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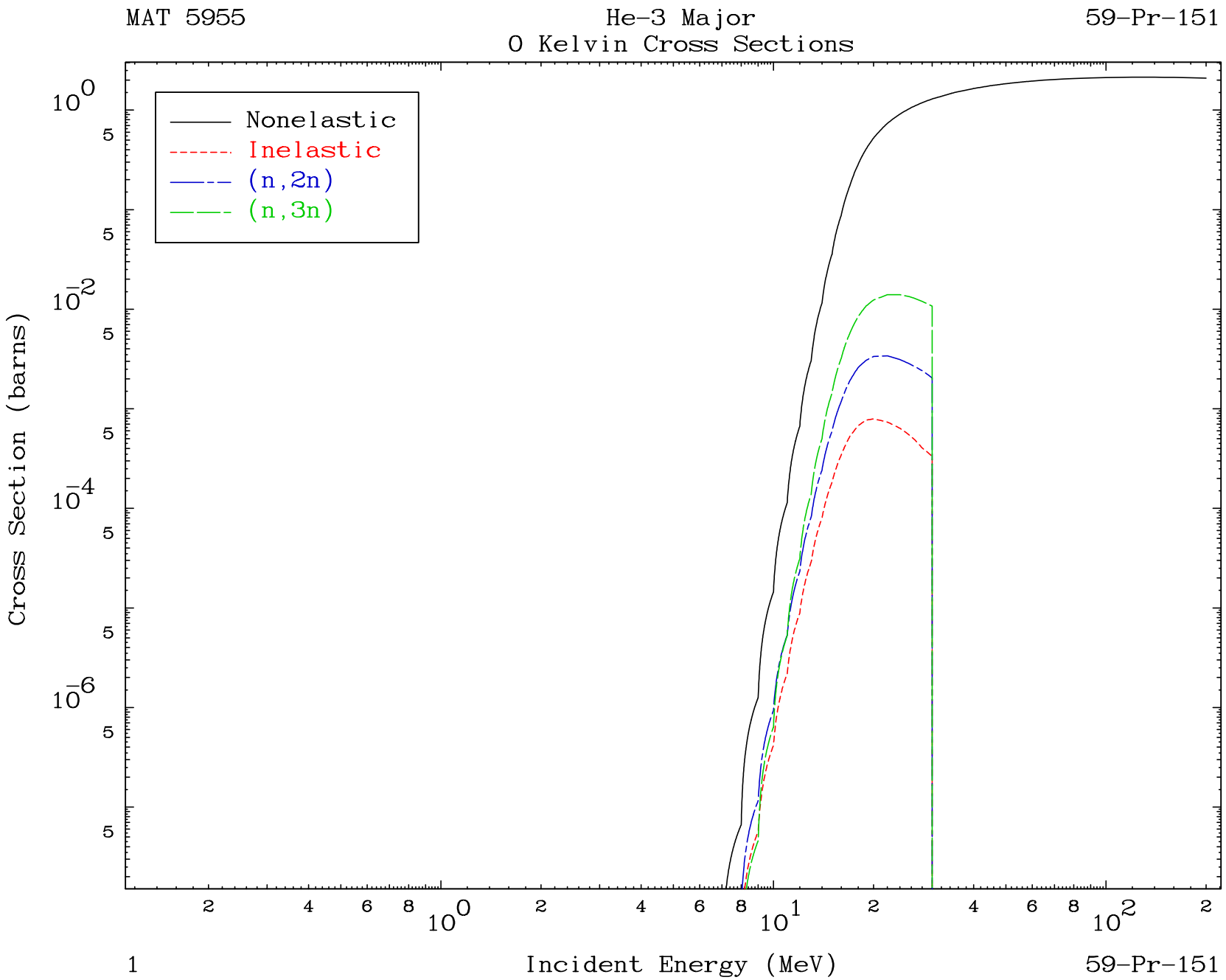
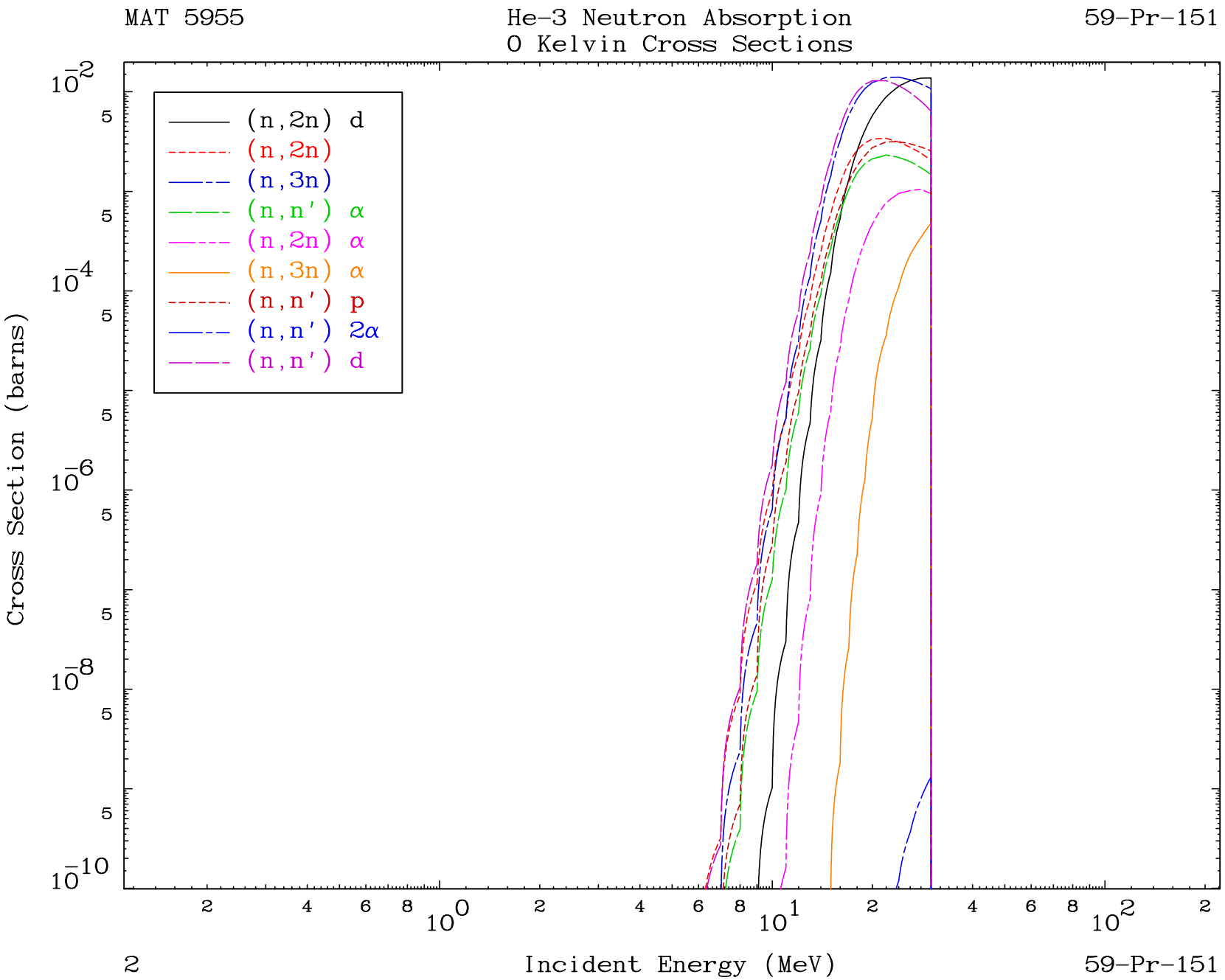
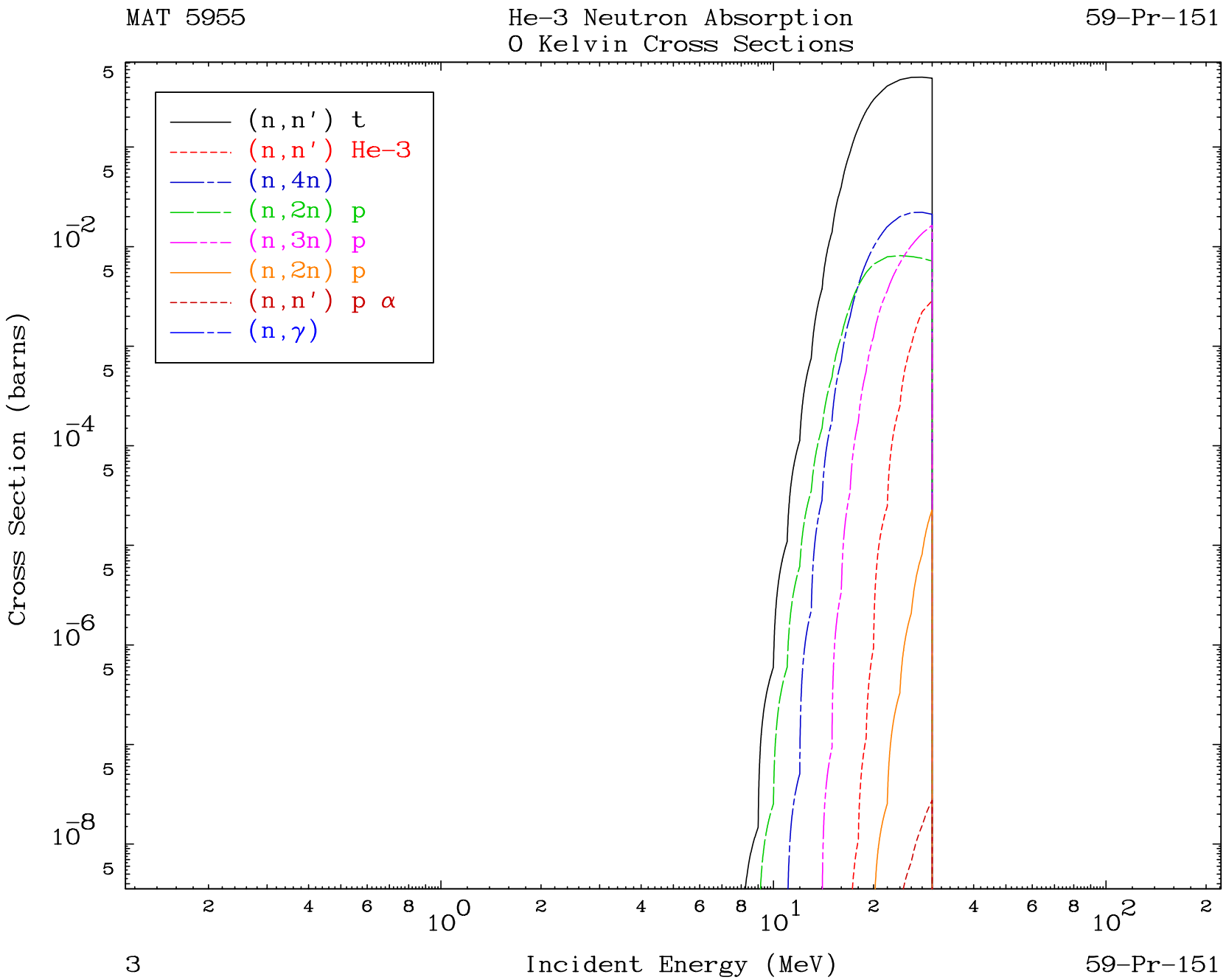
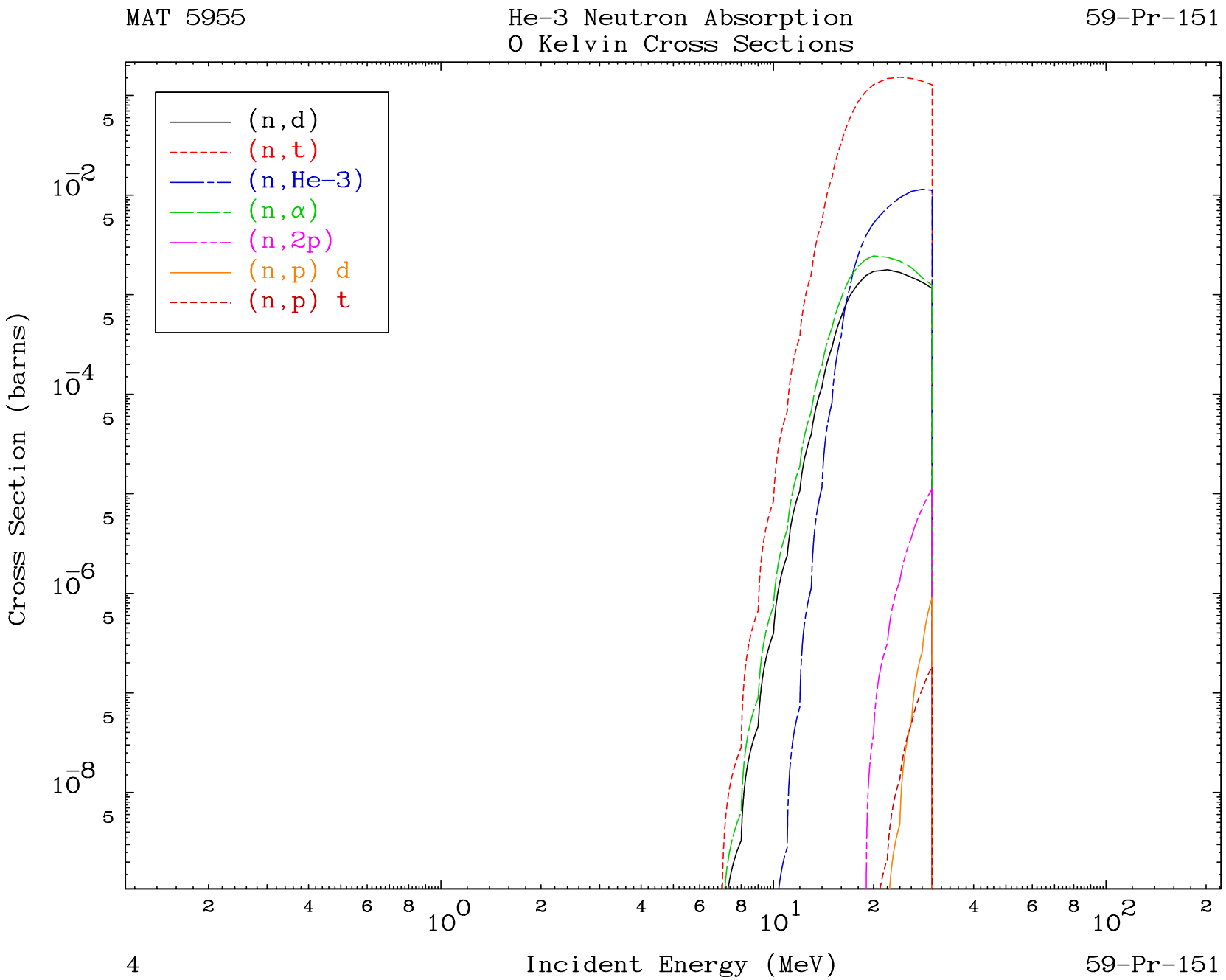
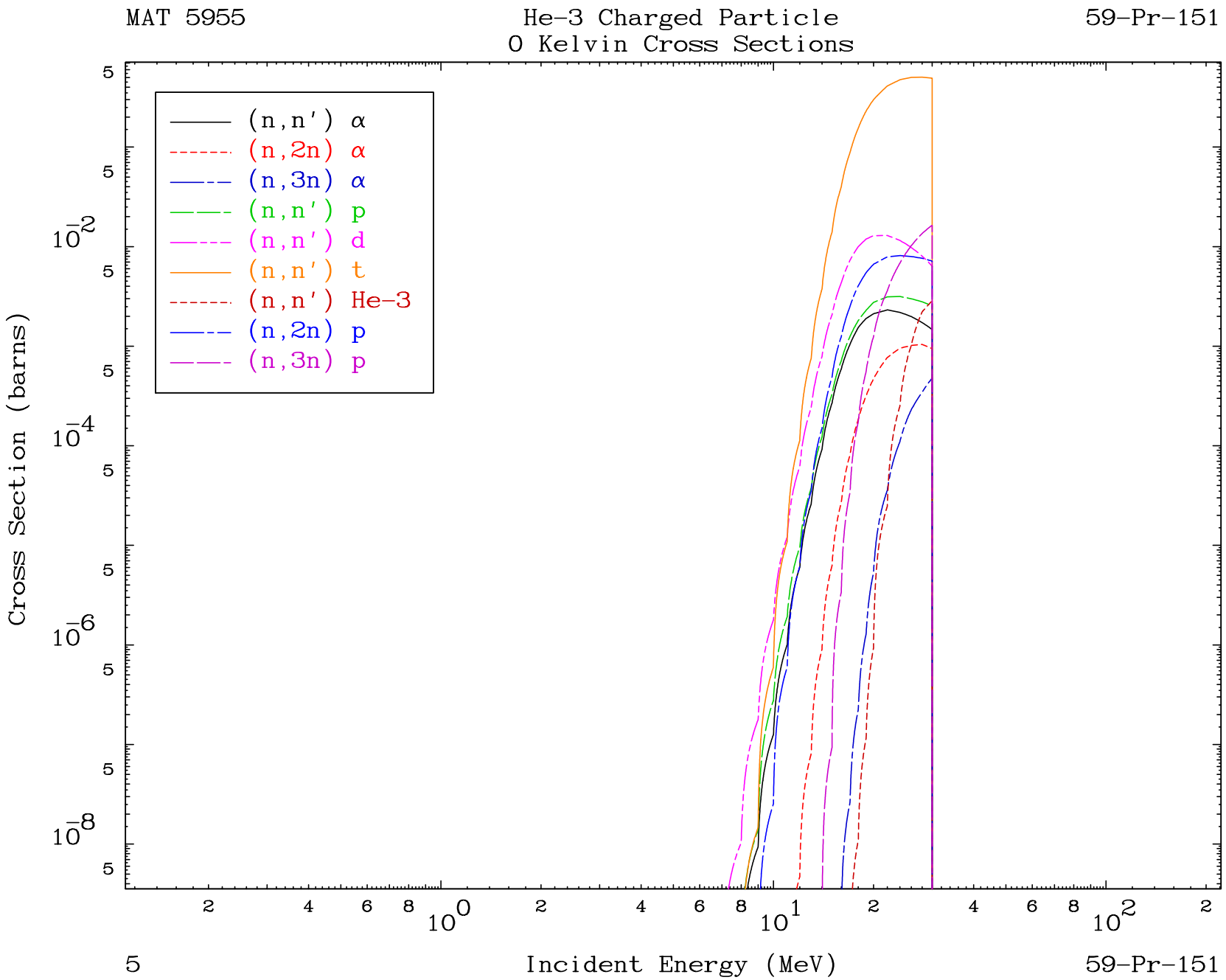
Press Mouse Button to Start

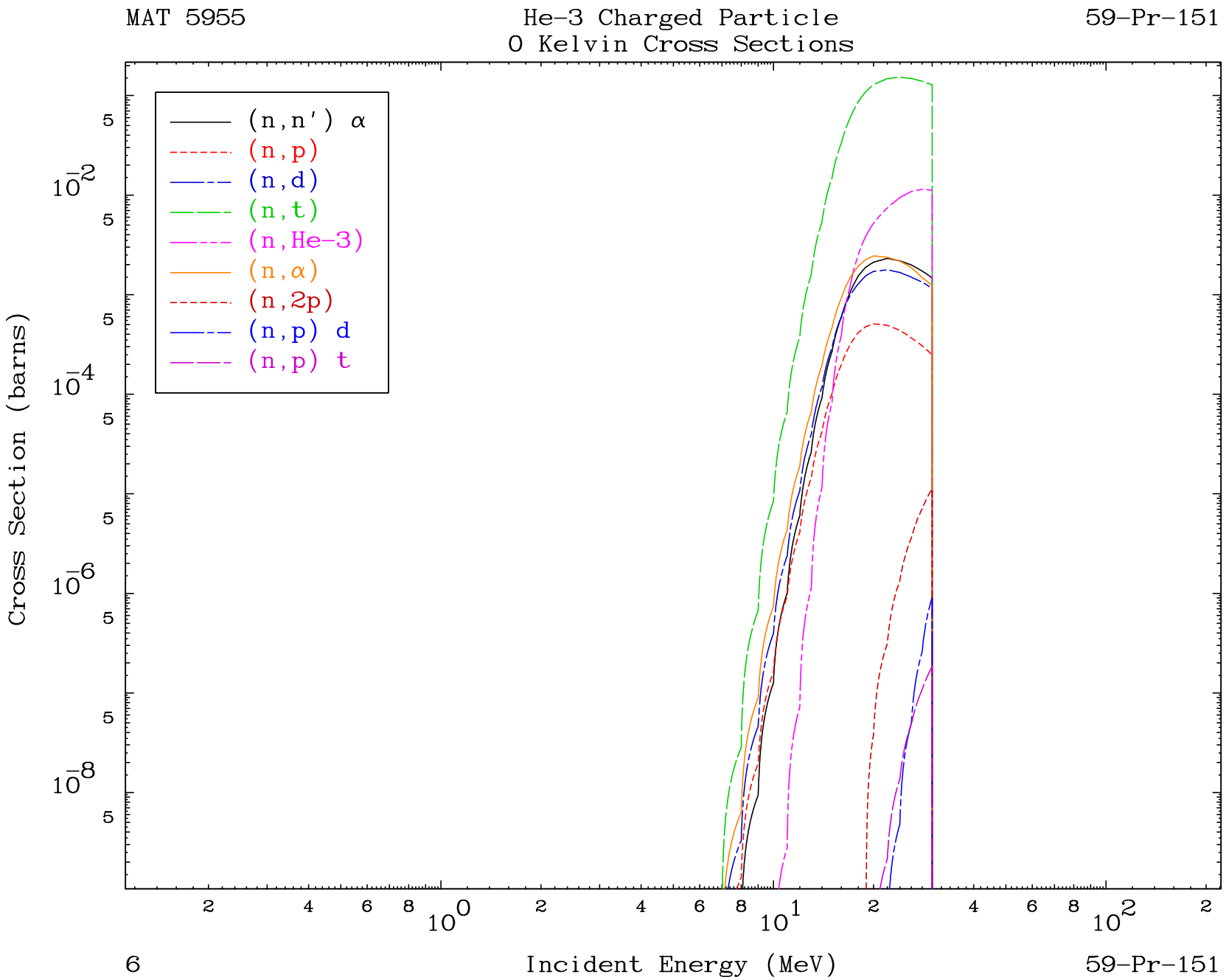

MAT 5955
He-3 Major
59-Pr-151
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-151
1

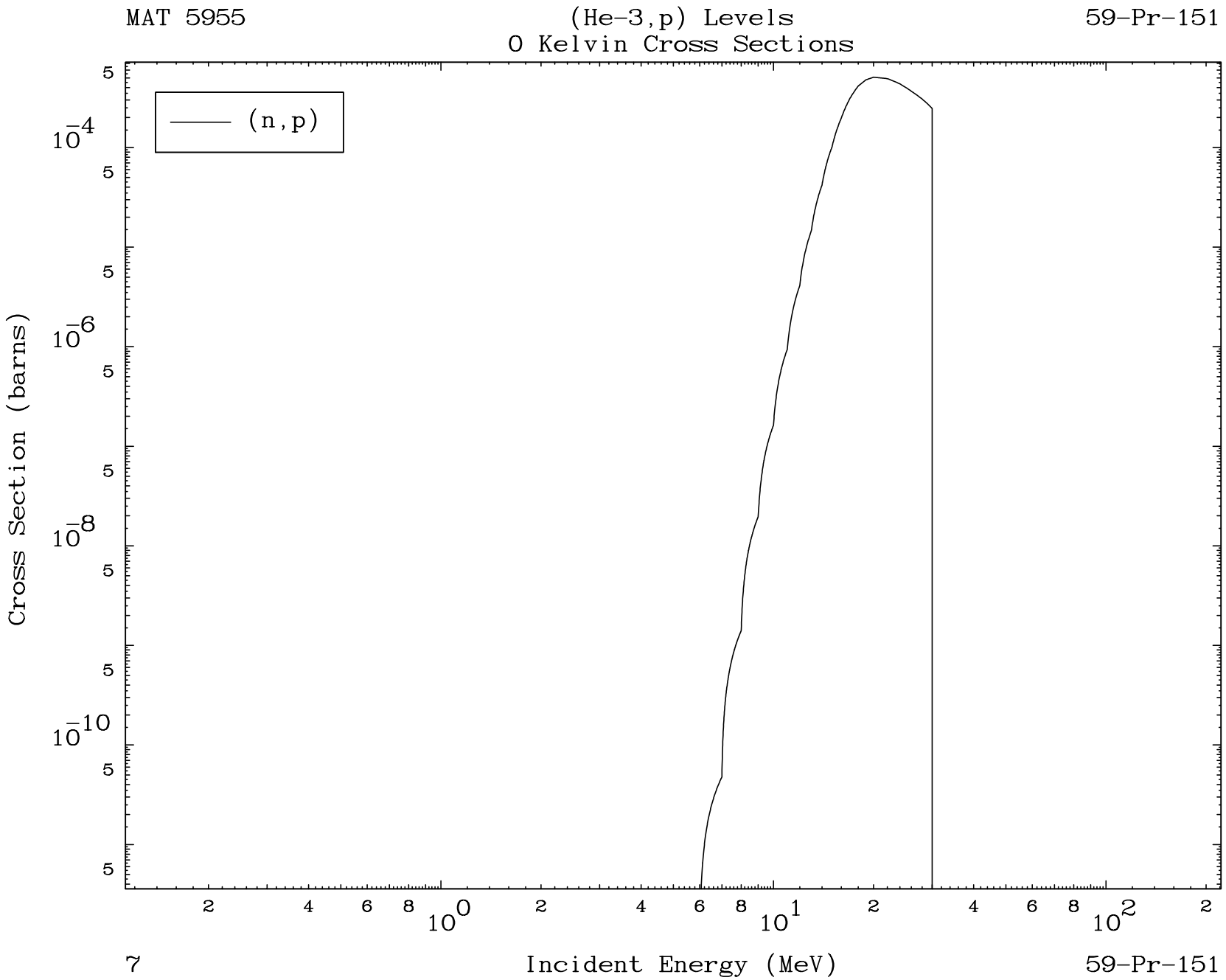

MAT 5955
He-3 Neutron Absorption
0 Kelvin Cross Sections
59-Pr-151
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
2
59-Pr-151

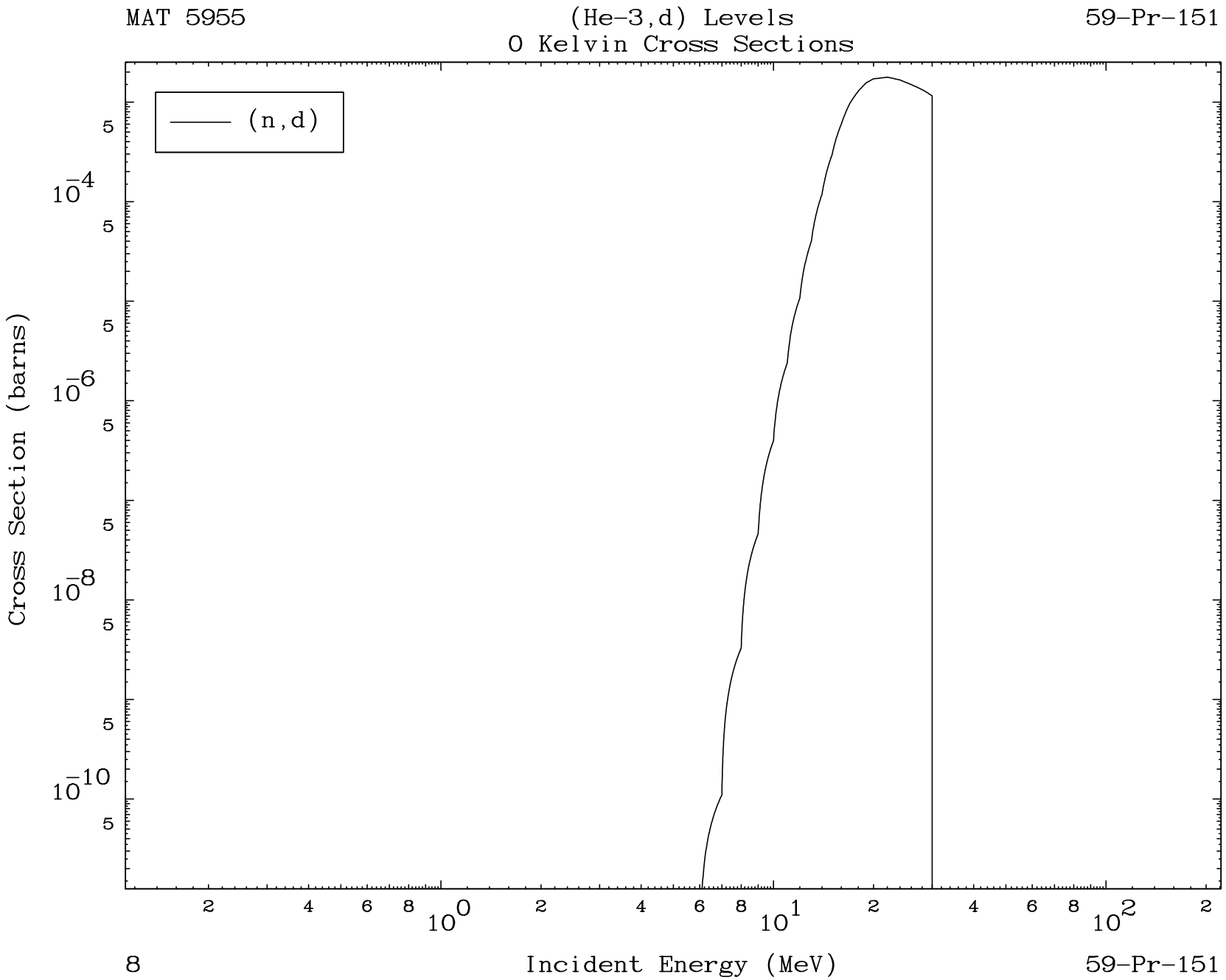

MAT 5955
He-3 Neutron Absorption
0 Kelvin Cross Sections
59-Pr-151
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
3
59-Pr-151

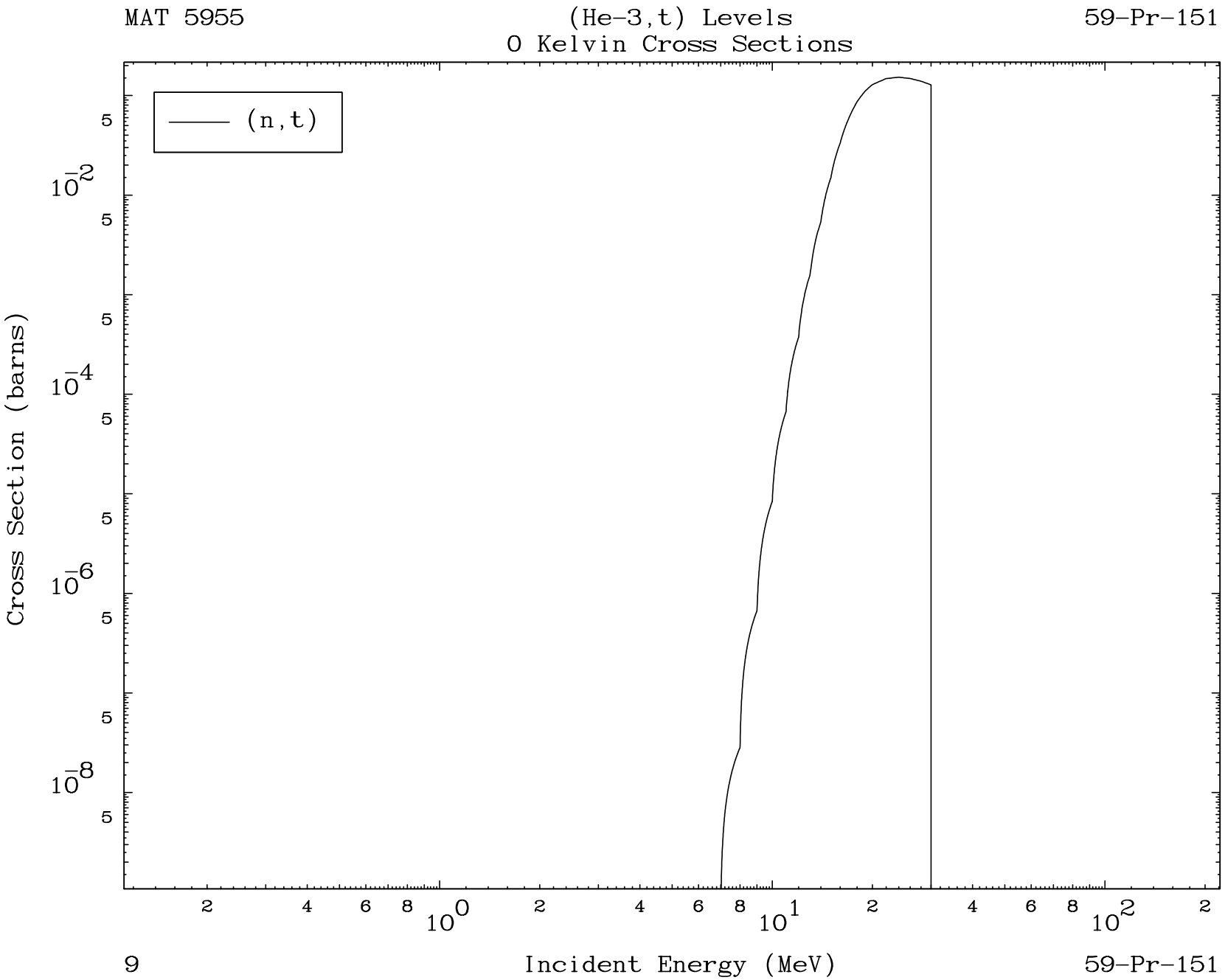

MAT 5955
He-3 Neutron Absorption
0 Kelvin Cross Sections
59-Pr-151
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
4
59-Pr-151

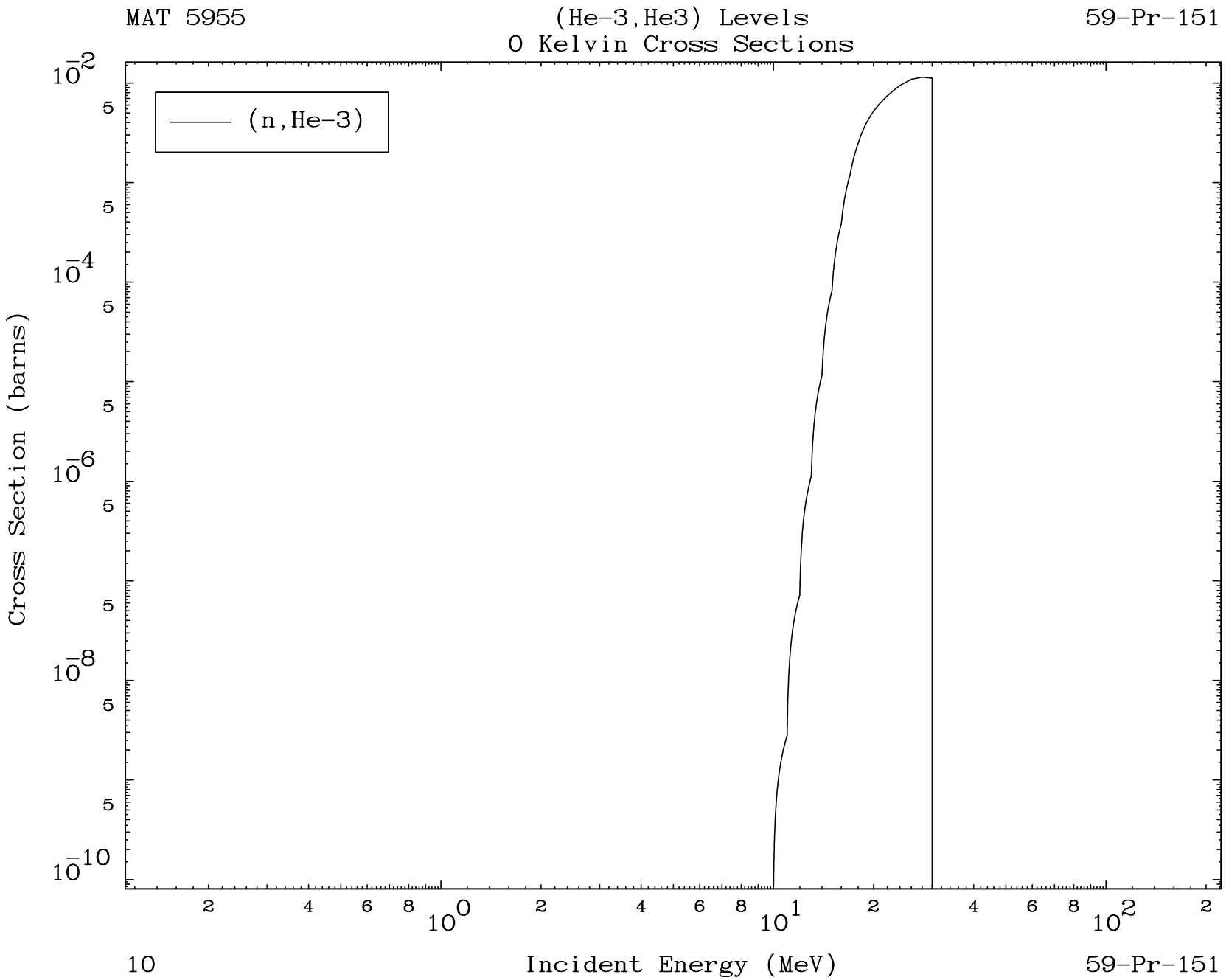

MAT 5955
He-3 Charged Particle
0 Kelvin Cross Sections
59-Pr-151
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
59-Pr-151

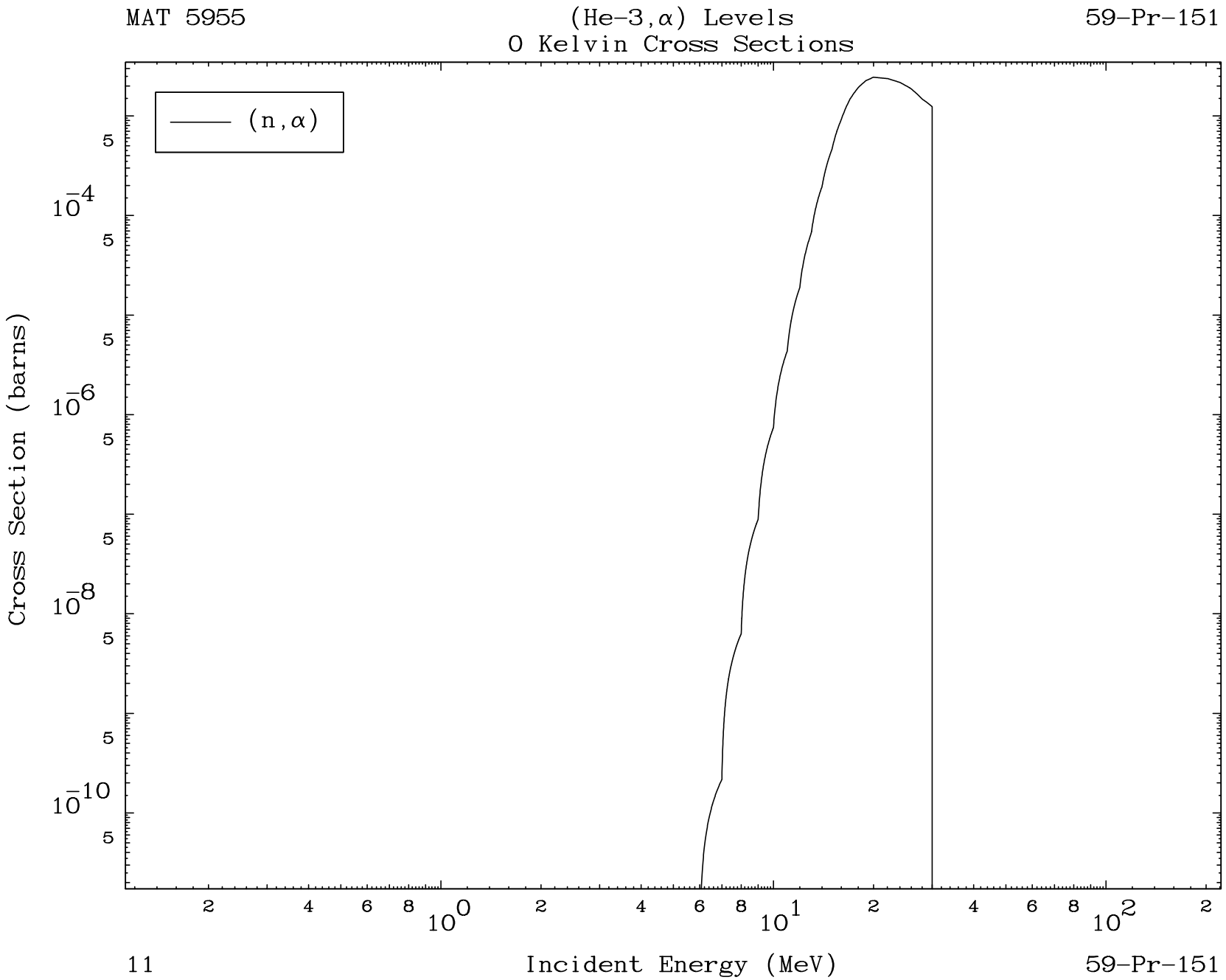

MAT 5955
He-3 Charged Particle
0 Kelvin Cross Sections
59-Pr-151
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
6
59-Pr-151

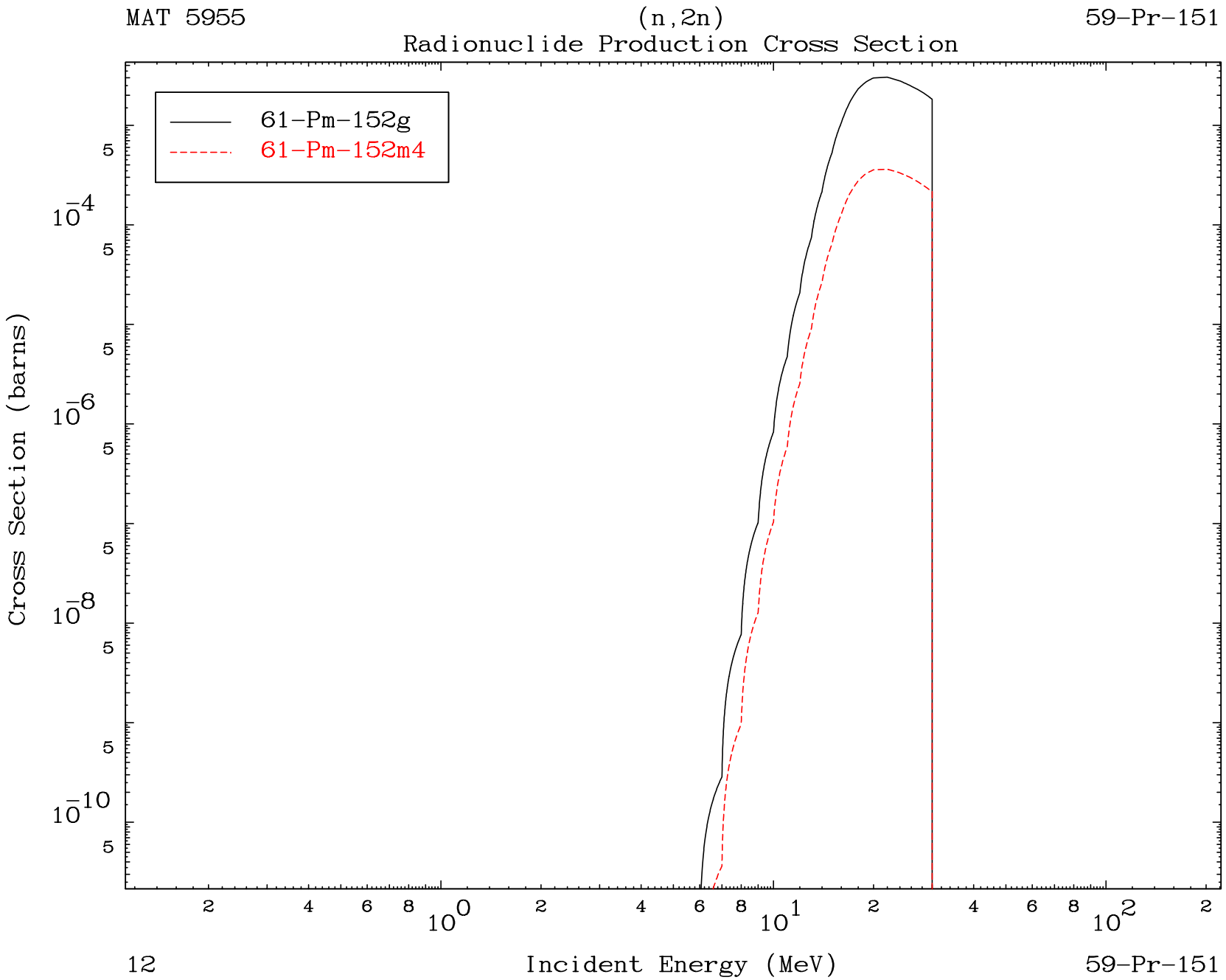

MAT 5955
(He-3,p) Levels
59-Pr-151
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
7
59-Pr-151

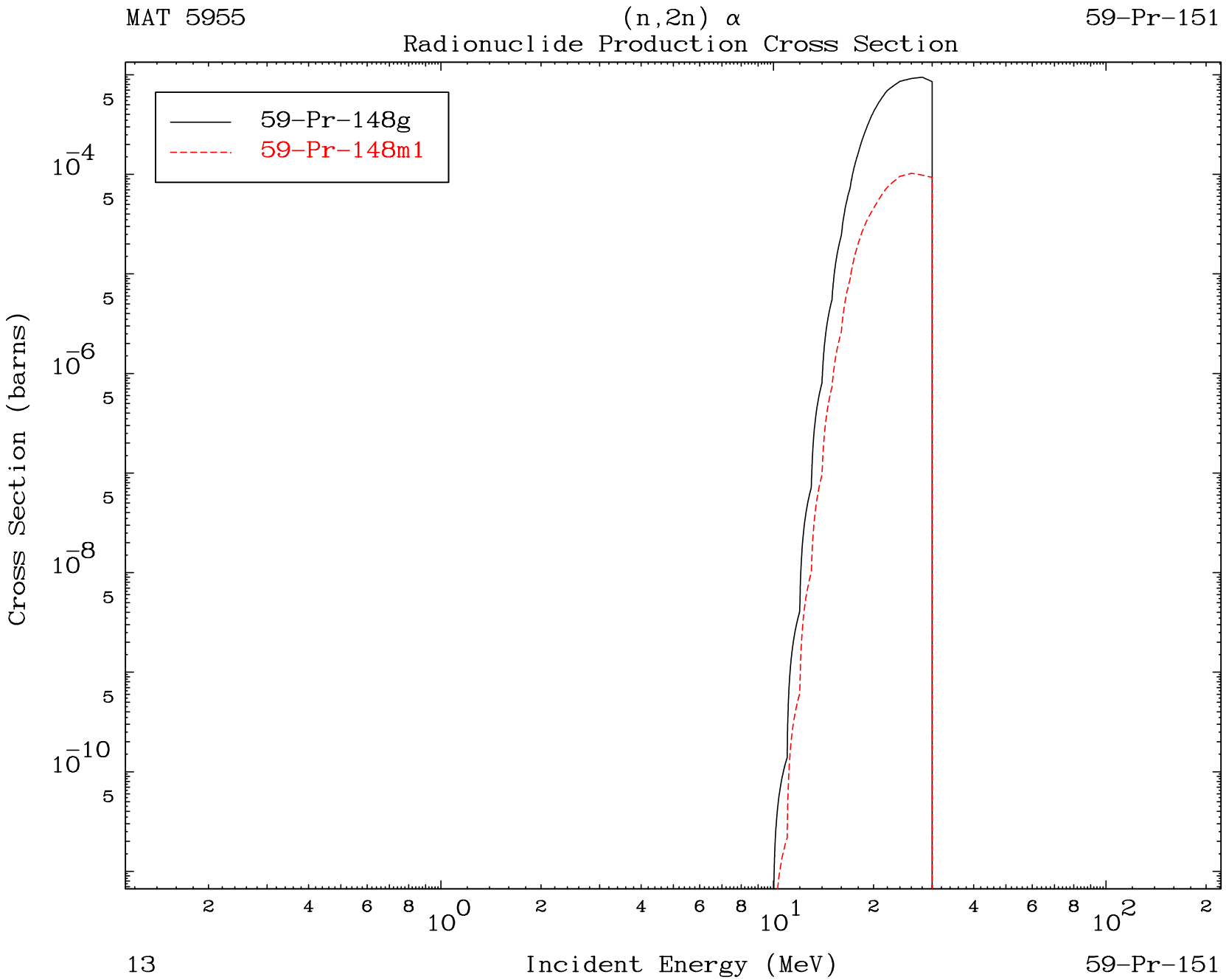

MAT 5955
(He-3,d) Levels
59-Pr-151
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
59-Pr-151


MAT 5955
(He-3,t) Levels
0 Kelvin Cross Sections
59-Pr-151
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
9
59-Pr-151


MAT 5955
(He-3,He3) Levels
59-Pr-151
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-151


MAT 5955
(He-3,α) Levels
59-Pr-151
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
59-Pr-151


MAT 5955
(n,2n)
59-Pr-151
Radionuclide Production Cross Section
61-Pm-152g
61-Pm-152m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
12
59-Pr-151


MAT 5955
(n,2n) α
59-Pr-151
Radionuclide Production Cross Section
59-Pr-148g
59-Pr-148m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
13
59-Pr-151