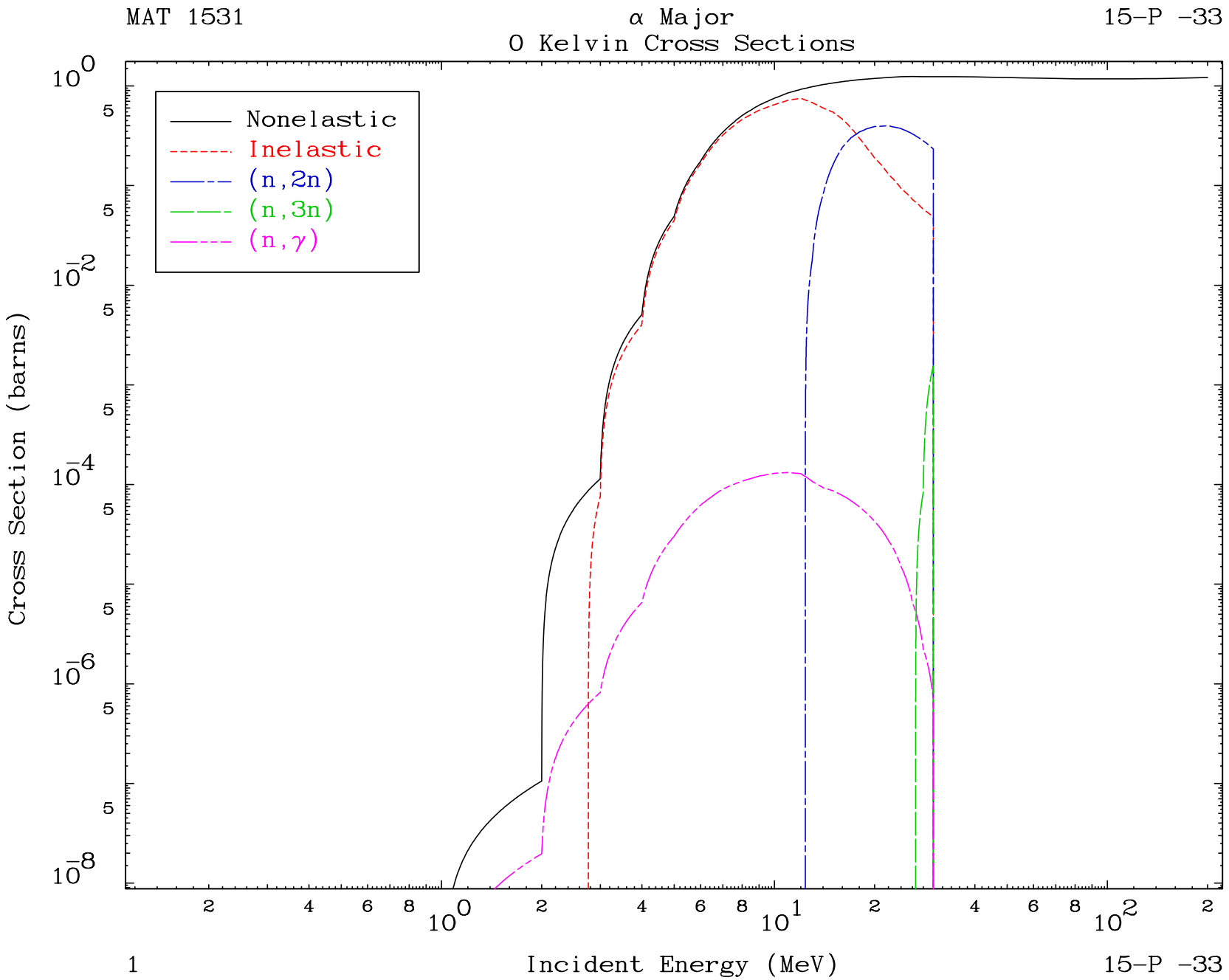
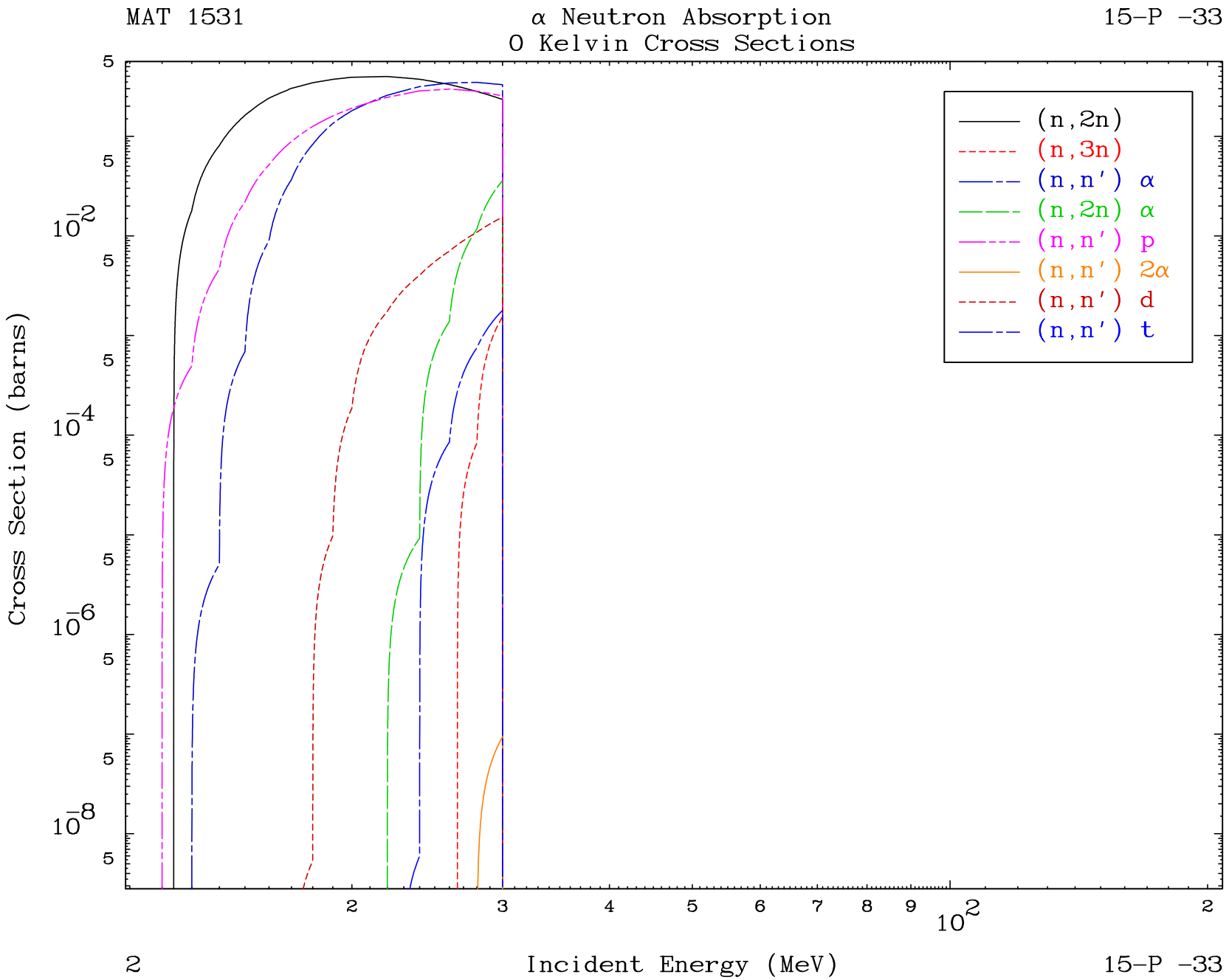
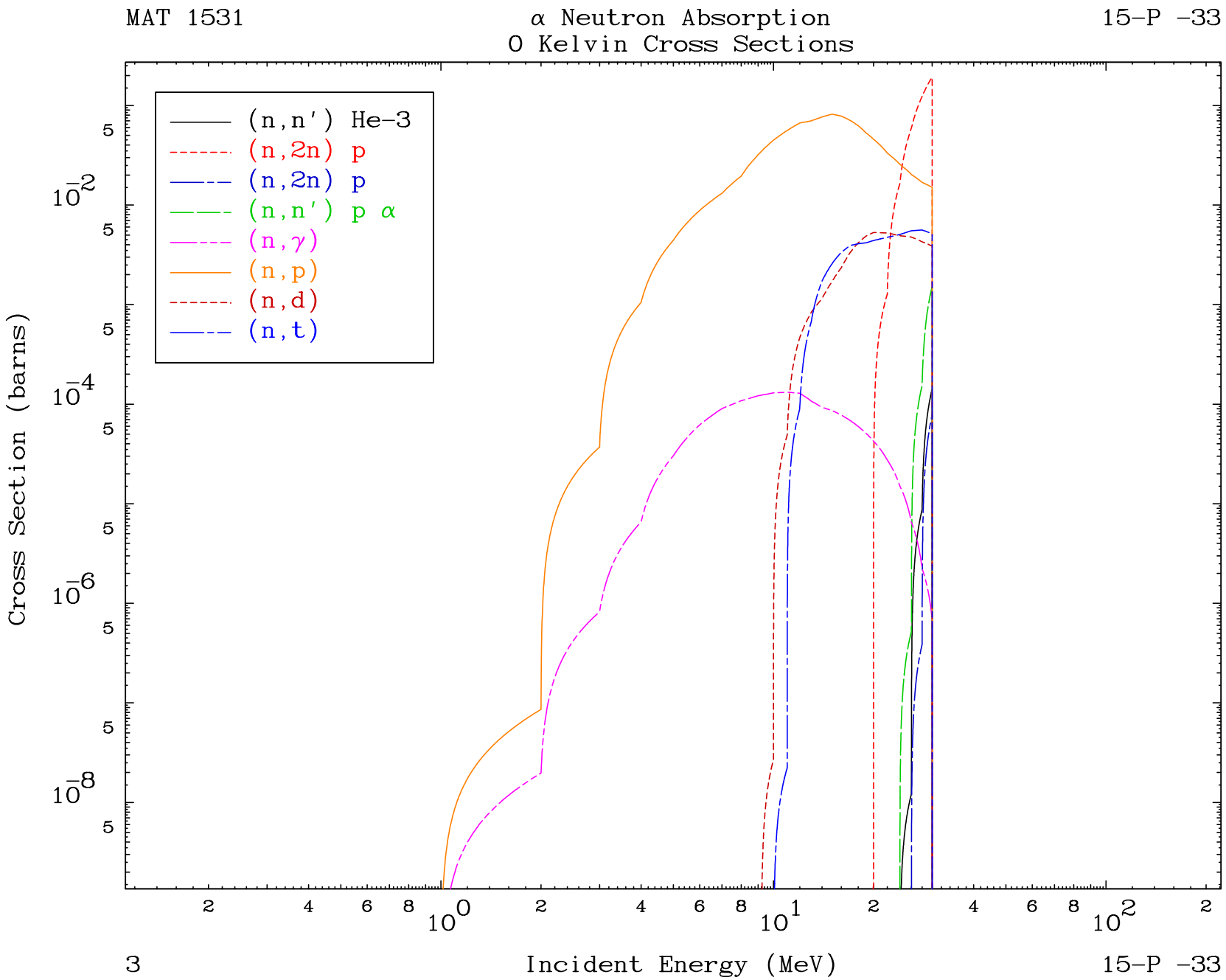
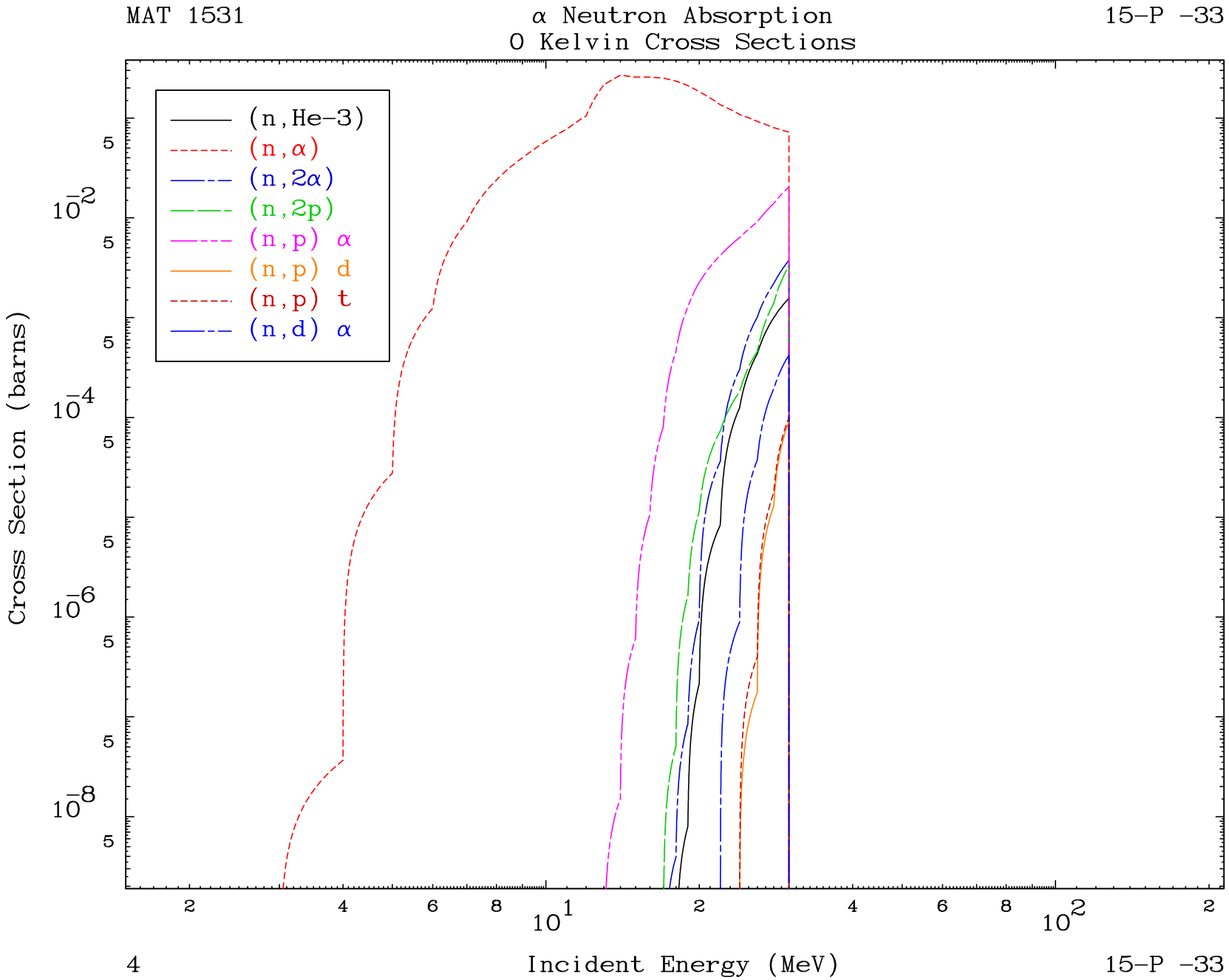
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

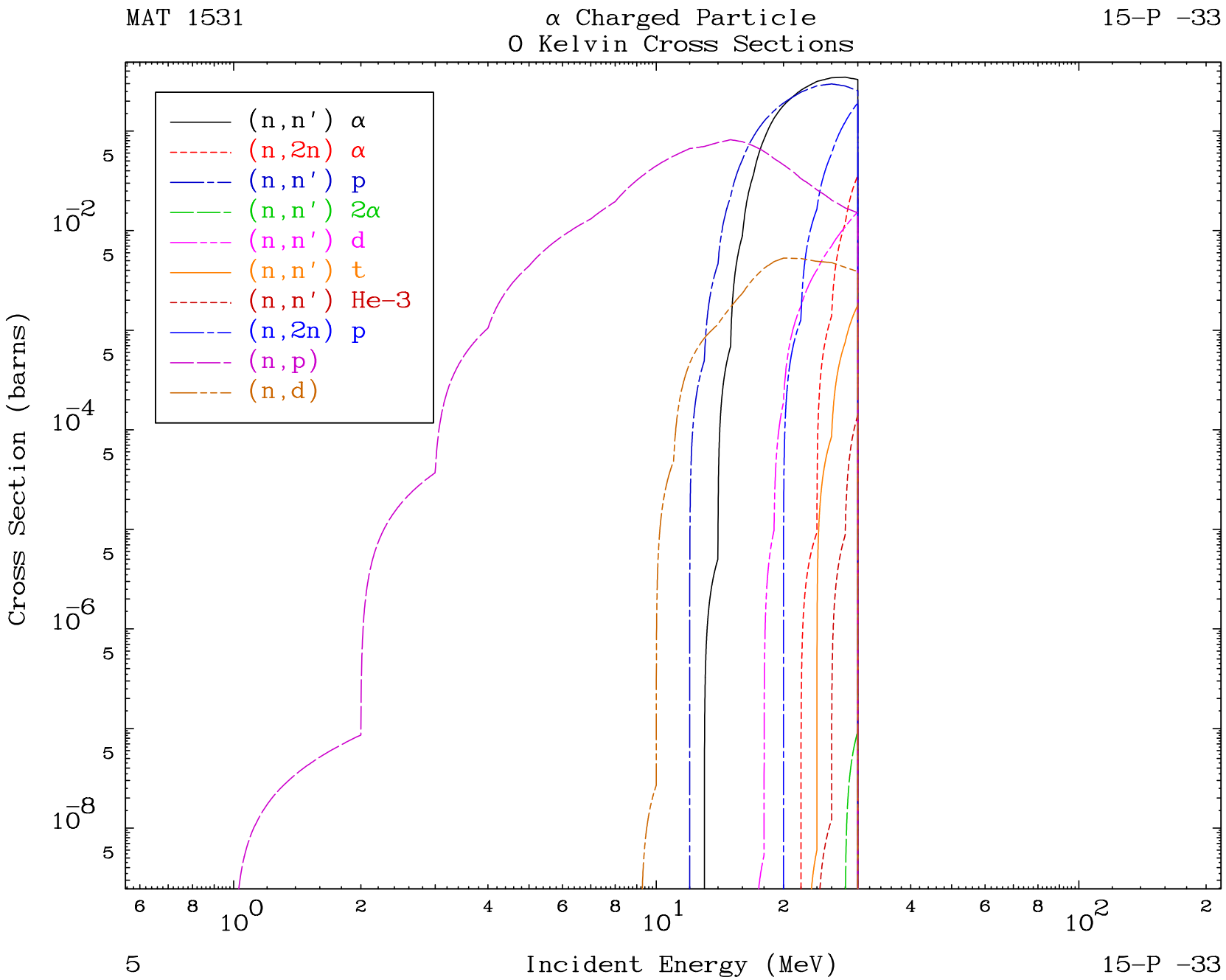
Press Mouse Button to Start

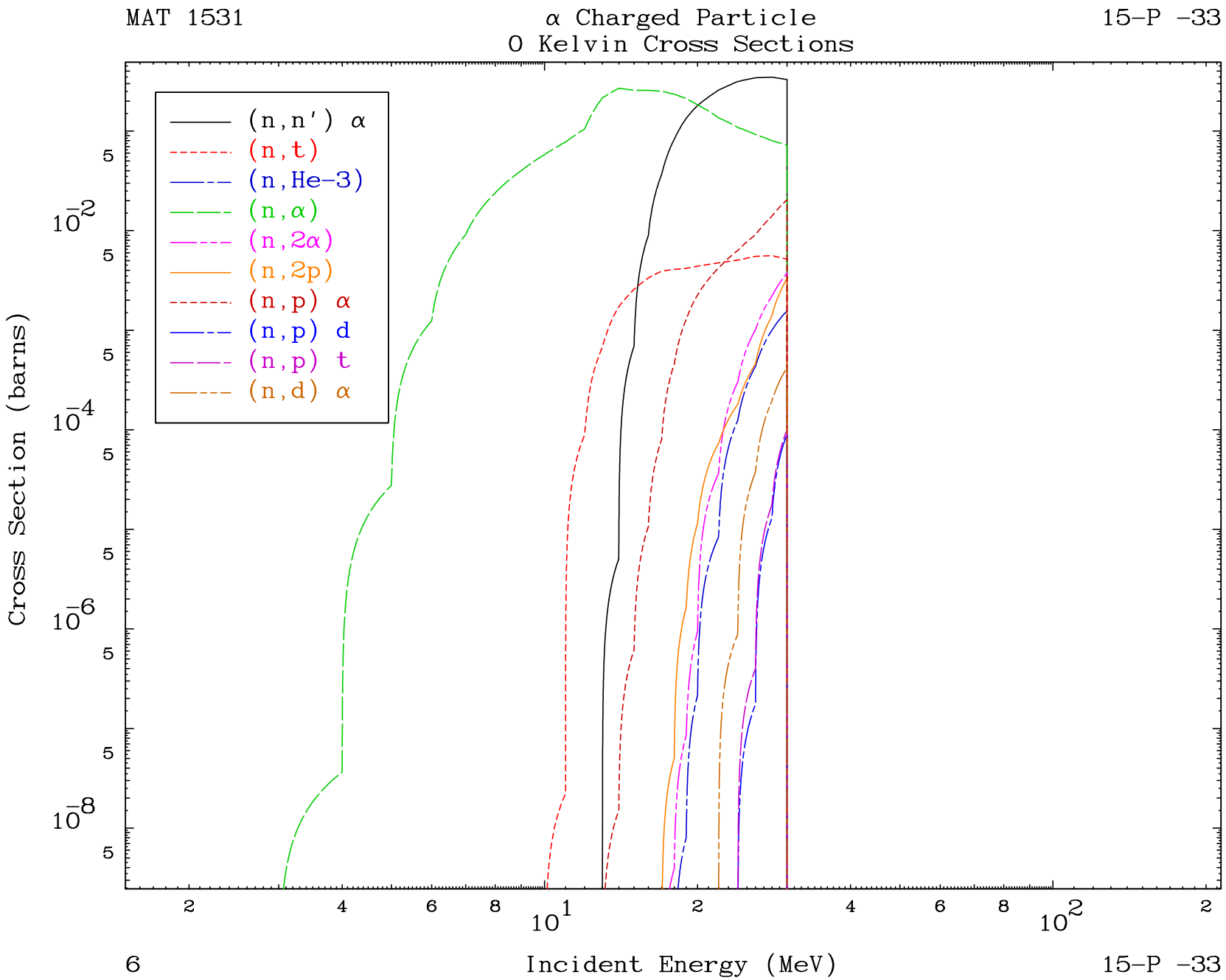

MAT 1531
α Major
15-P -33
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
15-P -33

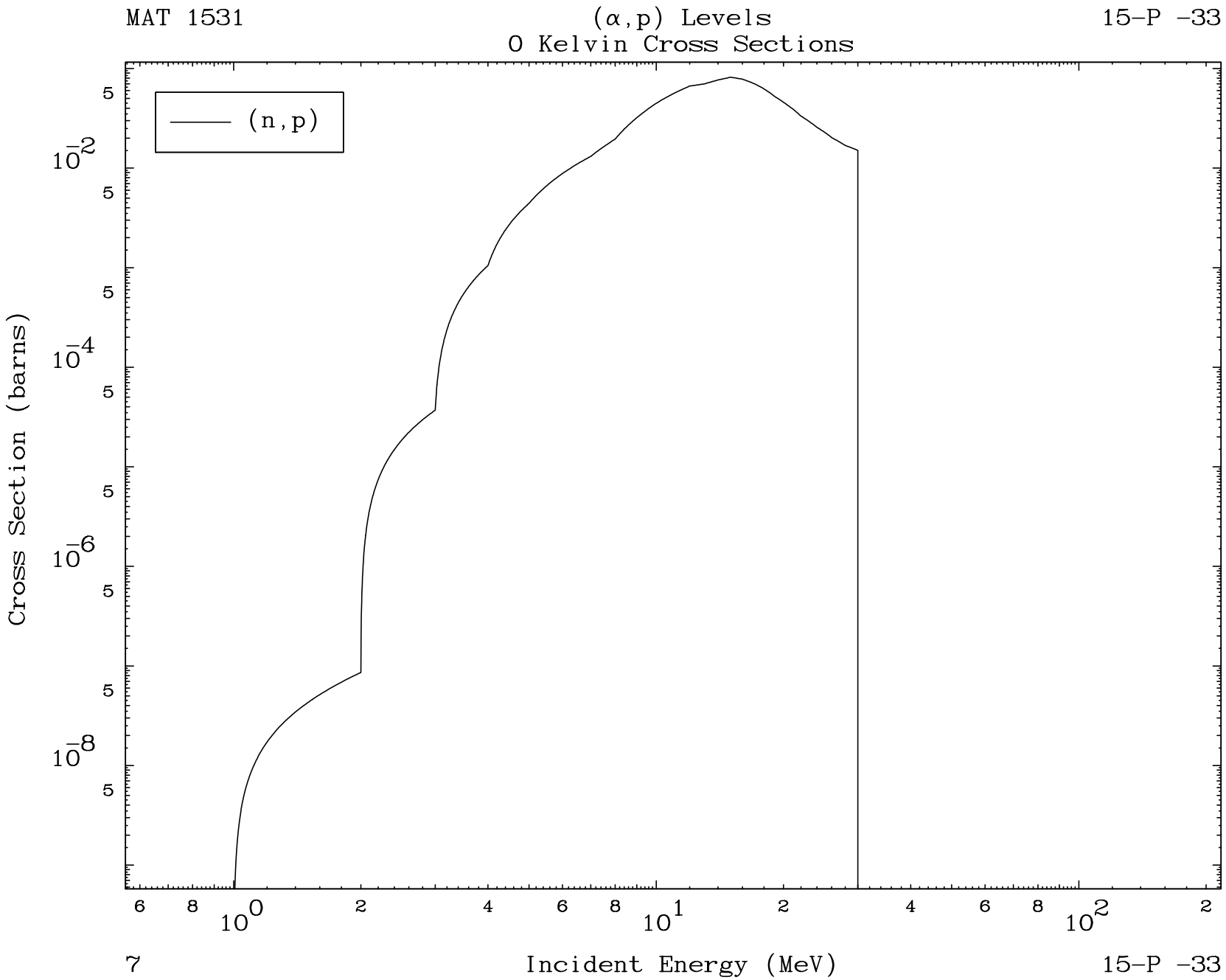

MAT 1531
α Neutron Absorption
0 Kelvin Cross Sections
15-P -33
Cross Section (barns)
Incident Energy (MeV)
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t

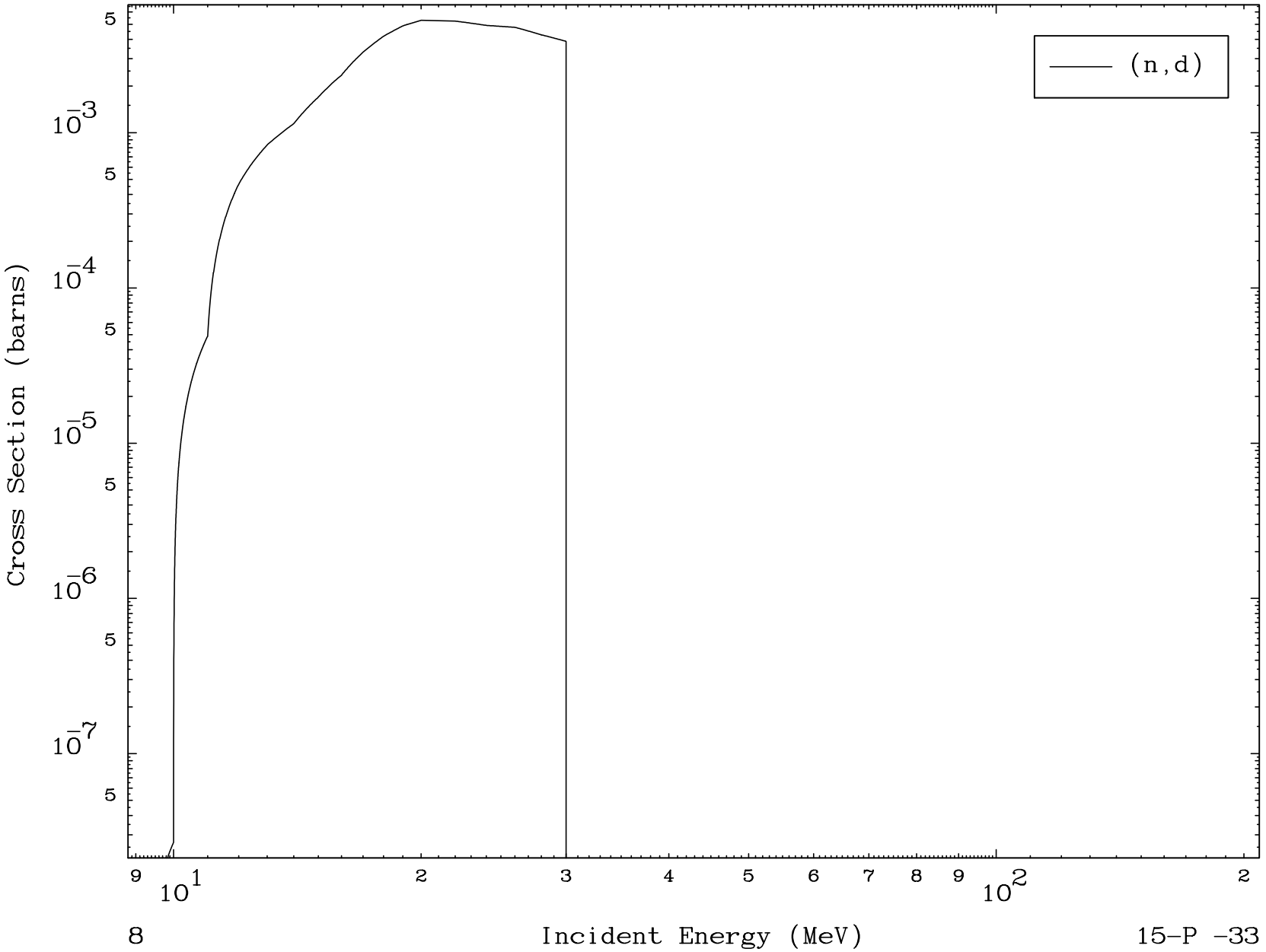

MAT 1531
α Neutron Absorption
0 Kelvin Cross Sections
15-P -33
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
15-P -33


MAT 1531
α Neutron Absorption
0 Kelvin Cross Sections
15-P -33
(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 -33

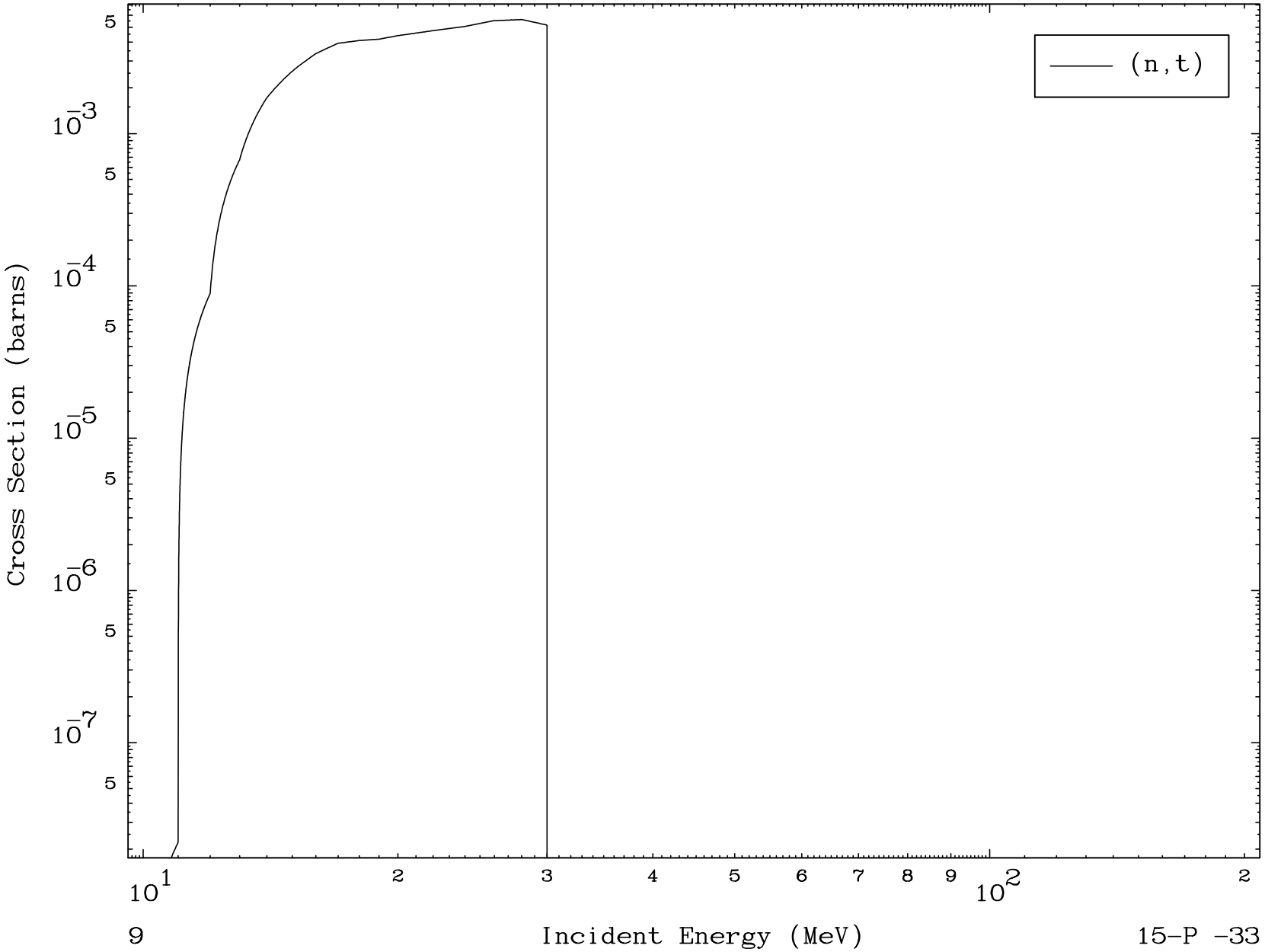

MAT 1531
α Charged Particle
0 Kelvin Cross Sections
15-P -33
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
5
15-P -33

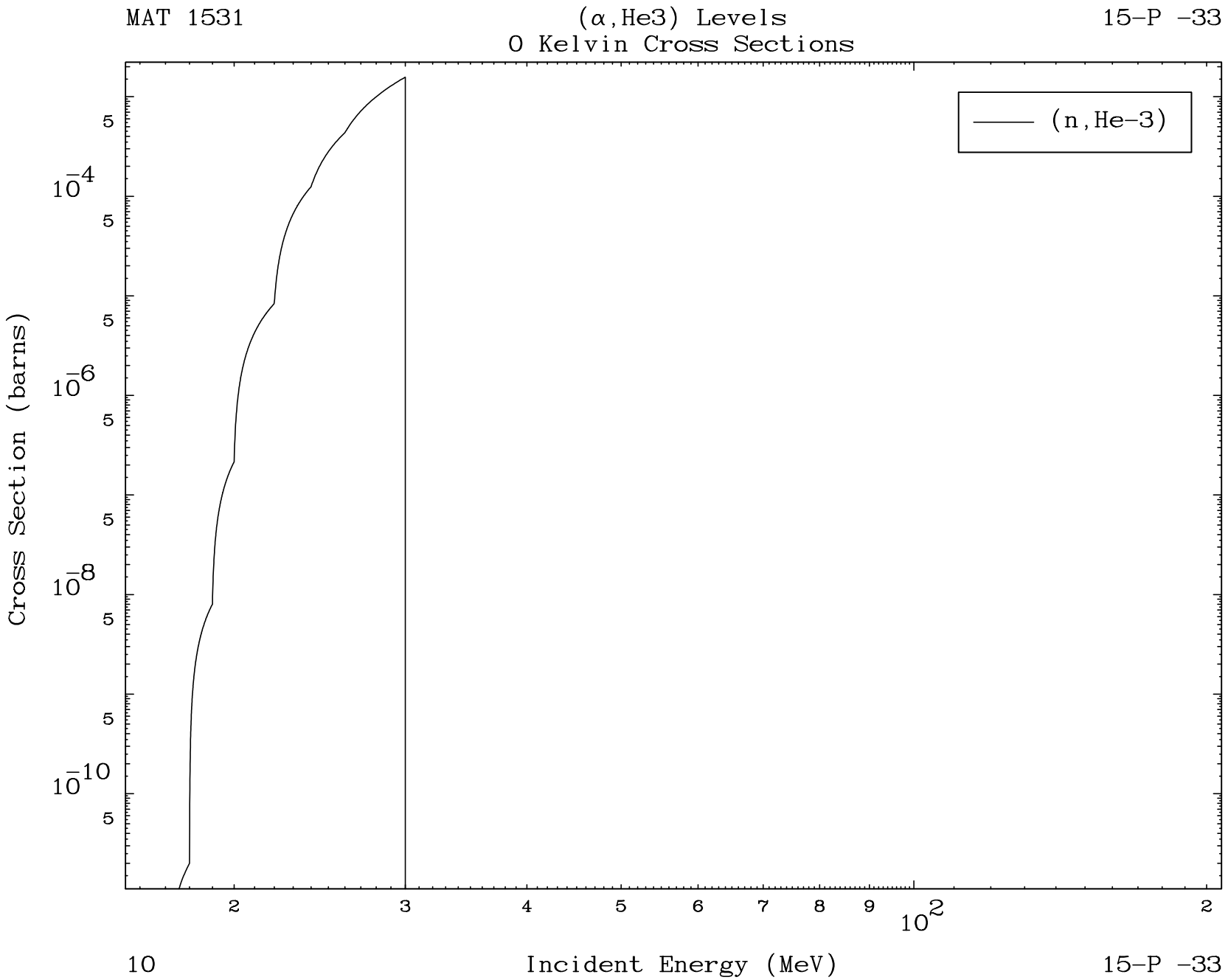

MAT 1531
α Charged Particle
0 Kelvin Cross Sections
15-P -33
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
15-P -33

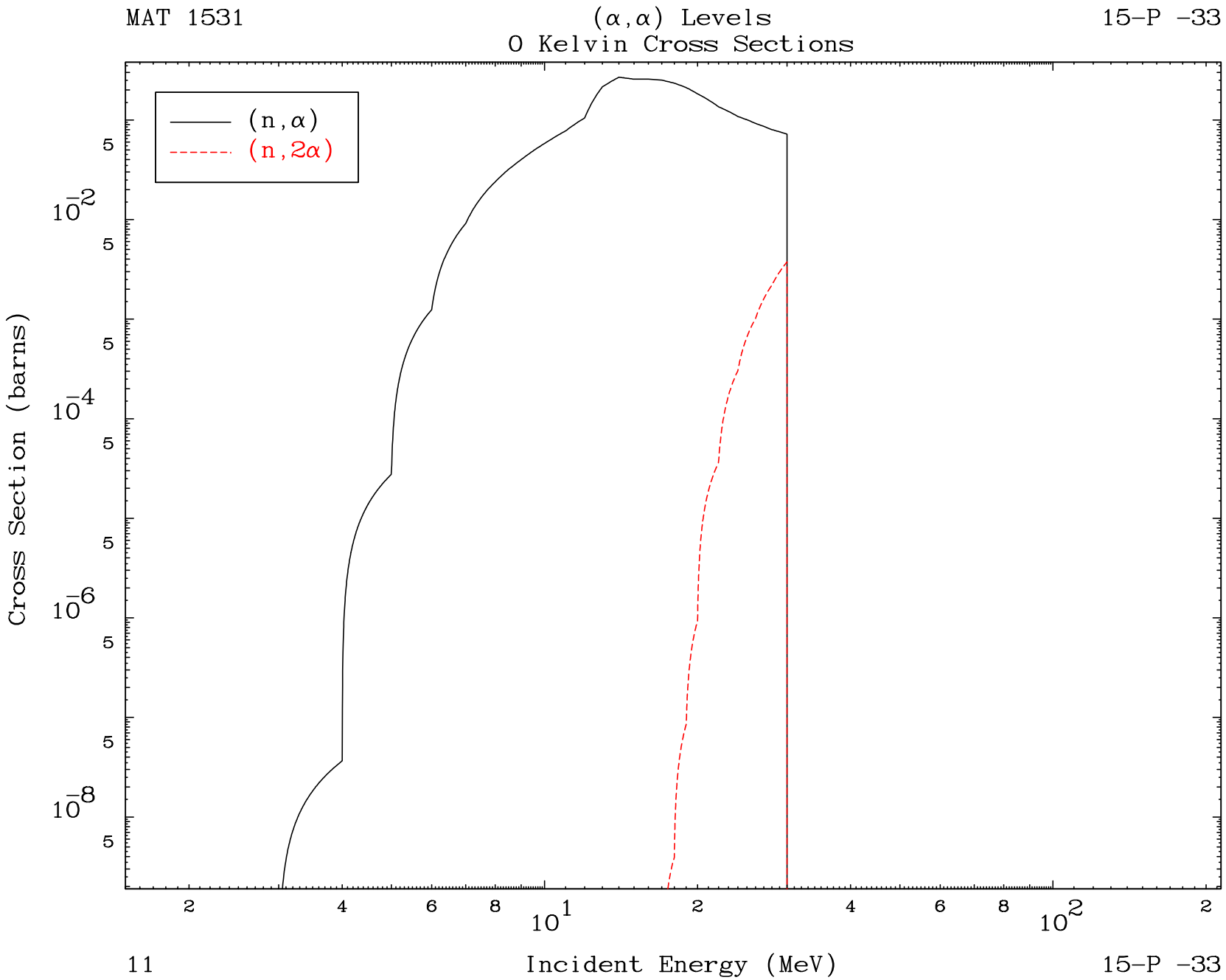

MAT 1531
(α,p) Levels
15-P -33
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)
7
15-P -33

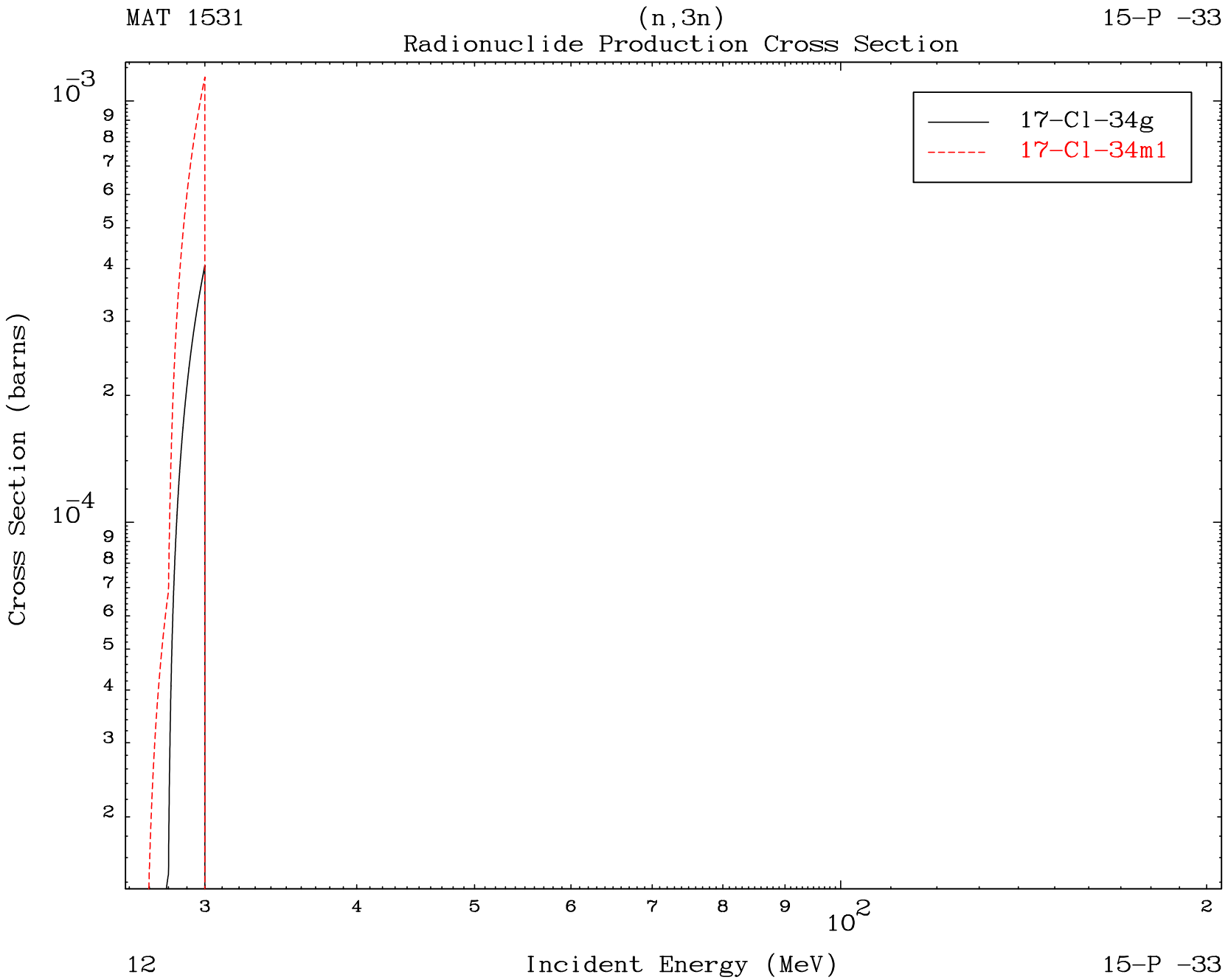

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
10^-3
10^-4
10^-5
10^-6
10^-7
10^1
10^2

0 Kelvin Cross Sections




MAT 1531
(α,He3) Levels
0 Kelvin Cross Sections
15-P -33
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
6
7
8
9
10^2
10
Incident Energy (MeV)
15-P -33


MAT 1531
(α,α) Levels
15-P -33
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10^1
10^2
11
Incident Energy (MeV)
15-P -33


MAT 1531
(n,3n)
15-P -33
Radionuclide Production Cross Section
17-Cl-34g
17-Cl-34m1
Cross Section (barns)
10^-3
10^-4
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
15-P -33