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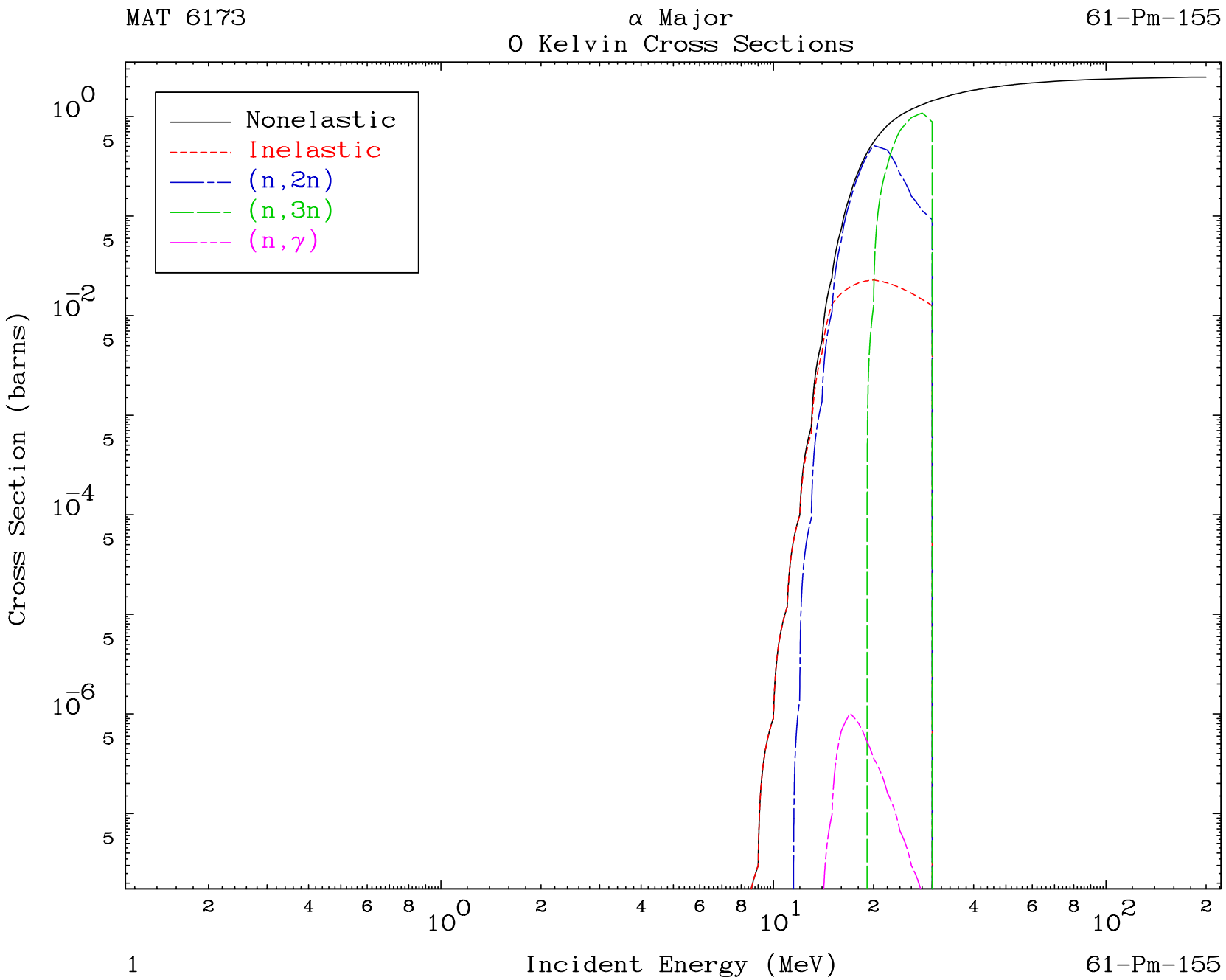
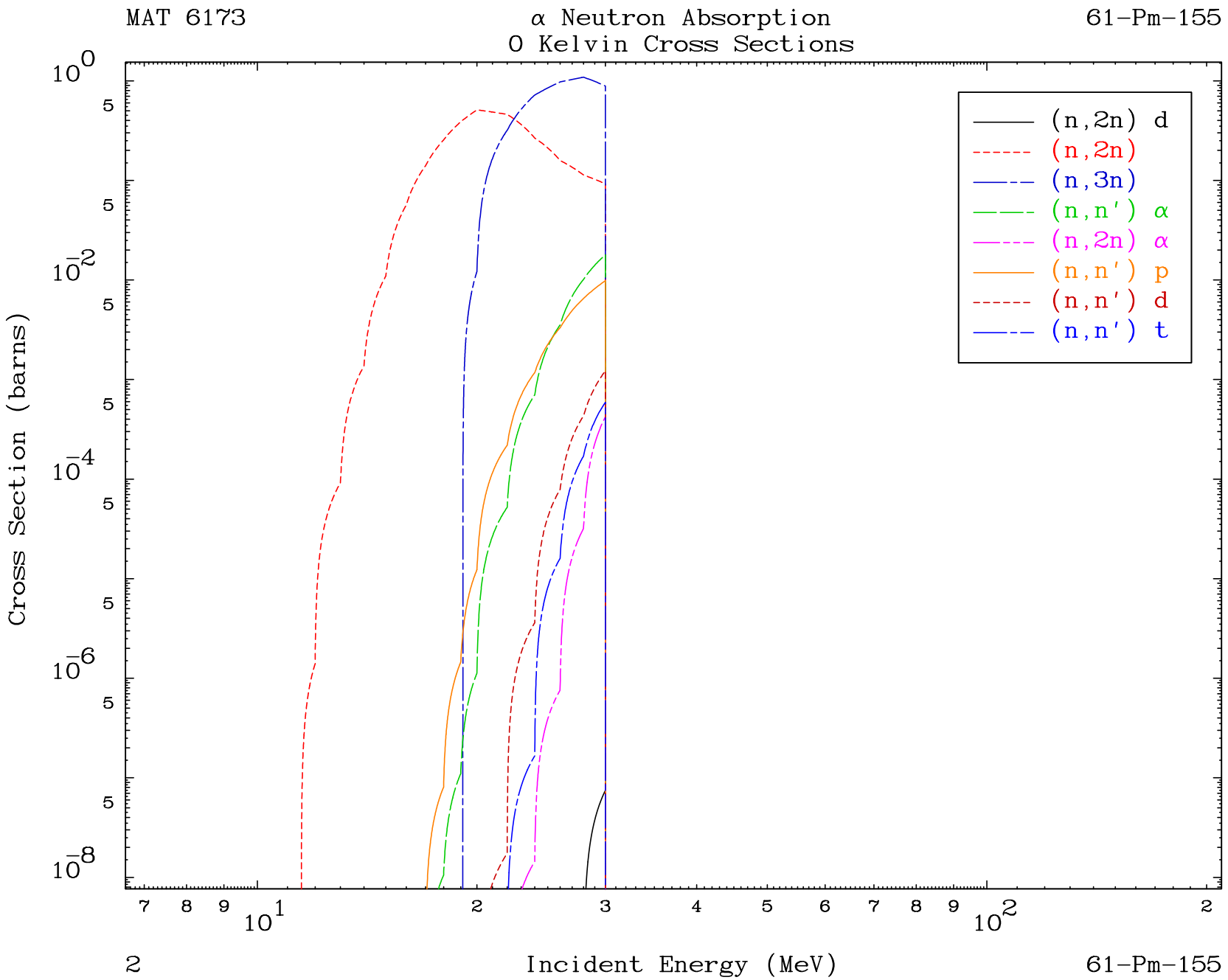
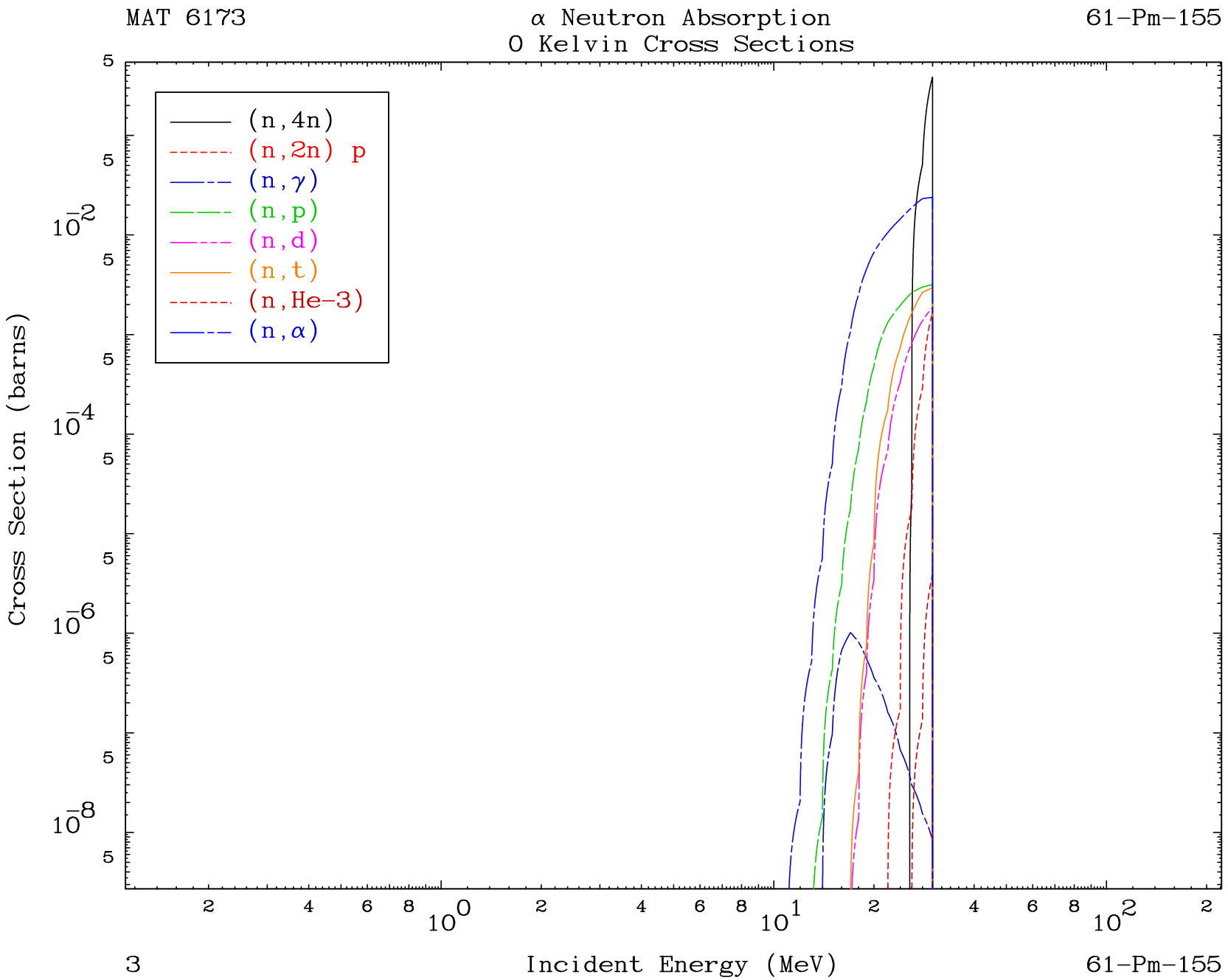
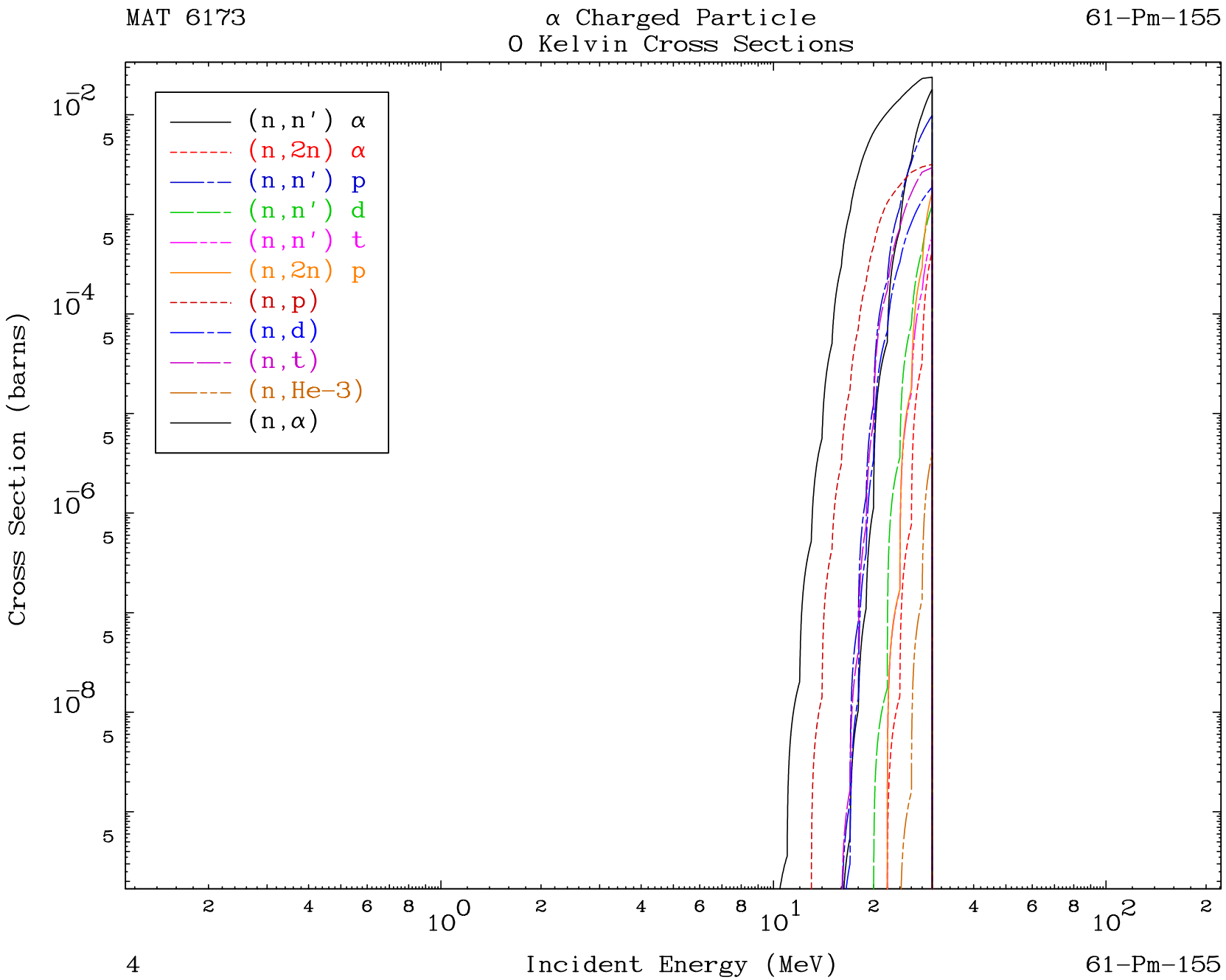
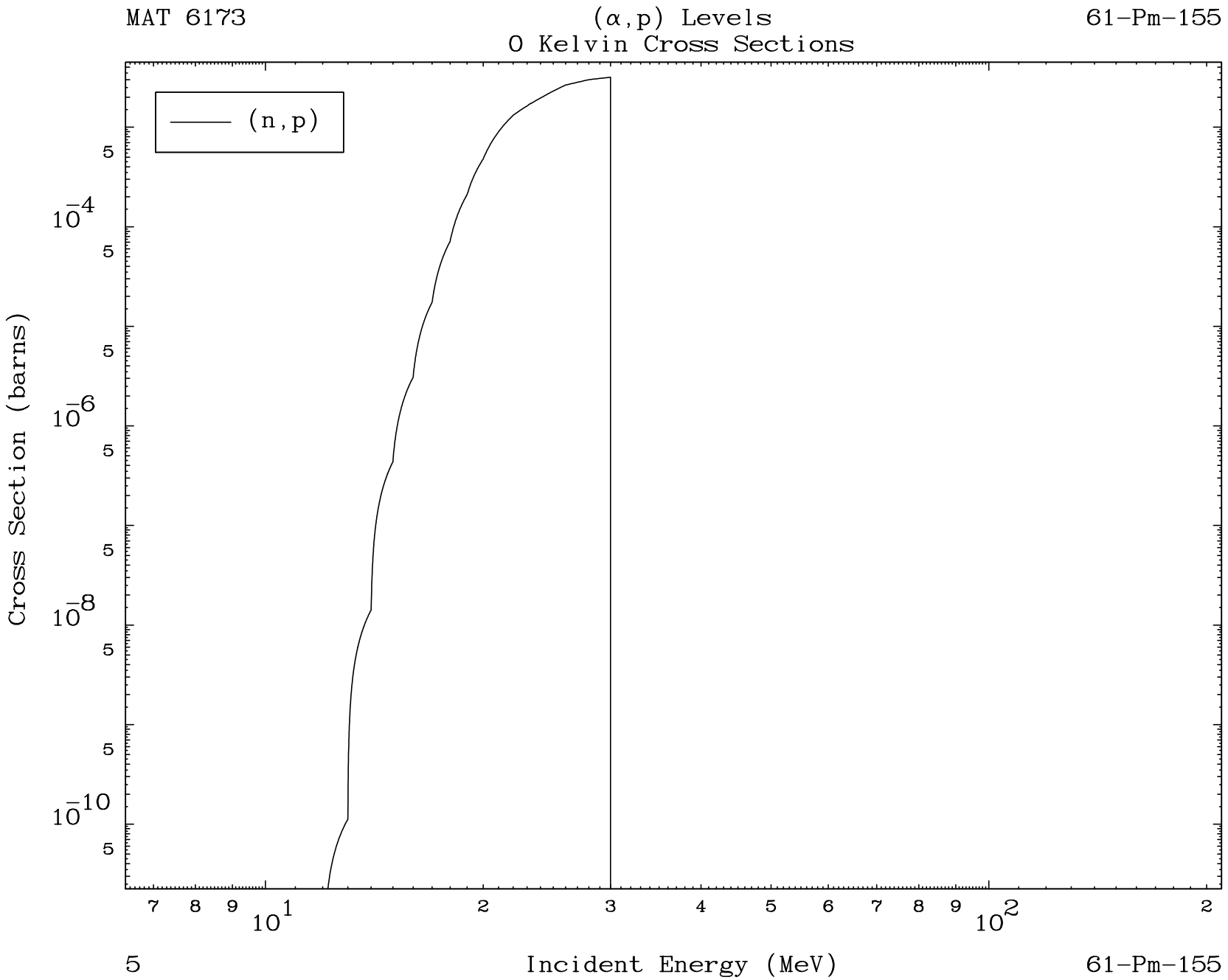
Press Mouse Button to Start

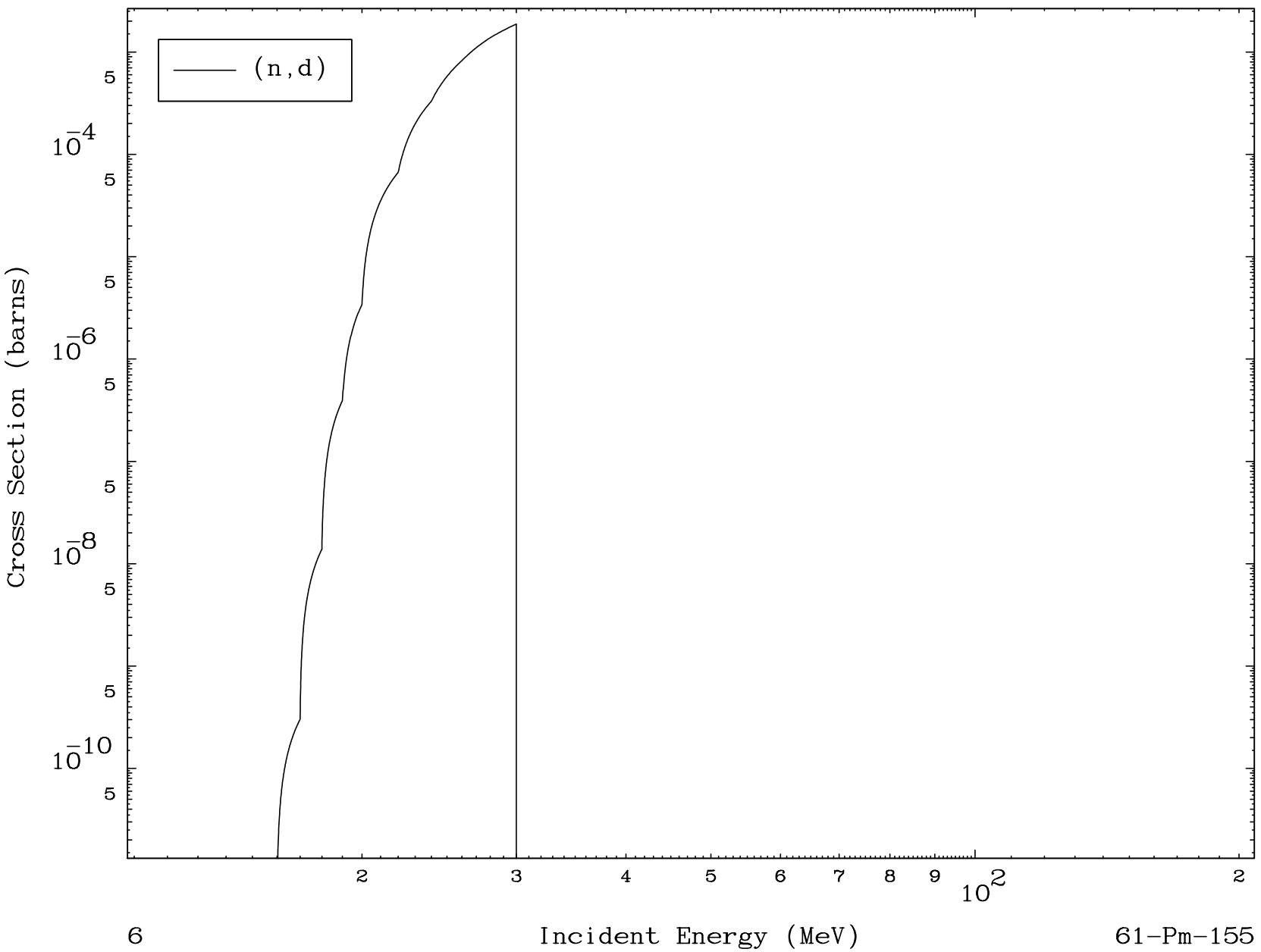

MAT 6173
α Major
61-Pm-155
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
61-Pm-155
1

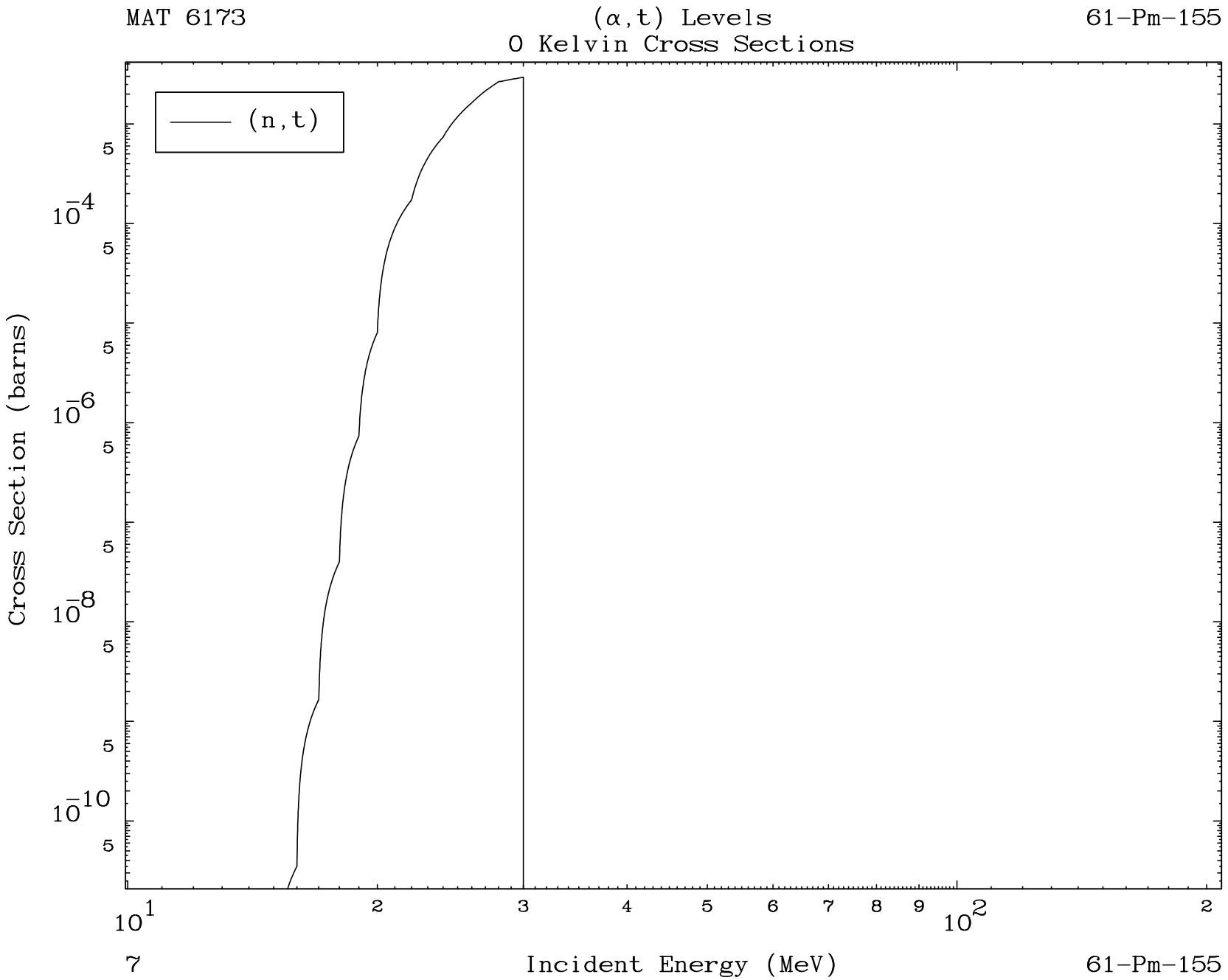

MAT 6173
α Neutron Absorption
0 Kelvin Cross Sections
61-Pm-155
Cross Section (barns)
Incident Energy (MeV)
61-Pm-155
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t

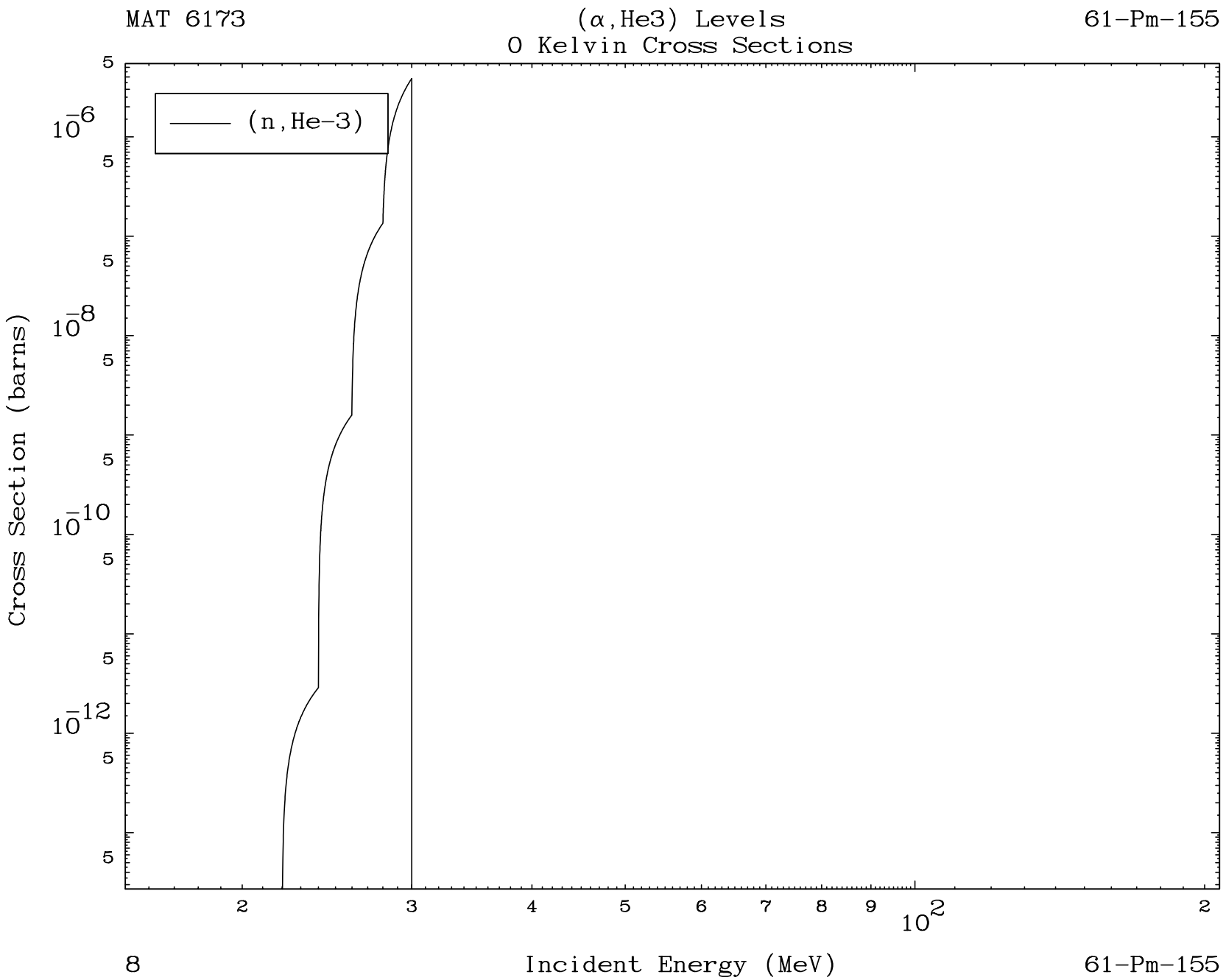

MAT 6173
α Neutron Absorption
0 Kelvin Cross Sections
61-Pm-155
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
61-Pm-155

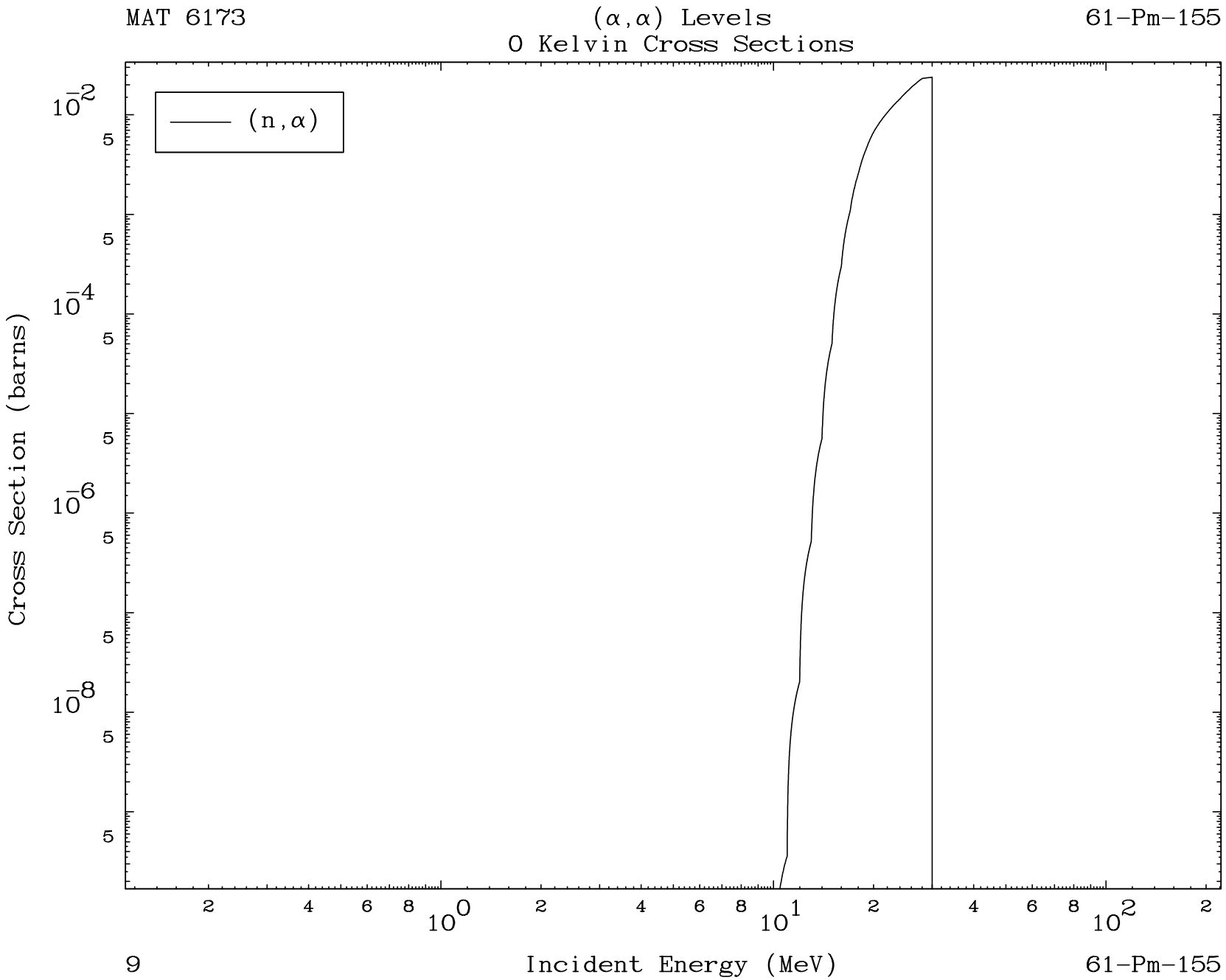

MAT 6173
α Charged Particle
0 Kelvin Cross Sections
61-Pm-155
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
61-Pm-155

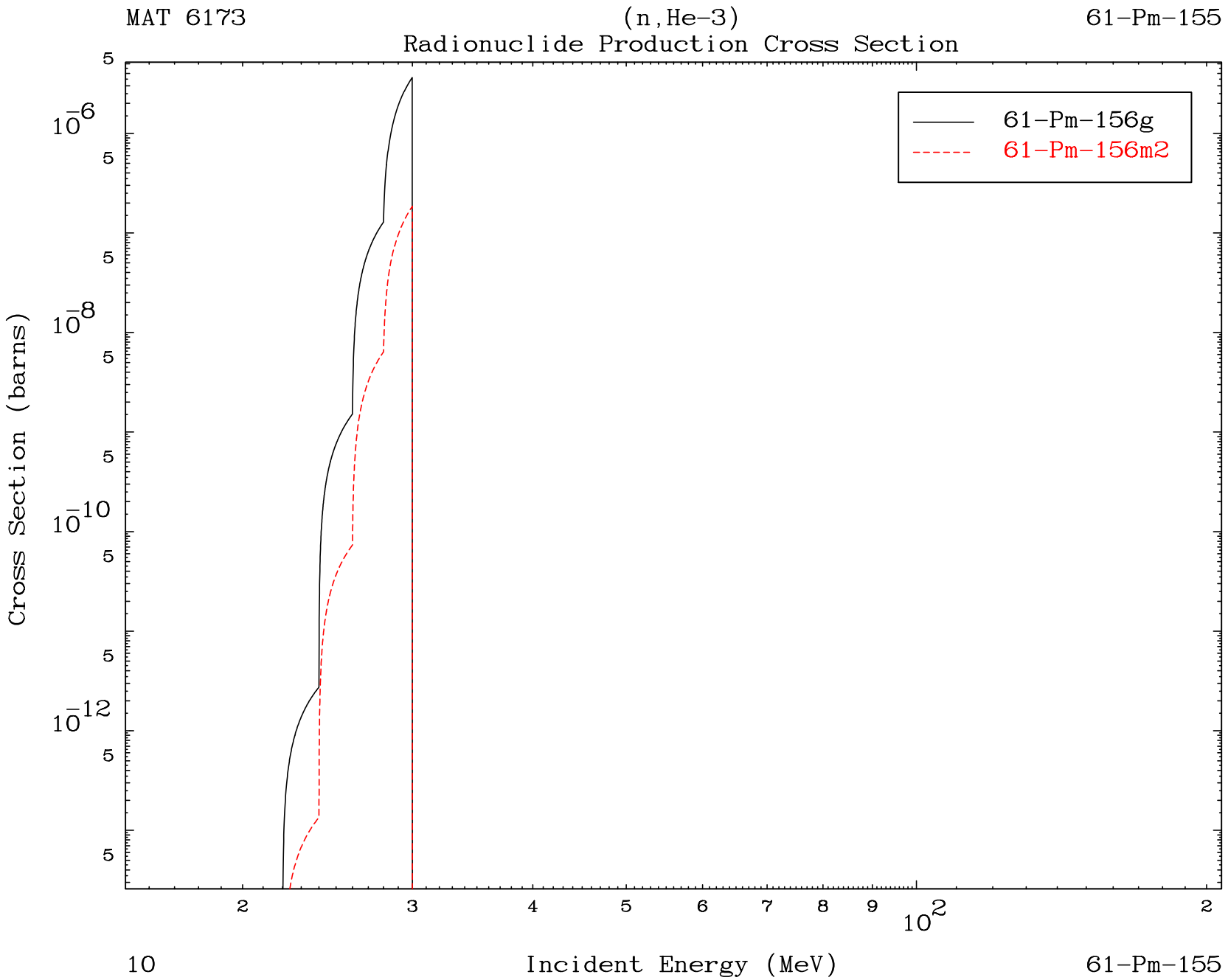

MAT 6173
(α,p) Levels
61-Pm-155
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
5
61-Pm-155


0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 6173
(α,t) Levels
61-Pm-155
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
7
Incident Energy (MeV)
61-Pm-155


MAT 6173
(α,He3) Levels
61-Pm-155
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
8
Incident Energy (MeV)
61-Pm-155


MAT 6173
(α,α) Levels
61-Pm-155
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
9
61-Pm-155


MAT 6173
(n,He-3)
61-Pm-155
Radionuclide Production Cross Section
61-Pm-156g
61-Pm-156m2
Cross Section (barns)
Incident Energy (MeV)
61-Pm-155