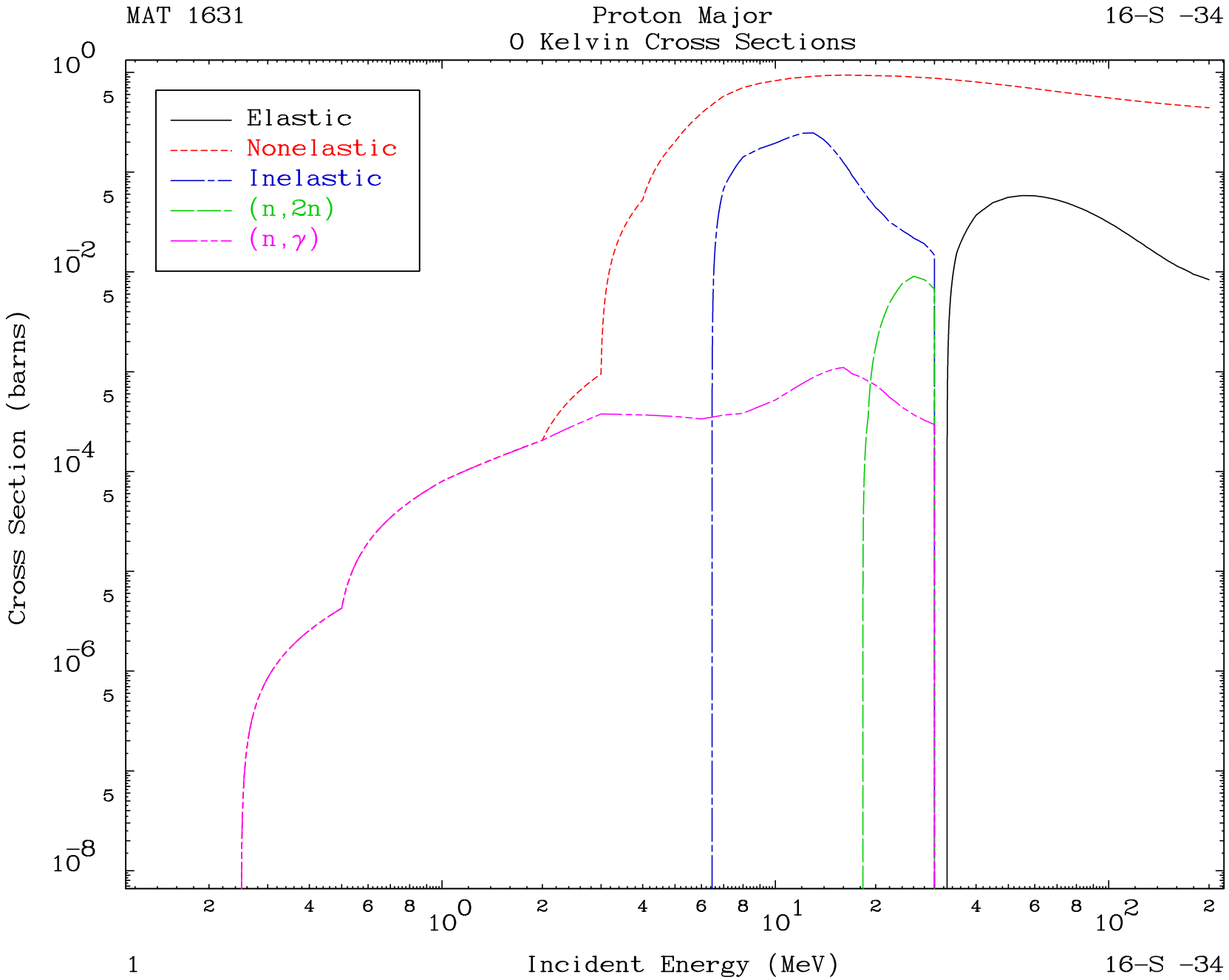
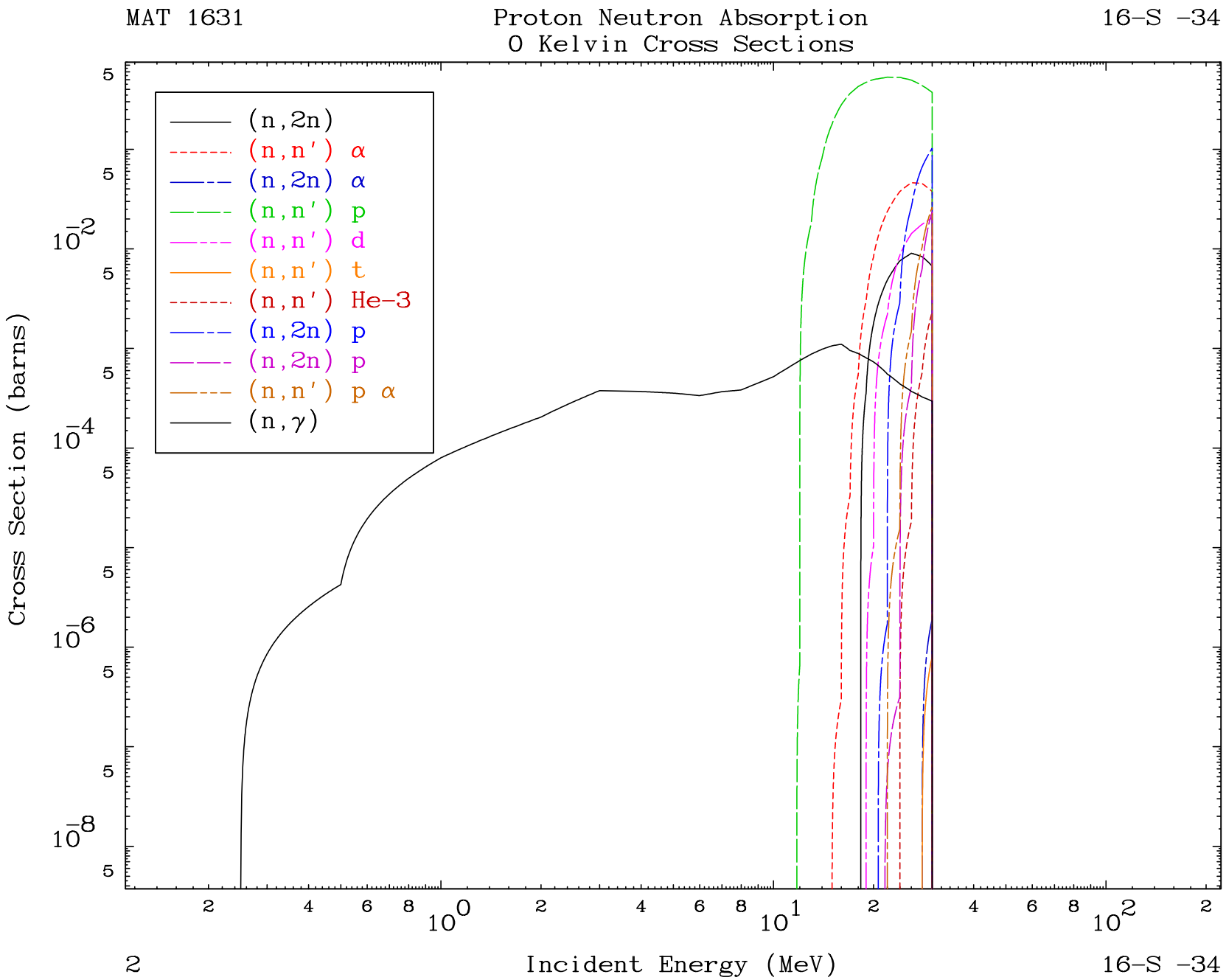
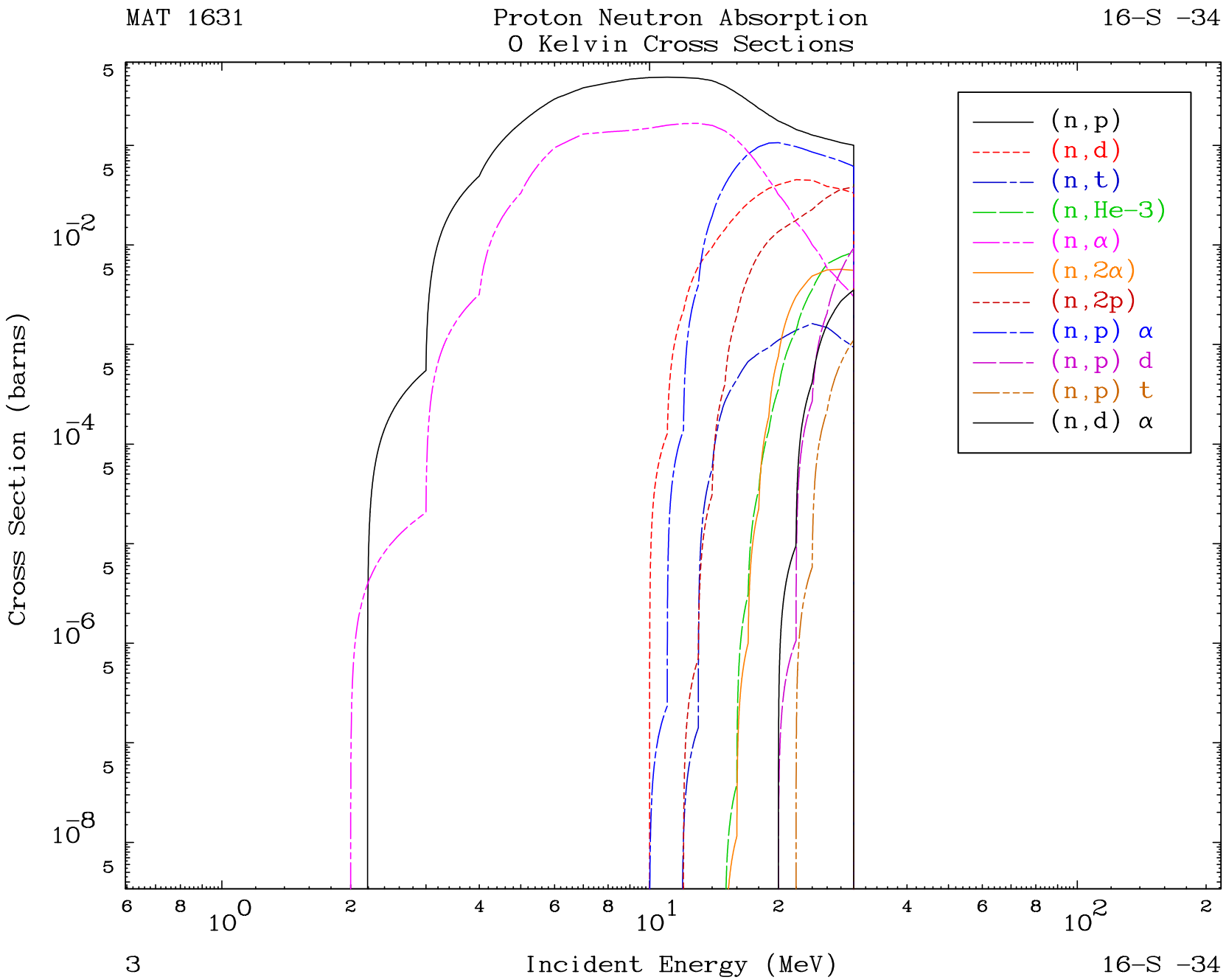
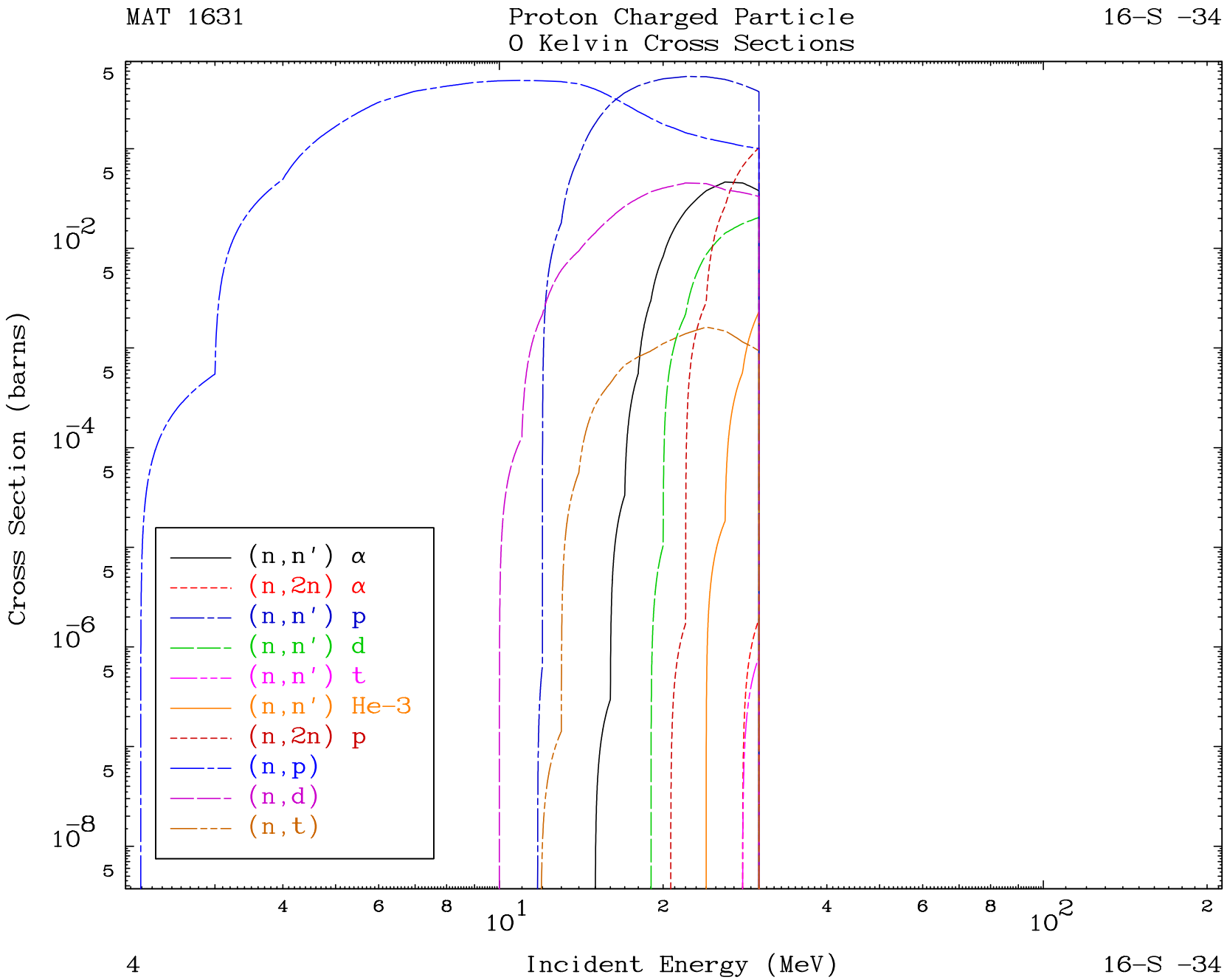
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

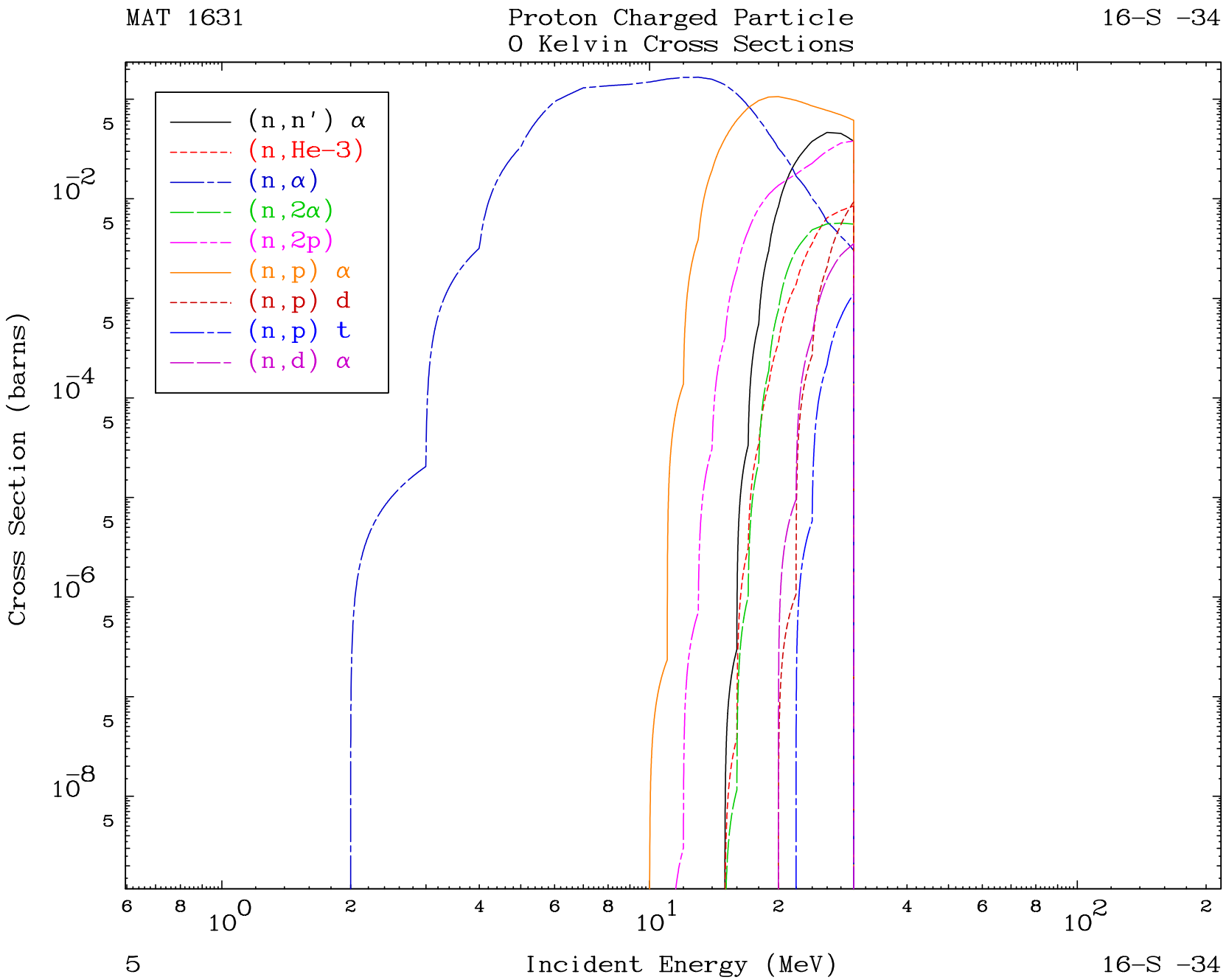
Press Mouse Button to Start


MAT 1631
Proton Major
16-S -34
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
16-S -34

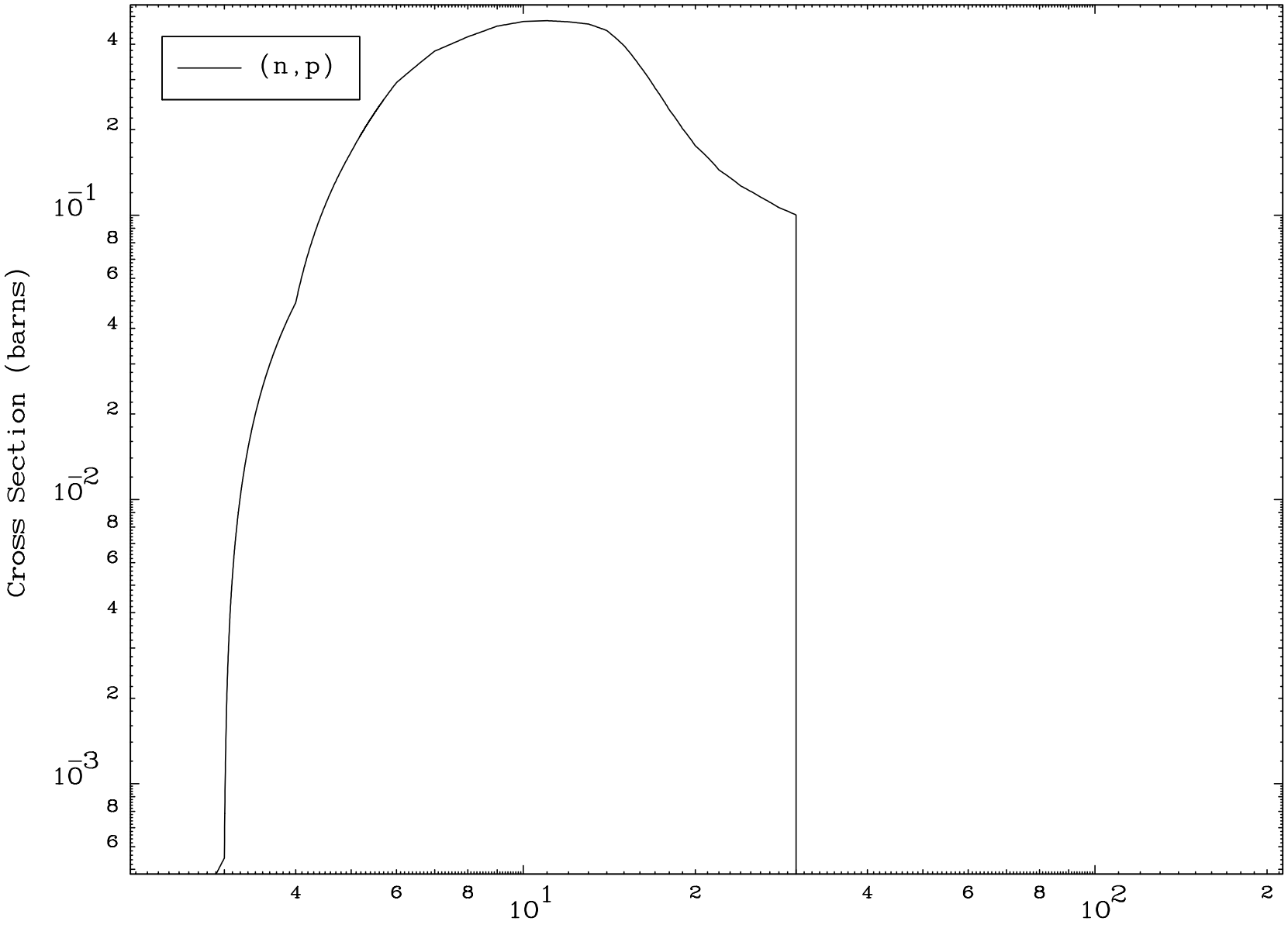

MAT 1631
Proton Neutron Absorption
0 Kelvin Cross Sections
16-S -34
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
2
16-S -34

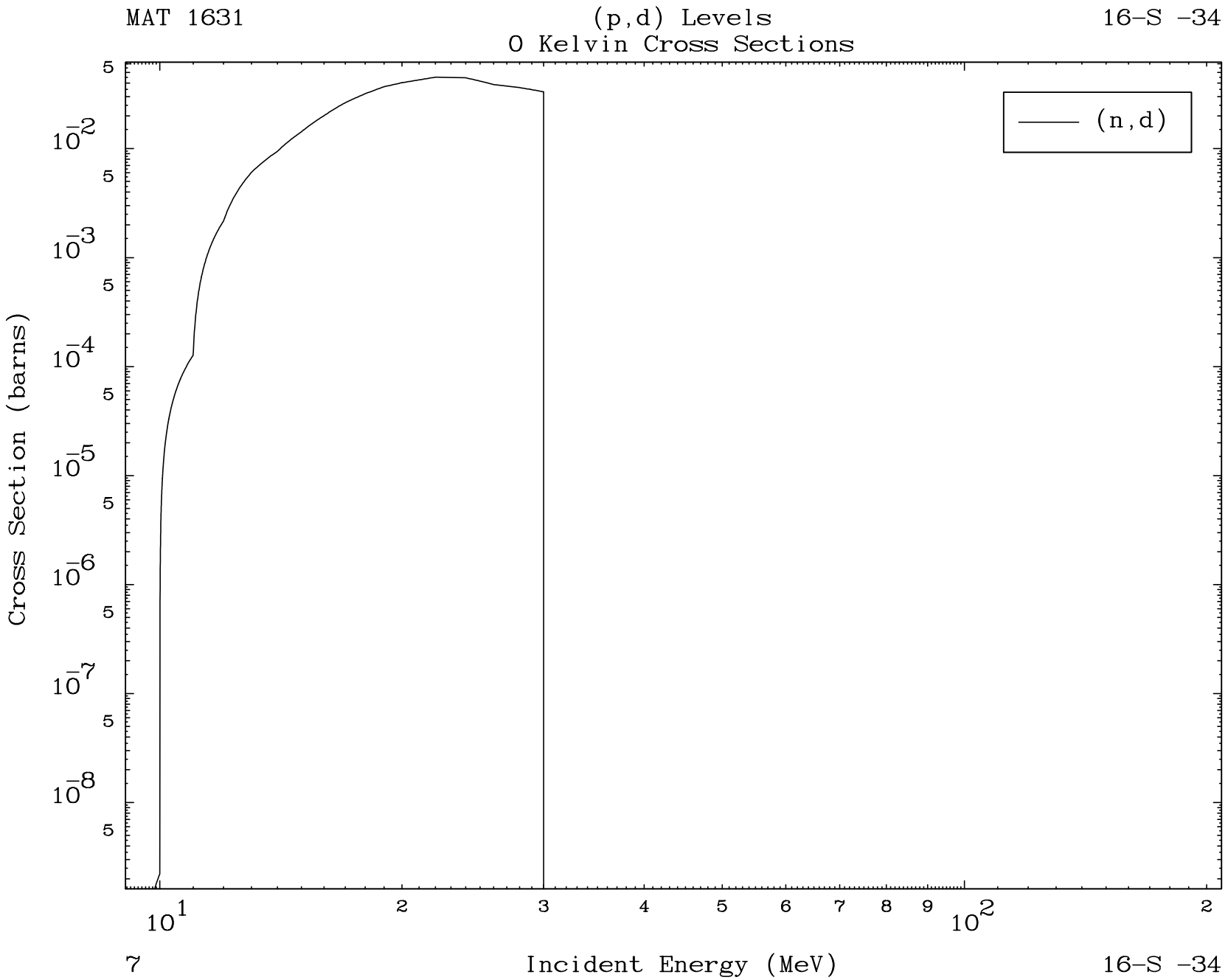

MAT 1631
Proton Neutron Absorption
0 Kelvin Cross Sections
16-S -34
Cross Section (barns)
Incident Energy (MeV)
3
16-S -34
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α

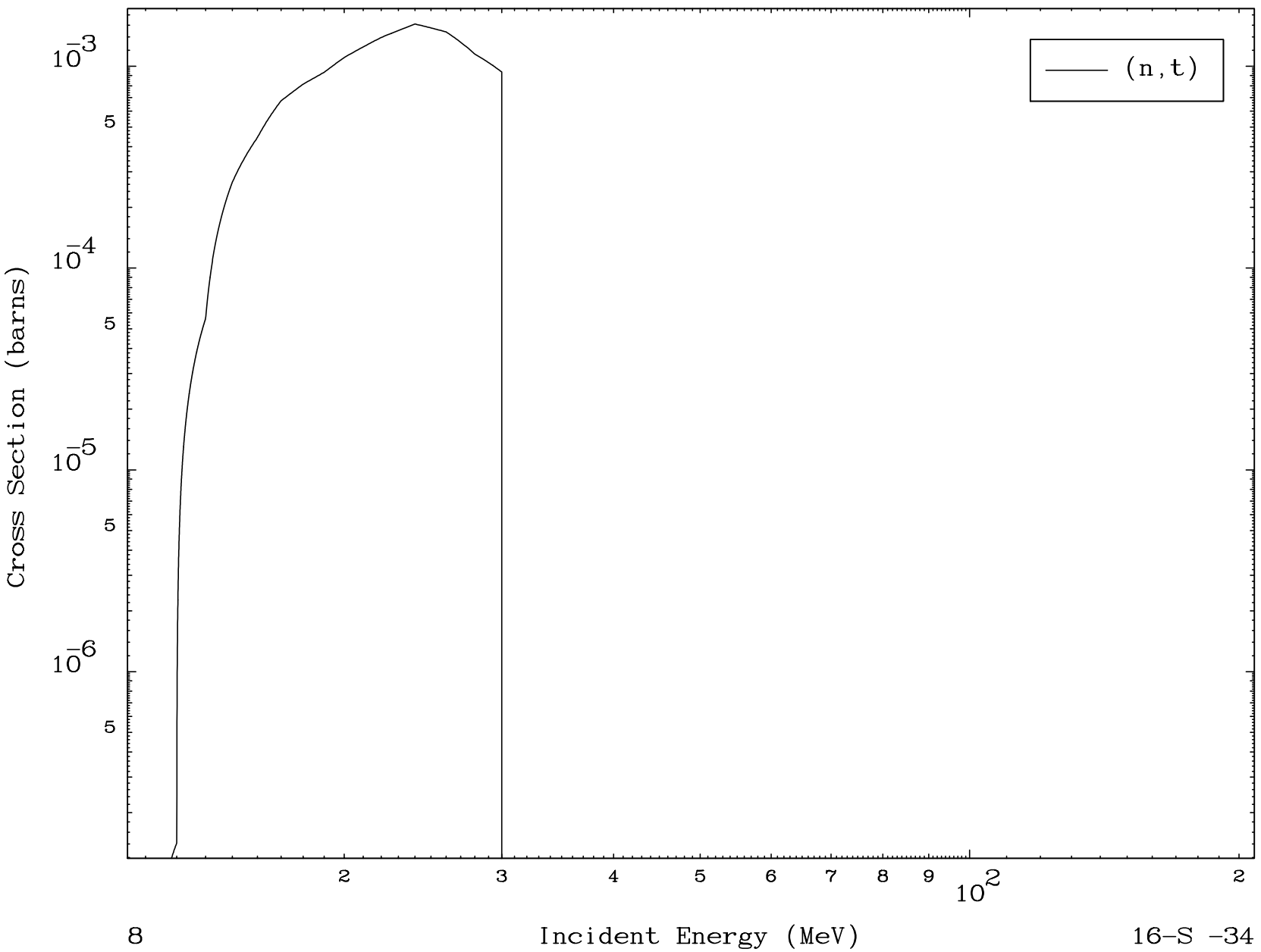

MAT 1631
Proton Charged Particle
0 Kelvin Cross Sections
16-S -34
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
4
16-S -34

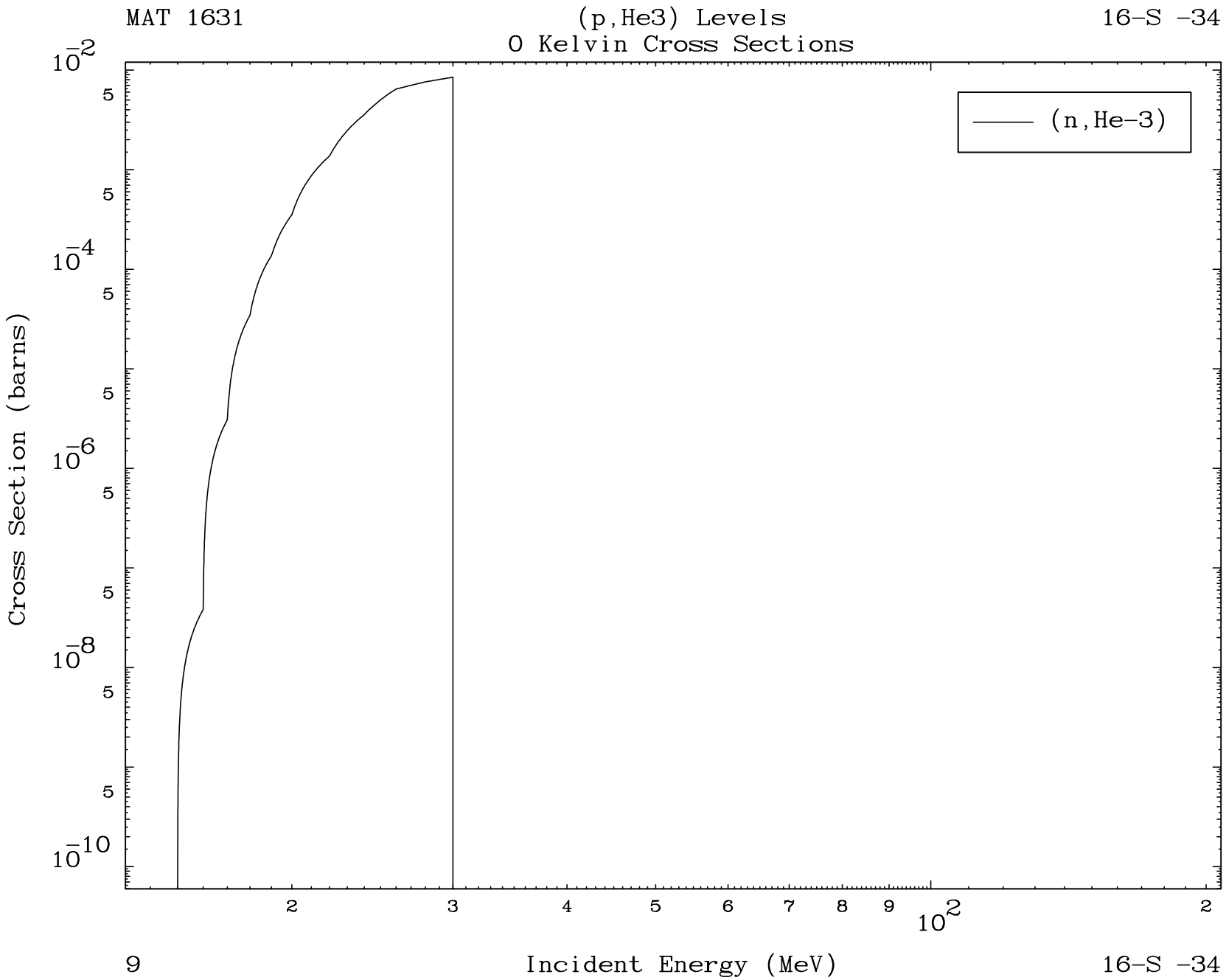

MAT 1631
Proton Charged Particle
0 Kelvin Cross Sections
16-S -34
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
16-S -34

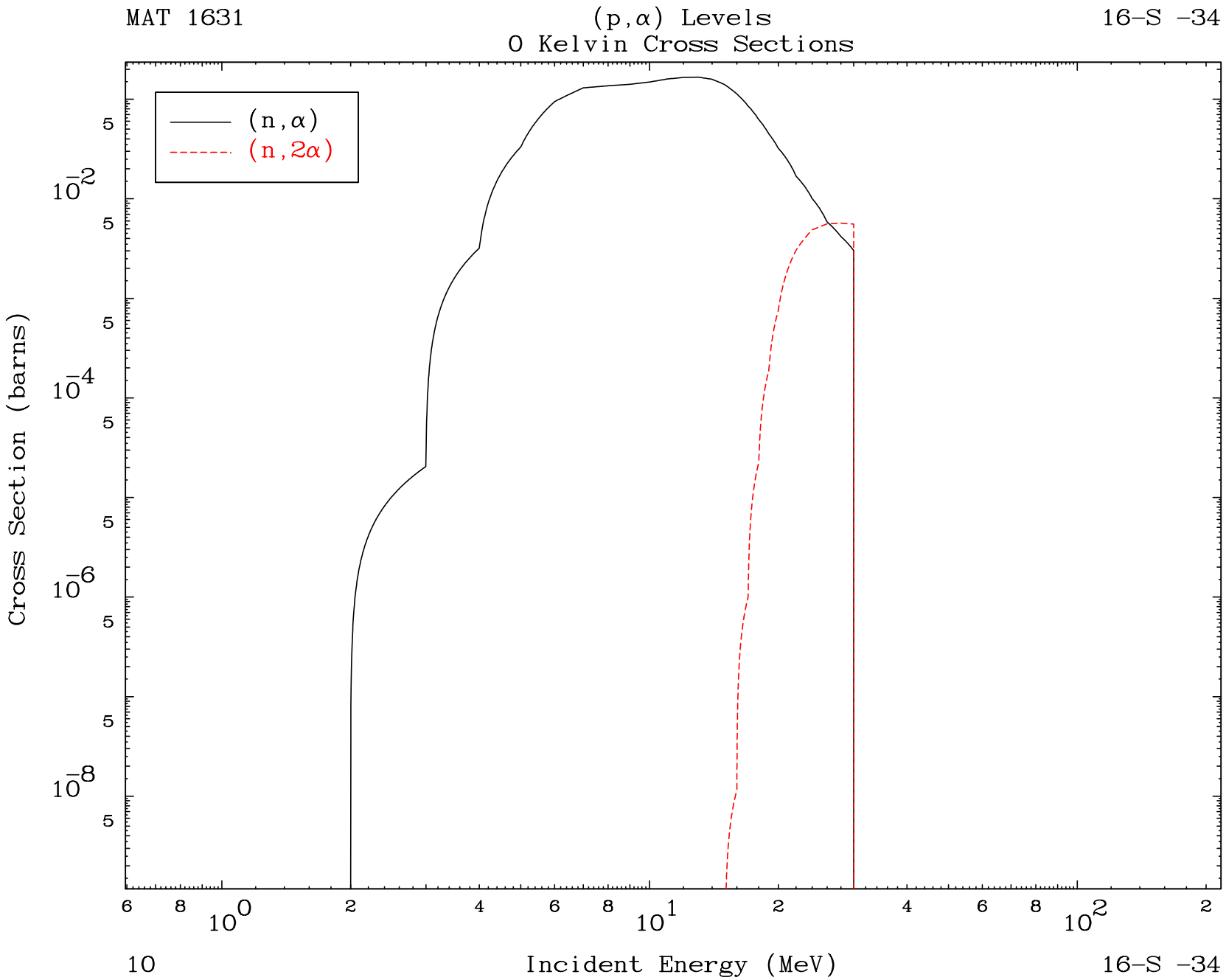
0 Kelvin Cross Sections

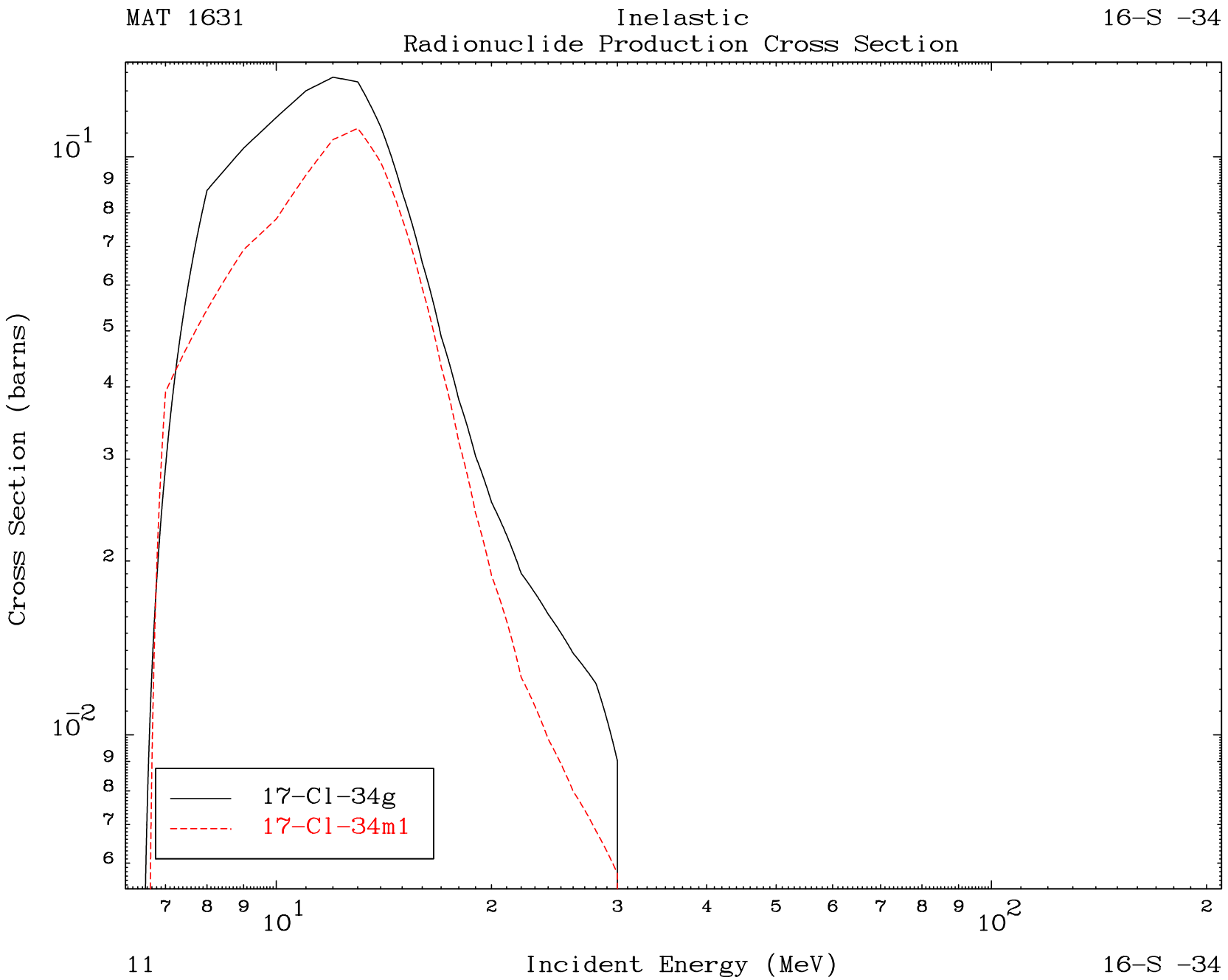



MAT 1631
(p,d) Levels
16-S -34
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
16-S -34
7


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


MAT 1631
(p,He3) Levels
16-S -34
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
16-S -34


MAT 1631
(p,α) Levels
16-S -34
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
16-S -34


MAT 1631
Inelastic
16-S -34
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
17-Cl-34g
17-Cl-34m1
11
16-S -34