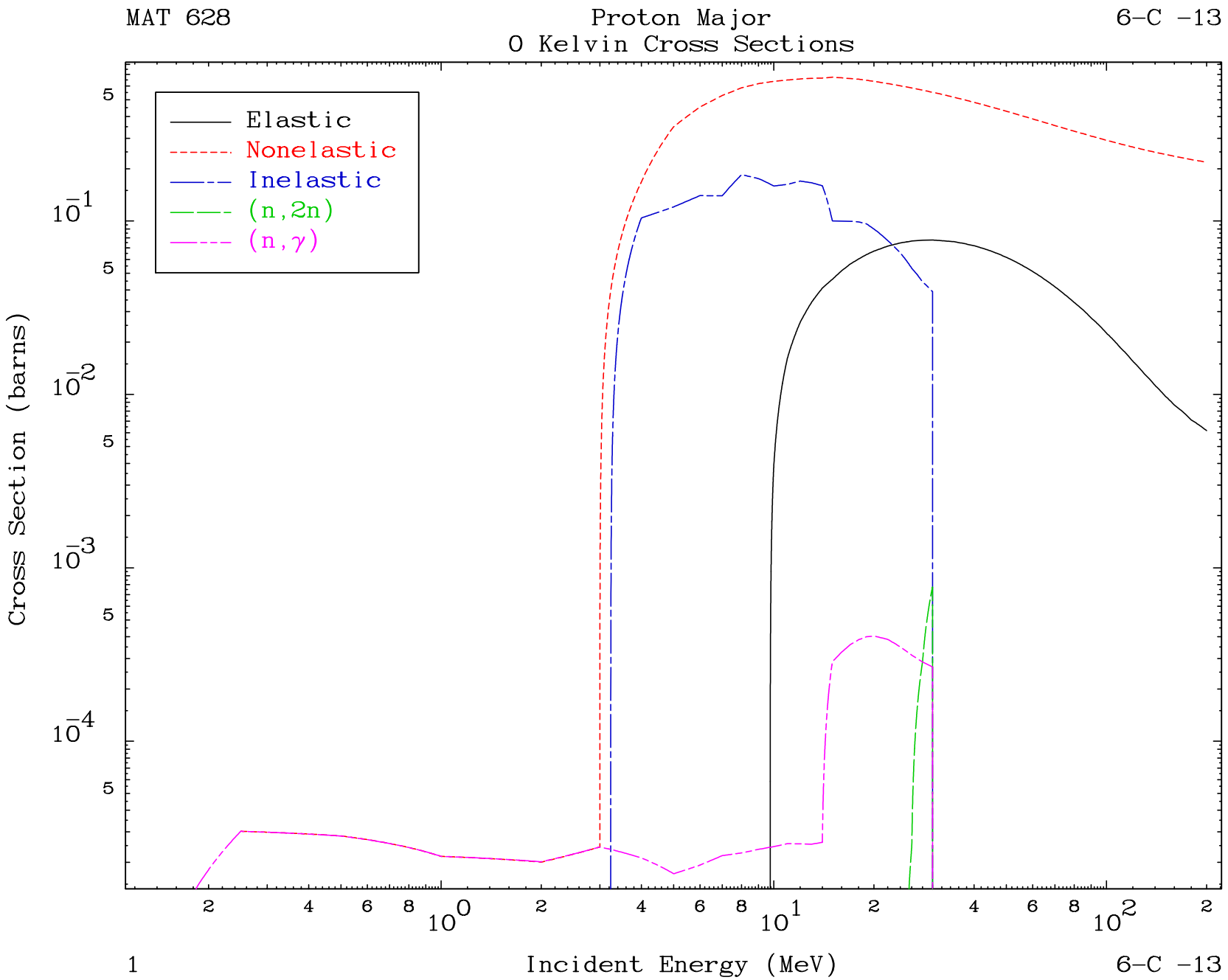
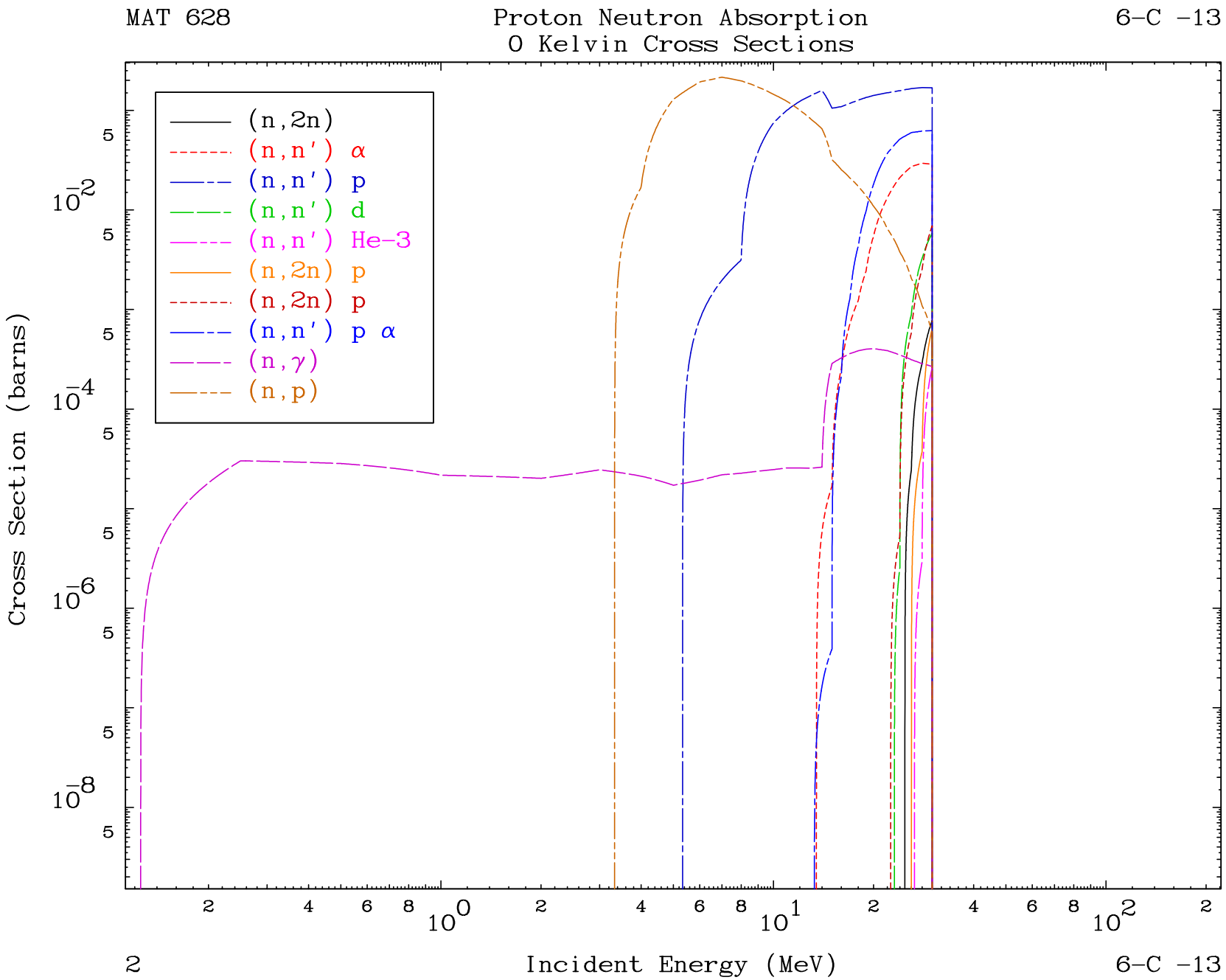
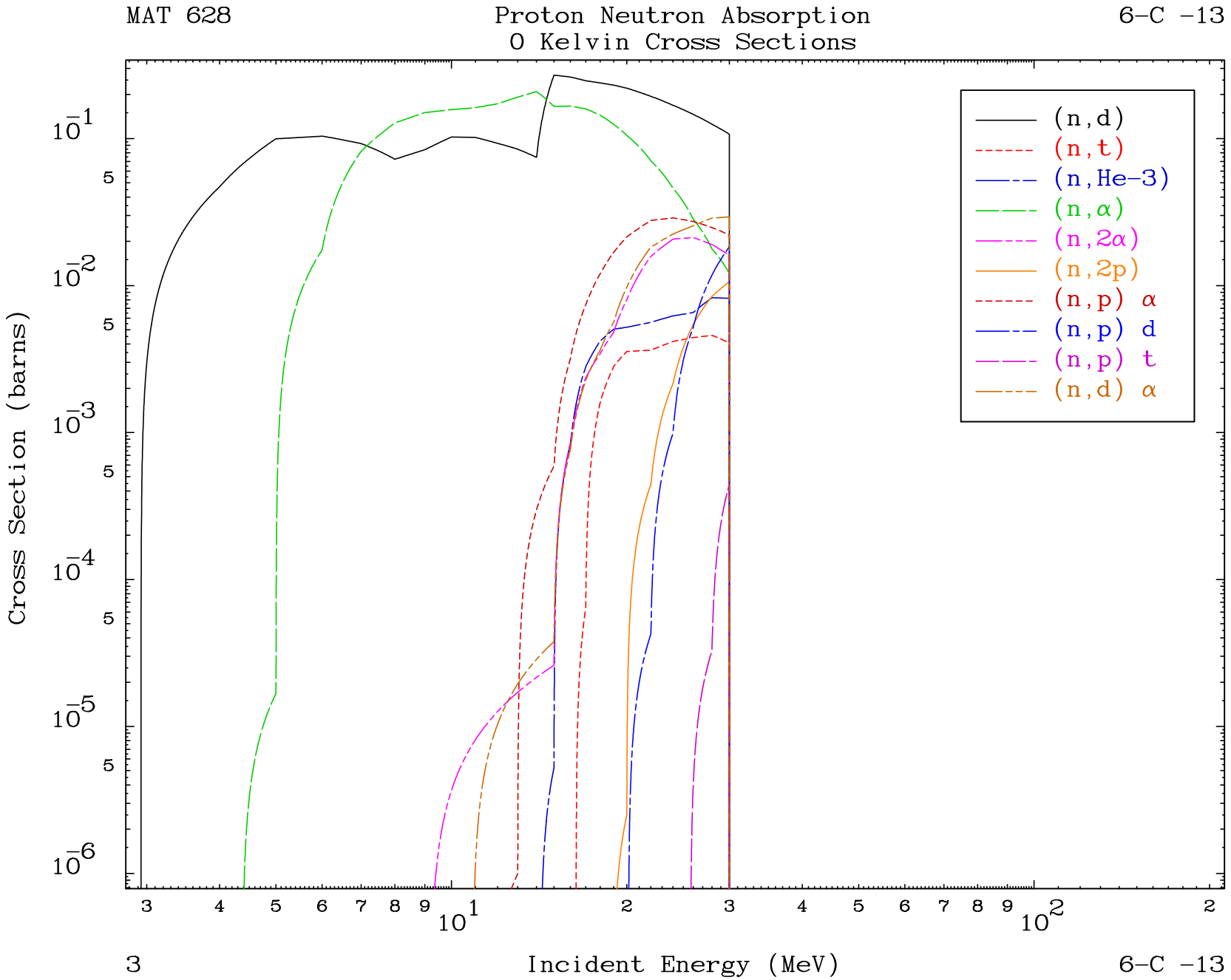
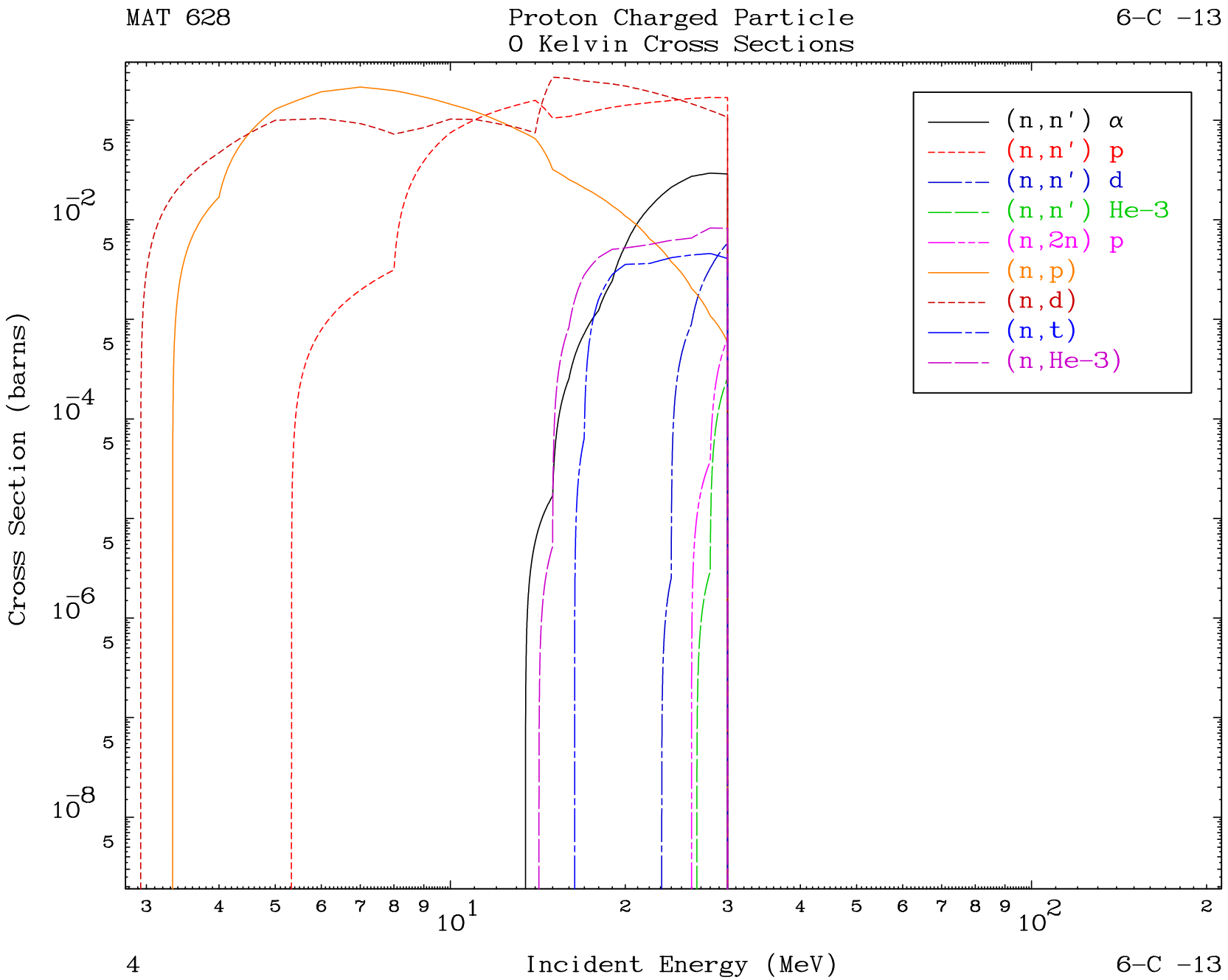
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

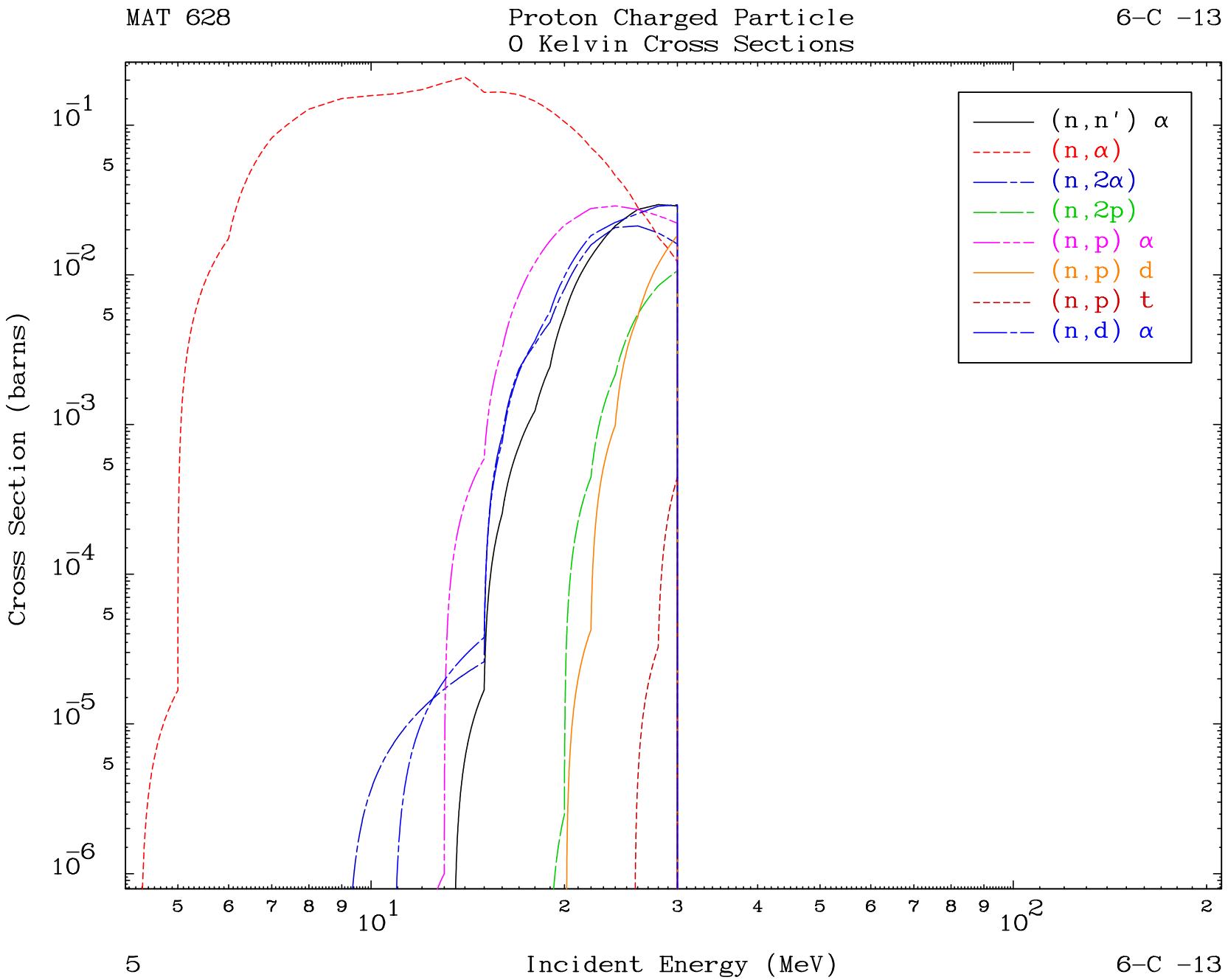
Press Mouse Button to Start

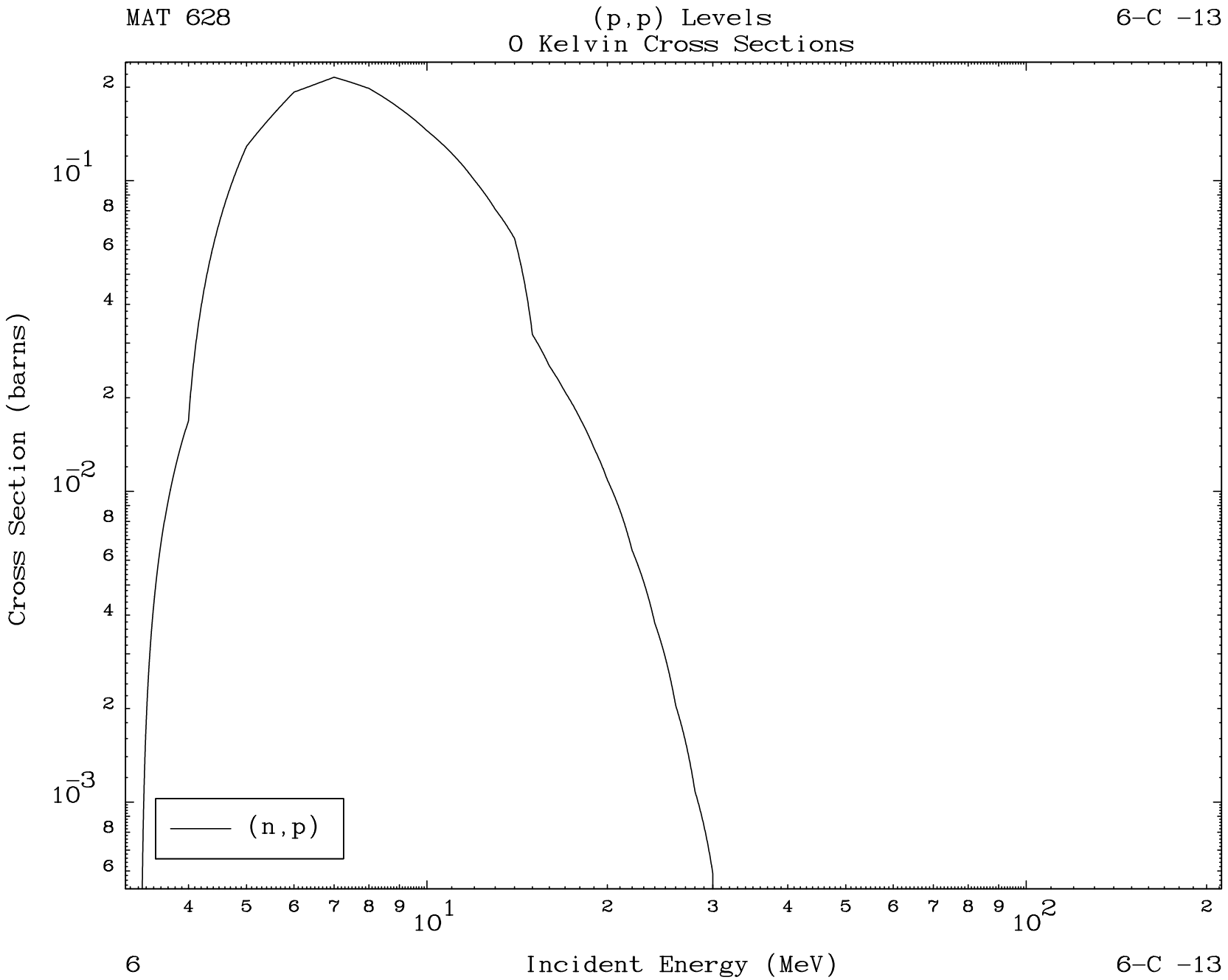

MAT 628
Proton Major
6-C -13
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
6-C -13


MAT 628
Proton Neutron Absorption
0 Kelvin Cross Sections
6-C -13
(n,2n)
(n,n') α
(n,n') p
(n,n') d
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
2
6-C -13

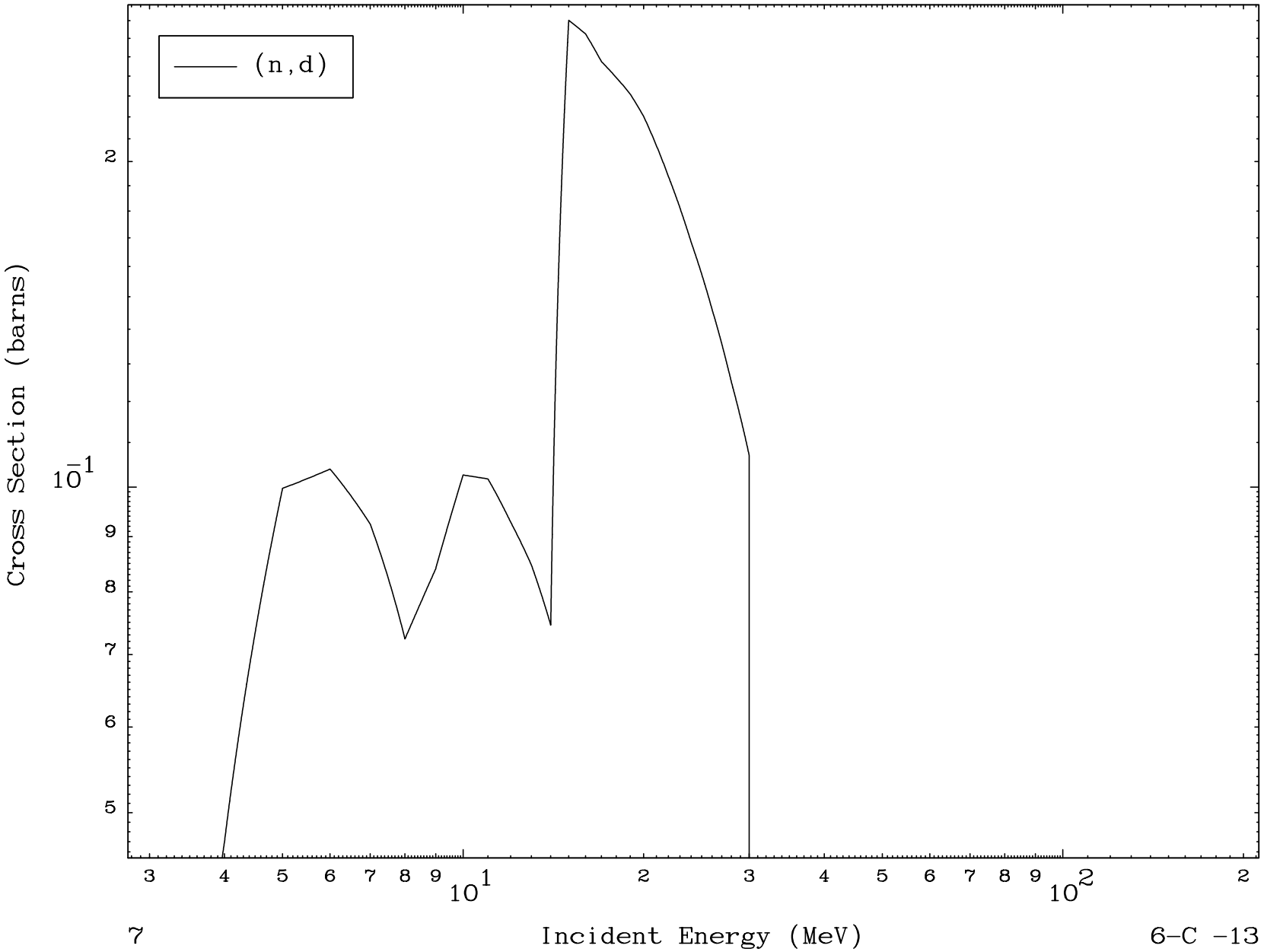

MAT 628
Proton Neutron Absorption
0 Kelvin Cross Sections
6-C -13
Cross Section (barns)
Incident Energy (MeV)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
6-C -13
3

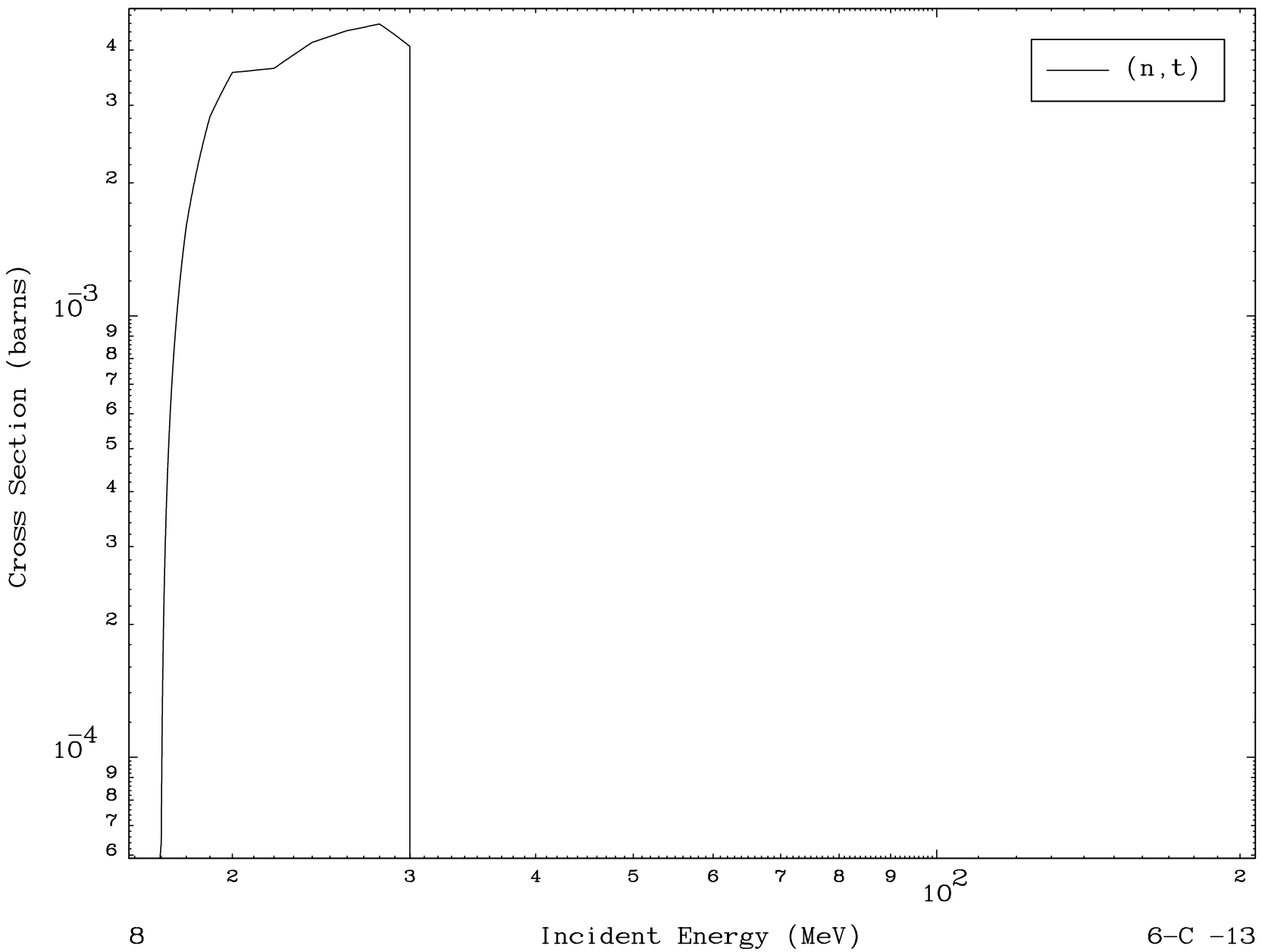

MAT 628
Proton Charged Particle
0 Kelvin Cross Sections
6-C -13
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') p
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
4
6-C -13


MAT 628
Proton Charged Particle
0 Kelvin Cross Sections
6-C -13
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
5
6-C -13

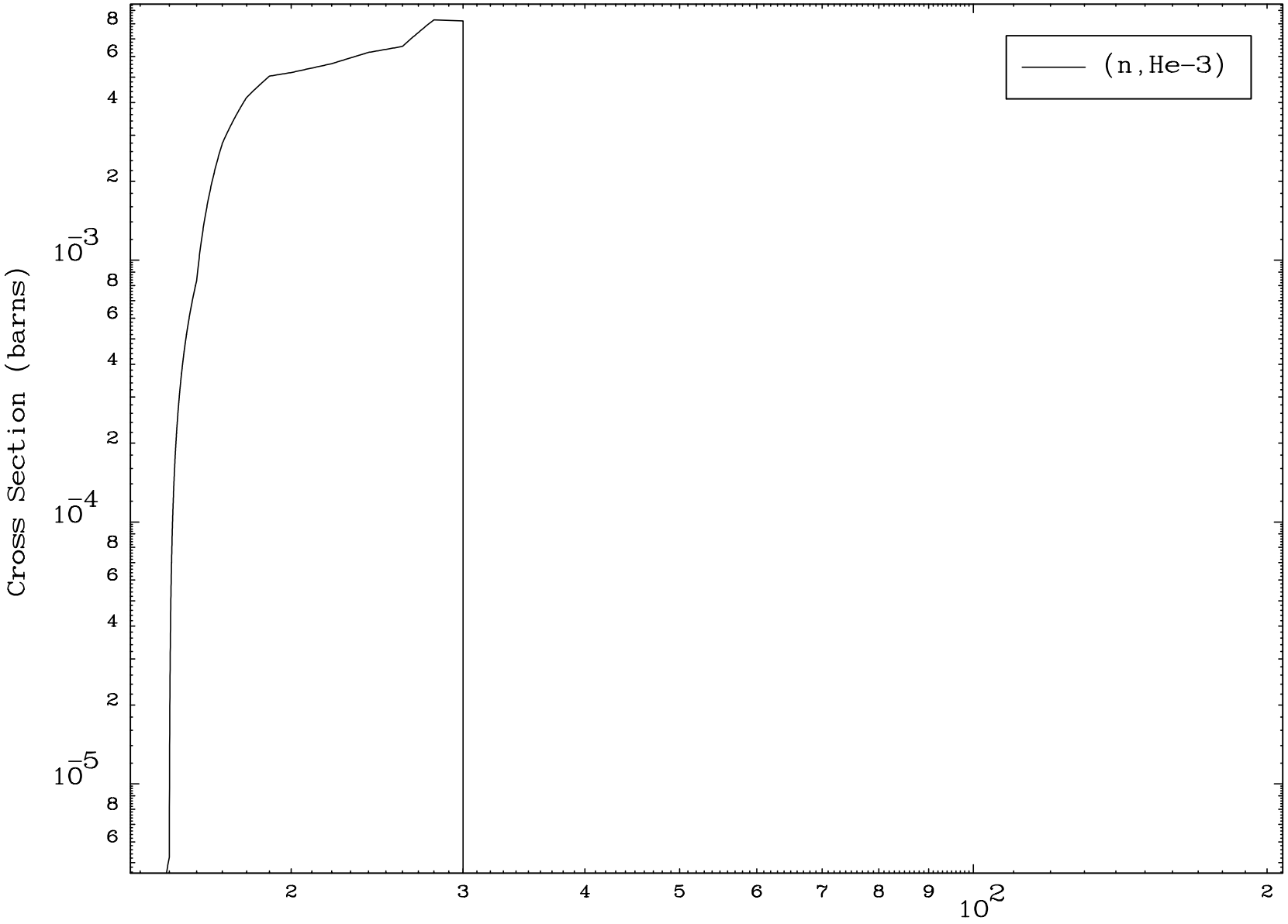

MAT 628
(p,p) Levels
6-C -13
0 Kelvin Cross Sections
Cross Section (barns)
(n,p)
Incident Energy (MeV)
6
6-C -13

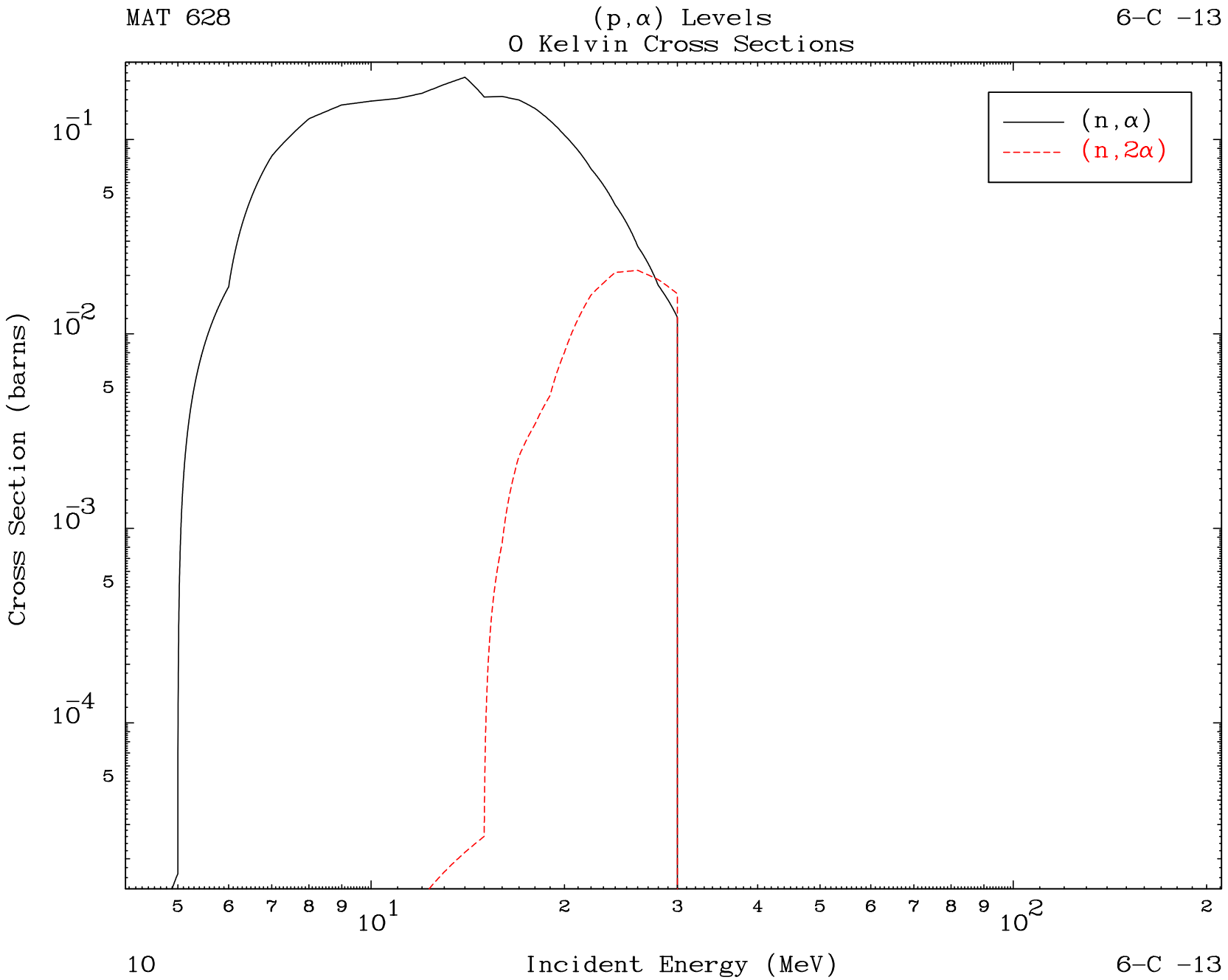
0 Kelvin Cross Sections




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

0 Kelvin Cross Sections




MAT 628
(p,α) Levels
6-C -13
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-1
5
10^-2
5
10^-3
5
10^-4
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
6-C -13