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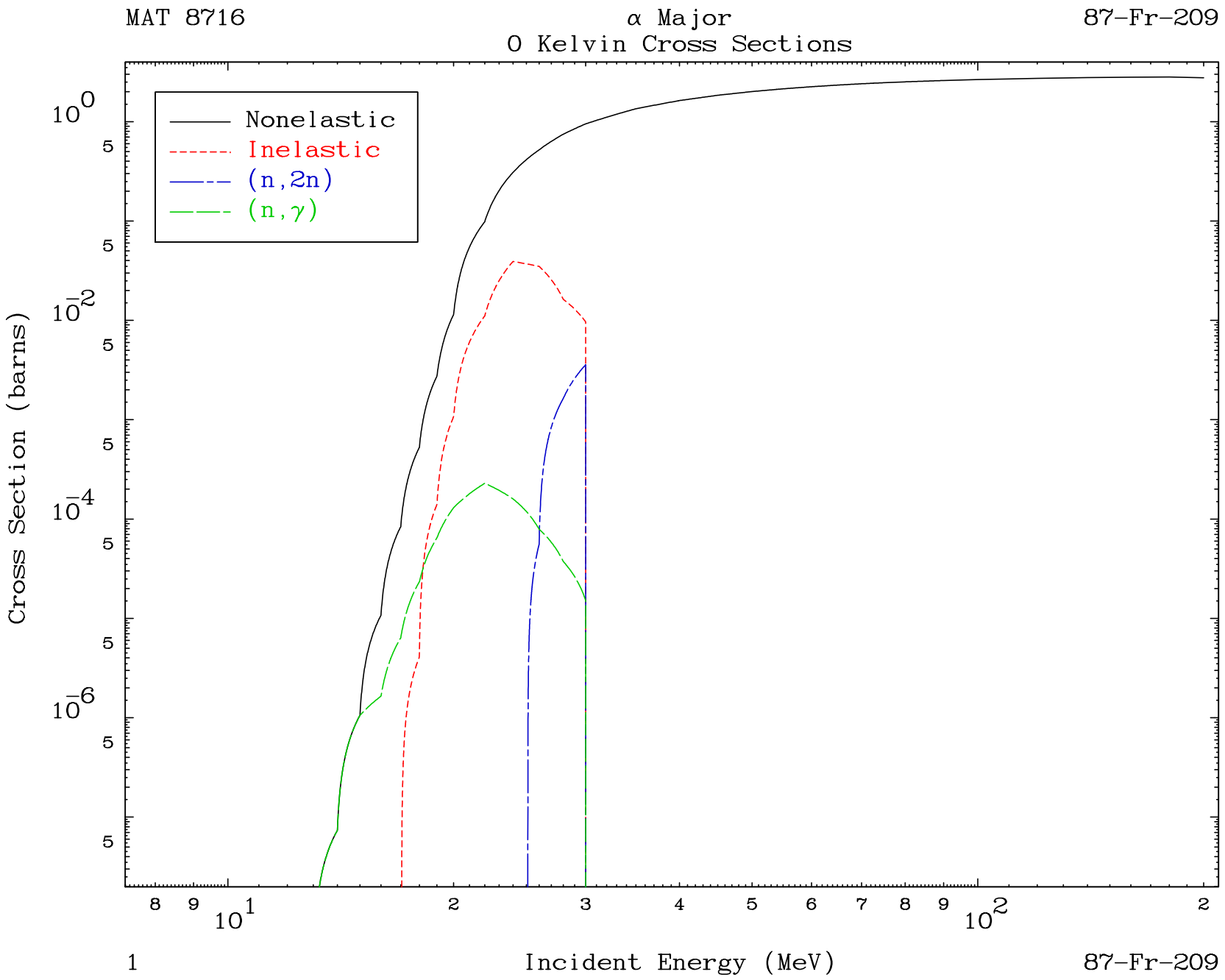
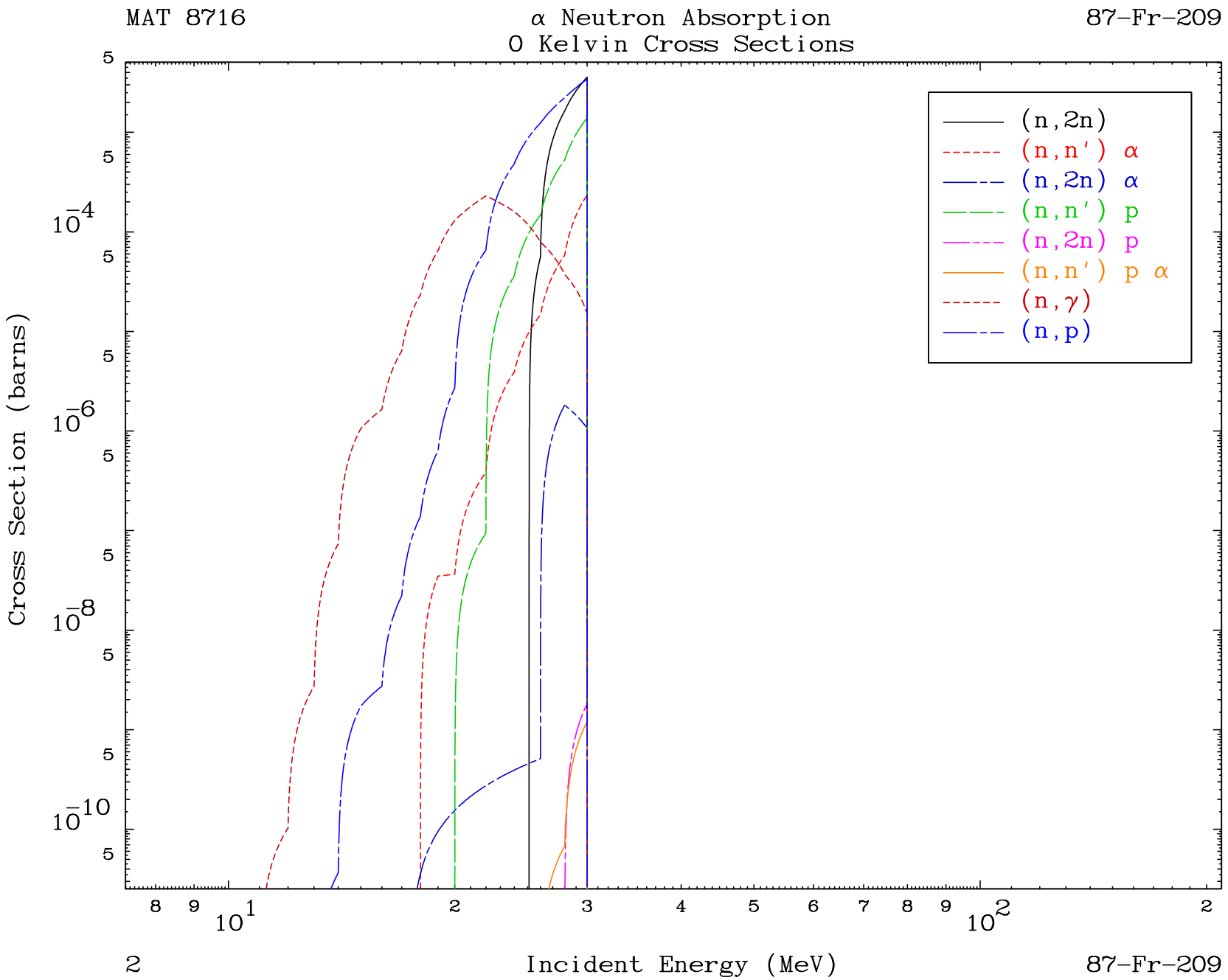
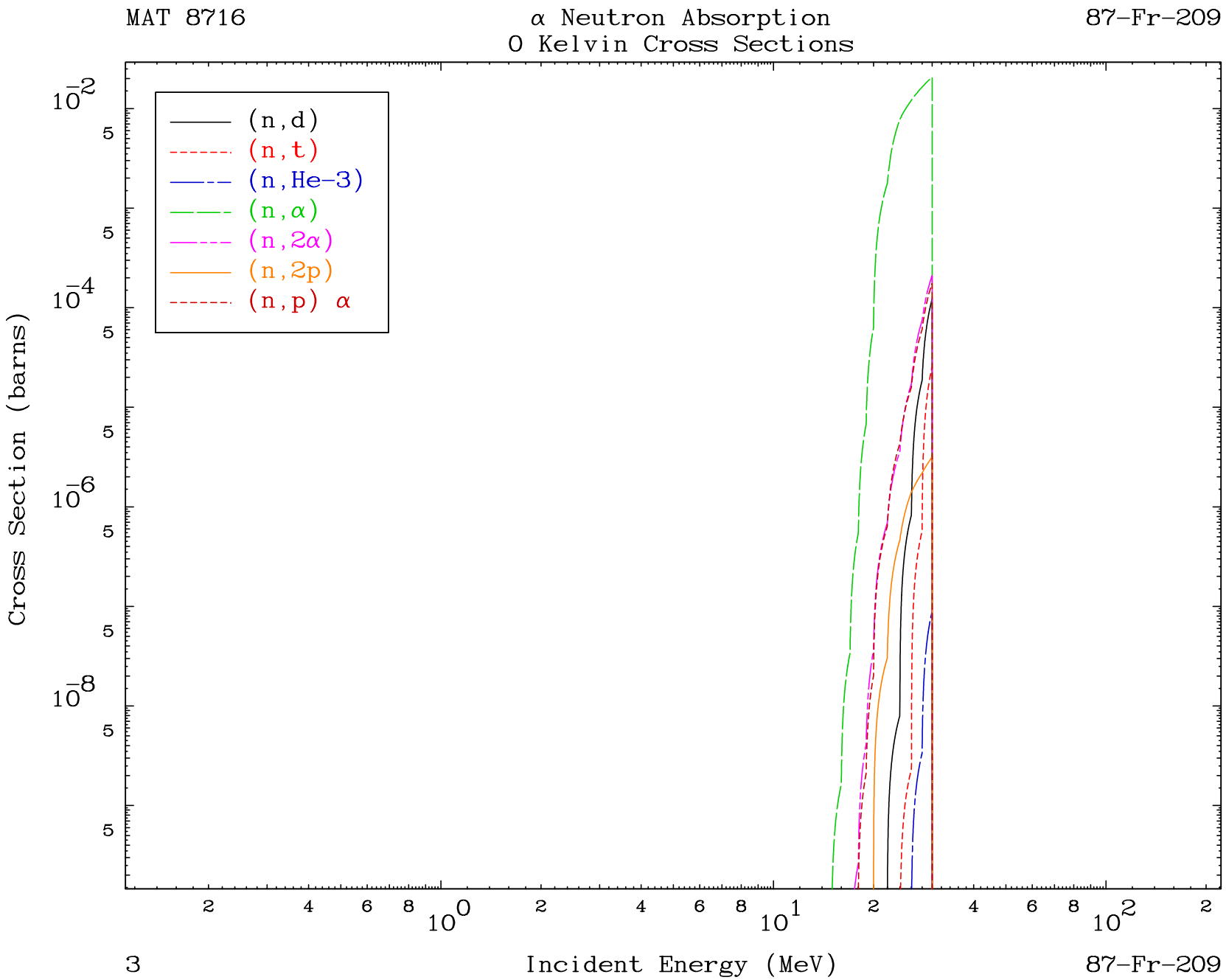
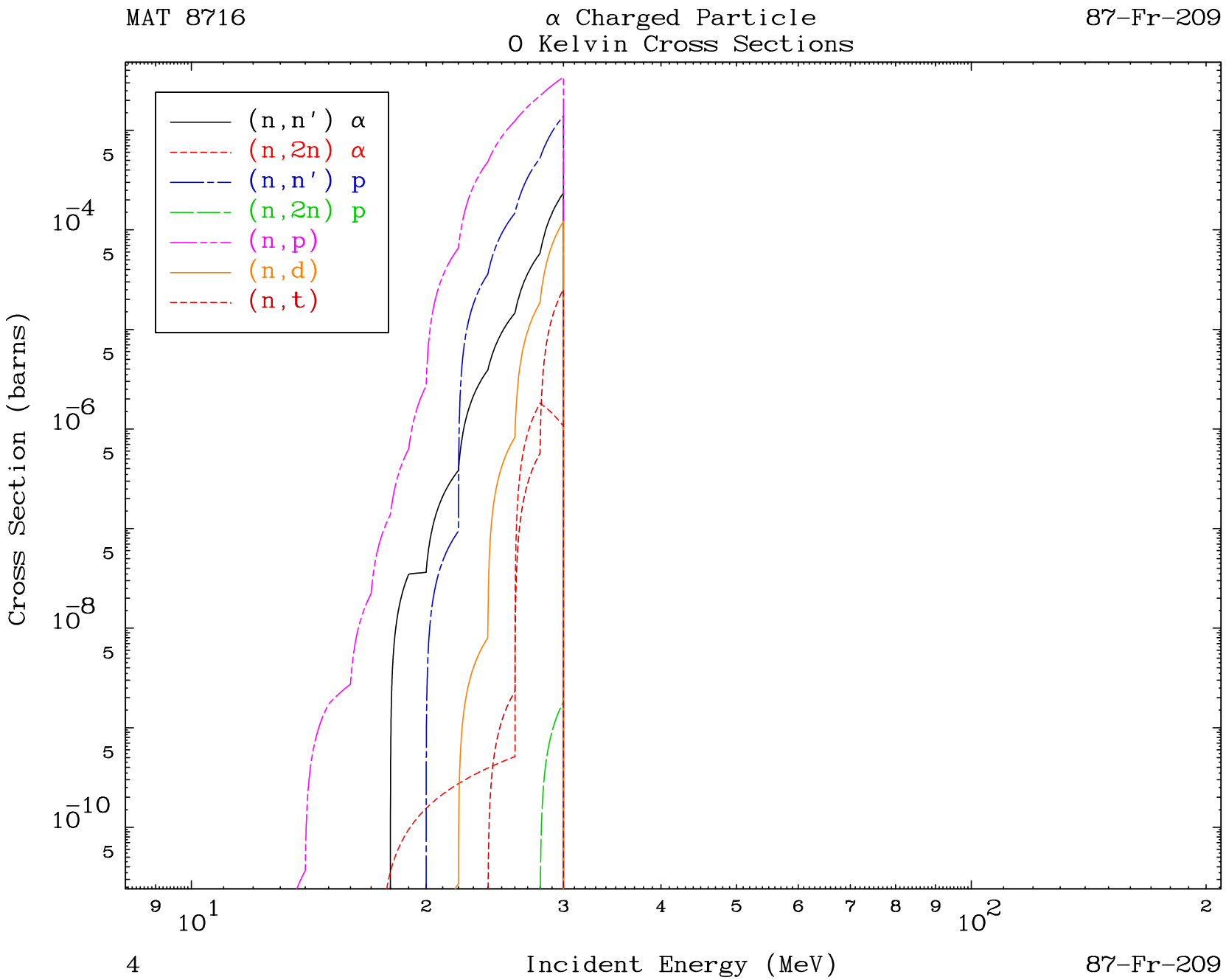
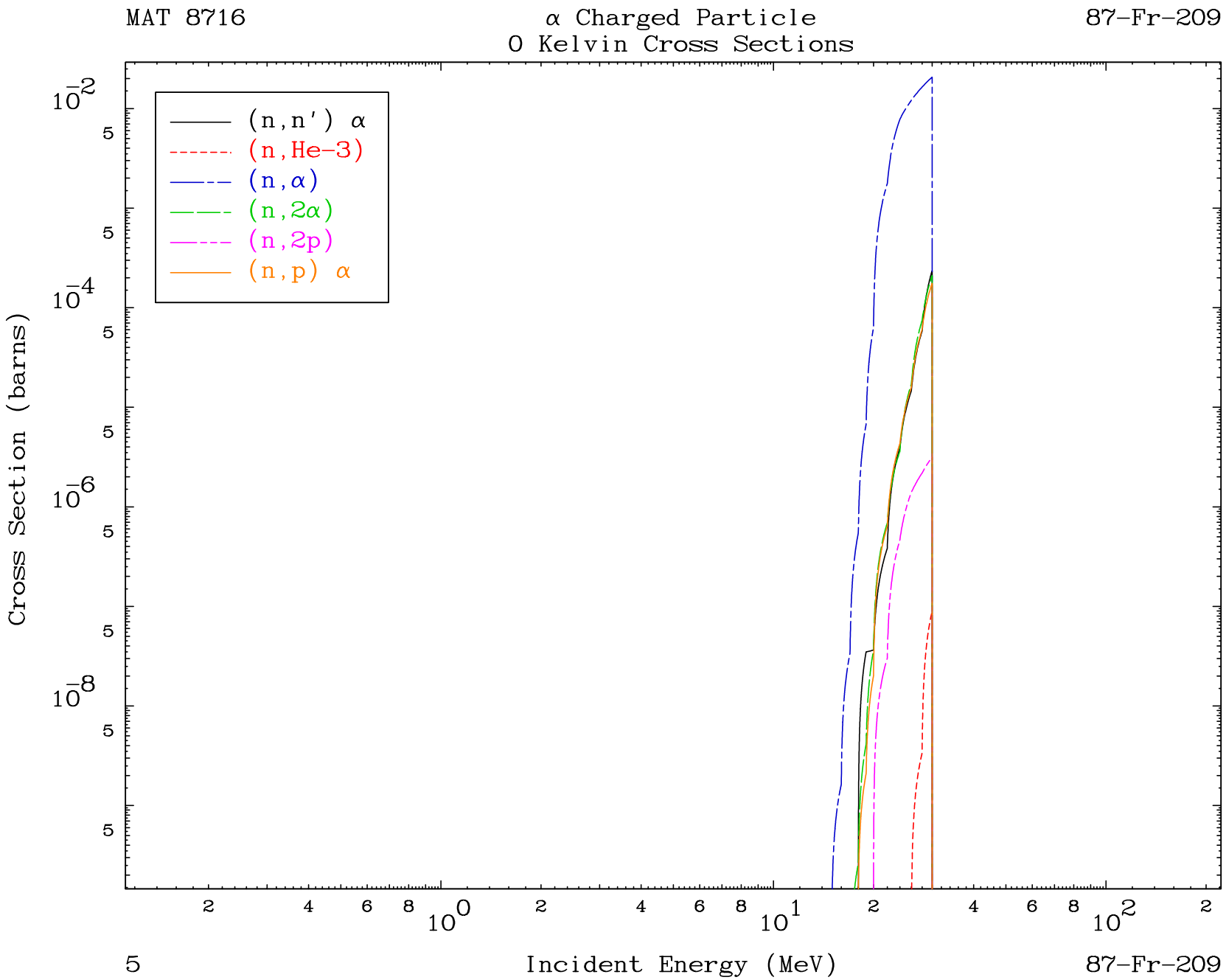
Press Mouse Button to Start

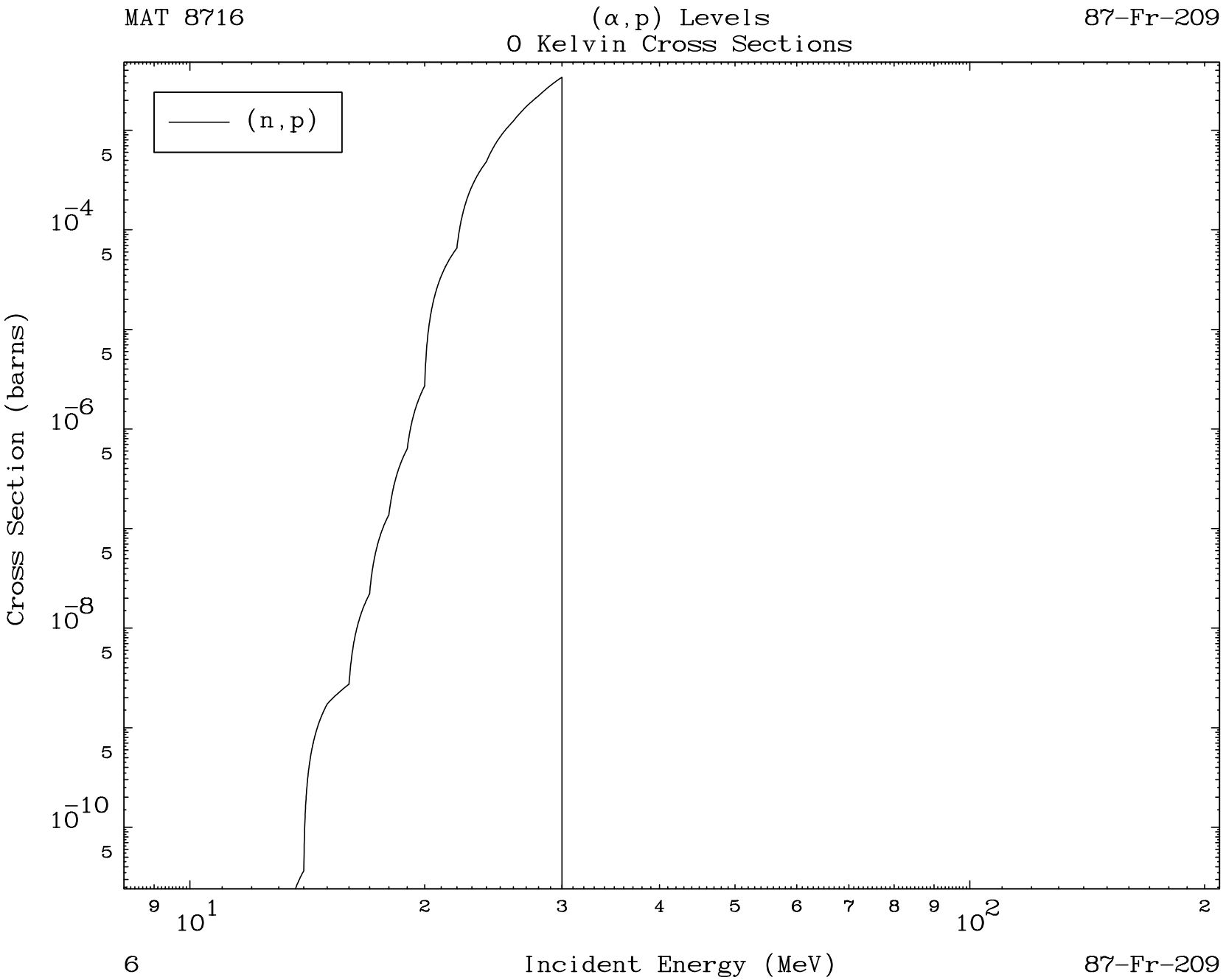

MAT 8716
α Major
87-Fr-209
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
87-Fr-209

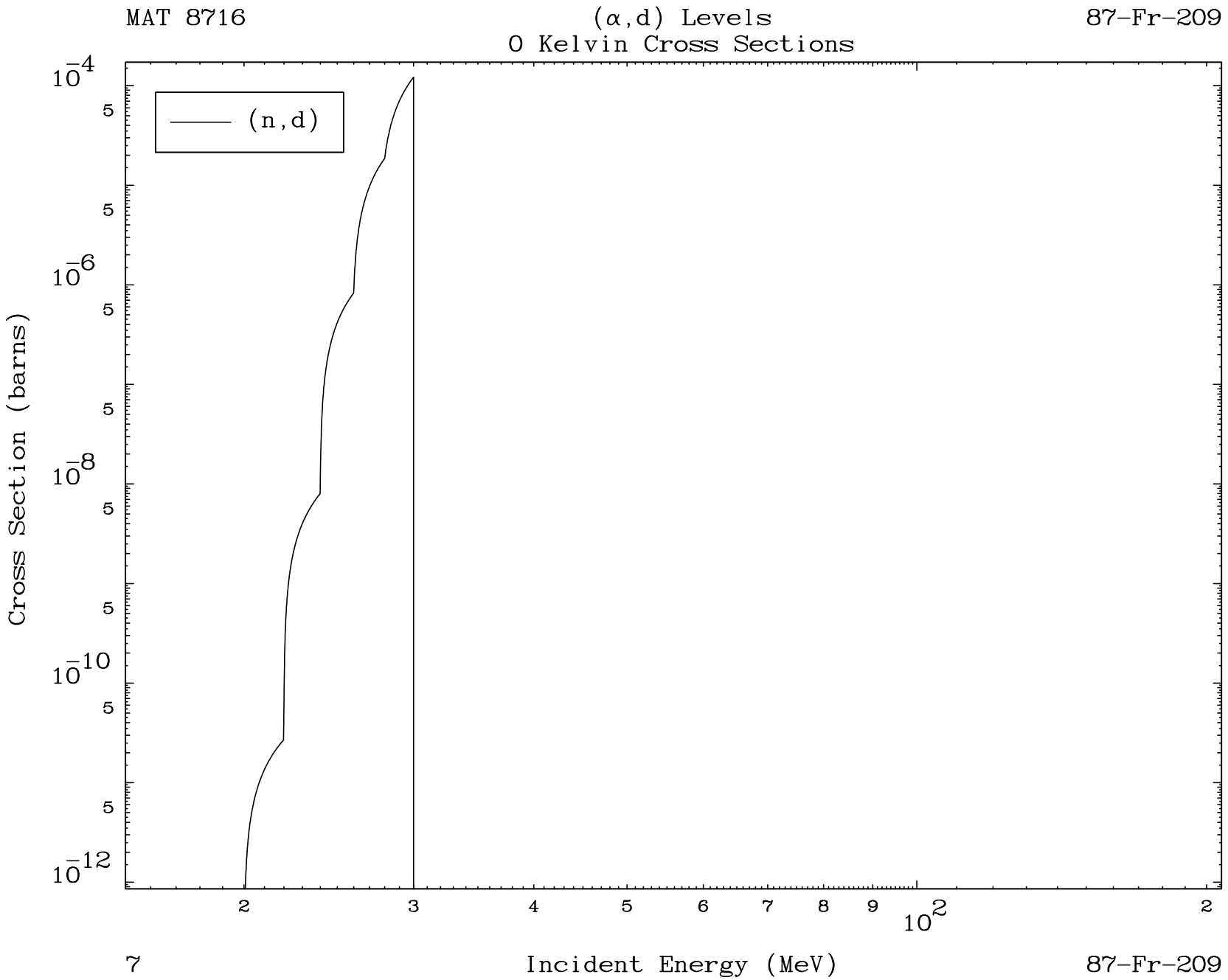

MAT 8716
α Neutron Absorption
0 Kelvin Cross Sections
87-Fr-209
Cross Section (barns)
Incident Energy (MeV)
87-Fr-209
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)


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

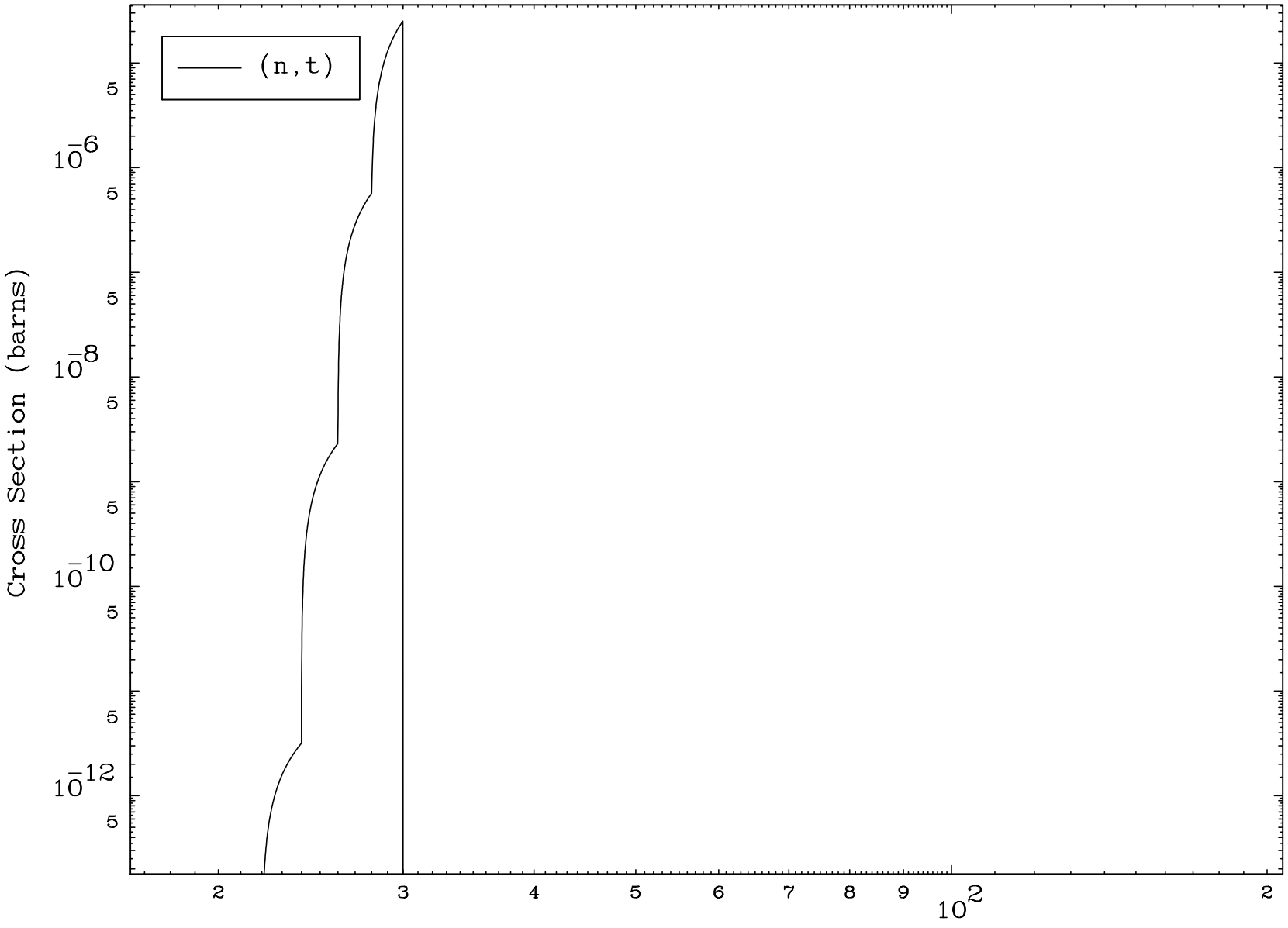

MAT 8716
α Charged Particle
0 Kelvin Cross Sections
87-Fr-209
(n,n') α
(n,2n) α
(n,n') p
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
10⁻⁴
10⁻⁶
10⁻⁸
10⁻¹⁰
10¹
10²
Incident Energy (MeV)
4
87-Fr-209

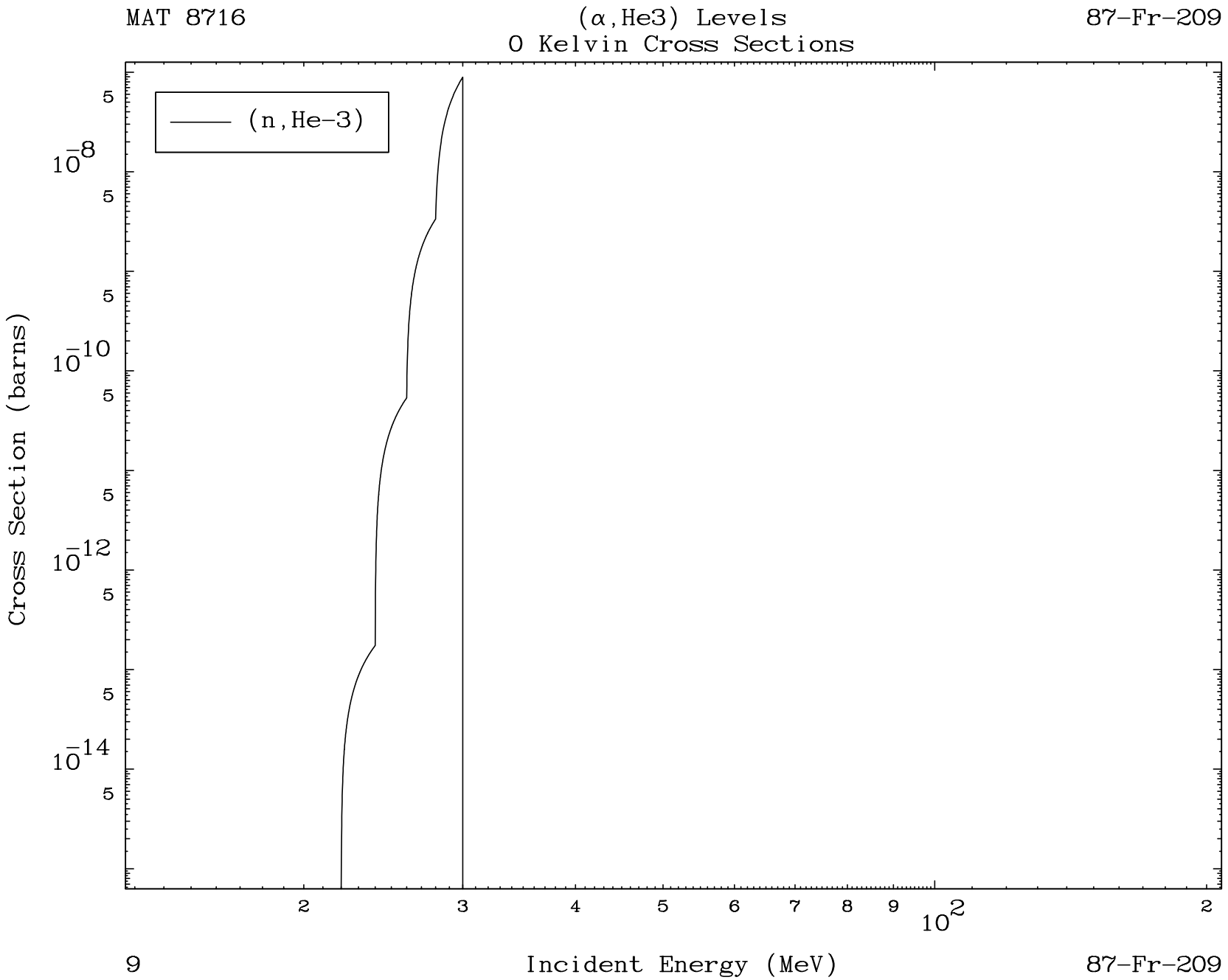

MAT 8716
α Charged Particle
0 Kelvin Cross Sections
87-Fr-209
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
5
87-Fr-209

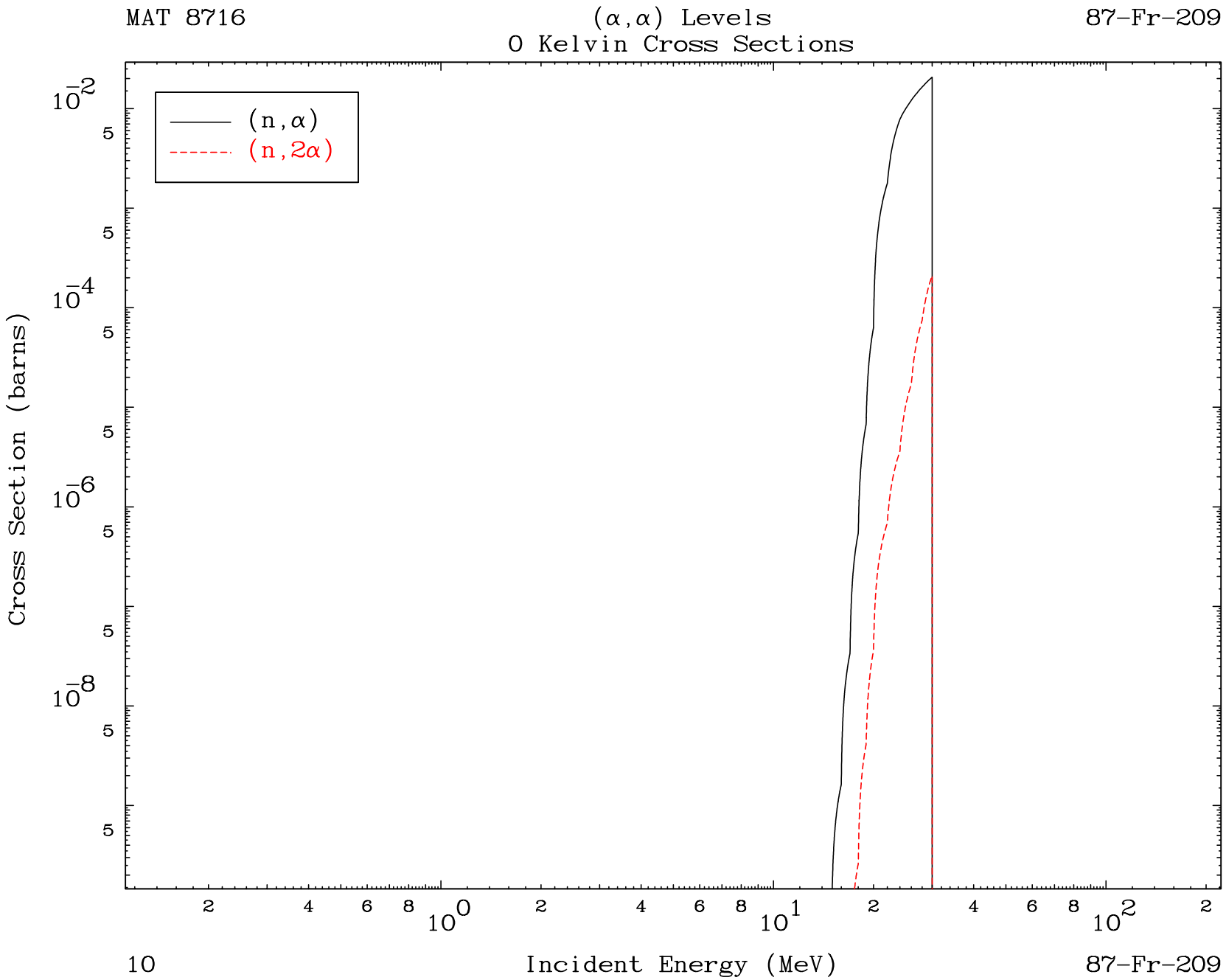

MAT 8716
(α,p) Levels
87-Fr-209
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
6
Incident Energy (MeV)
87-Fr-209

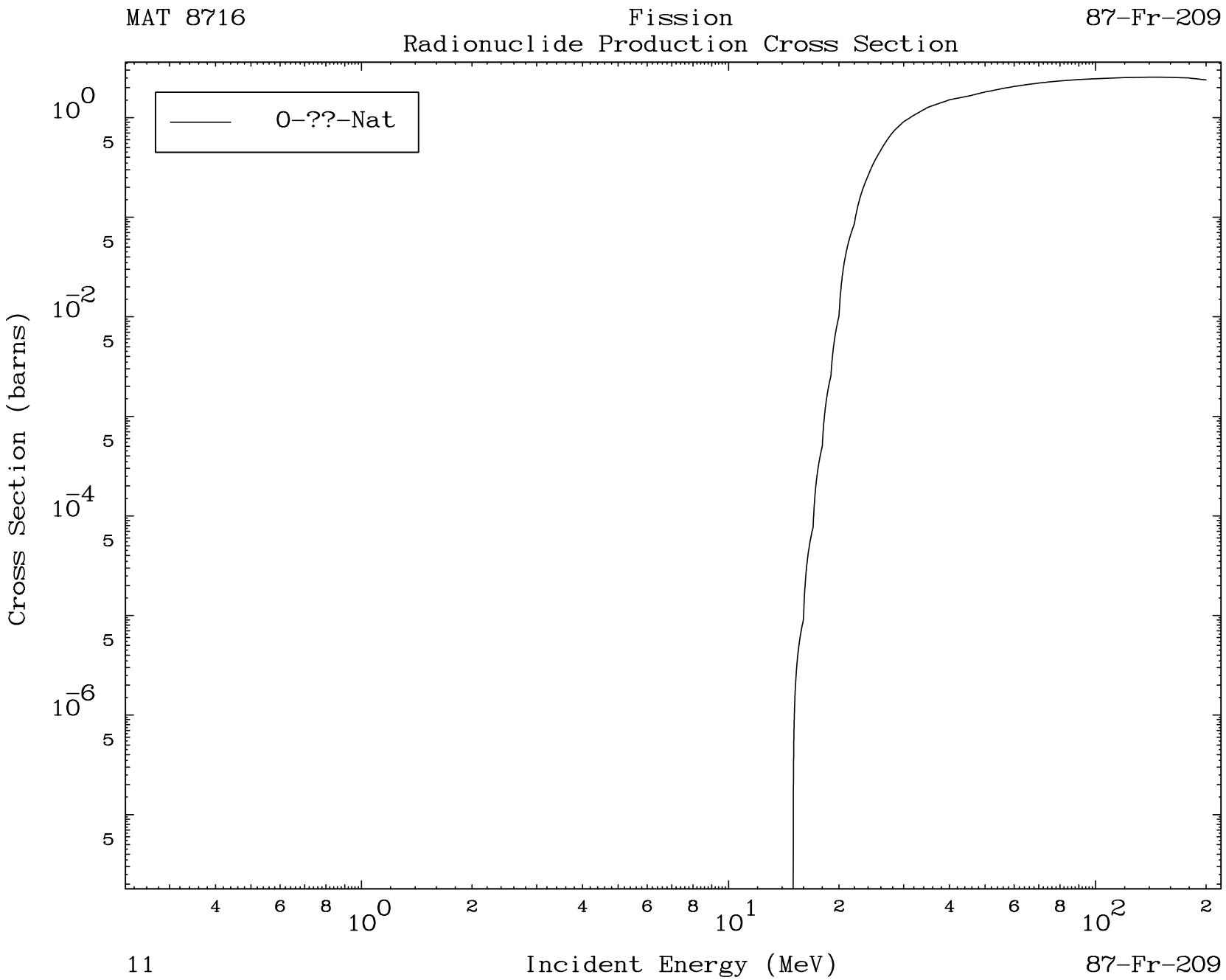

MAT 8716
(α,d) Levels
87-Fr-209
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
87-Fr-209

0 Kelvin Cross Sections




MAT 8716
(α,He3) Levels
0 Kelvin Cross Sections
87-Fr-209
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
87-Fr-209


MAT 8716
(α,α) Levels
87-Fr-209
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
87-Fr-209


MAT 8716
Fission
87-Fr-209
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
11
87-Fr-209