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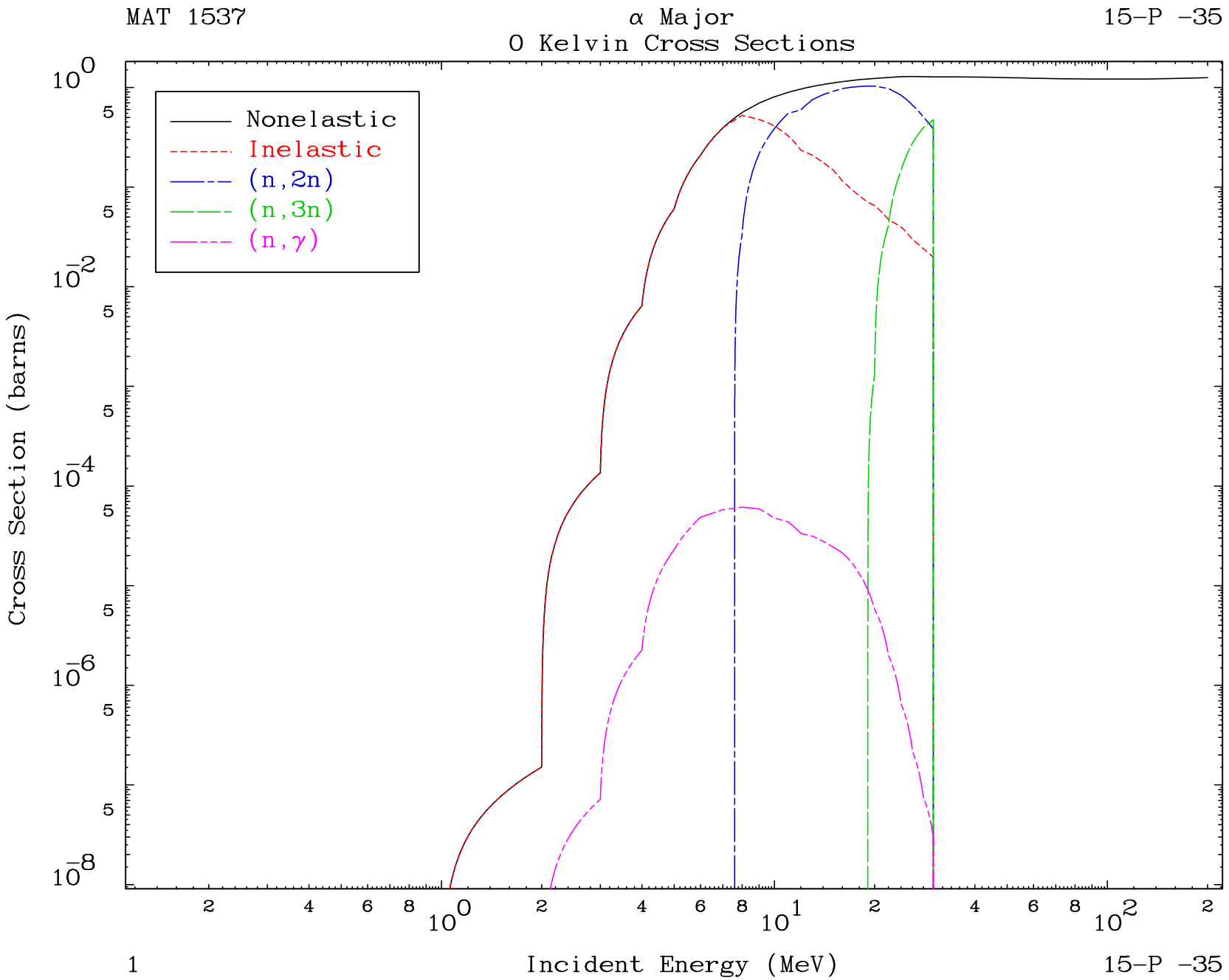
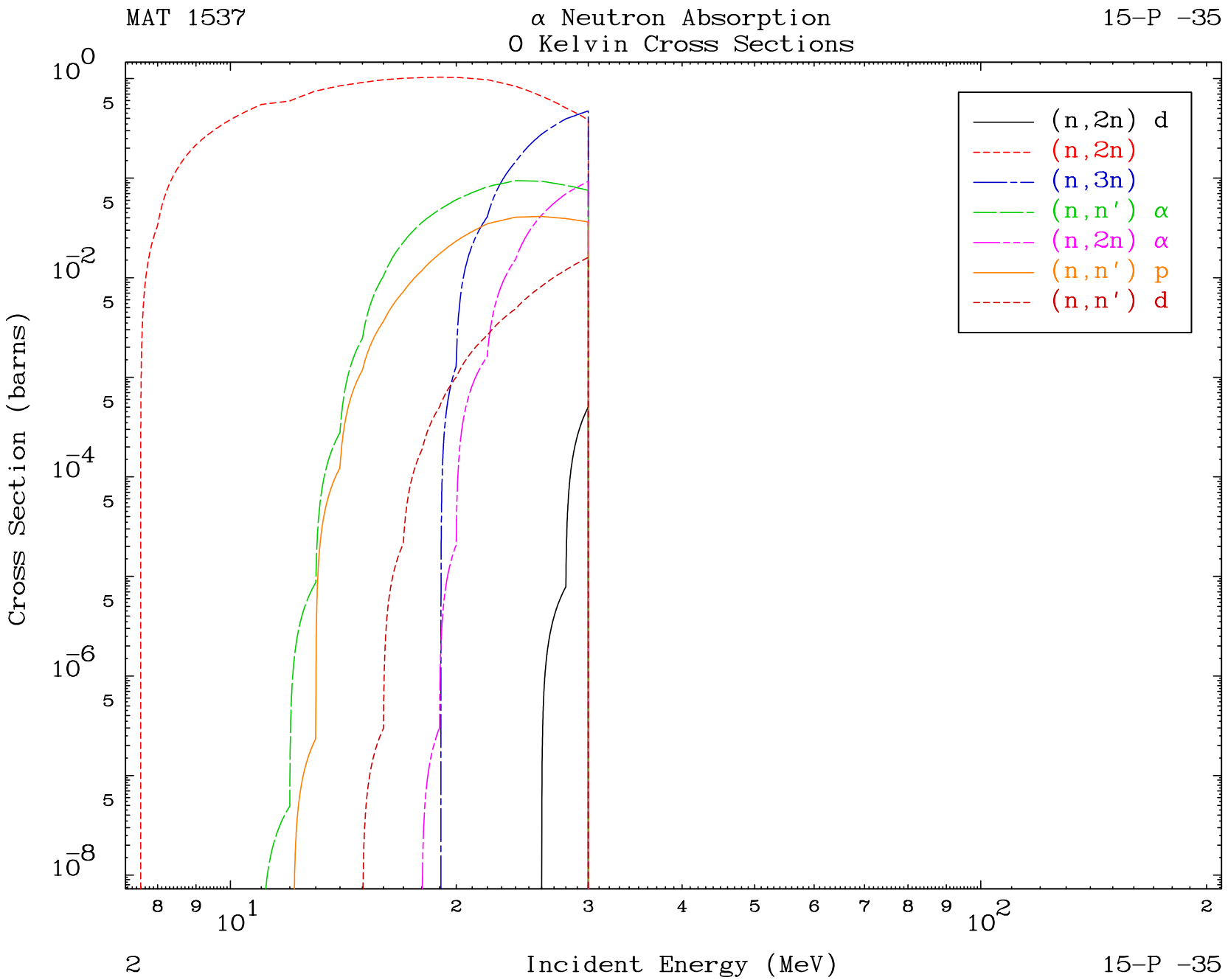
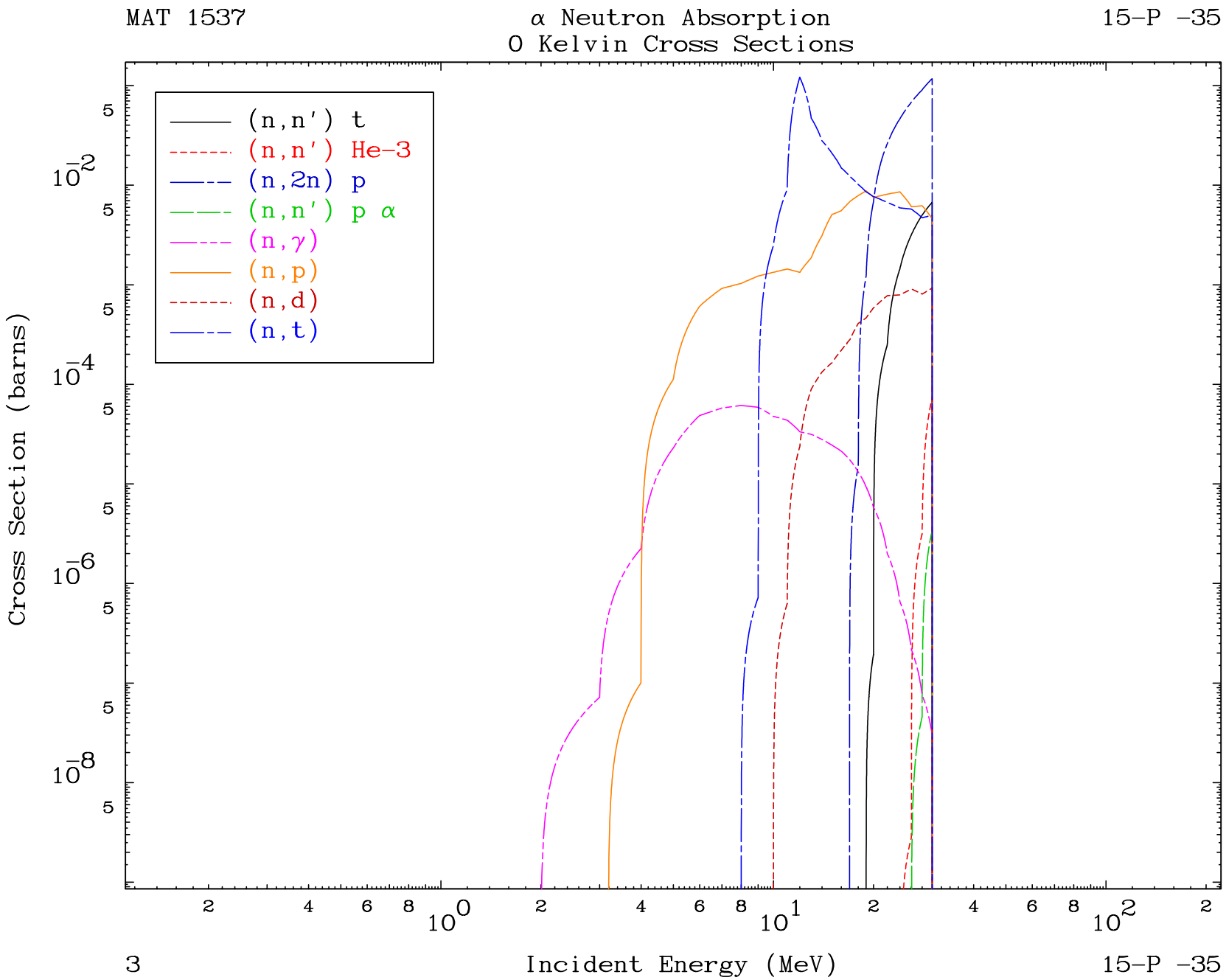
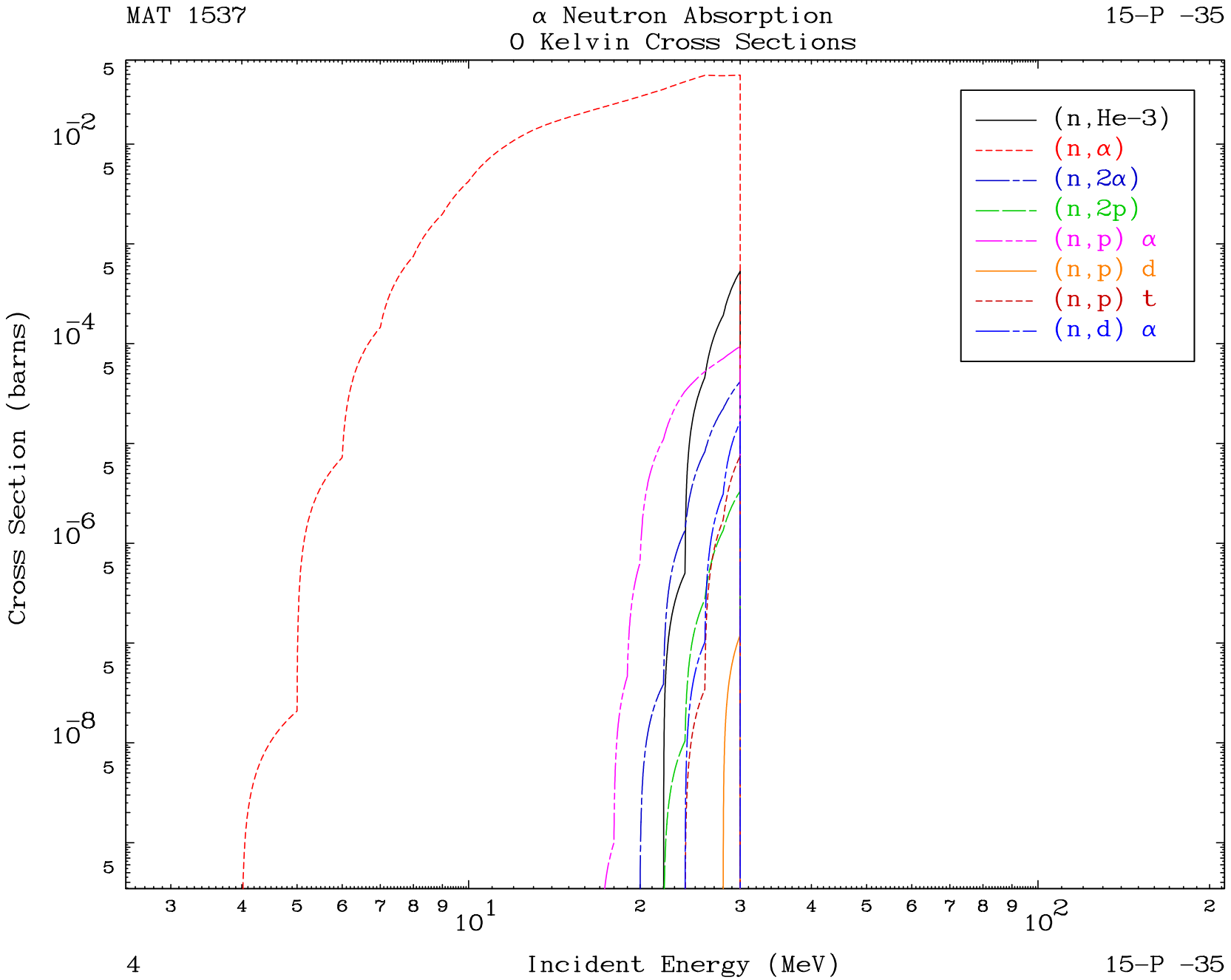
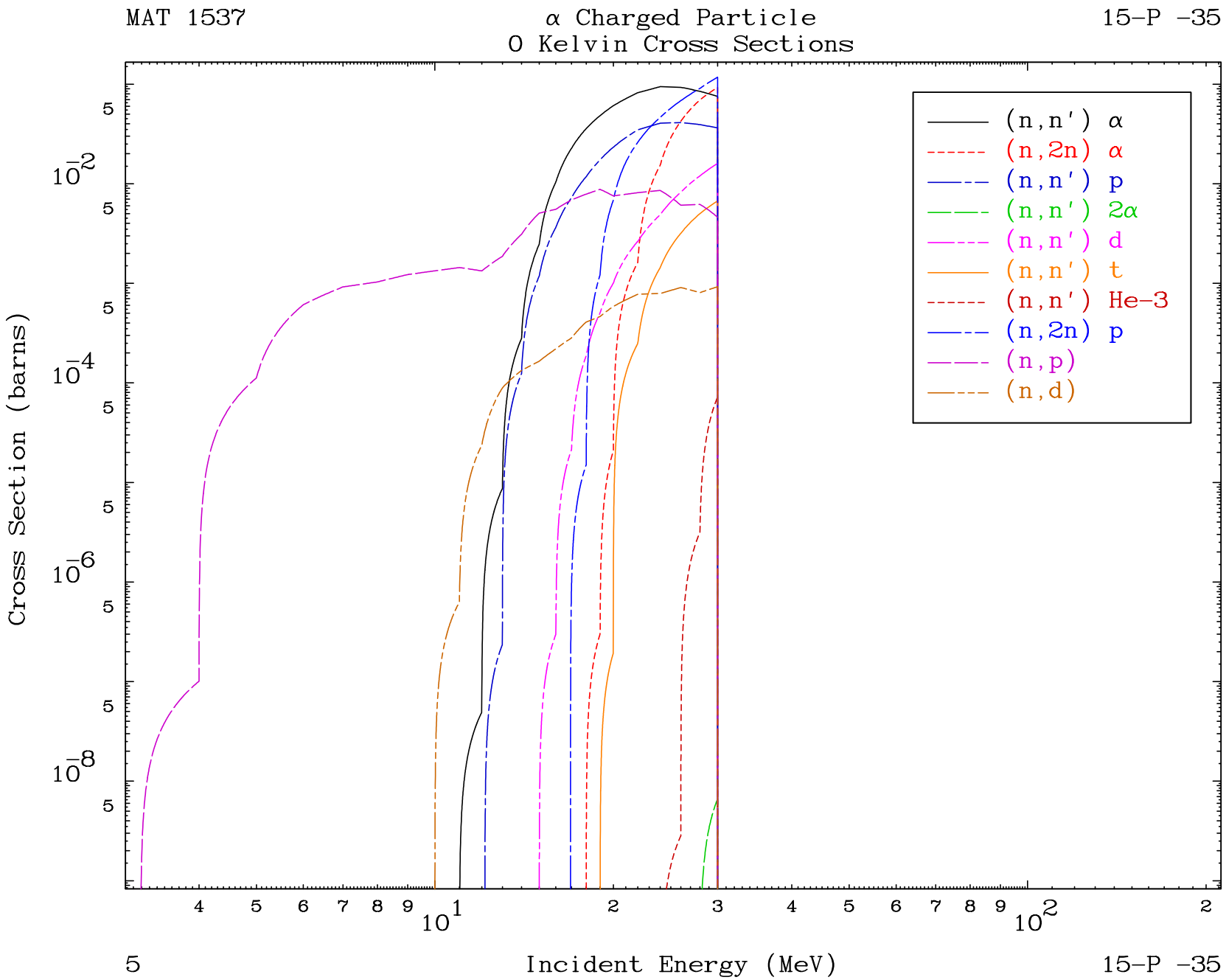
Press Mouse Button to Start

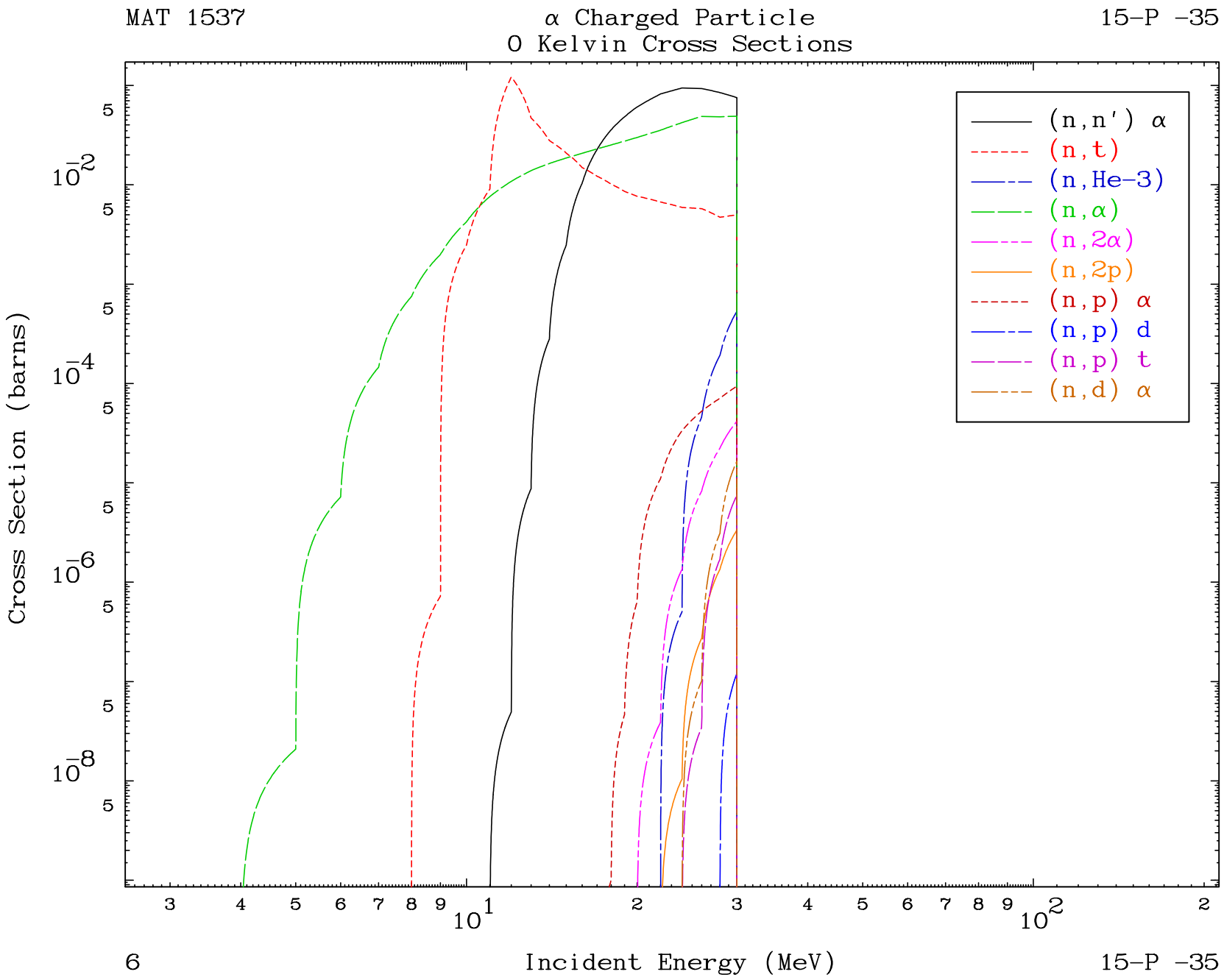

MAT 1537
α Major
15-P -35
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
15-P -35

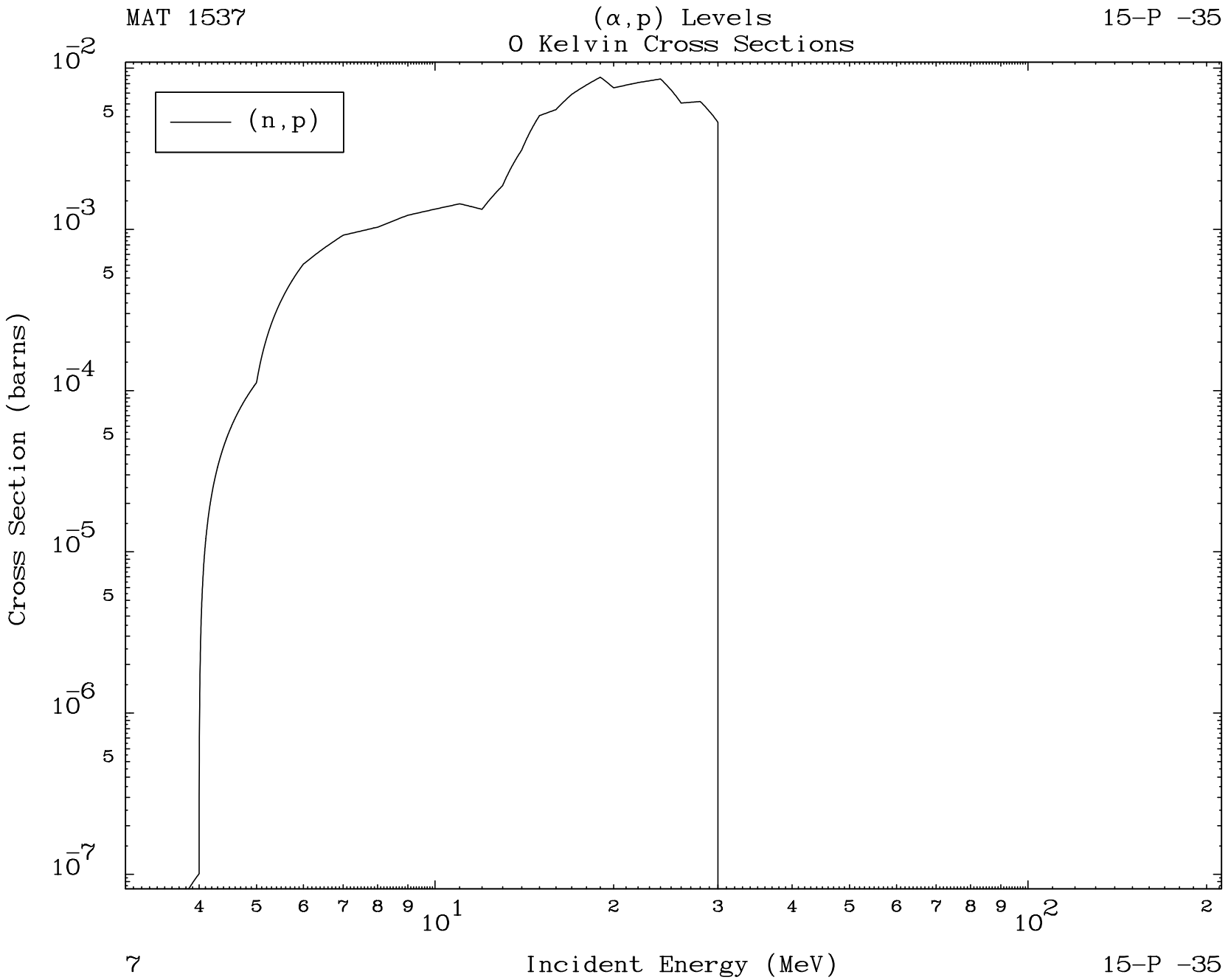

MAT 1537
α Neutron Absorption
0 Kelvin Cross Sections
15-P -35
Cross Section (barns)
Incident Energy (MeV)
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
2
15-P -35

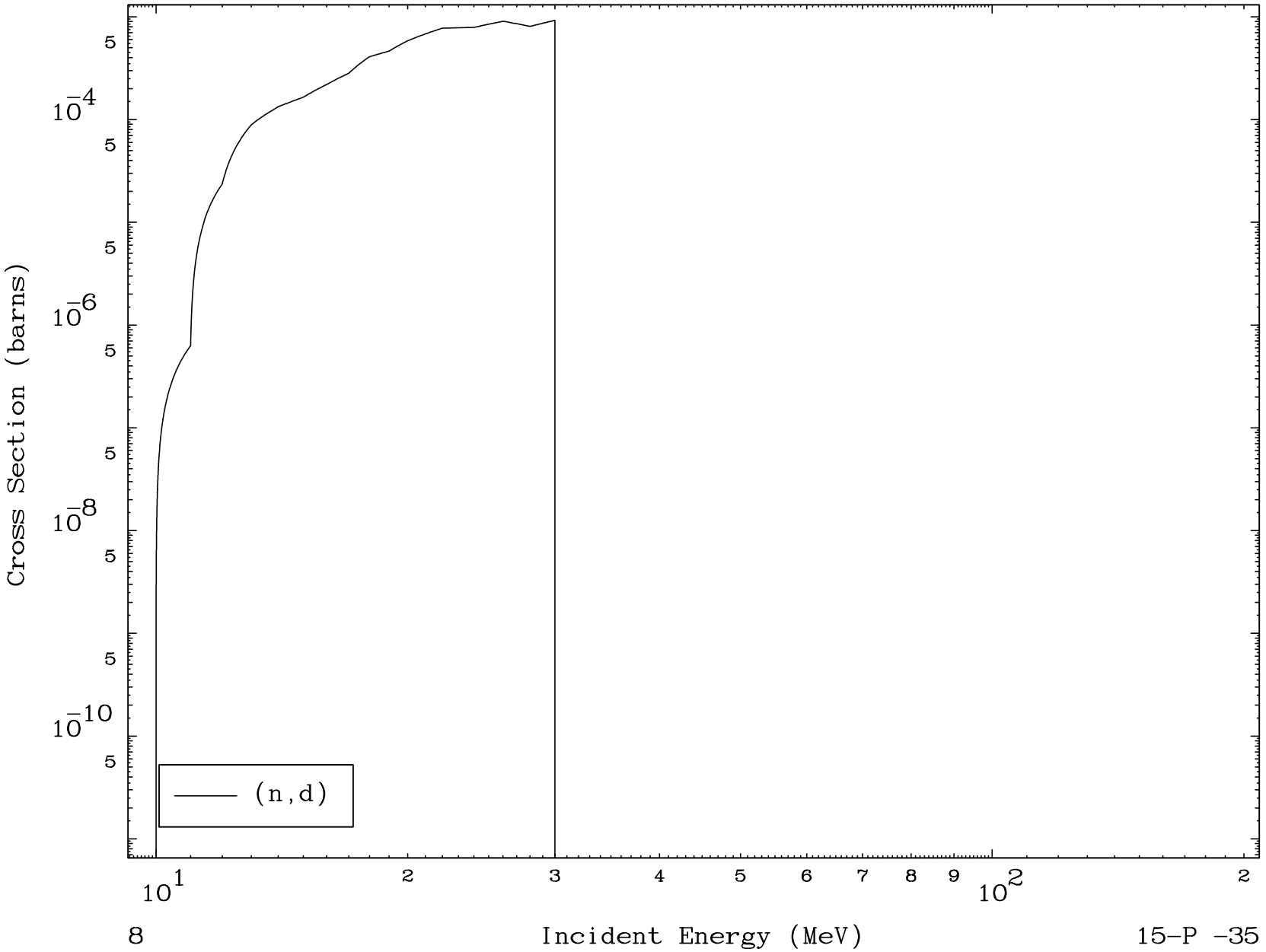

MAT 1537
α Neutron Absorption
0 Kelvin Cross Sections
15-P -35
(n,n') t
(n,n') He-3
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
10^0
10^1
10^2
2
4
6
8
Incident Energy (MeV)
3
15-P -35


MAT 1537
α Neutron Absorption
0 Kelvin Cross Sections
15-P -35
Cross Section (barns)
Incident Energy (MeV)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
4
15-P -35

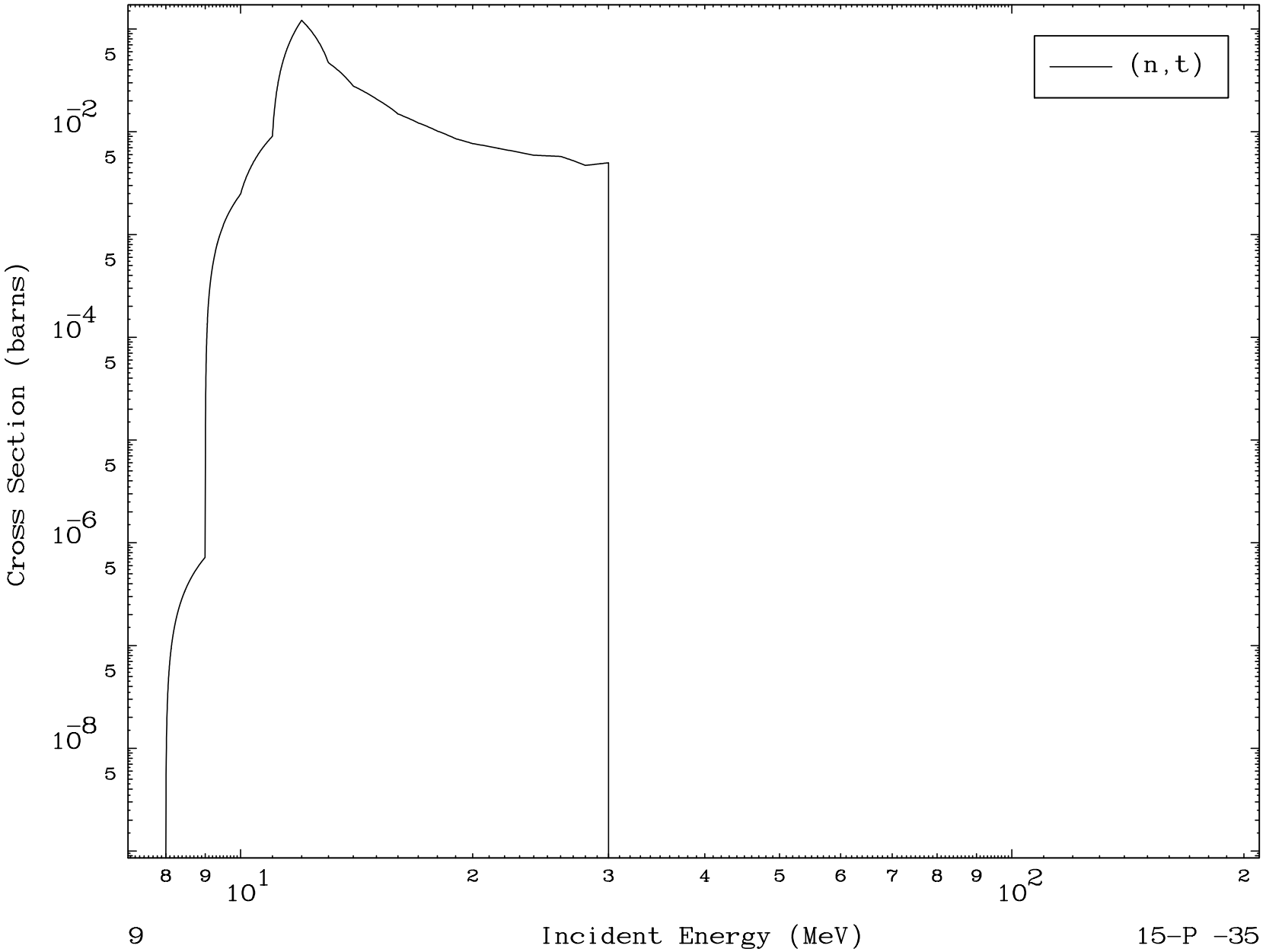

MAT 1537
α Charged Particle
0 Kelvin Cross Sections
15-P -35
Cross Section (barns)
Incident Energy (MeV)
5
15-P -35
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)

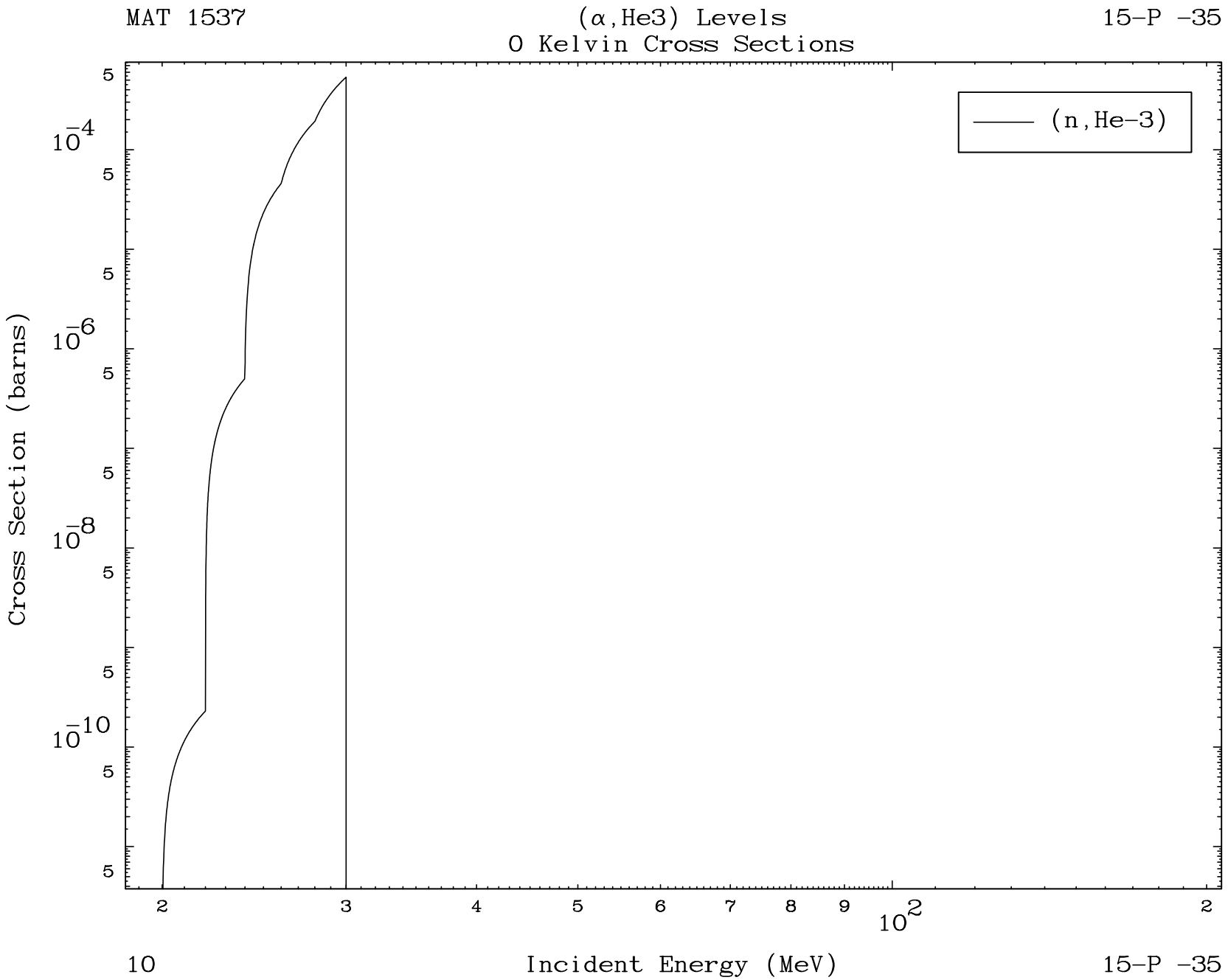

MAT 1537
α Charged Particle
0 Kelvin Cross Sections
15-P -35
Cross Section (barns)
10-2
10-4
10-6
10-8
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
15-P -35

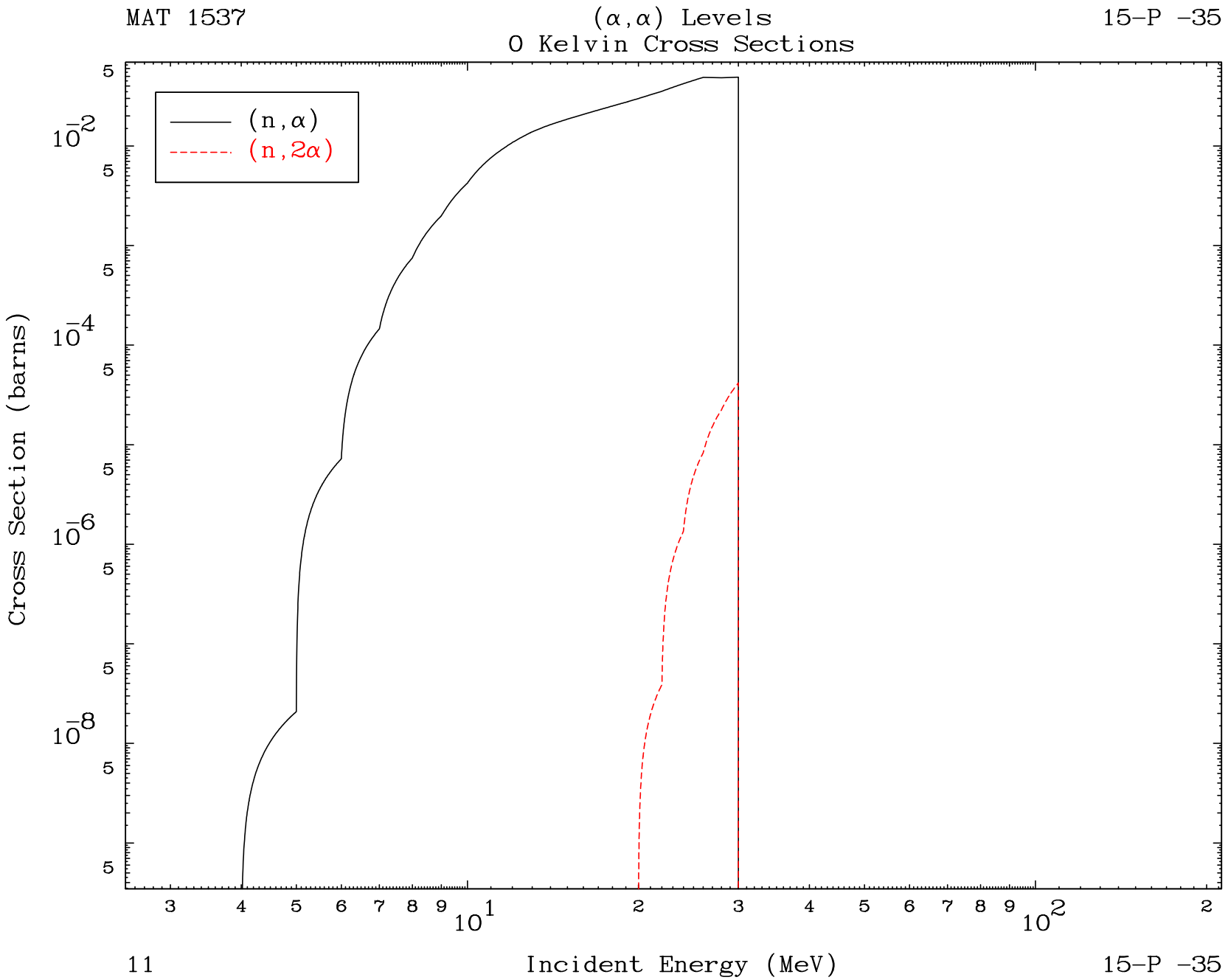

MAT 1537
(α,p) Levels
15-P -35
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
15-P -35

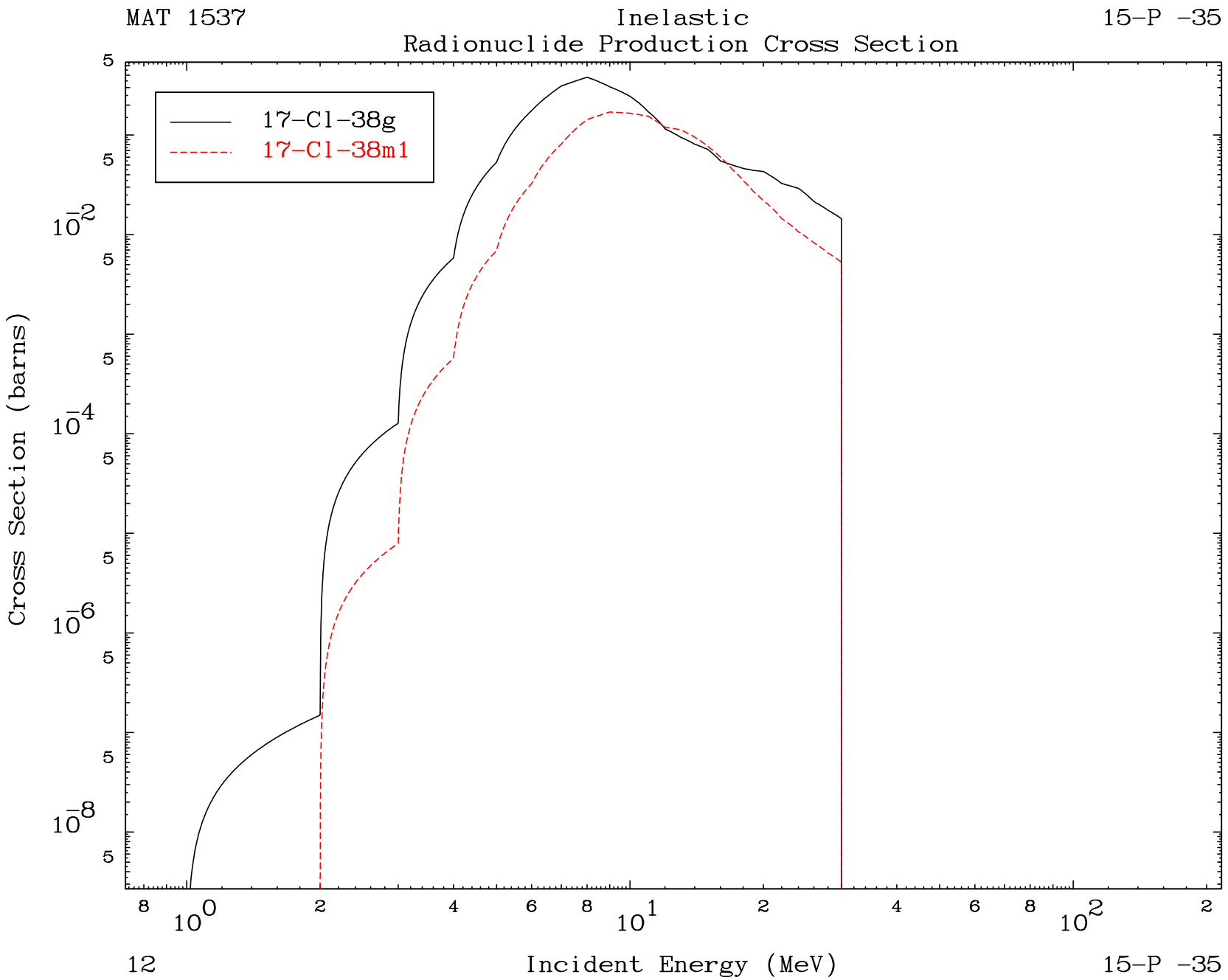

0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
(n,d)
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

0 Kelvin Cross Sections




MAT 1537
(α,He3) Levels
15-P -35
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^2
15-P -35


MAT 1537
(α,α) Levels
15-P -35
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
11
Incident Energy (MeV)
15-P -35


MAT 1537
Inelastic
15-P -35
Radionuclide Production Cross Section
17-Cl-38g
17-Cl-38m1
Cross Section (barns)
Incident Energy (MeV)
12
15-P -35