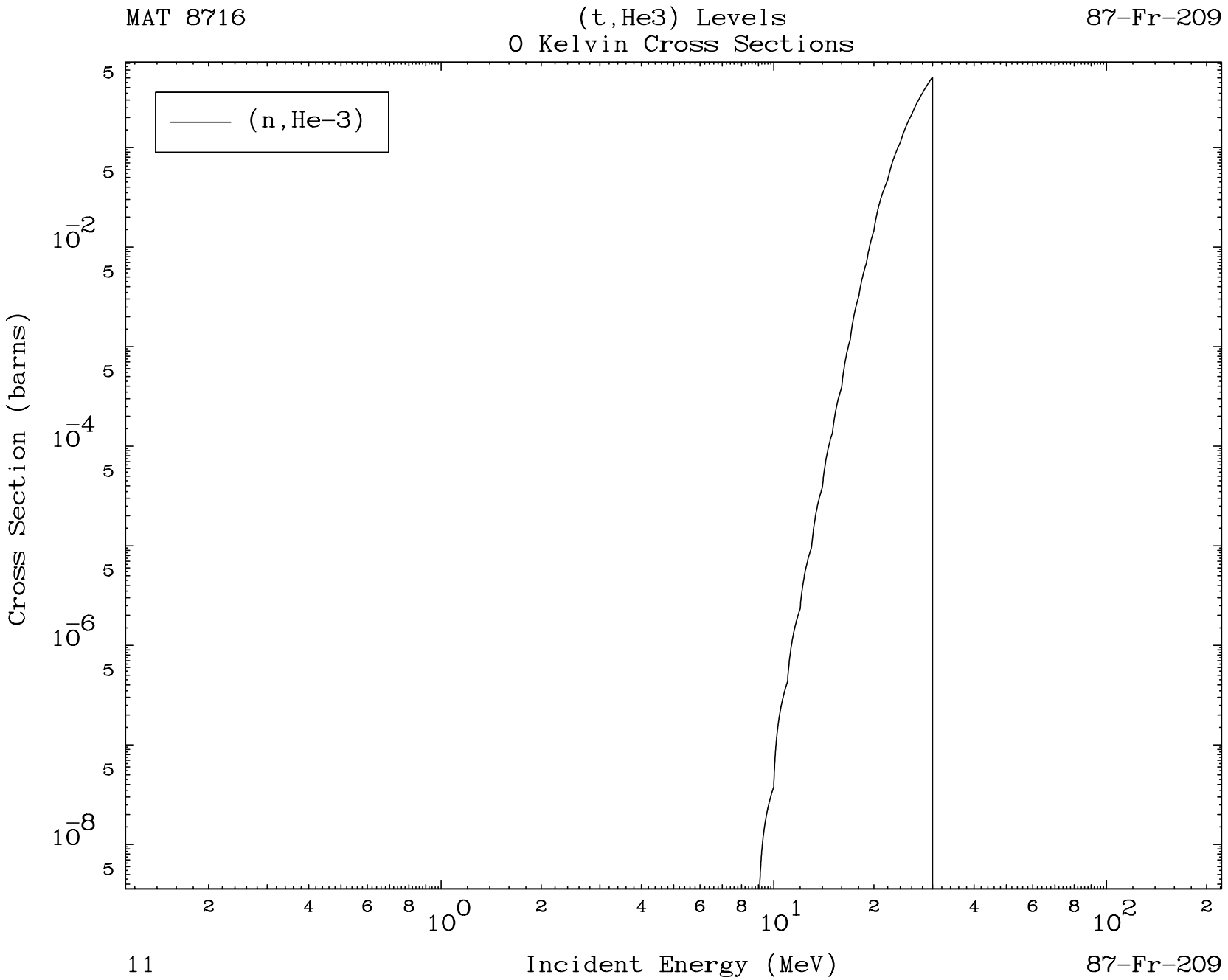

MAT 8716
Triton Charged Particle
0 Kelvin Cross Sections
87-Fr-209
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
6
87-Fr-209

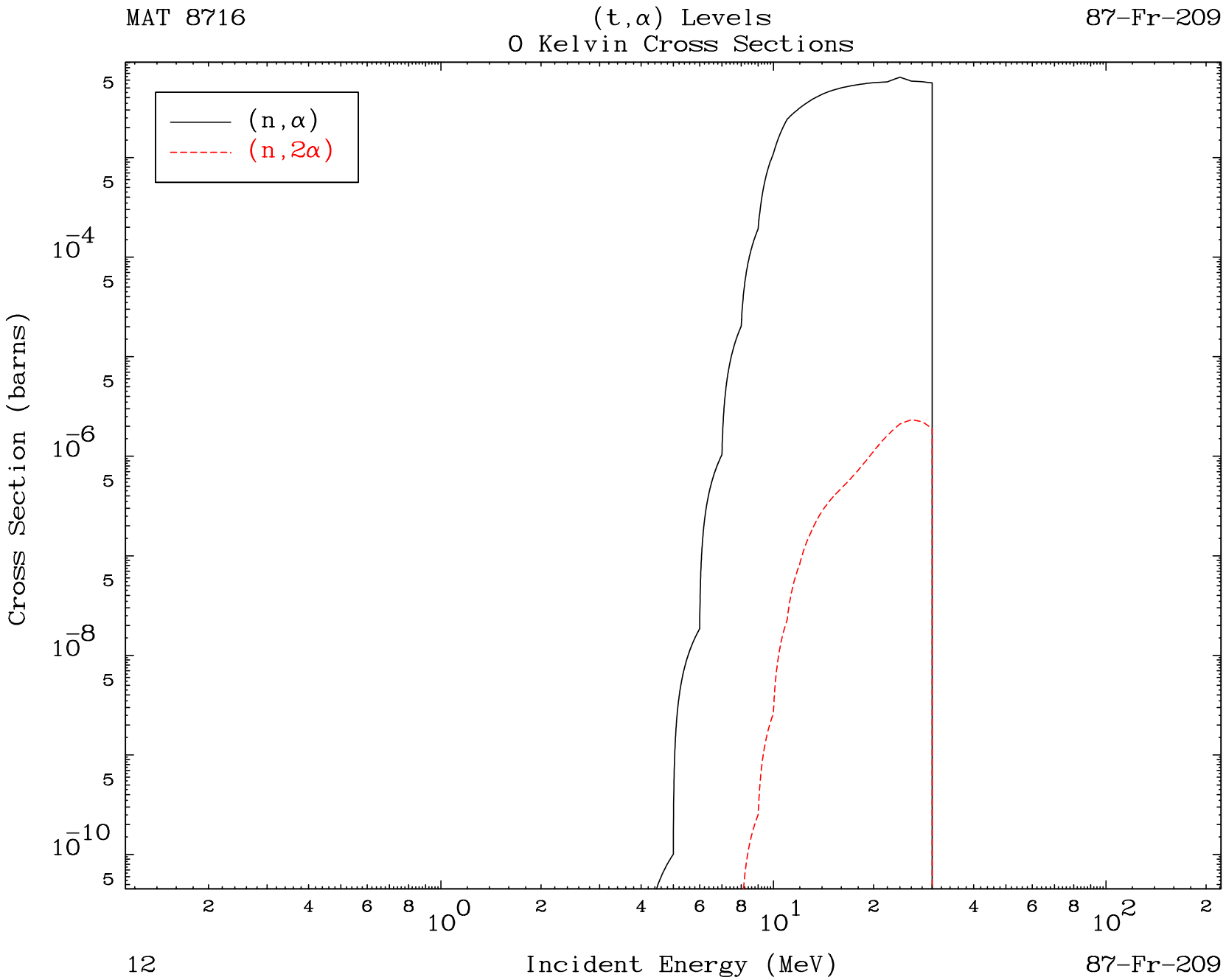

MAT 8716
Triton Charged Particle
0 Kelvin Cross Sections
87-Fr-209
(n,n') α
(n,2p)
(n,p) α
(n,t) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
87-Fr-209

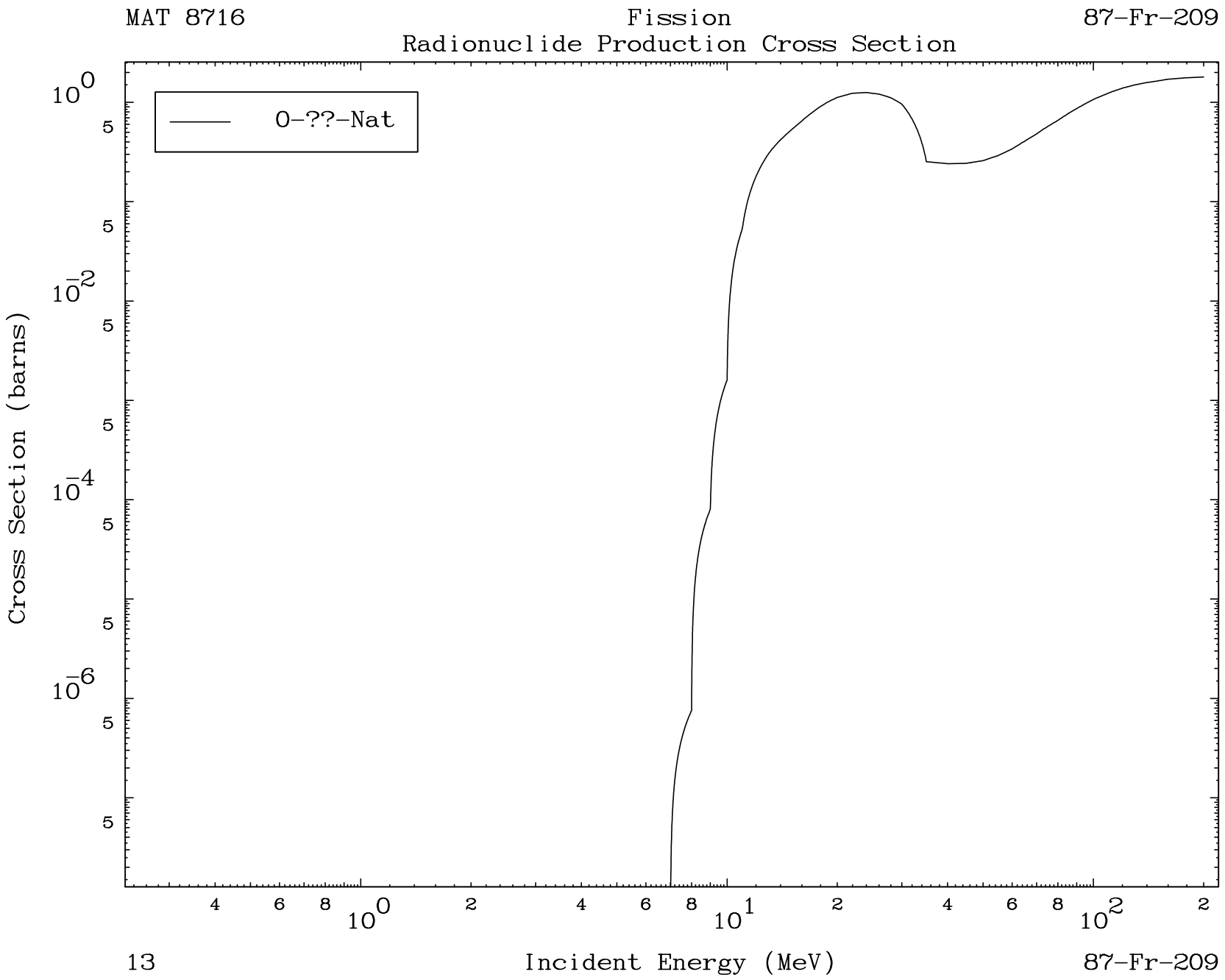

MAT 8716
(t,p) Levels
87-Fr-209
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
87-Fr-209

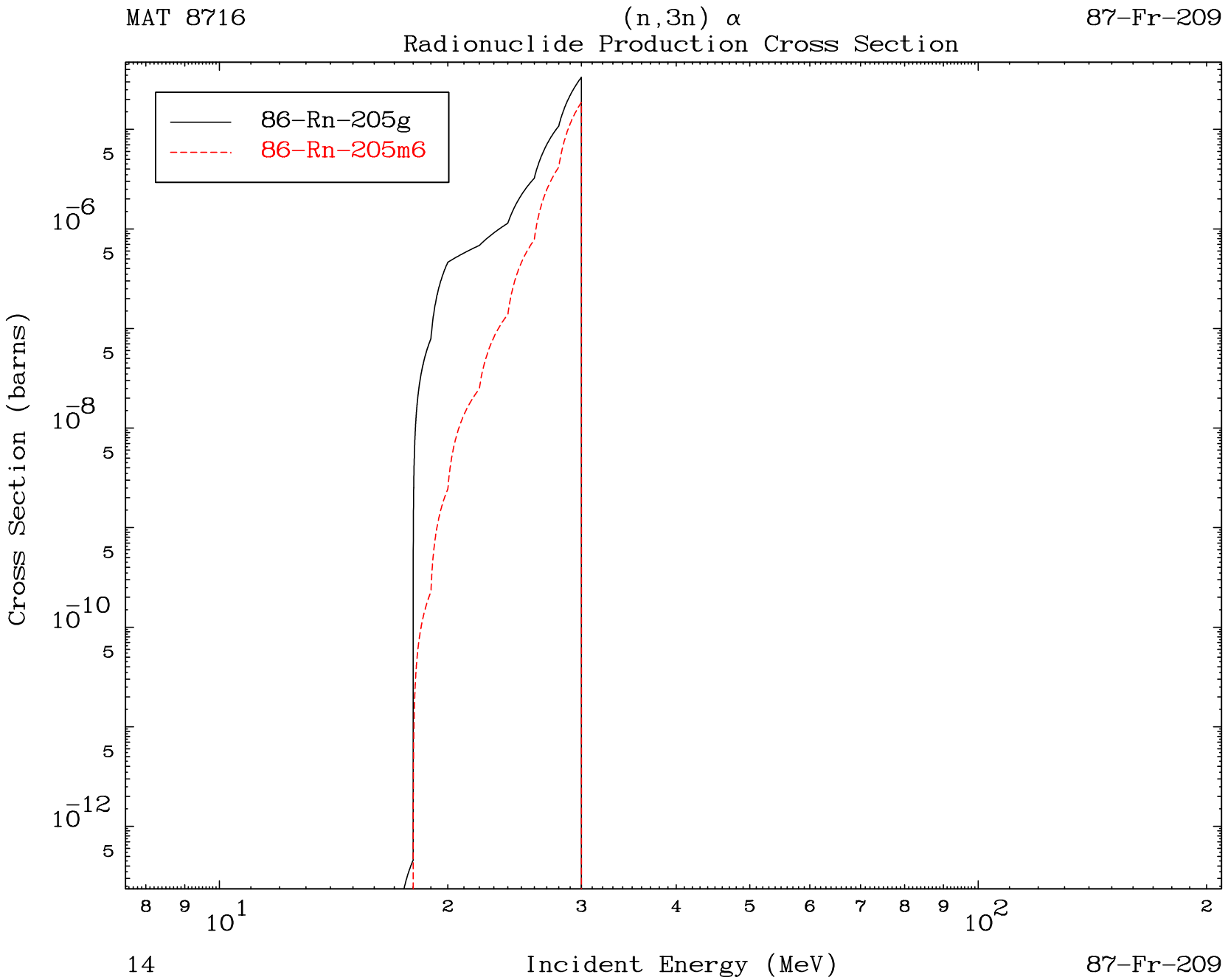

MAT 8716
(t,d) Levels
87-Fr-209
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
87-Fr-209

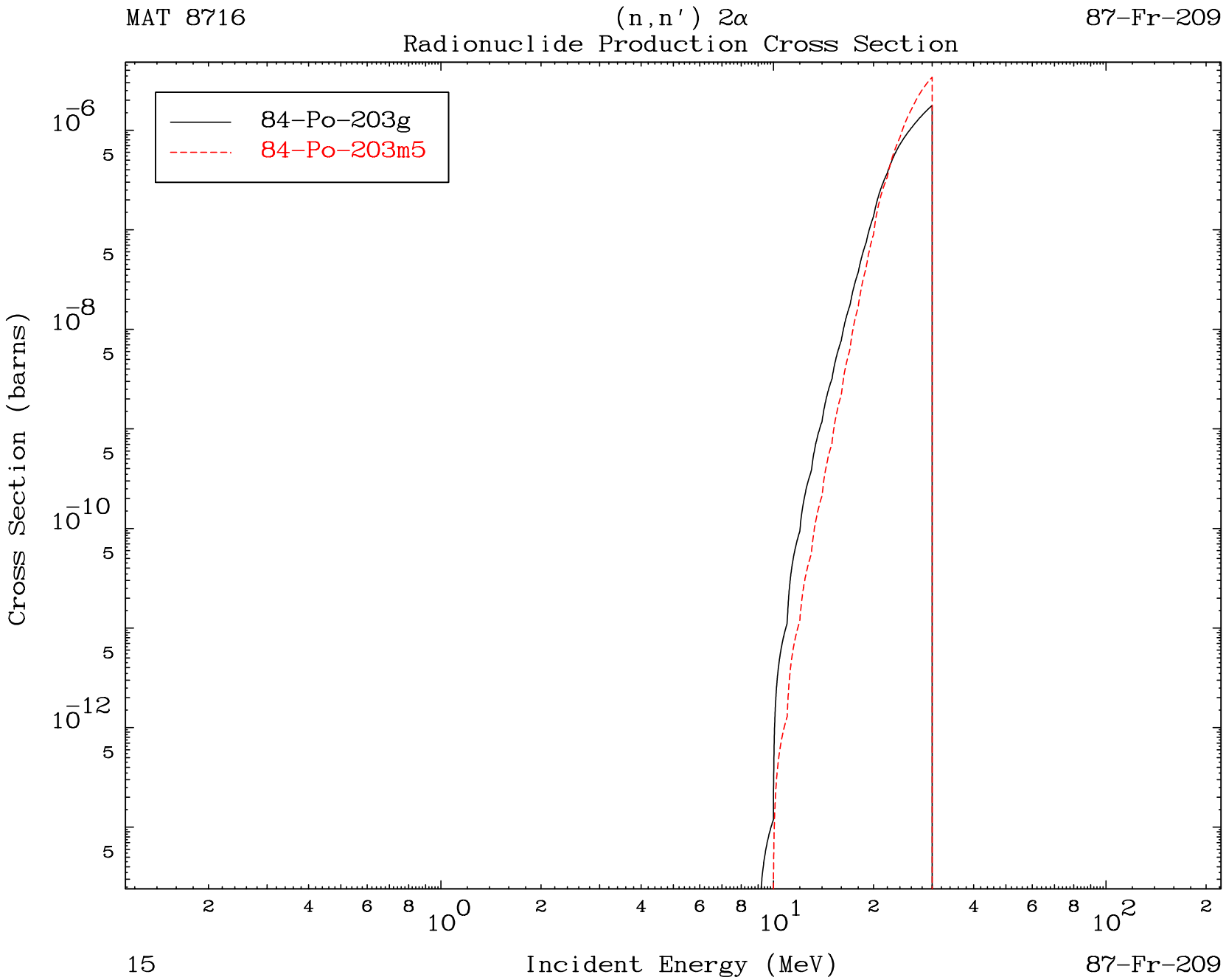

MAT 8716
(t,t) Levels
87-Fr-209
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
87-Fr-209

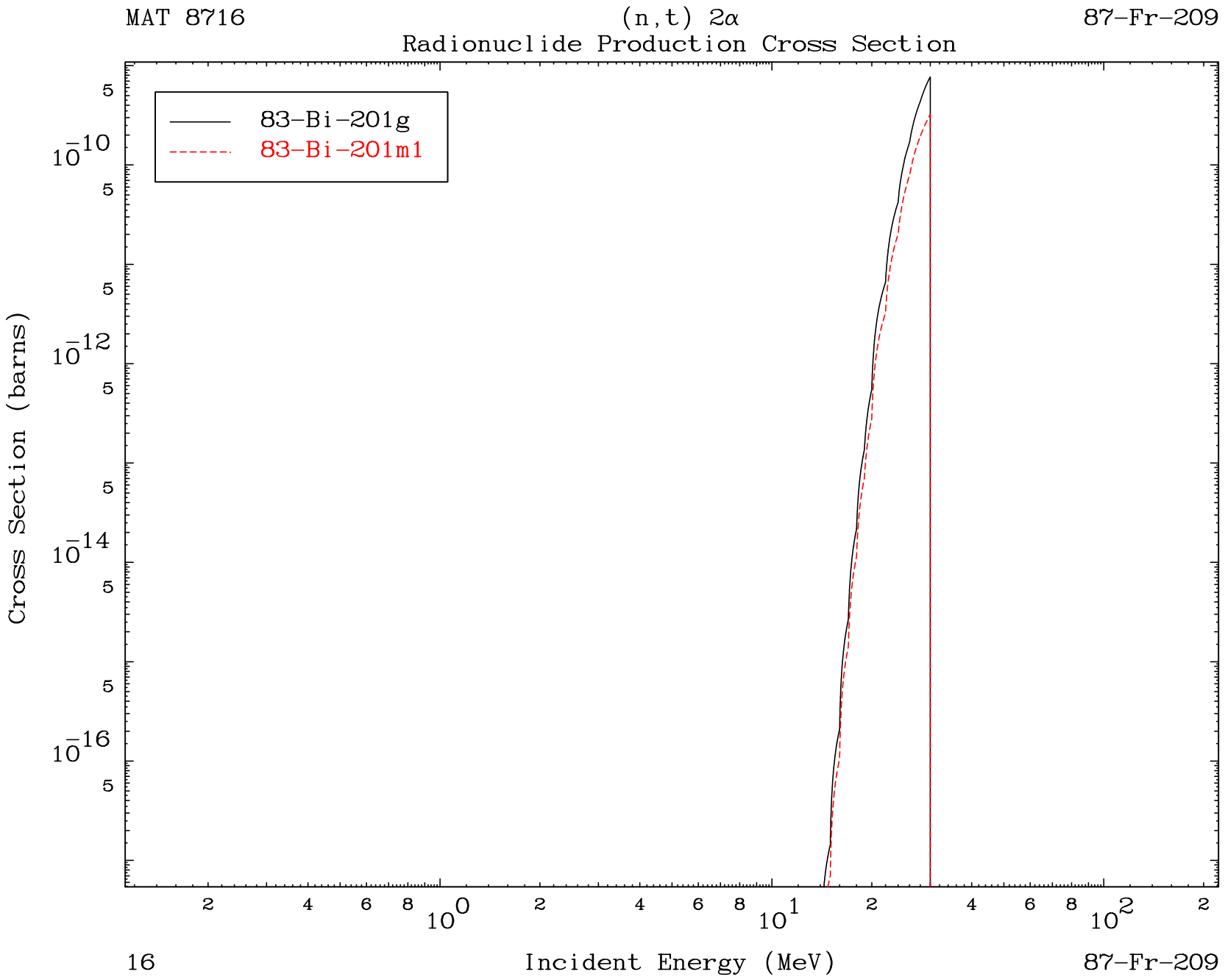

MAT 8716
(t,He3) Levels
87-Fr-209
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
87-Fr-209


MAT 8716
(t,α) Levels
87-Fr-209
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)
12
87-Fr-209


MAT 8716
Fission
87-Fr-209
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
13
87-Fr-209


MAT 8716
(n,3n) α
87-Fr-209
Radionuclide Production Cross Section
86-Rn-205g
86-Rn-205m6
Cross Section (barns)
10-6
10-8
10-10
10-12
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
14
Incident Energy (MeV)
87-Fr-209


MAT 8716
(n,n') 2α
87-Fr-209
Radionuclide Production Cross Section
84-Po-203g
84-Po-203m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^0
10^1
10^2
2
4
6
8
15
Incident Energy (MeV)
87-Fr-209


MAT 8716
(n,t) 2α
87-Fr-209
Radionuclide Production Cross Section
83-Bi-201g
83-Bi-201m1
Cross Section (barns)
Incident Energy (MeV)
16
87-Fr-209