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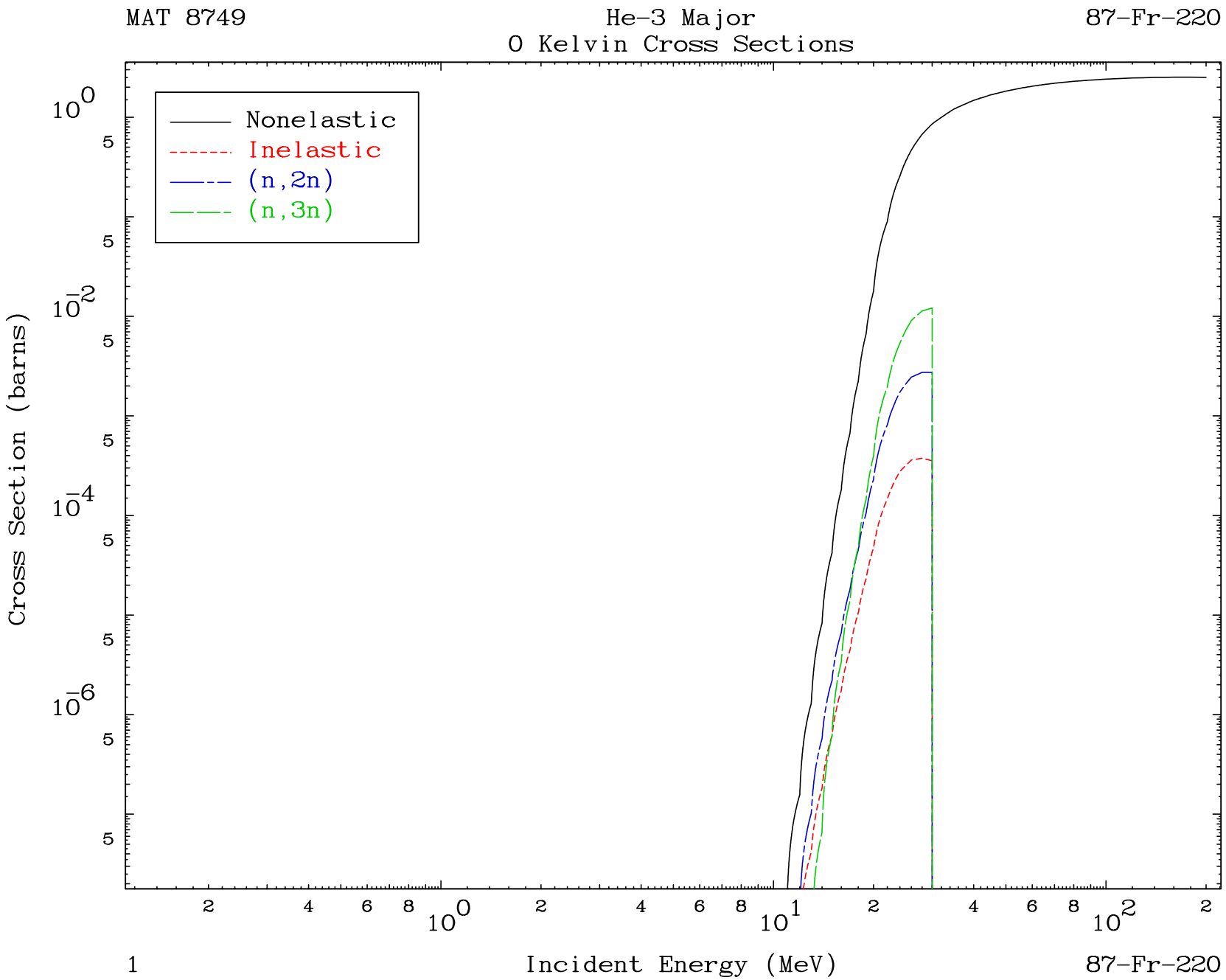
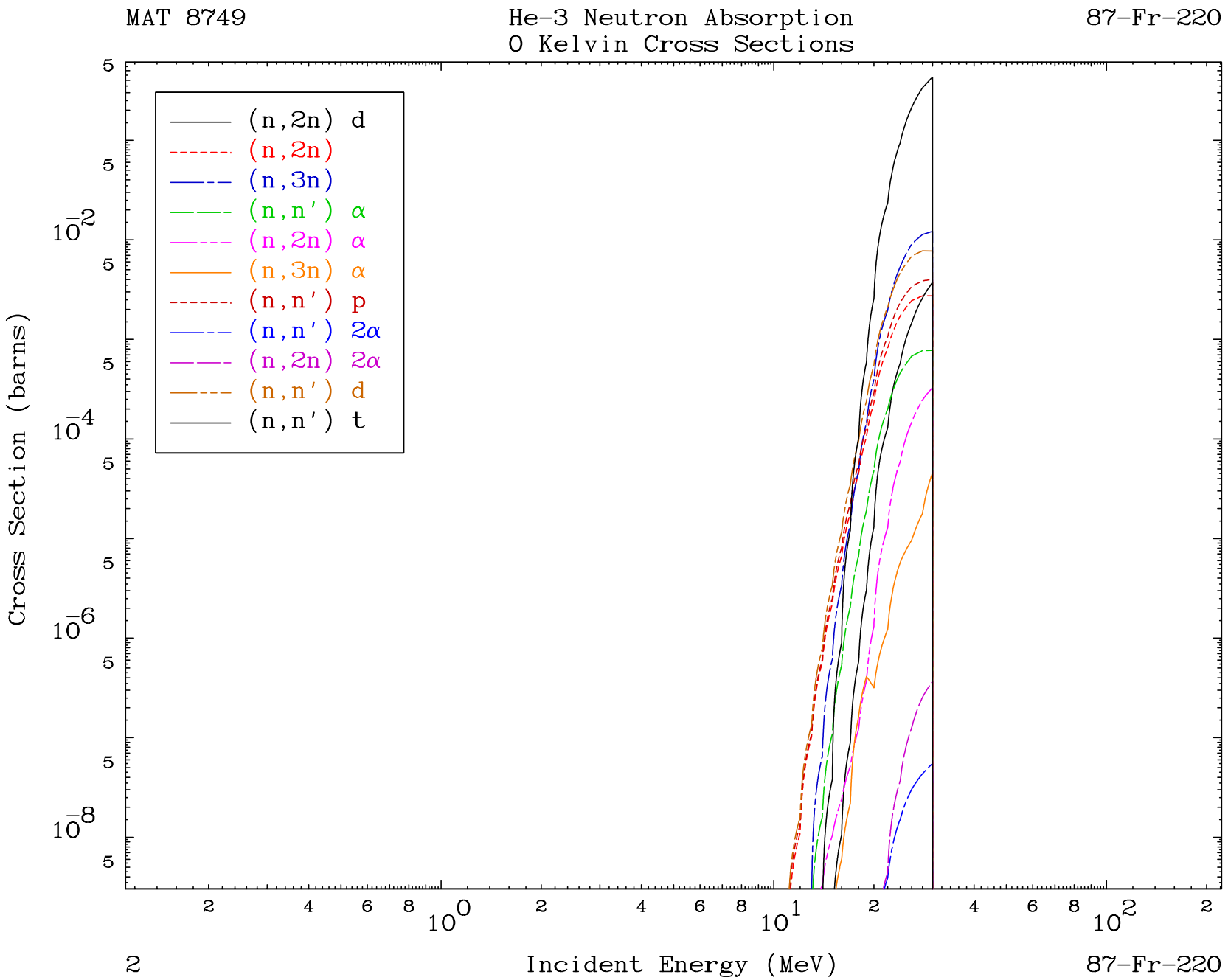
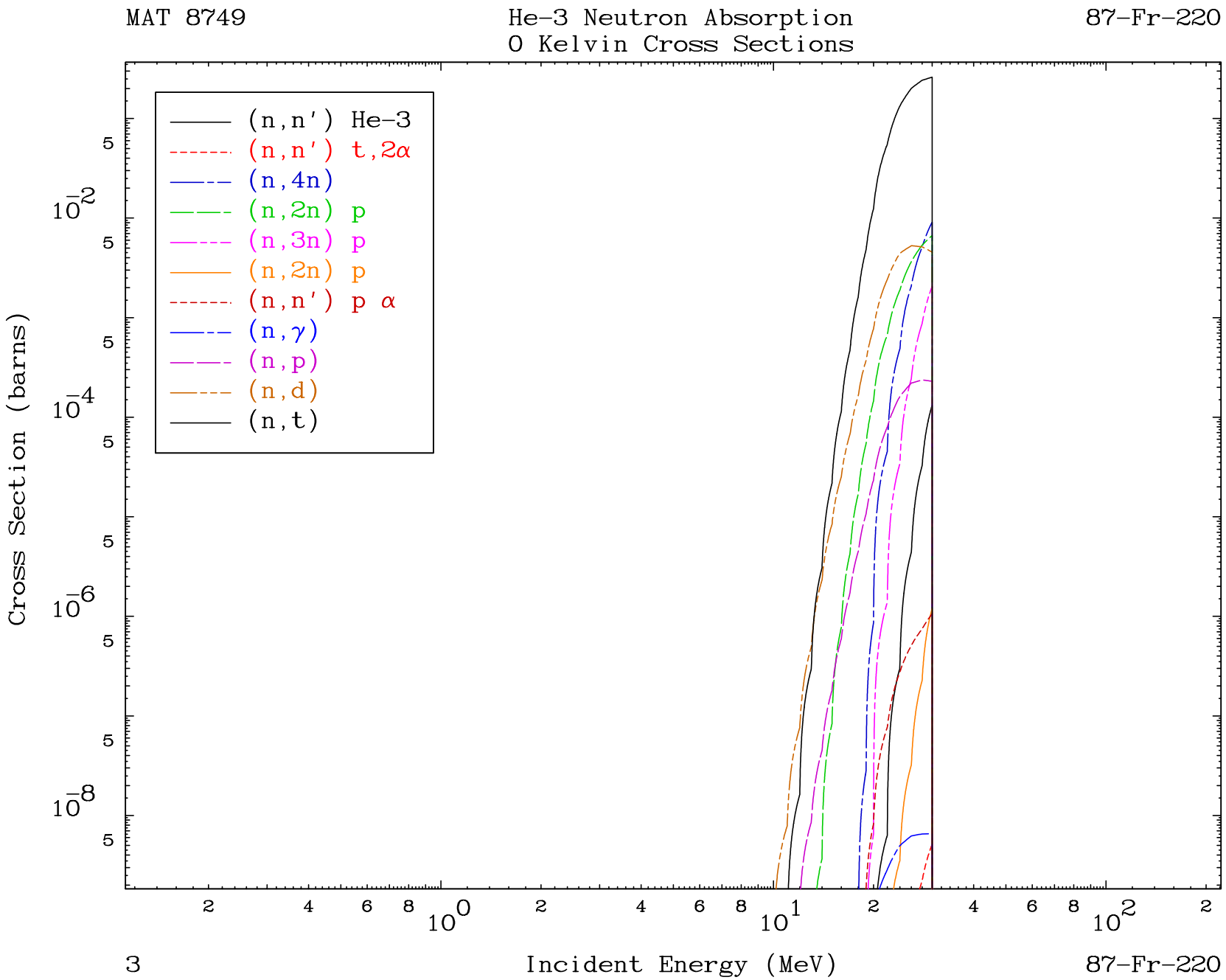
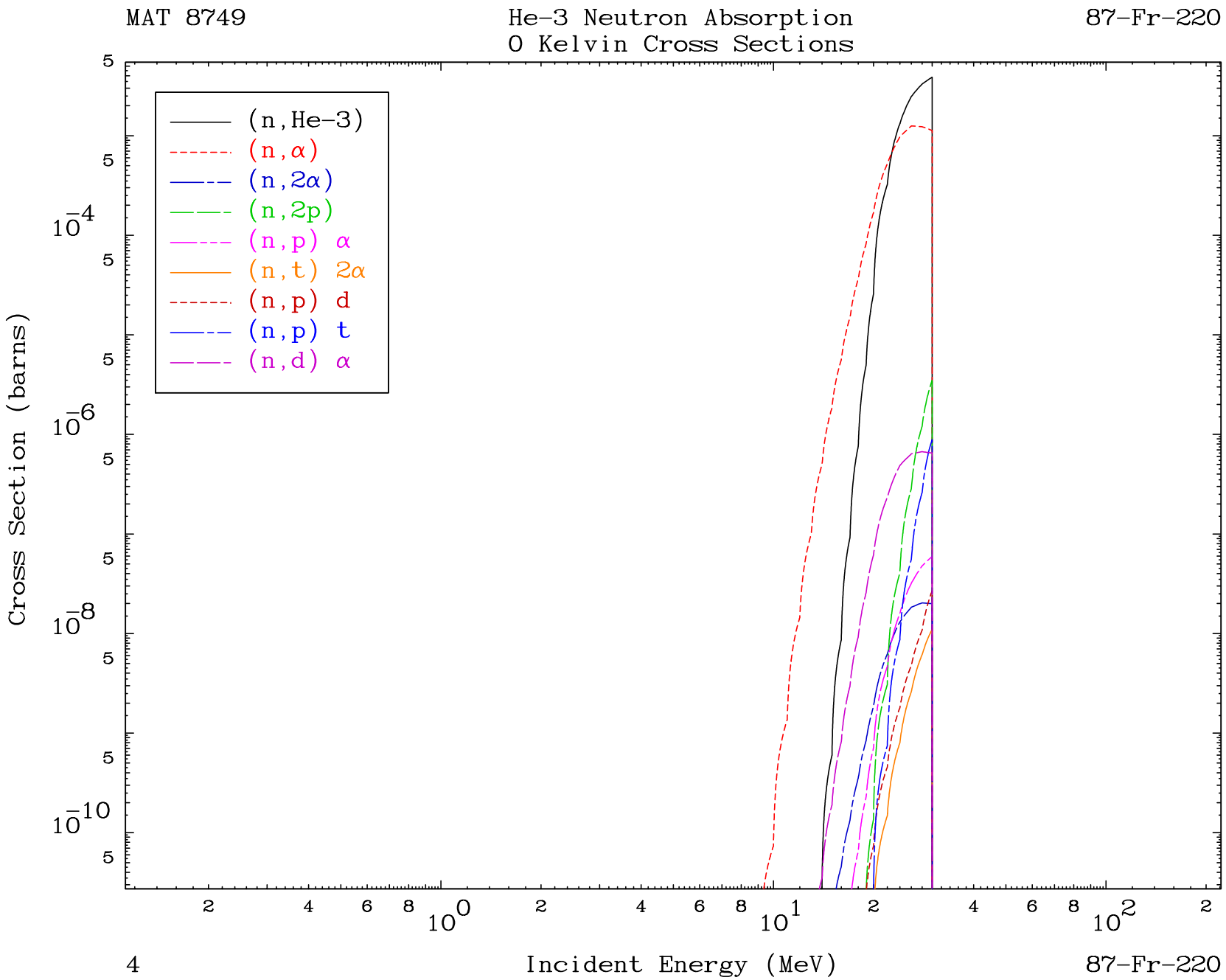
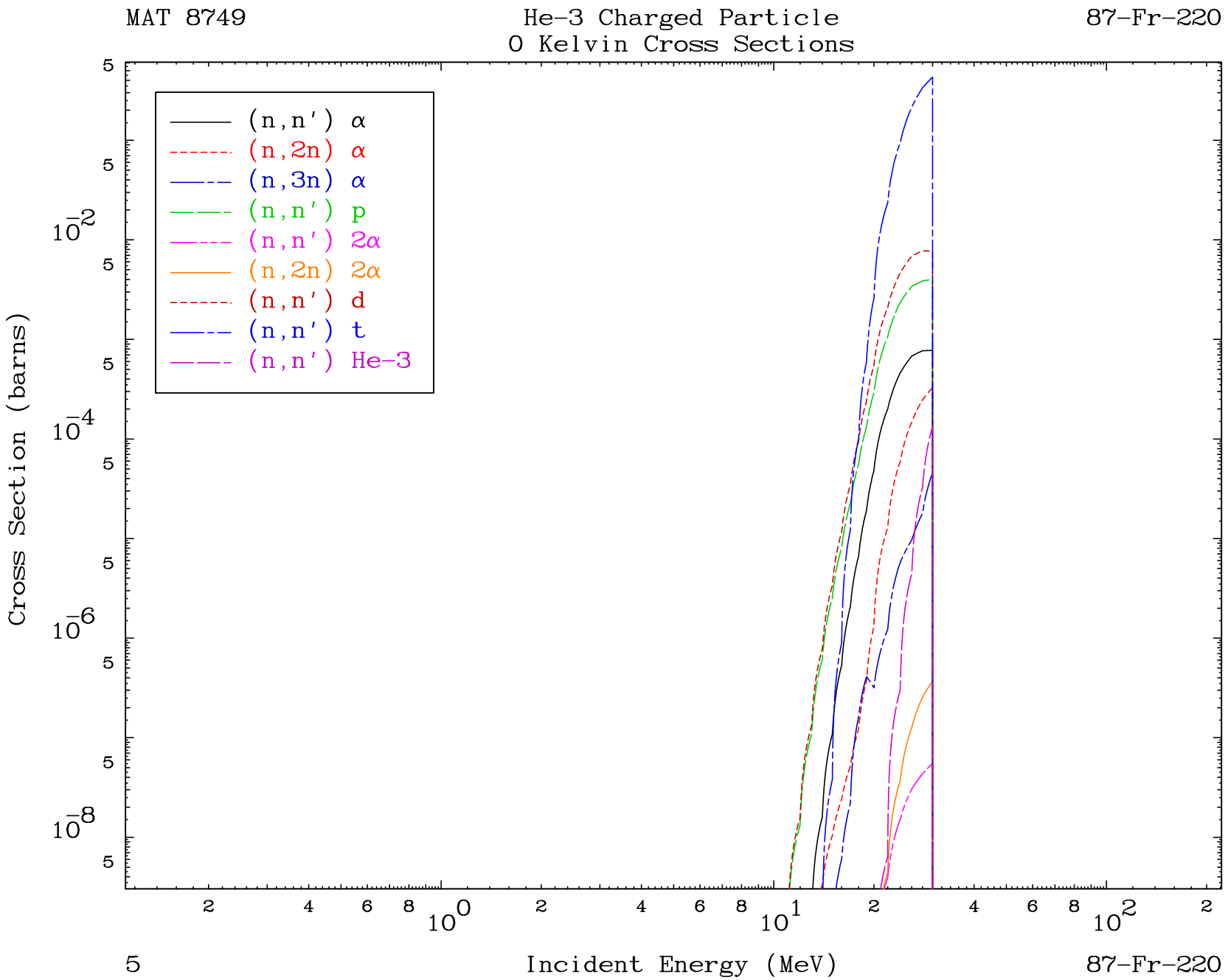
Press Mouse Button to Start

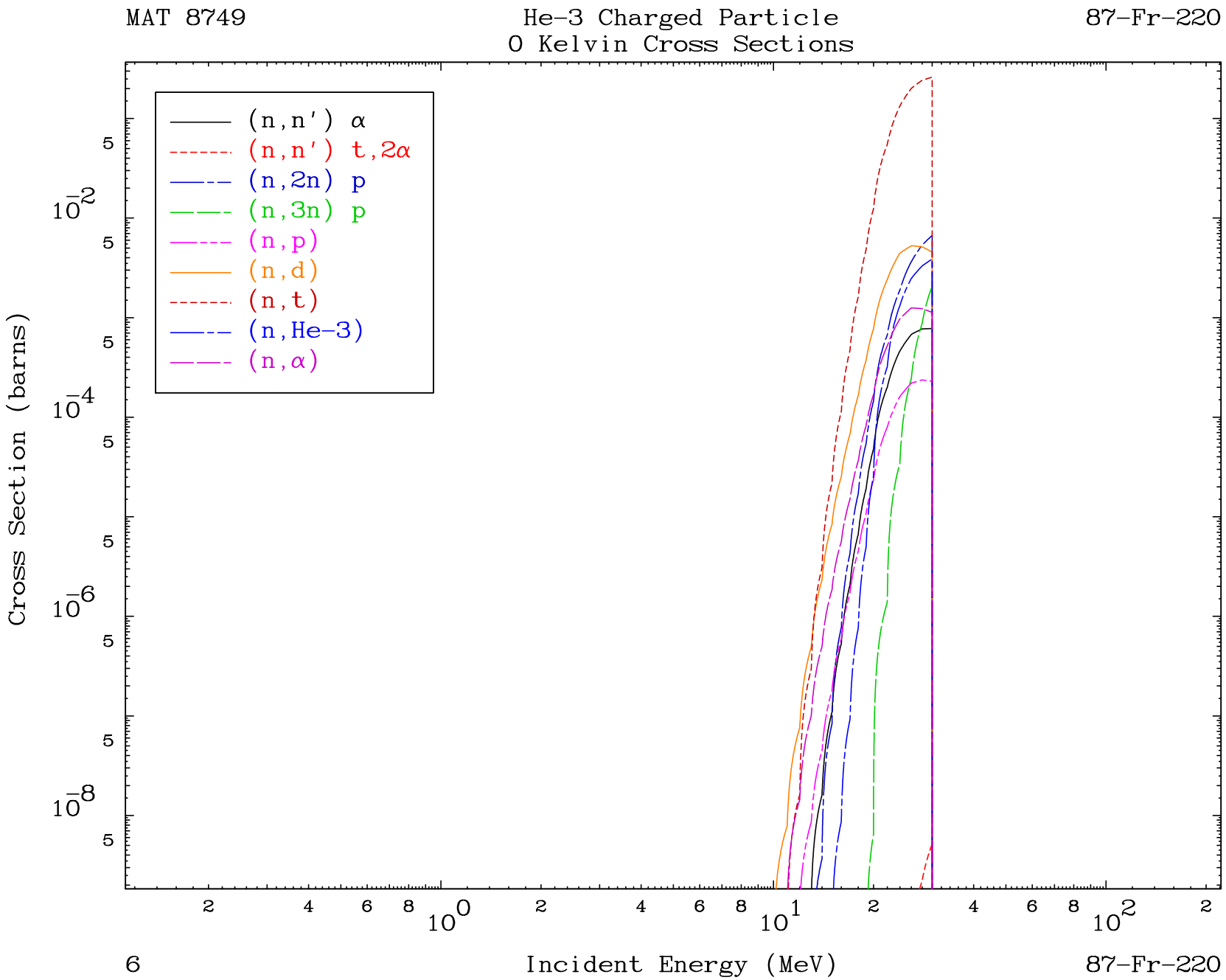

MAT 8749
He-3 Major
87-Fr-220
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Cross Section (barns)
Incident Energy (MeV)
87-Fr-220
1

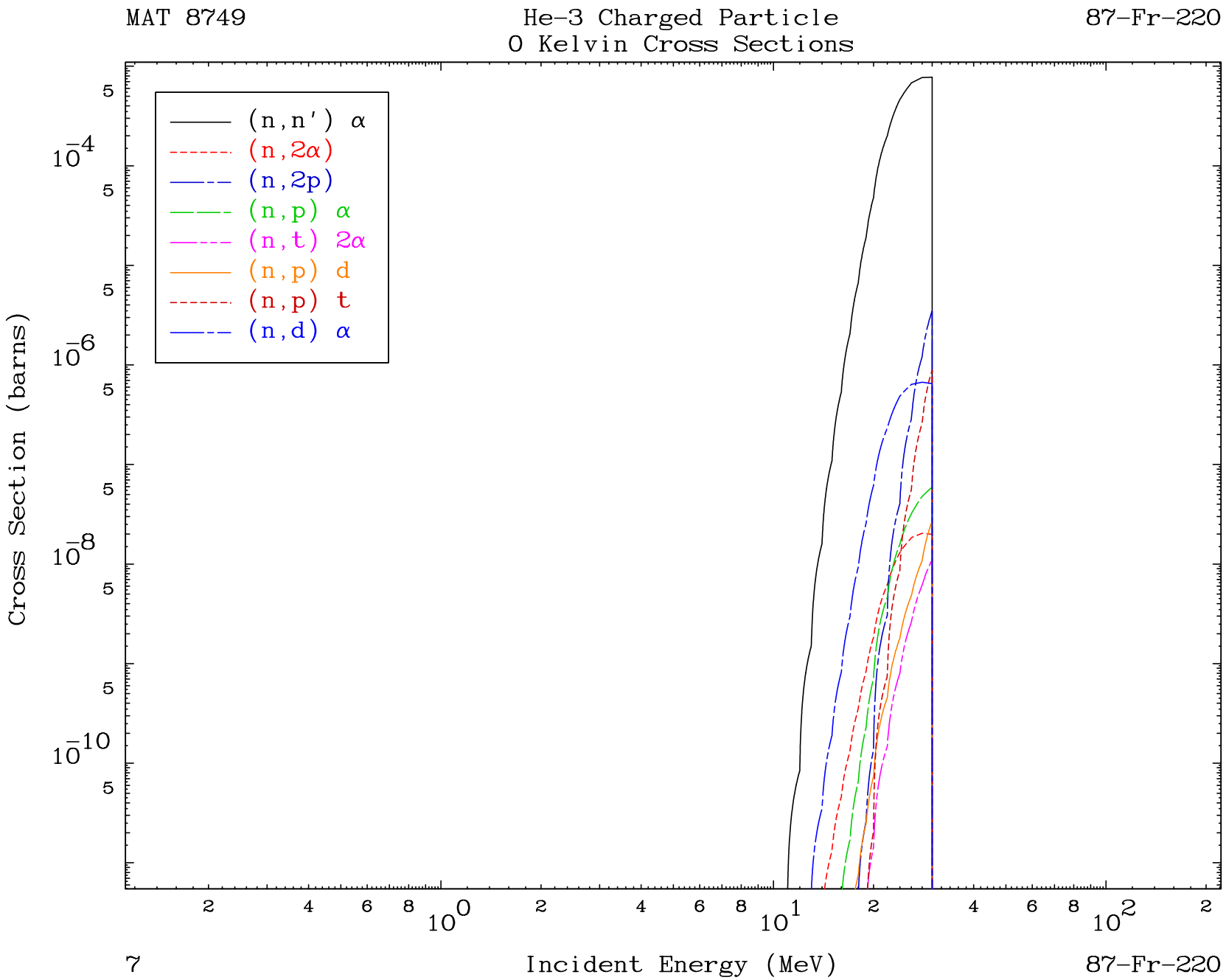

MAT 8749
He-3 Neutron Absorption
0 Kelvin Cross Sections
87-Fr-220
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
87-Fr-220

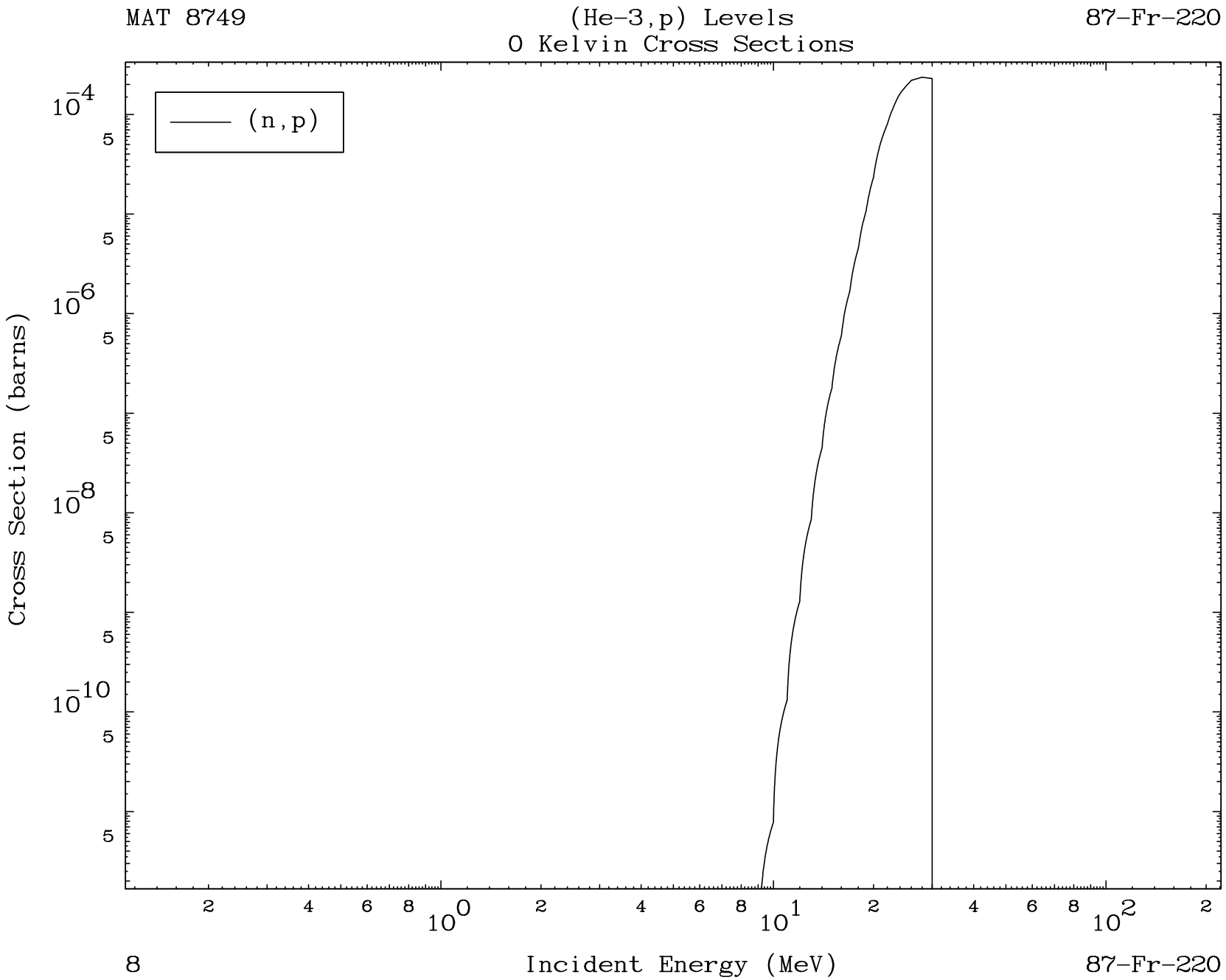

MAT 8749
He-3 Neutron Absorption
0 Kelvin Cross Sections
87-Fr-220
(n,n') He-3
(n,n') t,2α
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
87-Fr-220

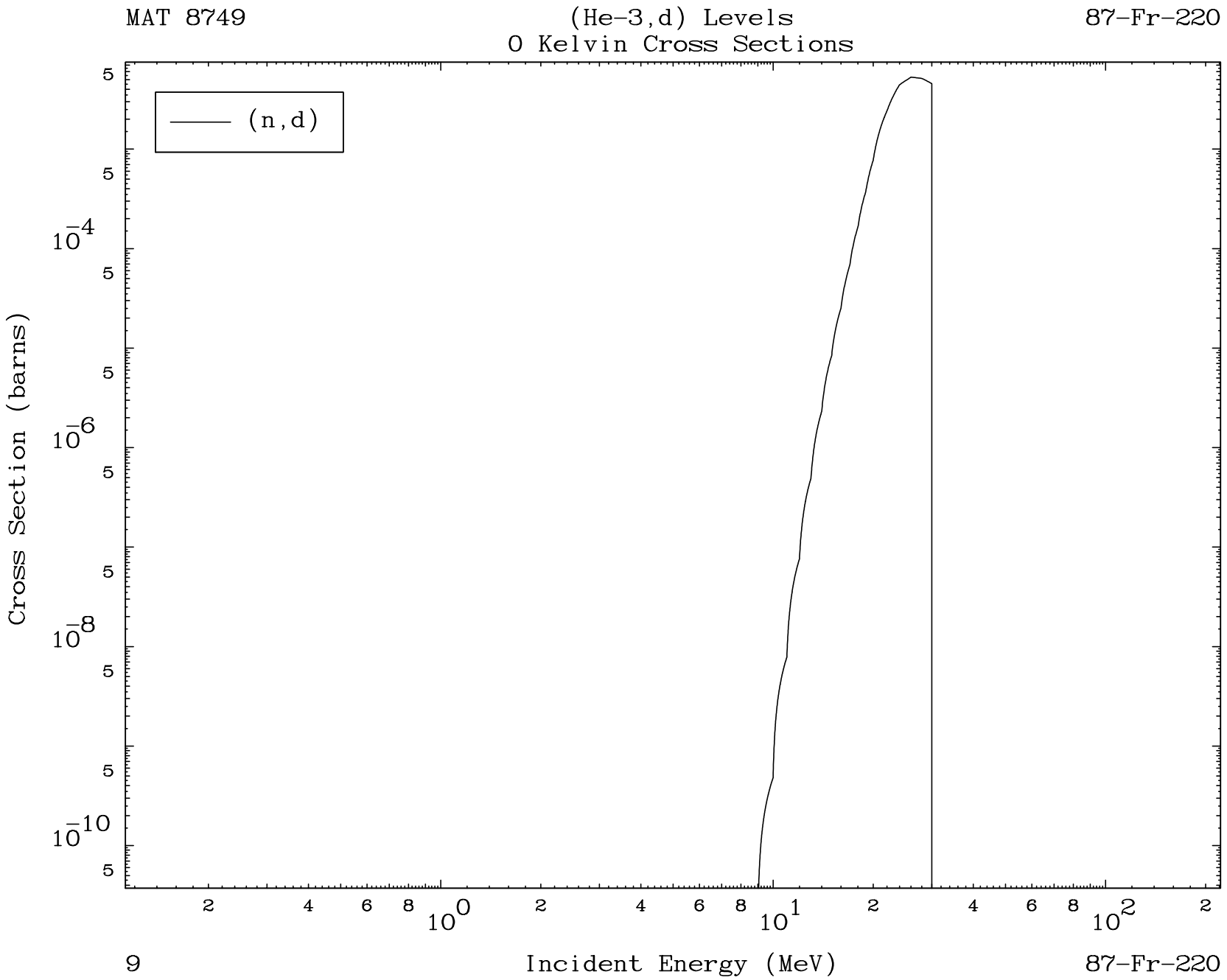

MAT 8749
He-3 Neutron Absorption
0 Kelvin Cross Sections
87-Fr-220
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,t) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
87-Fr-220

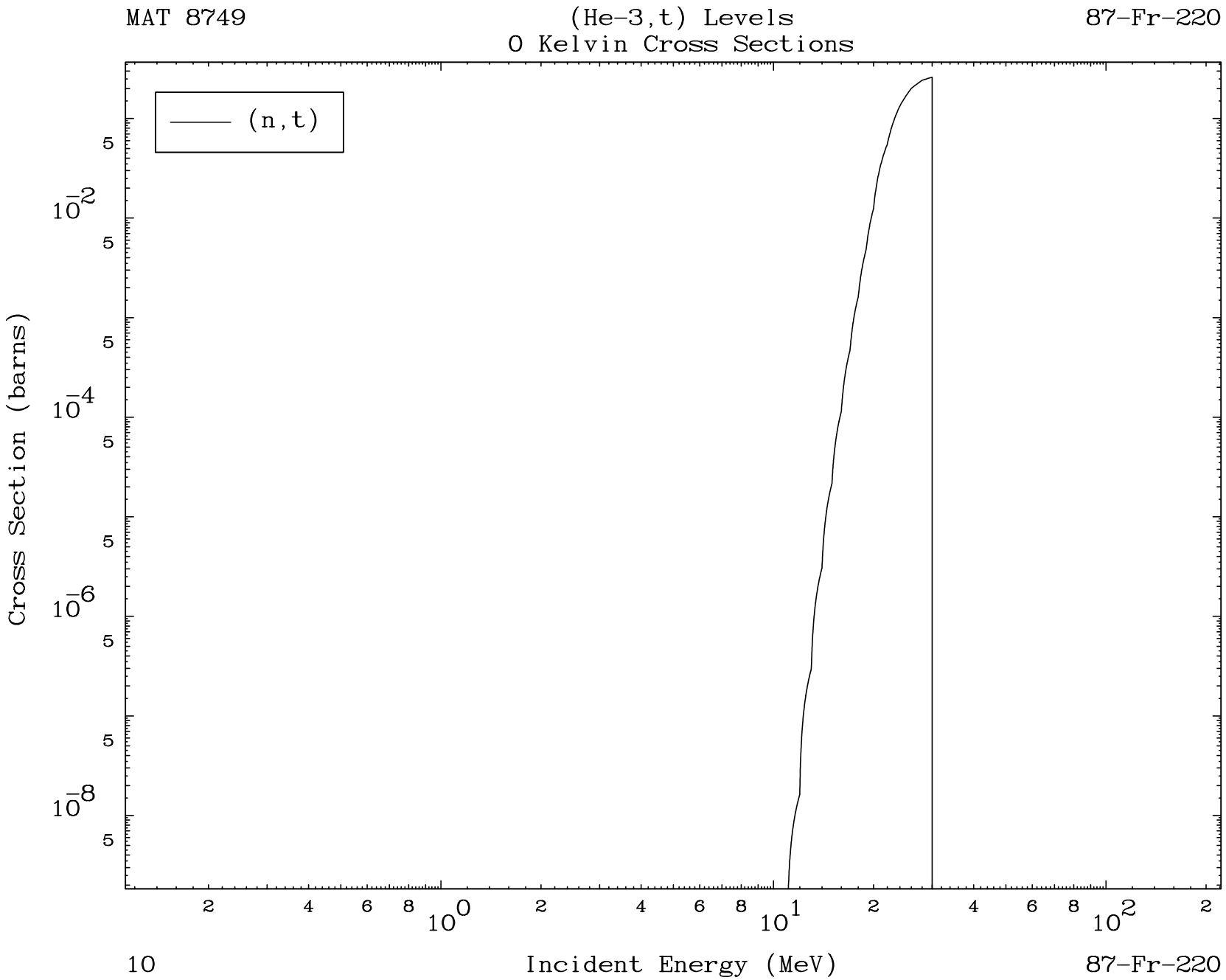

MAT 8749
He-3 Charged Particle
0 Kelvin Cross Sections
87-Fr-220
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
87-Fr-220

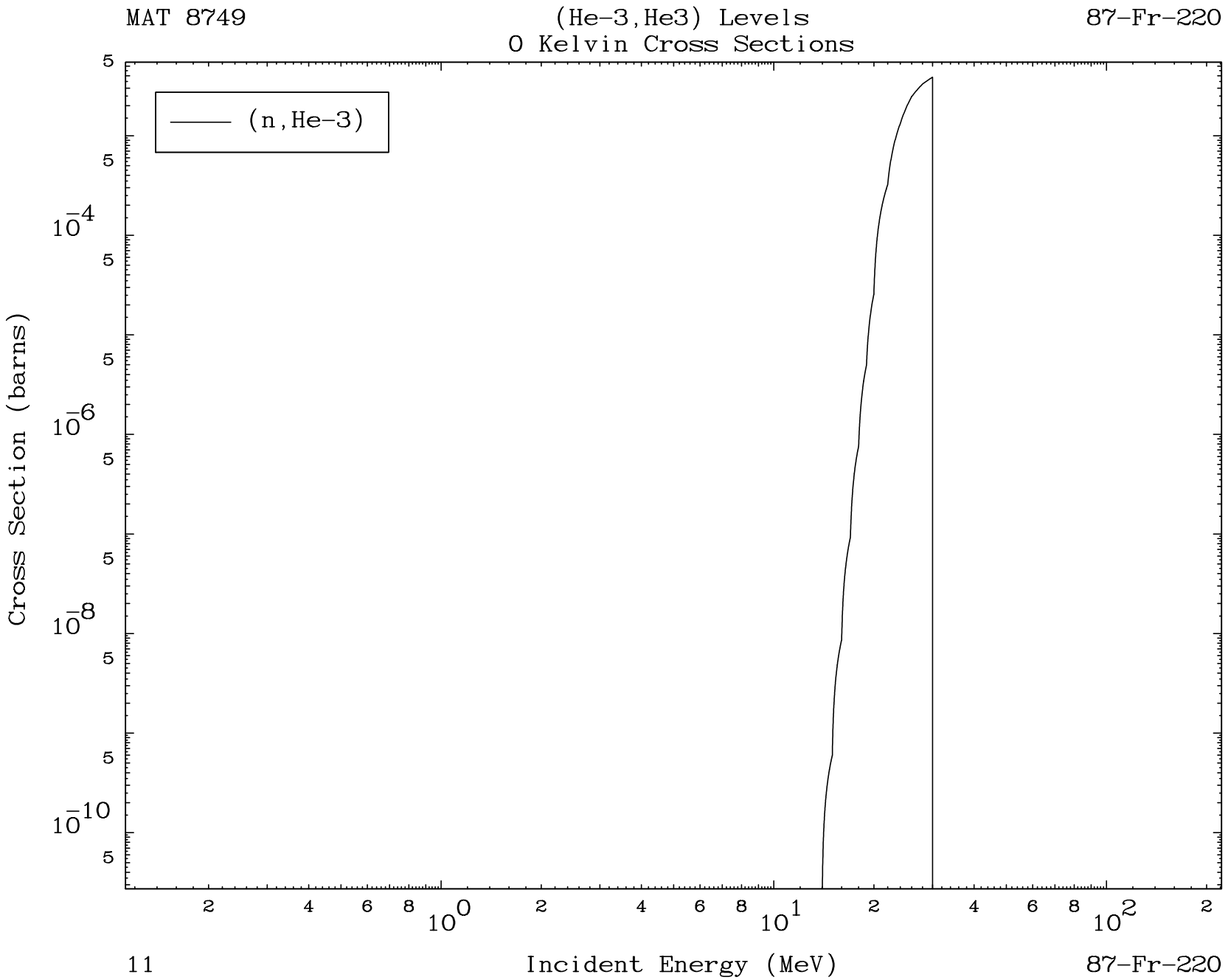

MAT 8749
He-3 Charged Particle
0 Kelvin Cross Sections
87-Fr-220
(n,n') α
(n,n') t,2α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
6
87-Fr-220

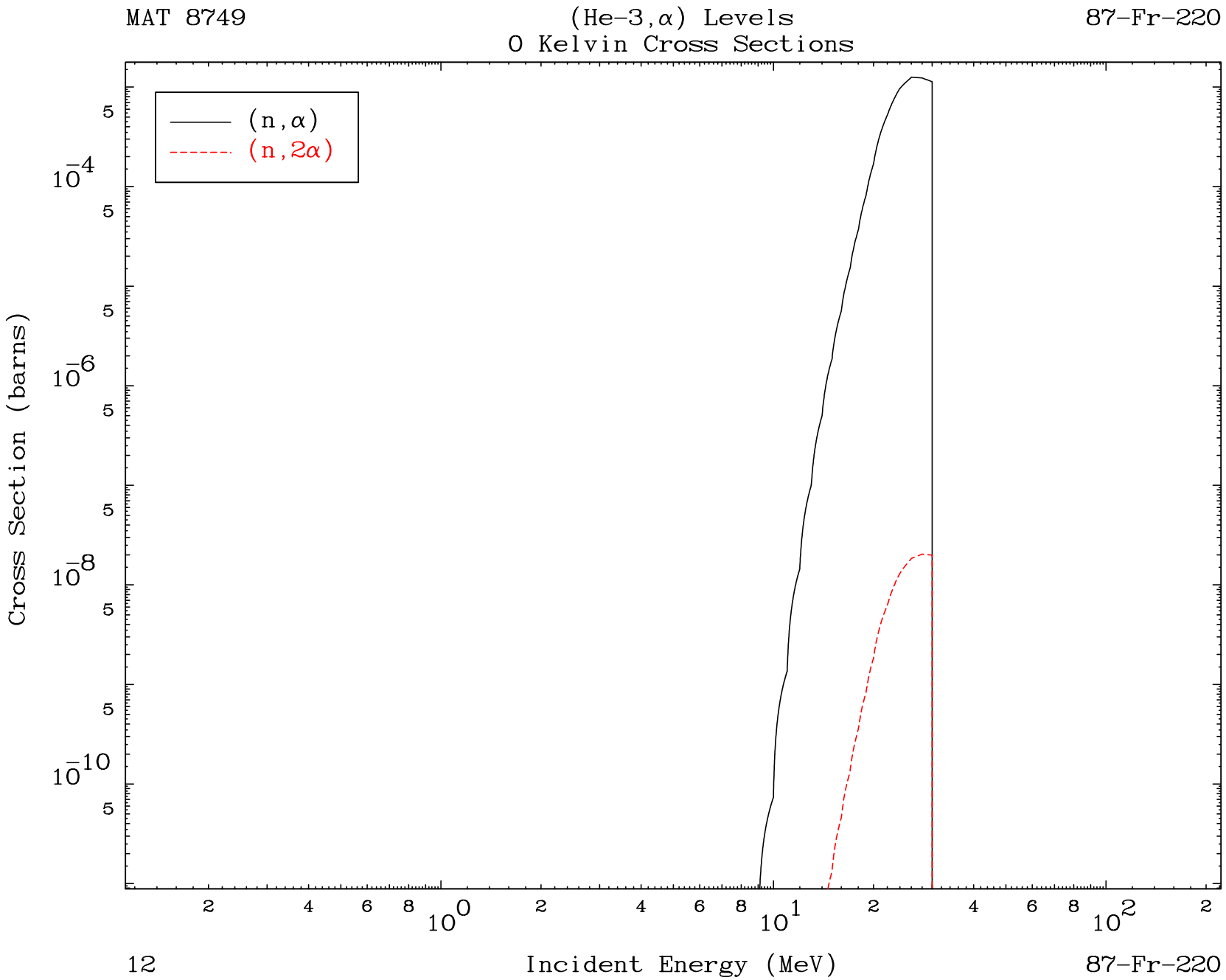

MAT 8749
He-3 Charged Particle
0 Kelvin Cross Sections
87-Fr-220
(n,n') α
(n,2α)
(n,2p)
(n,p) α
(n,t) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
87-Fr-220

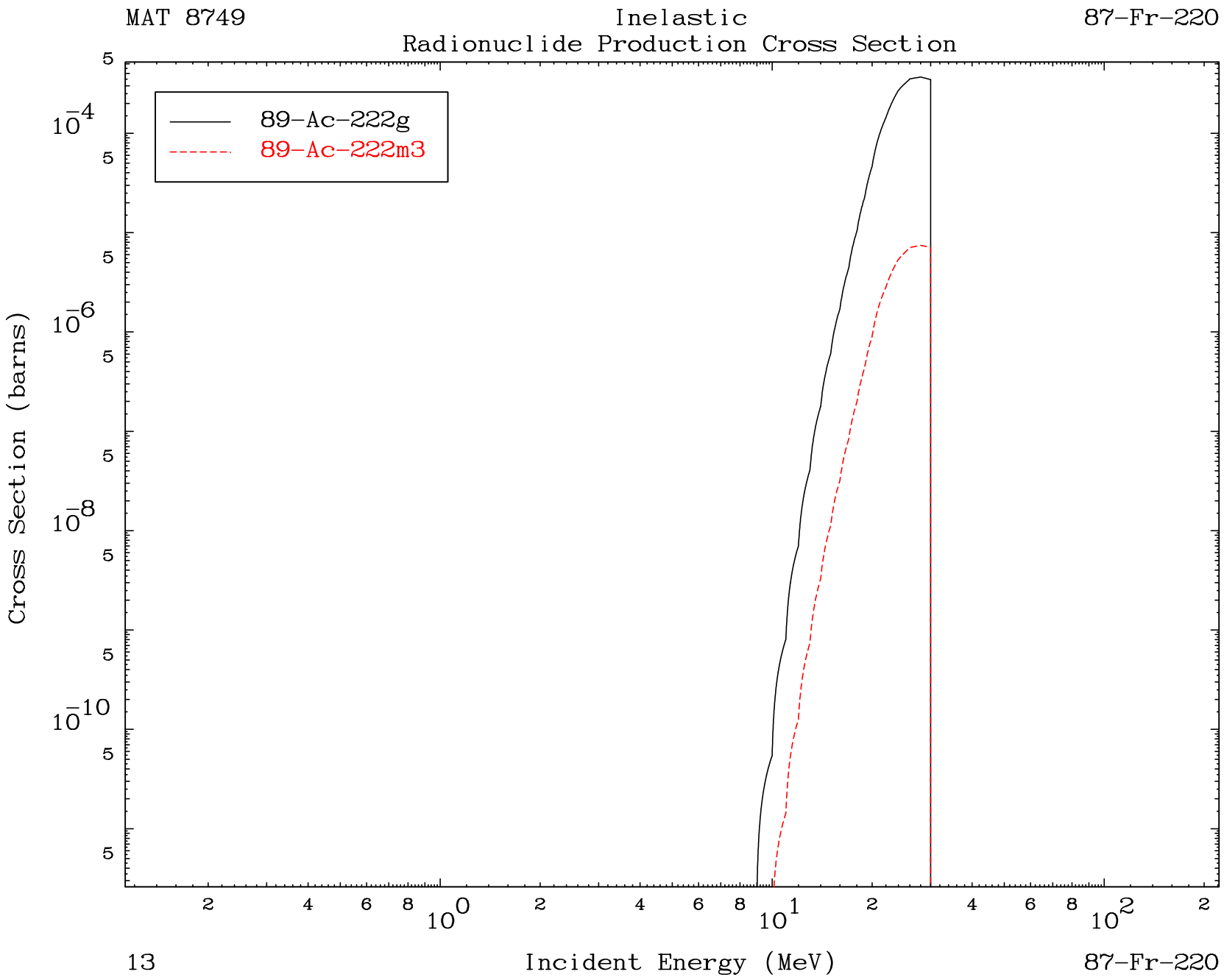

MAT 8749
(He-3,p) Levels
87-Fr-220
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
100
101
102
8
87-Fr-220

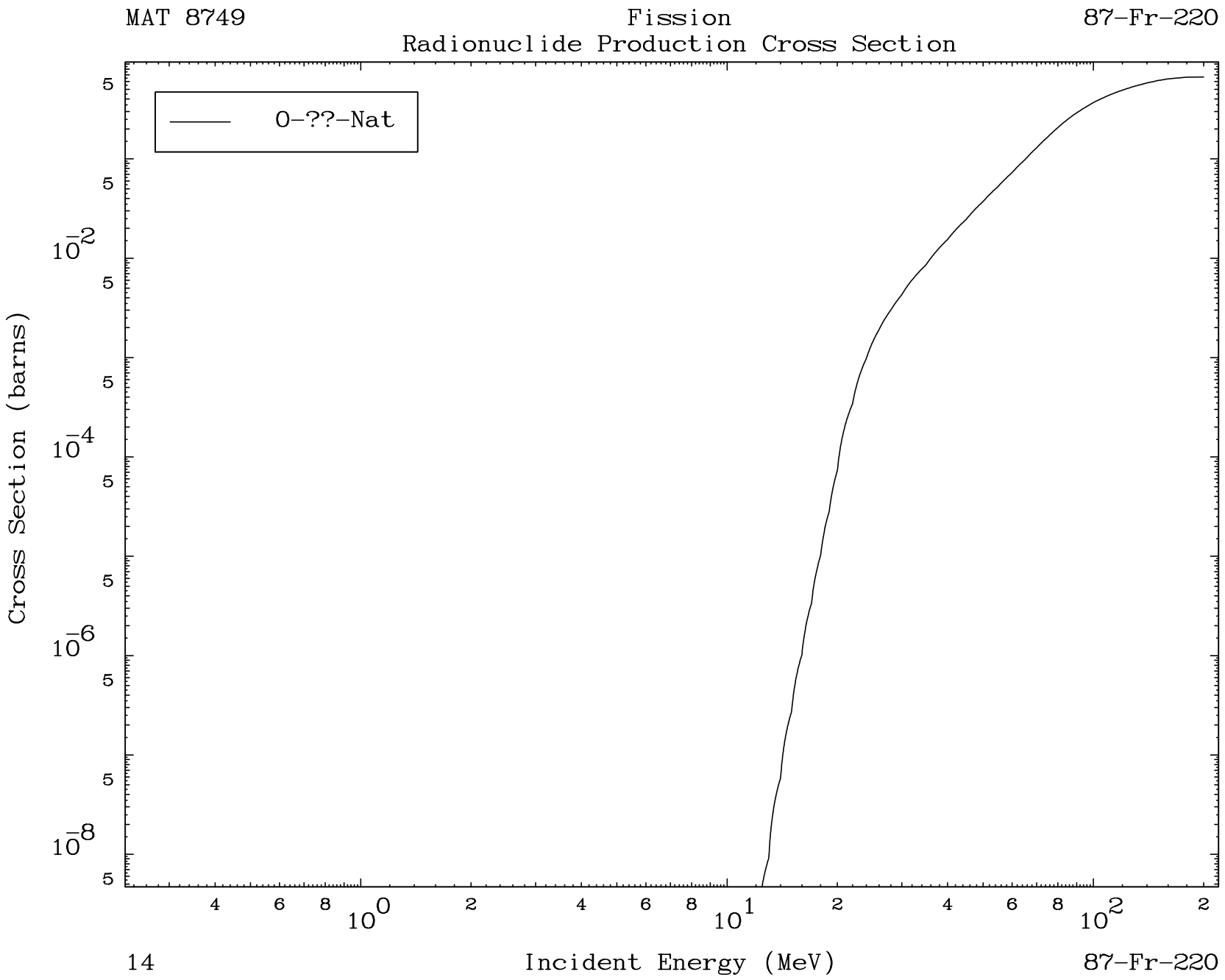

MAT 8749
(He-3,d) Levels
87-Fr-220
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
87-Fr-220

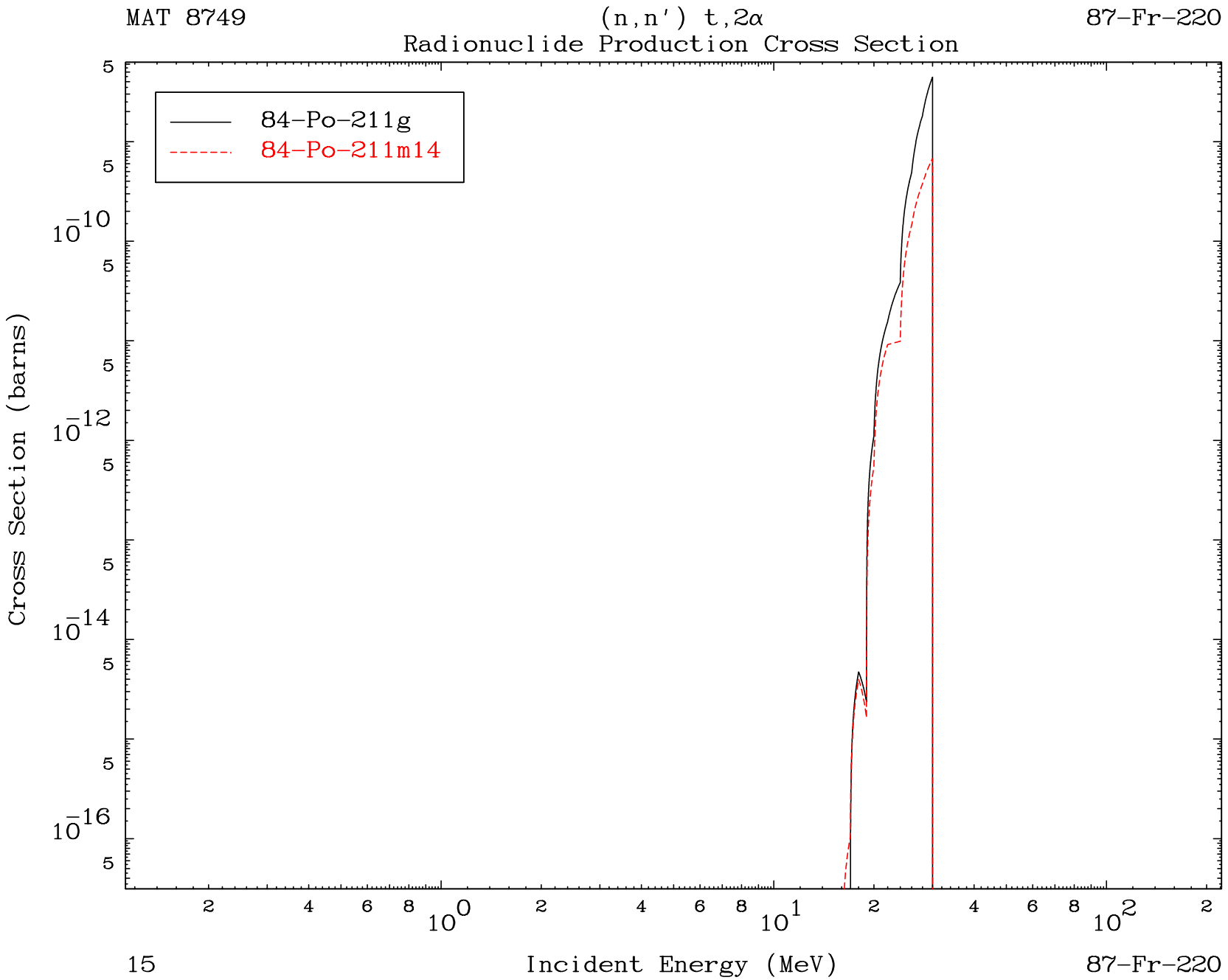

MAT 8749
(He-3,t) Levels
87-Fr-220
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
10
Incident Energy (MeV)
87-Fr-220

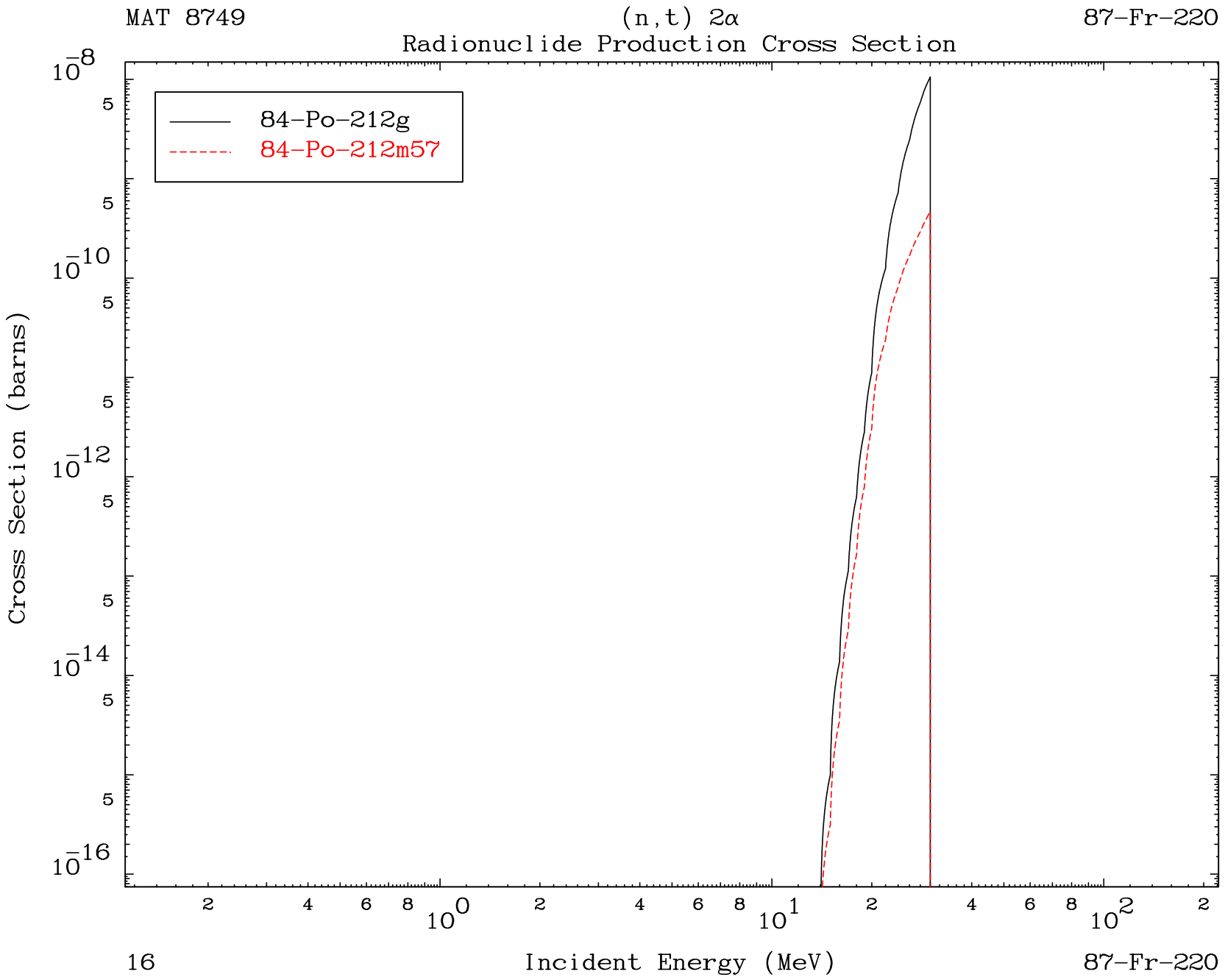

MAT 8749
(He-3,He3) Levels
87-Fr-220
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
87-Fr-220


MAT 8749
(He-3,α) Levels
0 Kelvin Cross Sections
87-Fr-220
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
12
87-Fr-220


MAT 8749
Inelastic
87-Fr-220
Radionuclide Production Cross Section
89-Ac-222g
89-Ac-222m3
Cross Section (barns)
Incident Energy (MeV)
13
87-Fr-220


MAT 8749
Fission
87-Fr-220
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
14
87-Fr-220


MAT 8749
(n,n') t,2α
87-Fr-220
Radionuclide Production Cross Section
84-Po-211g
84-Po-211m14
Cross Section (barns)
Incident Energy (MeV)
15
87-Fr-220


MAT 8749
(n,t) 2α
87-Fr-220
Radionuclide Production Cross Section
84-Po-212g
84-Po-212m57
Cross Section (barns)
Incident Energy (MeV)
16
87-Fr-220