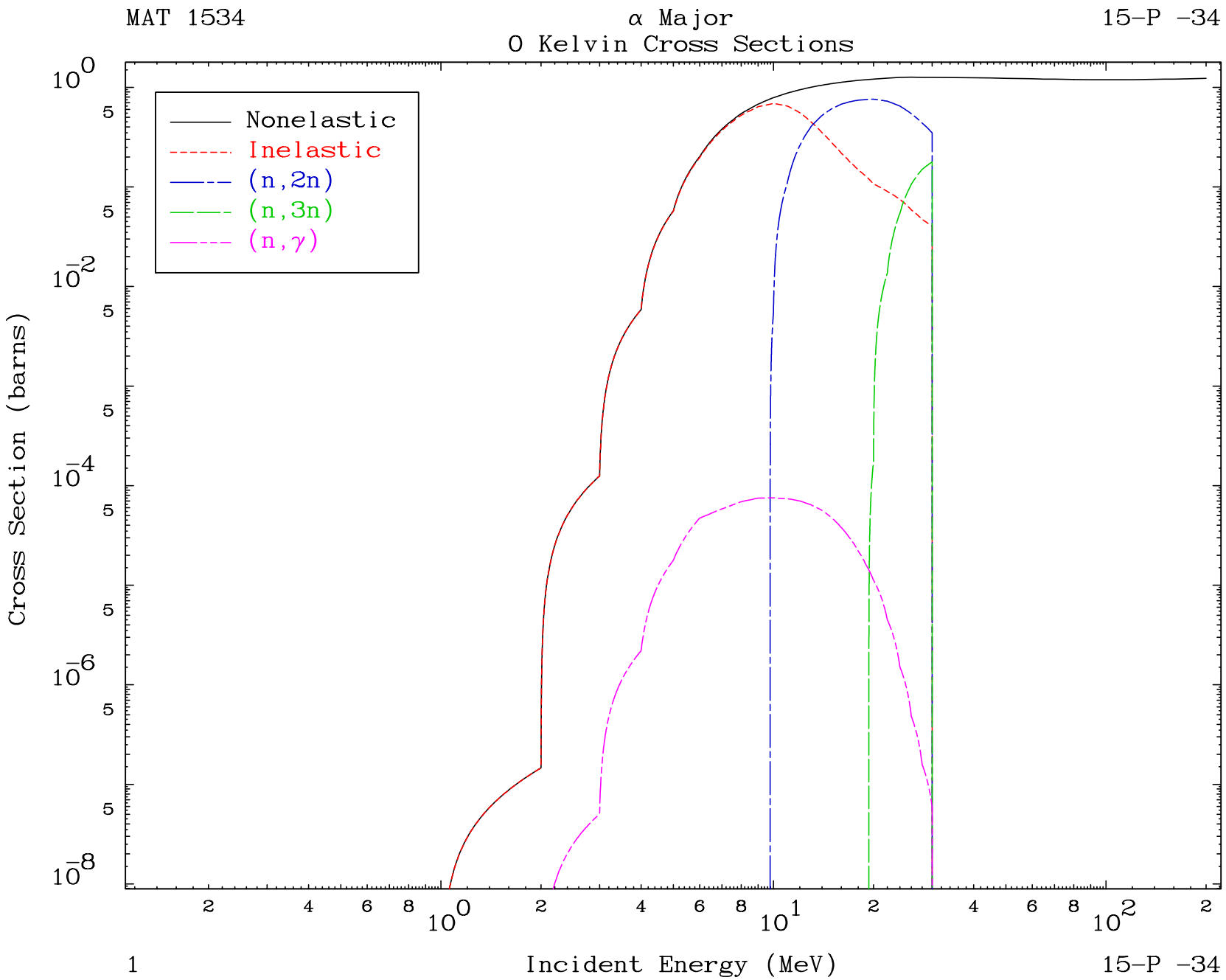
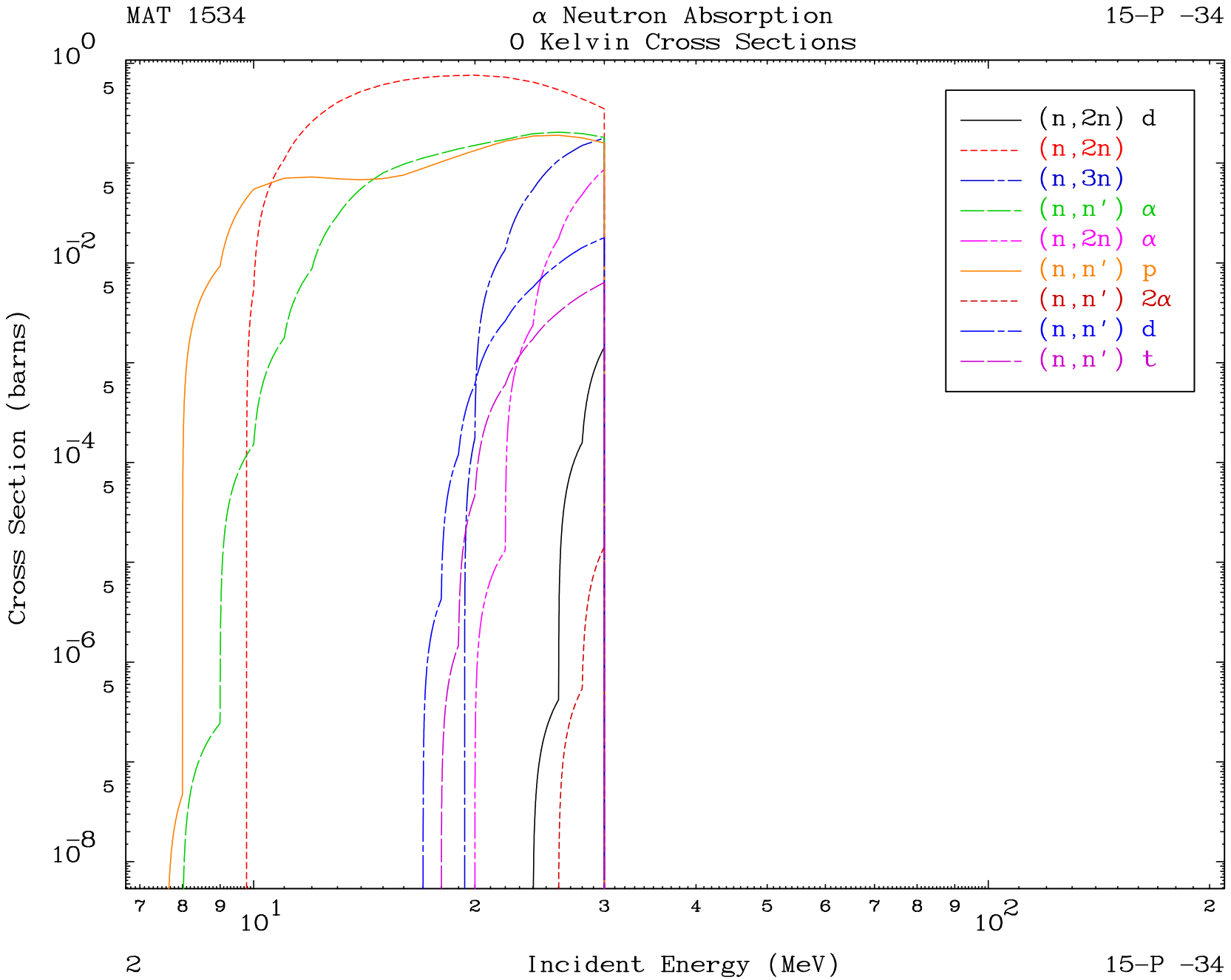
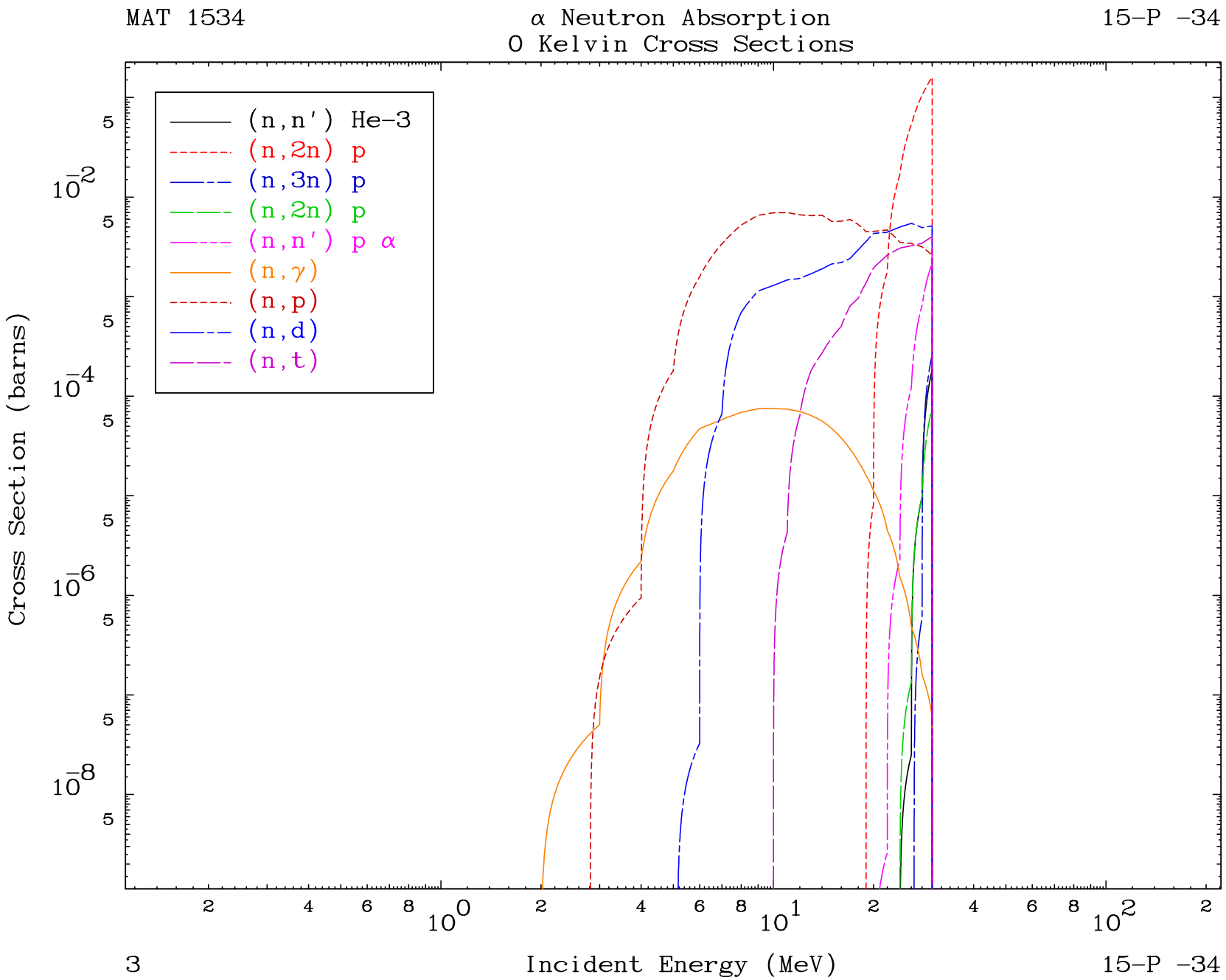
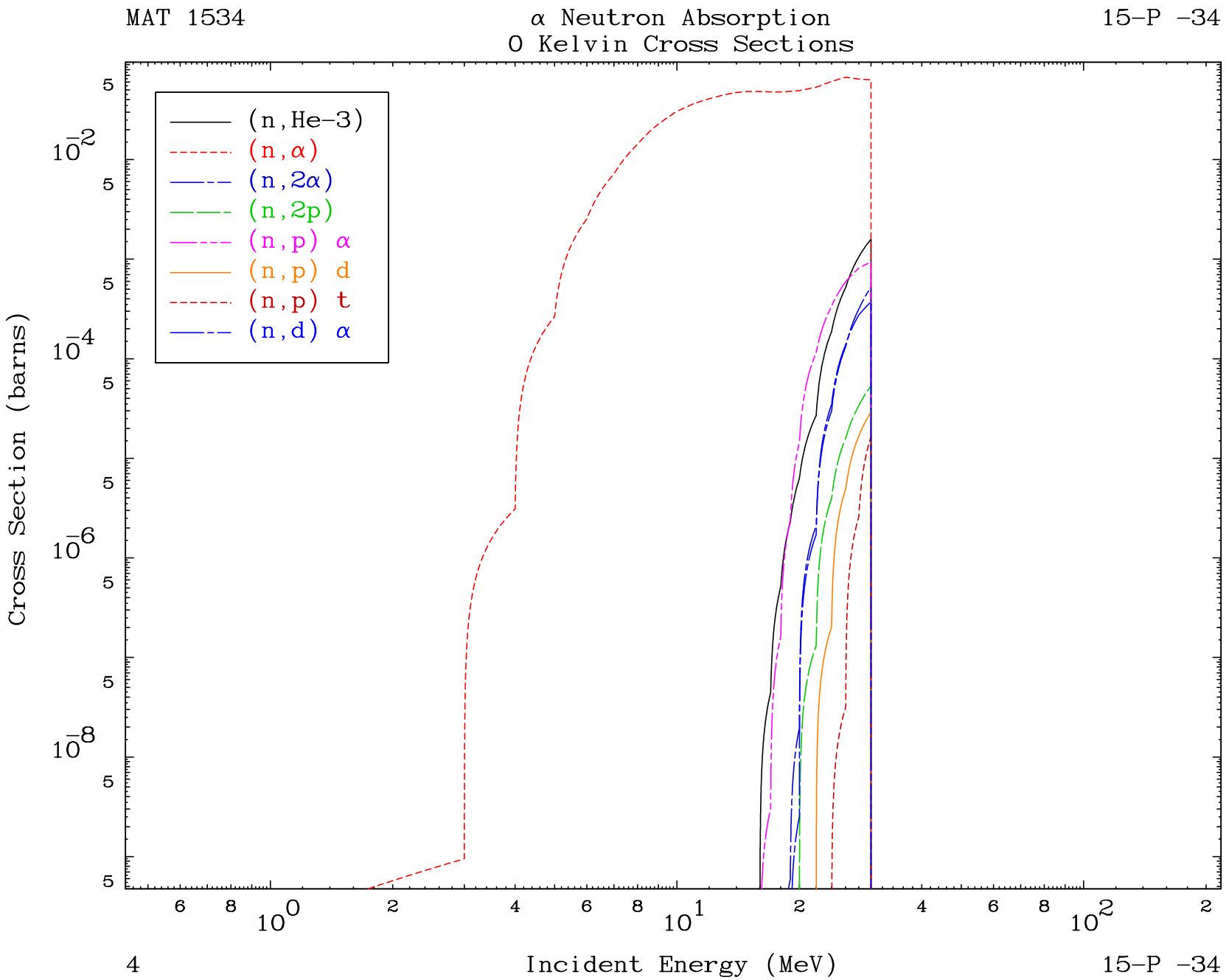
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

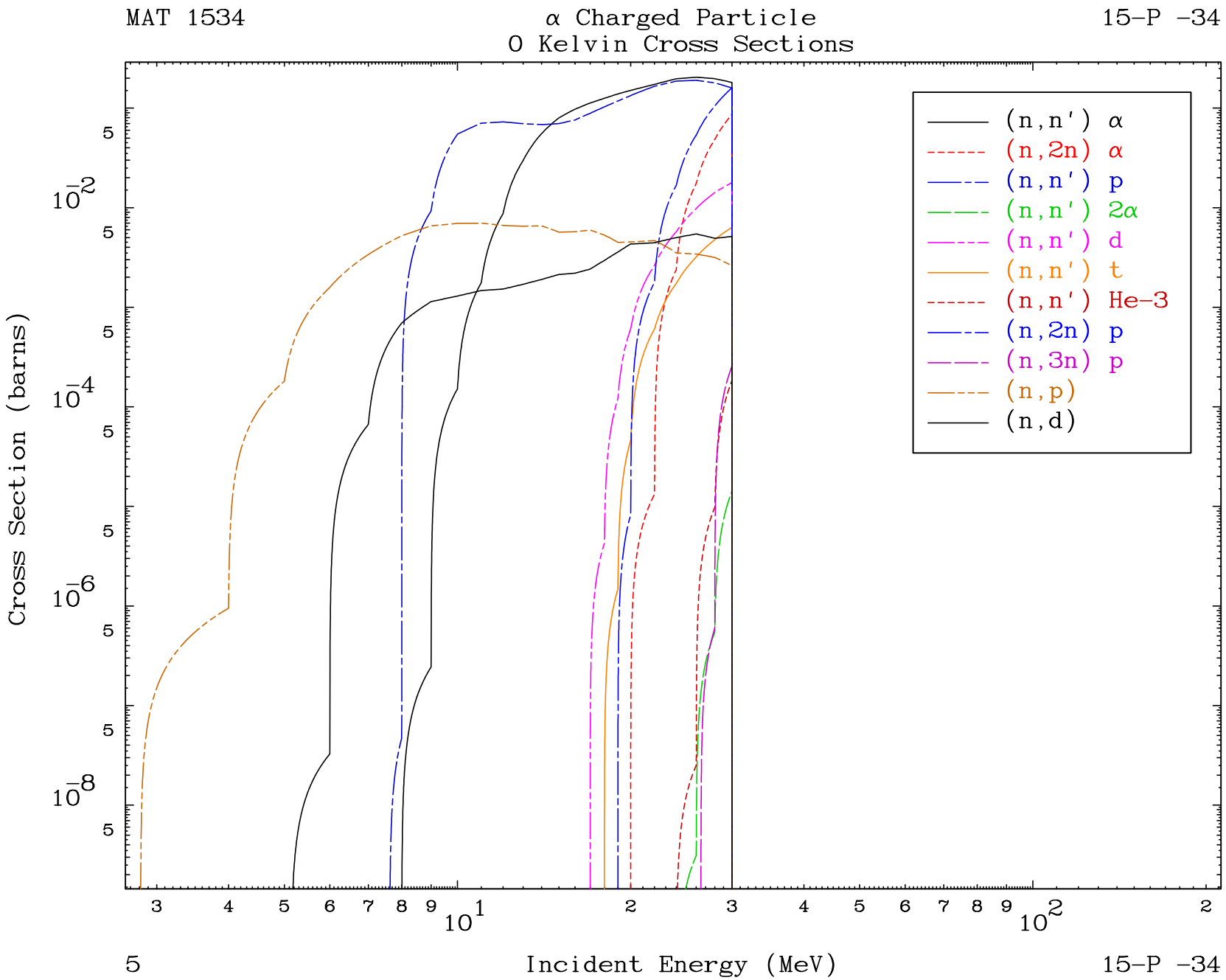
Press Mouse Button to Start

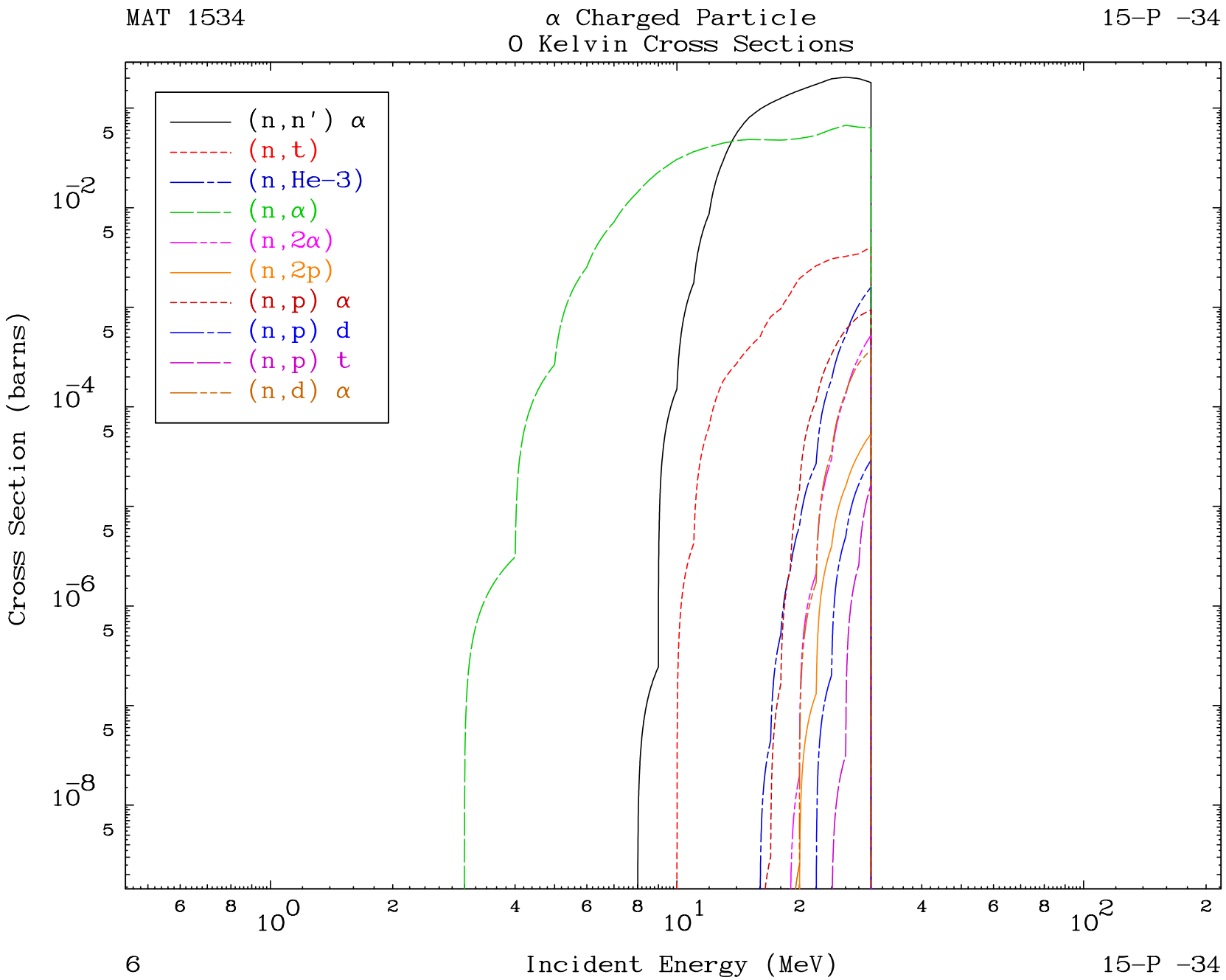

MAT 1534
α Major
15-P -34
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
15-P -34
1


MAT 1534
α Neutron Absorption
0 Kelvin Cross Sections
15-P -34
Cross Section (barns)
Incident Energy (MeV)
15-P -34
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t

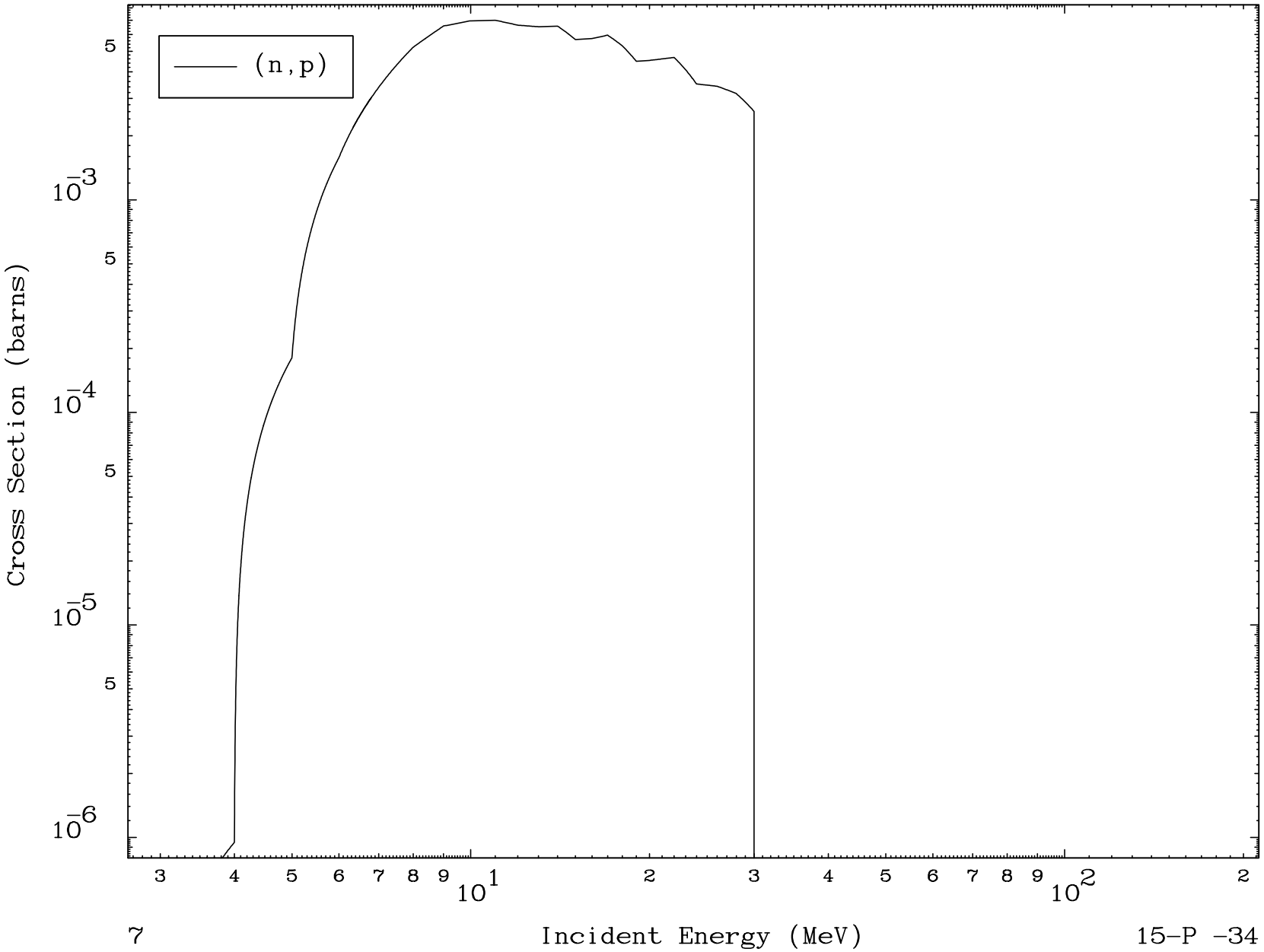

MAT 1534
α Neutron Absorption
0 Kelvin Cross Sections
15-P -34
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
15-P -34


MAT 1534
α Neutron Absorption
0 Kelvin Cross Sections
15-P -34
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
15-P -34

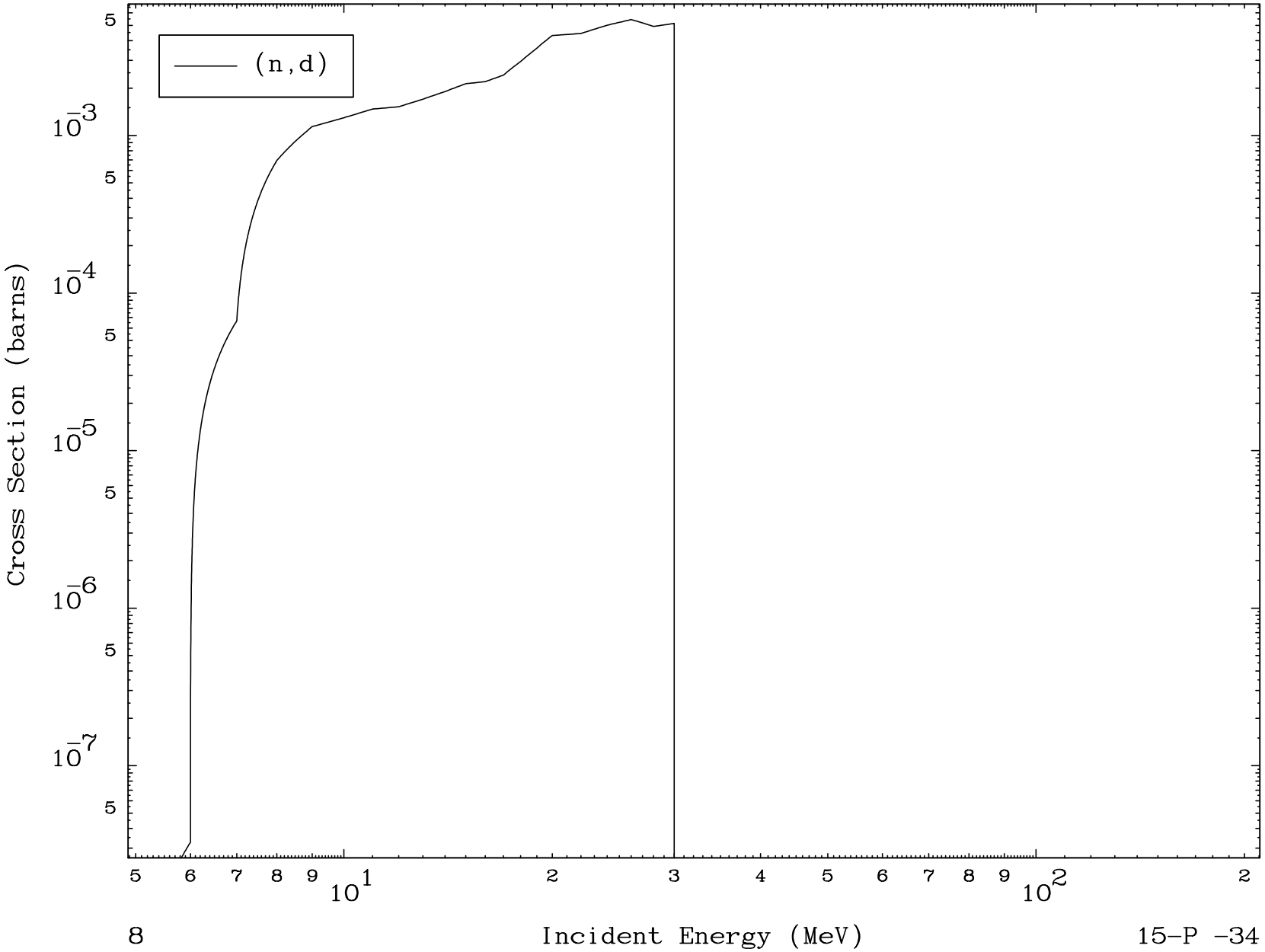

MAT 1534
α Charged Particle
0 Kelvin Cross Sections
15-P -34
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)

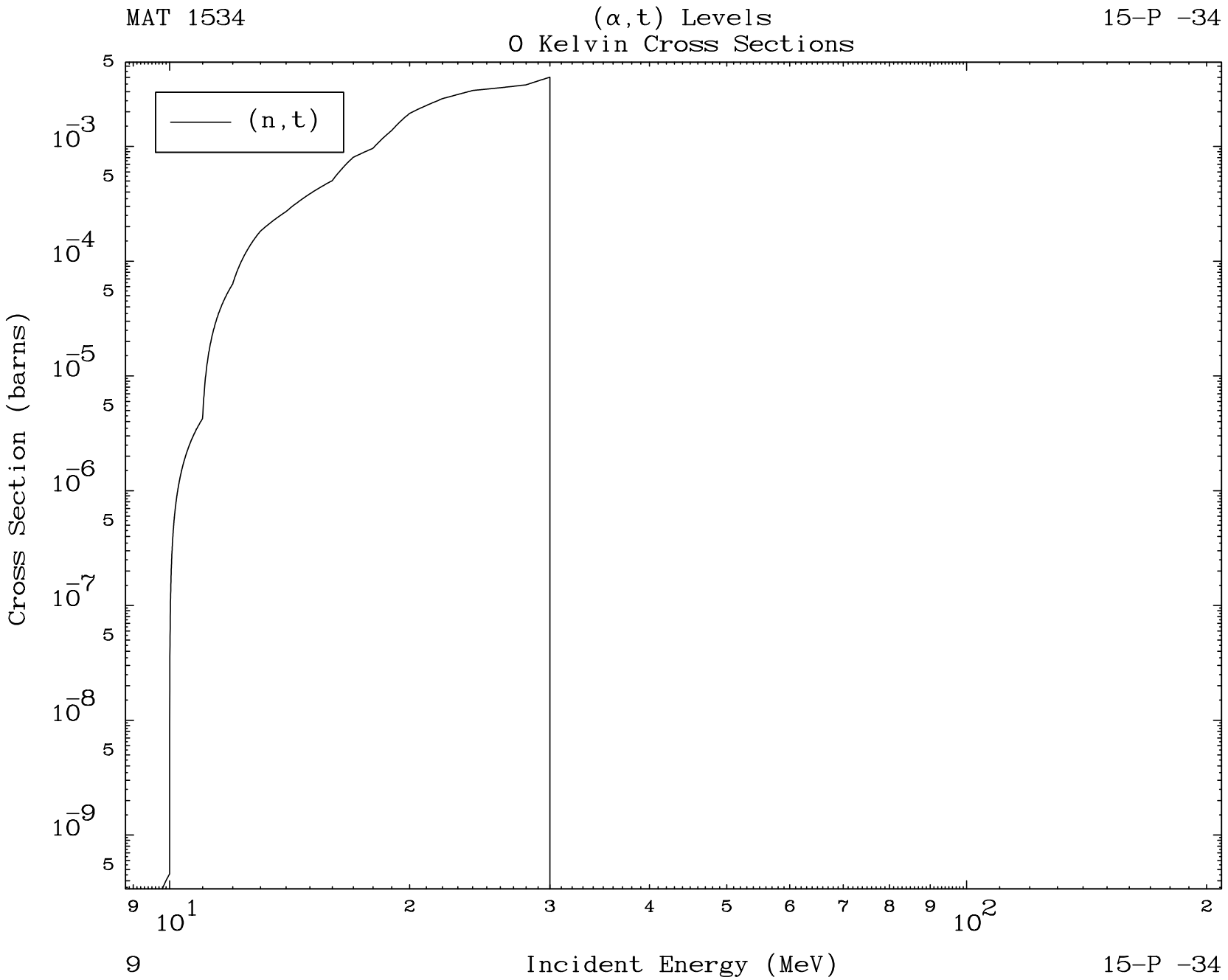

MAT 1534
α Charged Particle
0 Kelvin Cross Sections
15-P -34
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
15-P -34

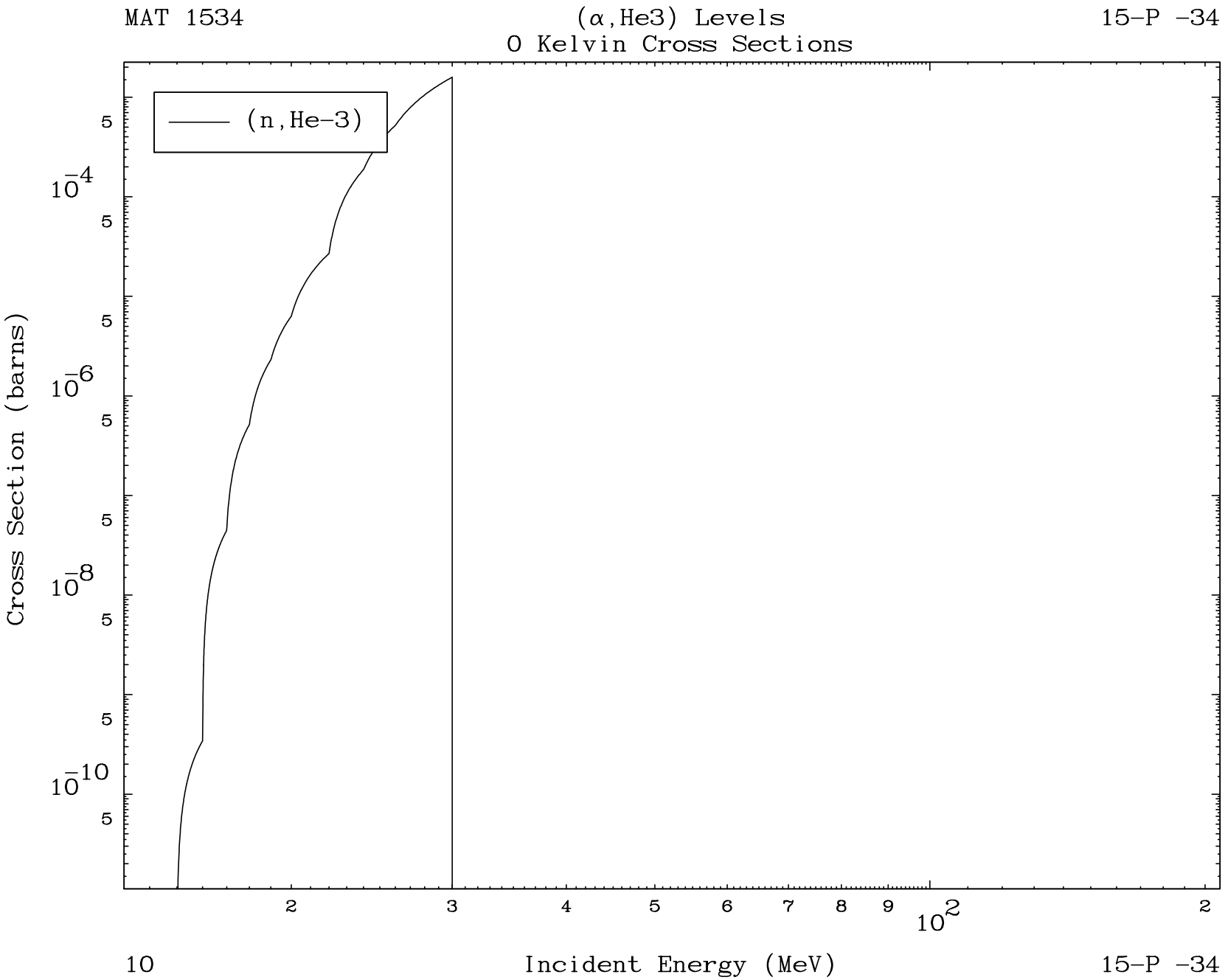
0 Kelvin Cross Sections

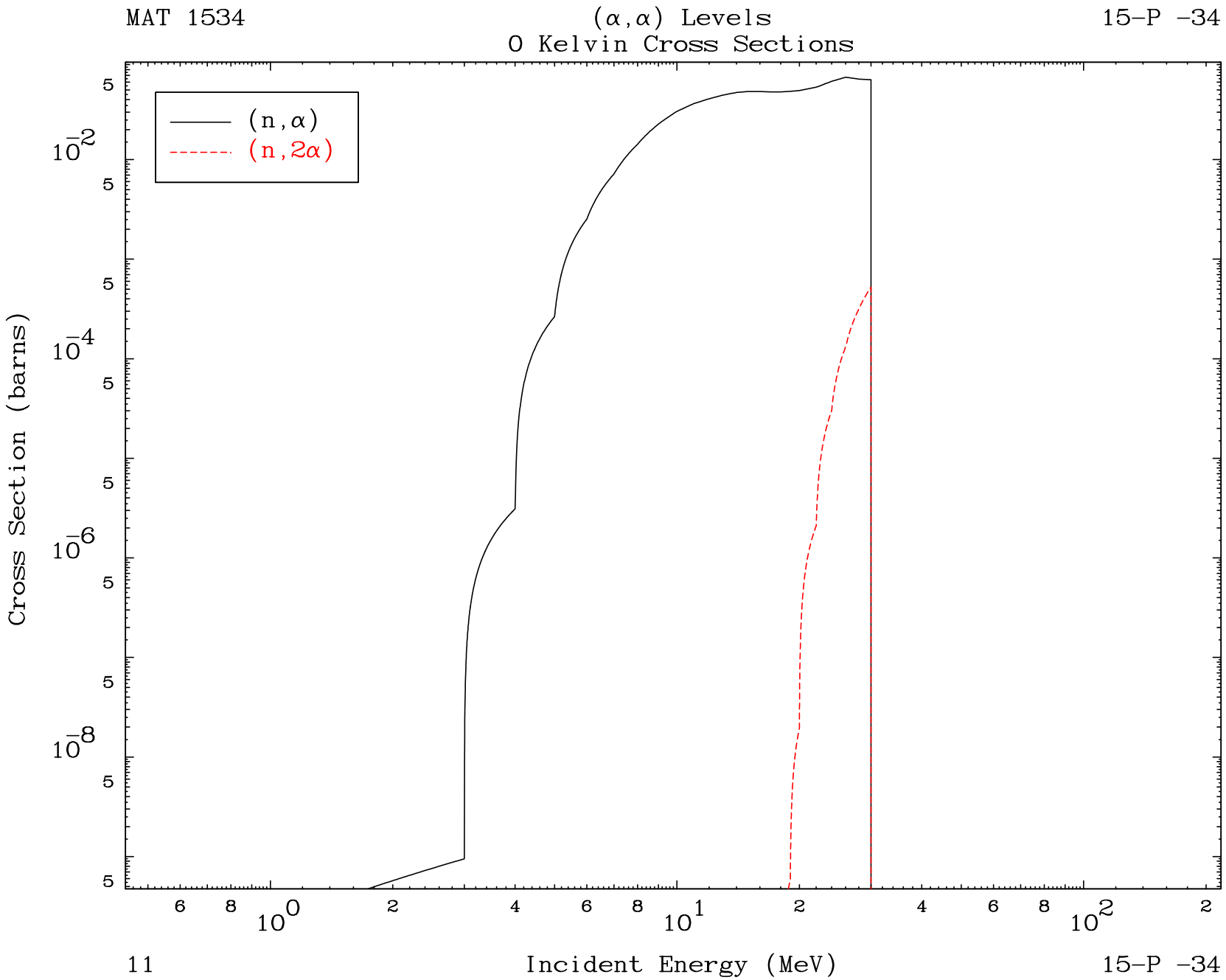


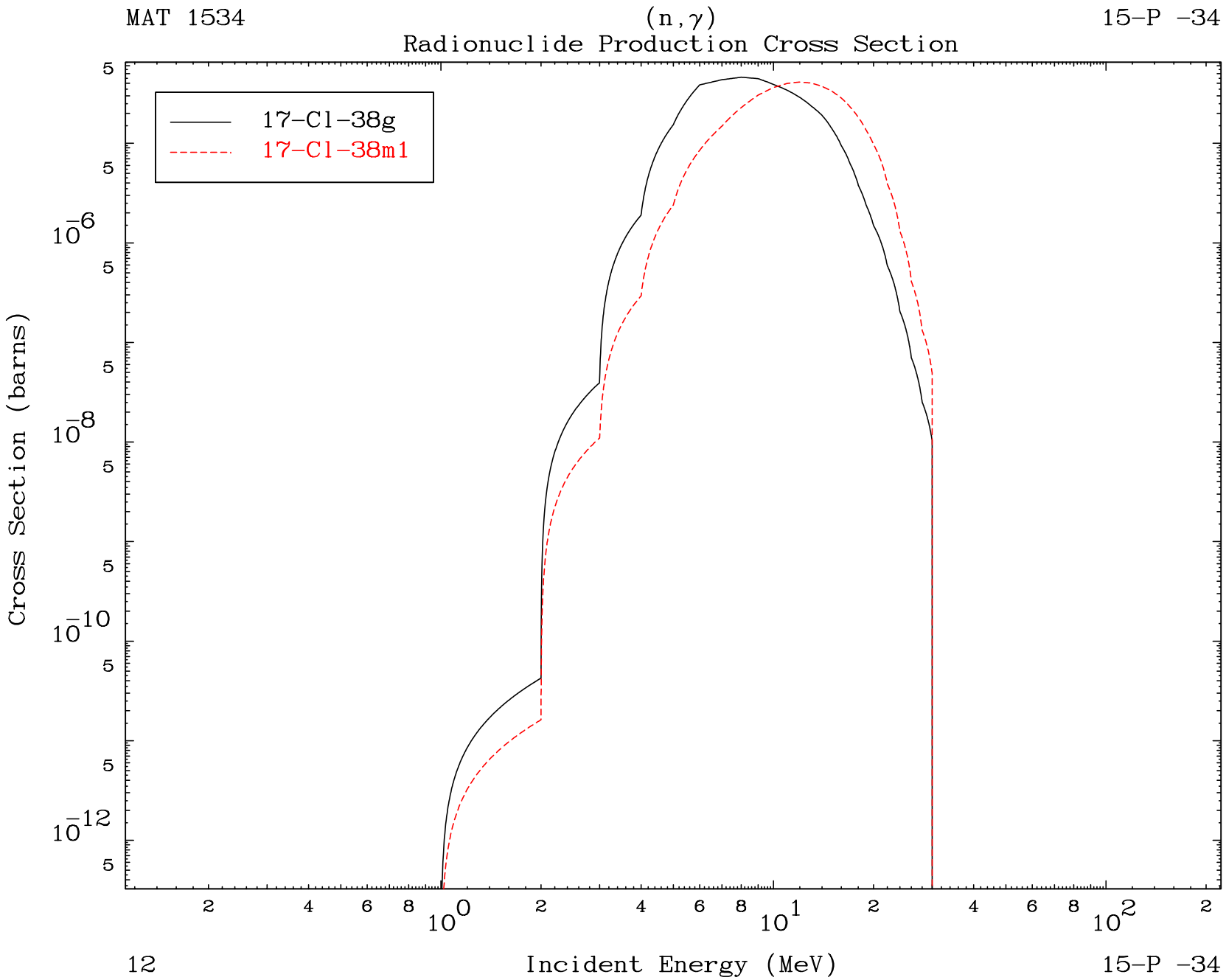
0 Kelvin Cross Sections




MAT 1534
(α,t) Levels
15-P -34
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
15-P -34


MAT 1534
(α,He3) Levels
15-P -34
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
15-P -34


MAT 1534
(α,α) Levels
15-P -34
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6
8
100
2
4
6
8
101
2
4
6
8
102
2
11
Incident Energy (MeV)
15-P -34


MAT 1534
(n,γ)
15-P -34
Radionuclide Production Cross Section
17-Cl-38g
17-Cl-38m1
Cross Section (barns)
Incident Energy (MeV)
12
15-P -34