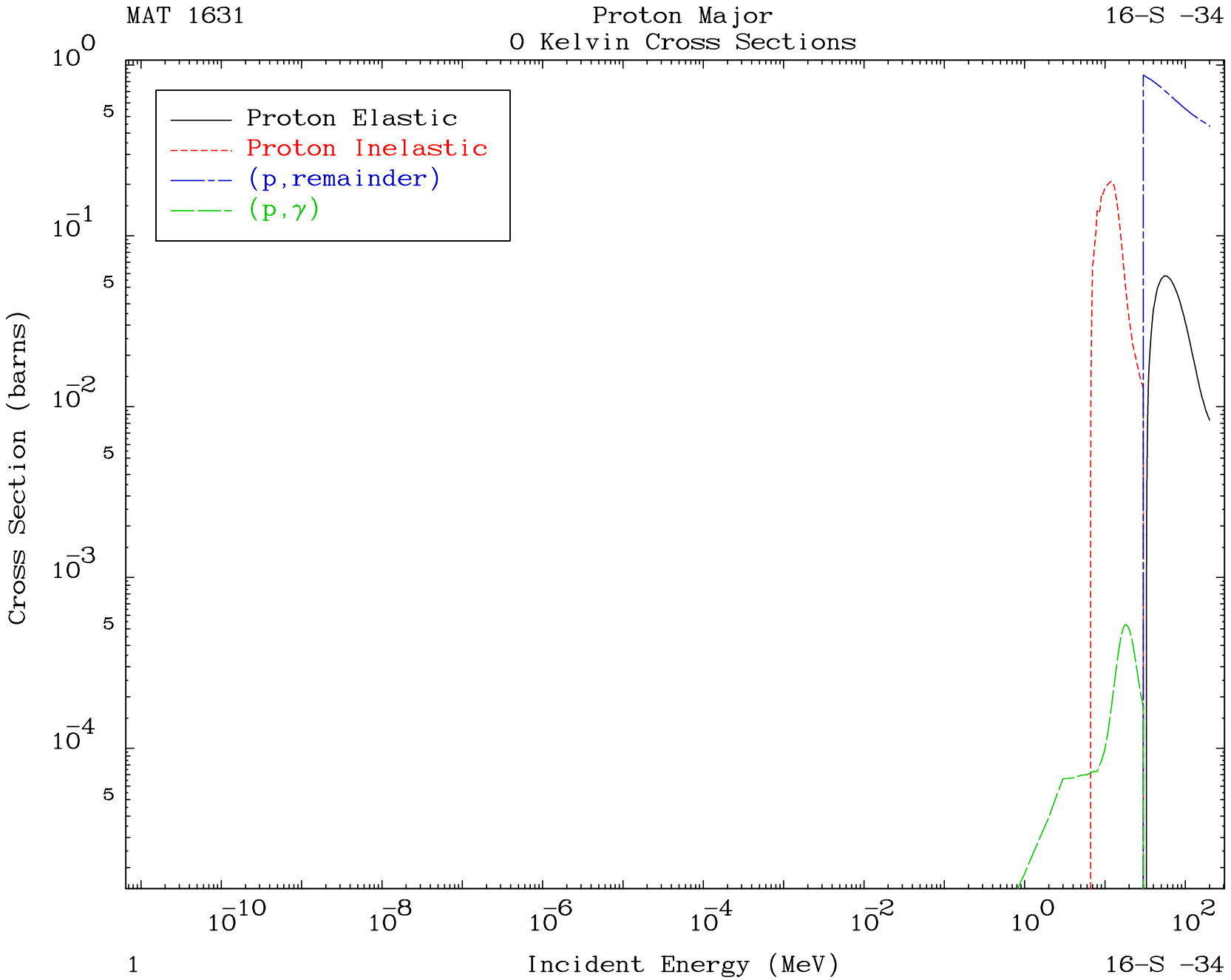
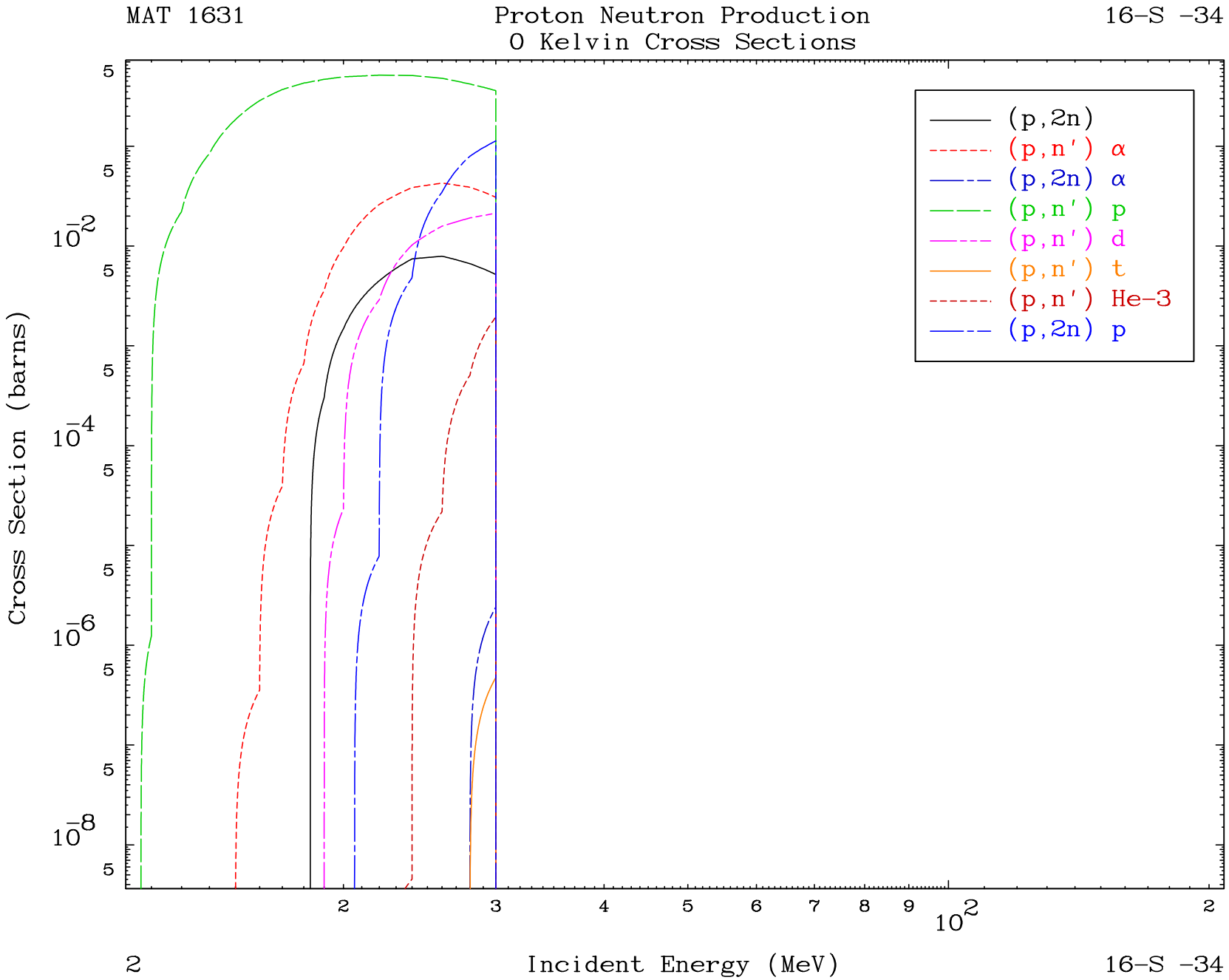
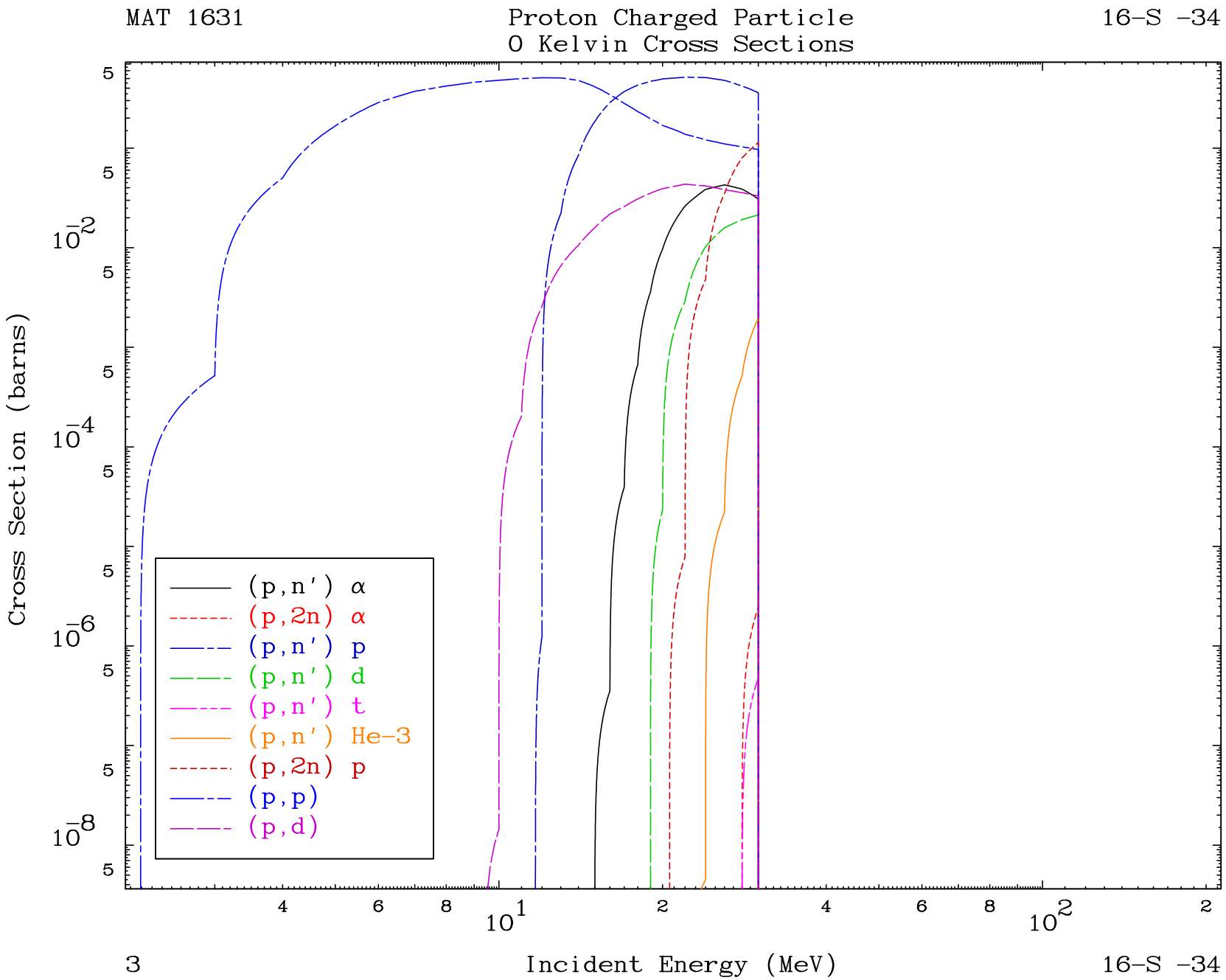
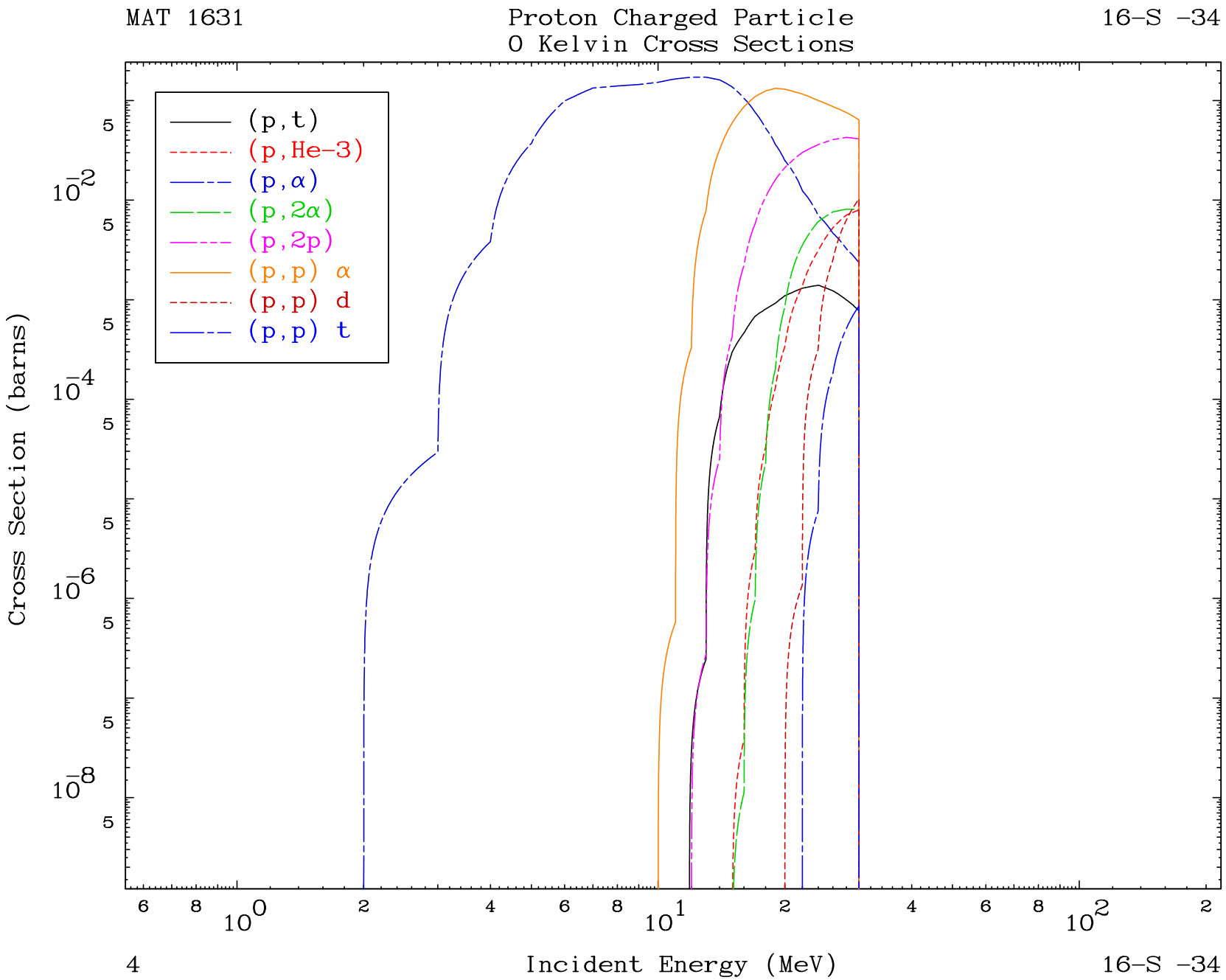
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

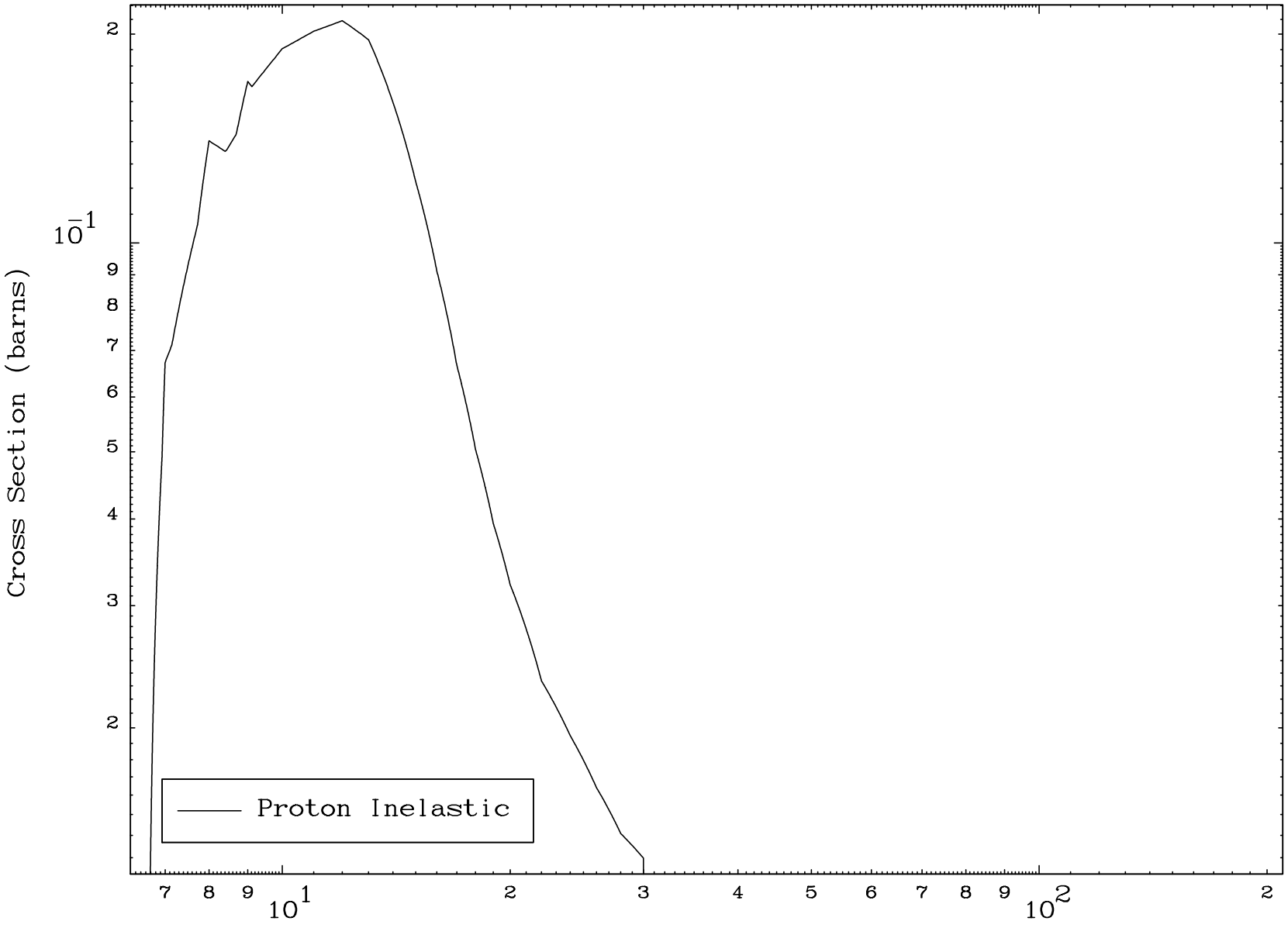

MAT 1631
Proton Major
16-S -34
0 Kelvin Cross Sections
Proton Elastic
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
1
16-S -34


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

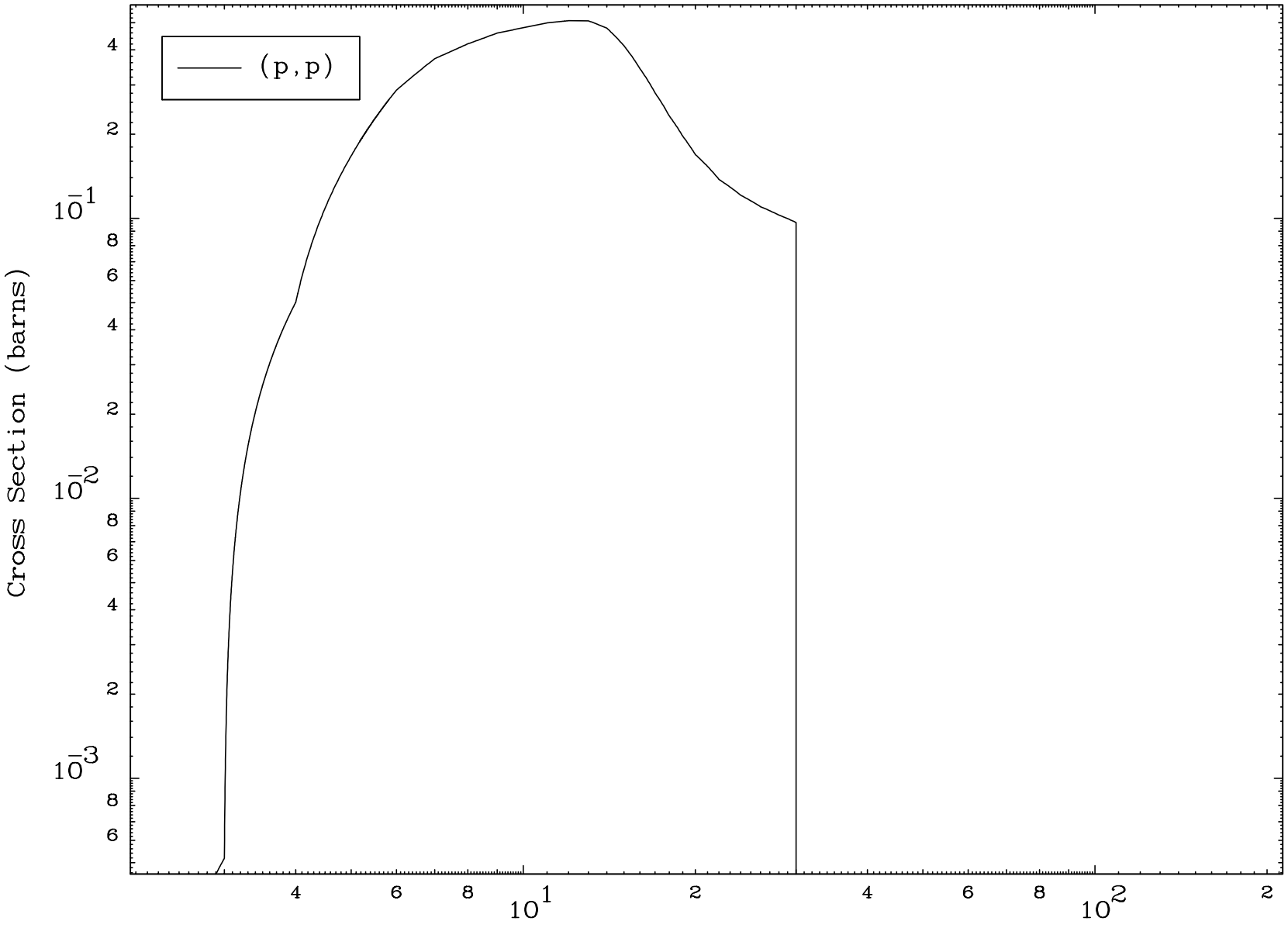

MAT 1631
Proton Charged Particle
0 Kelvin Cross Sections
16-S -34
Cross Section (barns)
Incident Energy (MeV)
(p,n') α
(p,2n) α
(p,n') p
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,p)
(p,d)
3
16-S -34

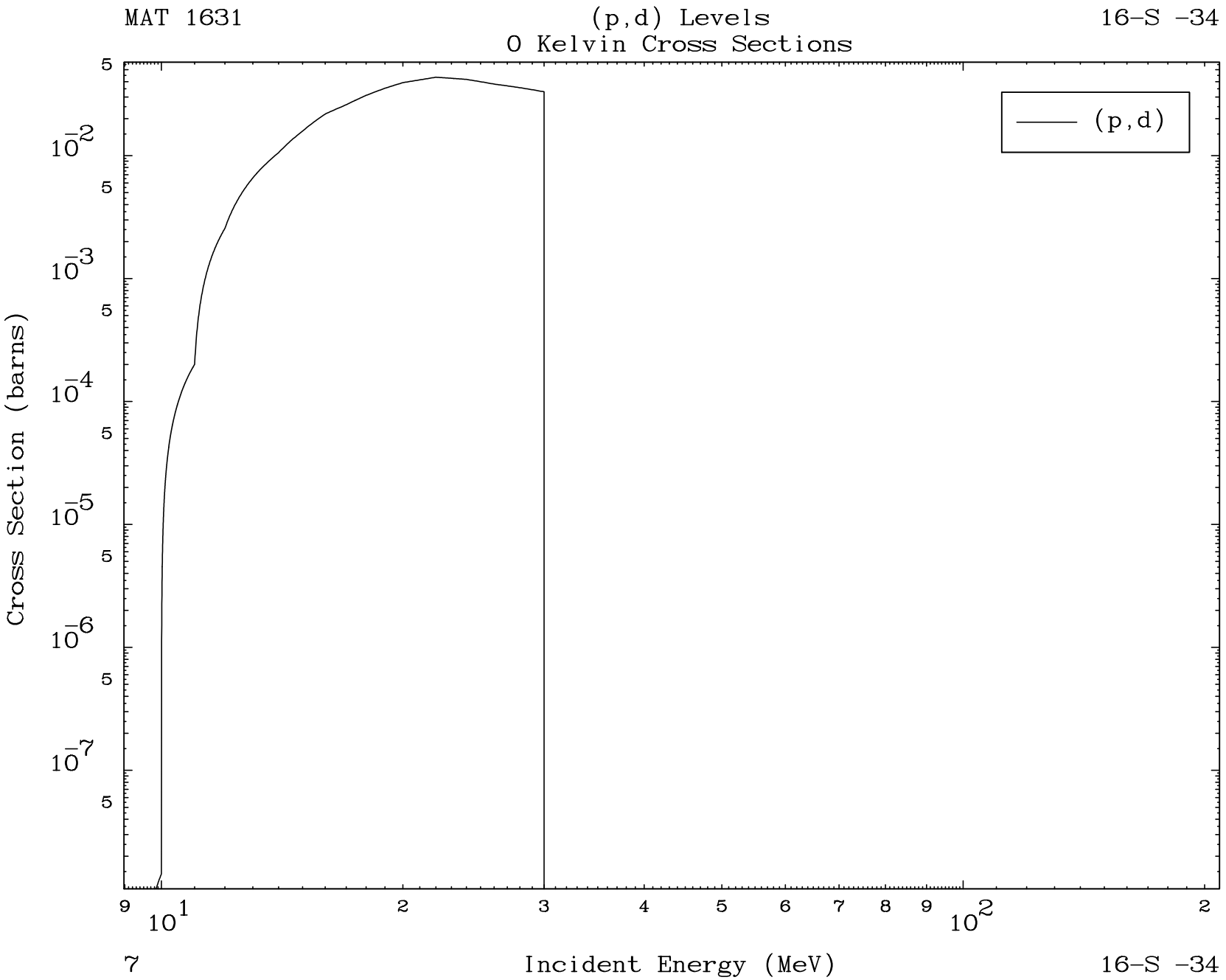

MAT 1631
Proton Charged Particle
0 Kelvin Cross Sections
16-S -34
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
4
16-S -34

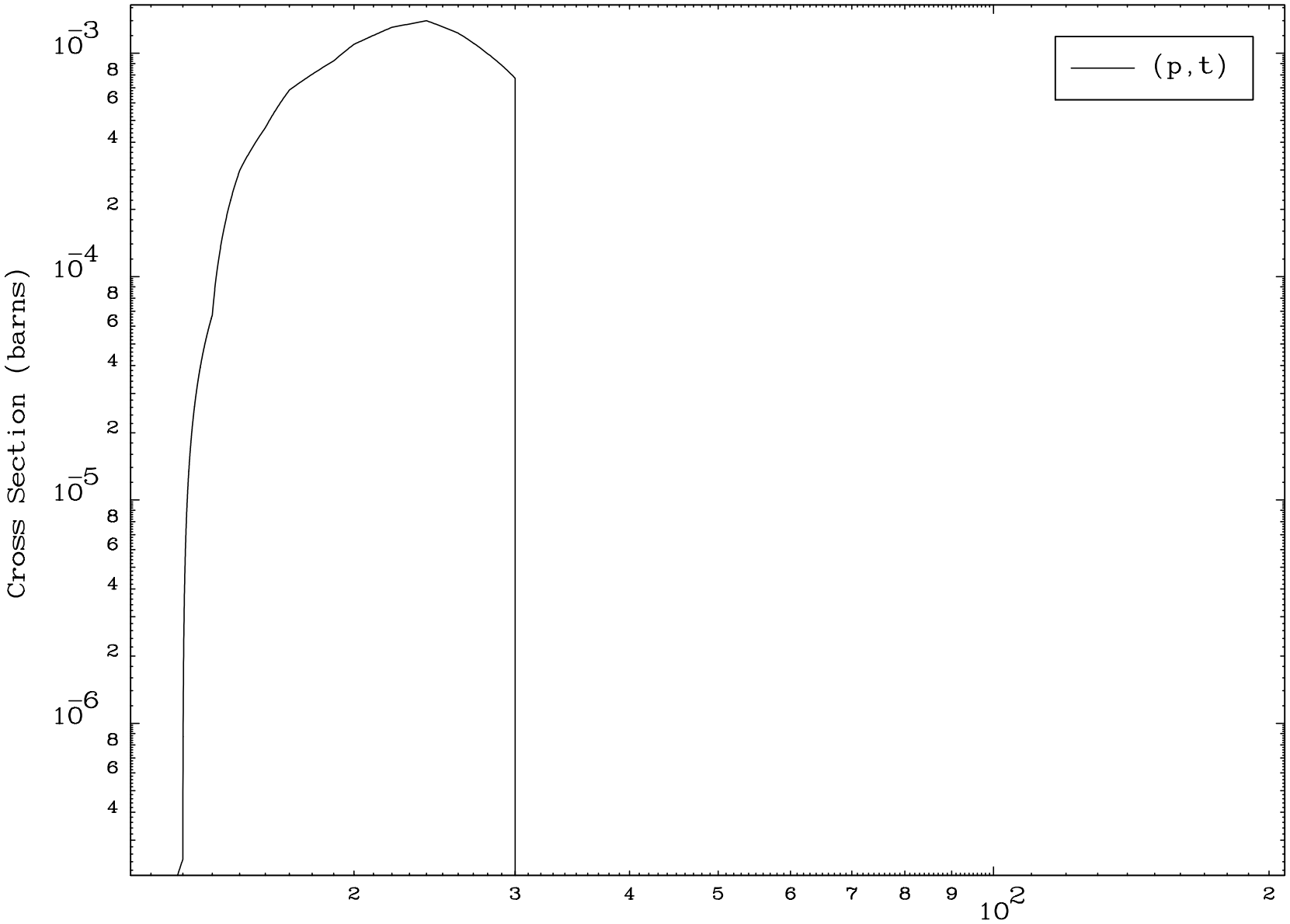
0 Kelvin Cross Sections

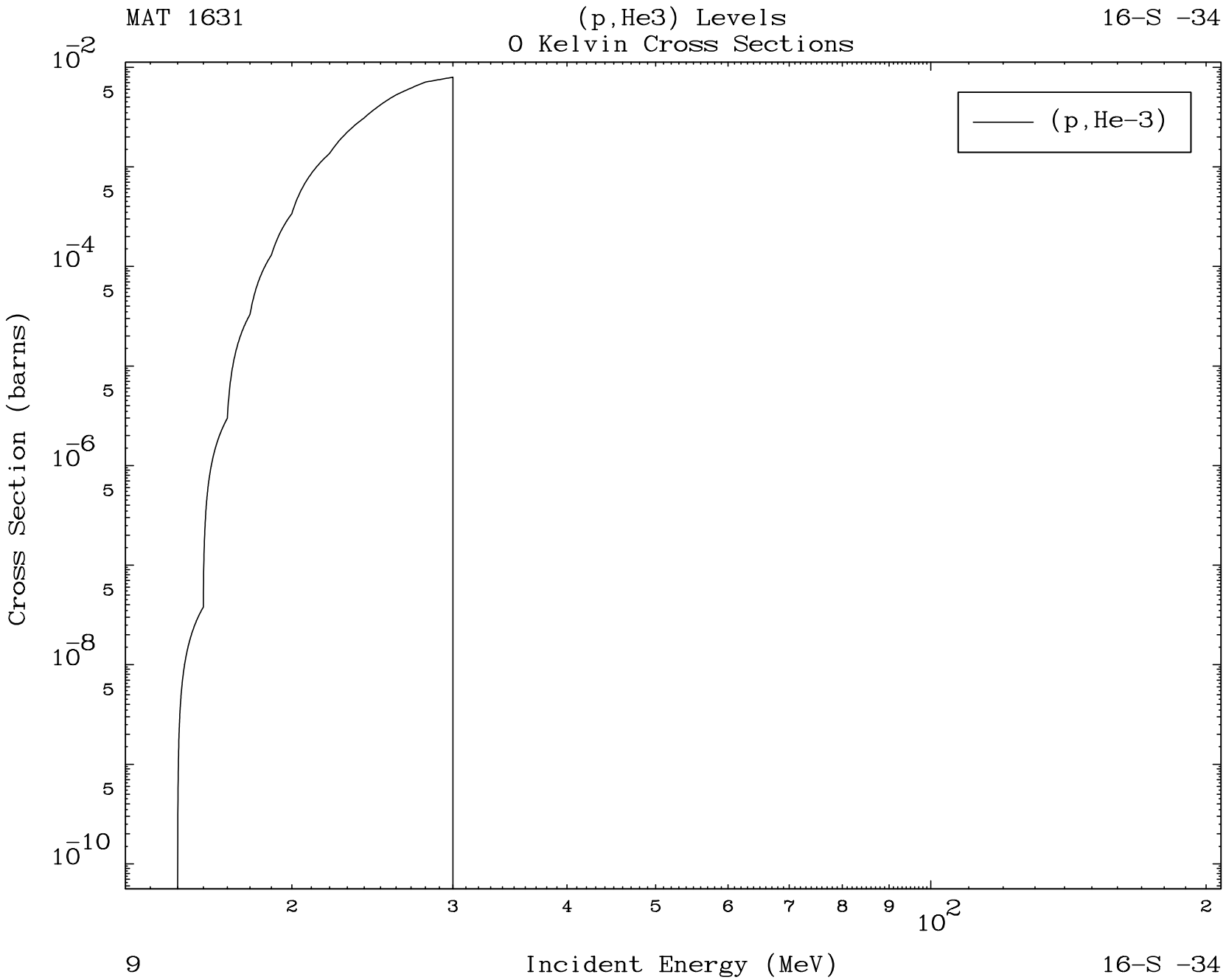


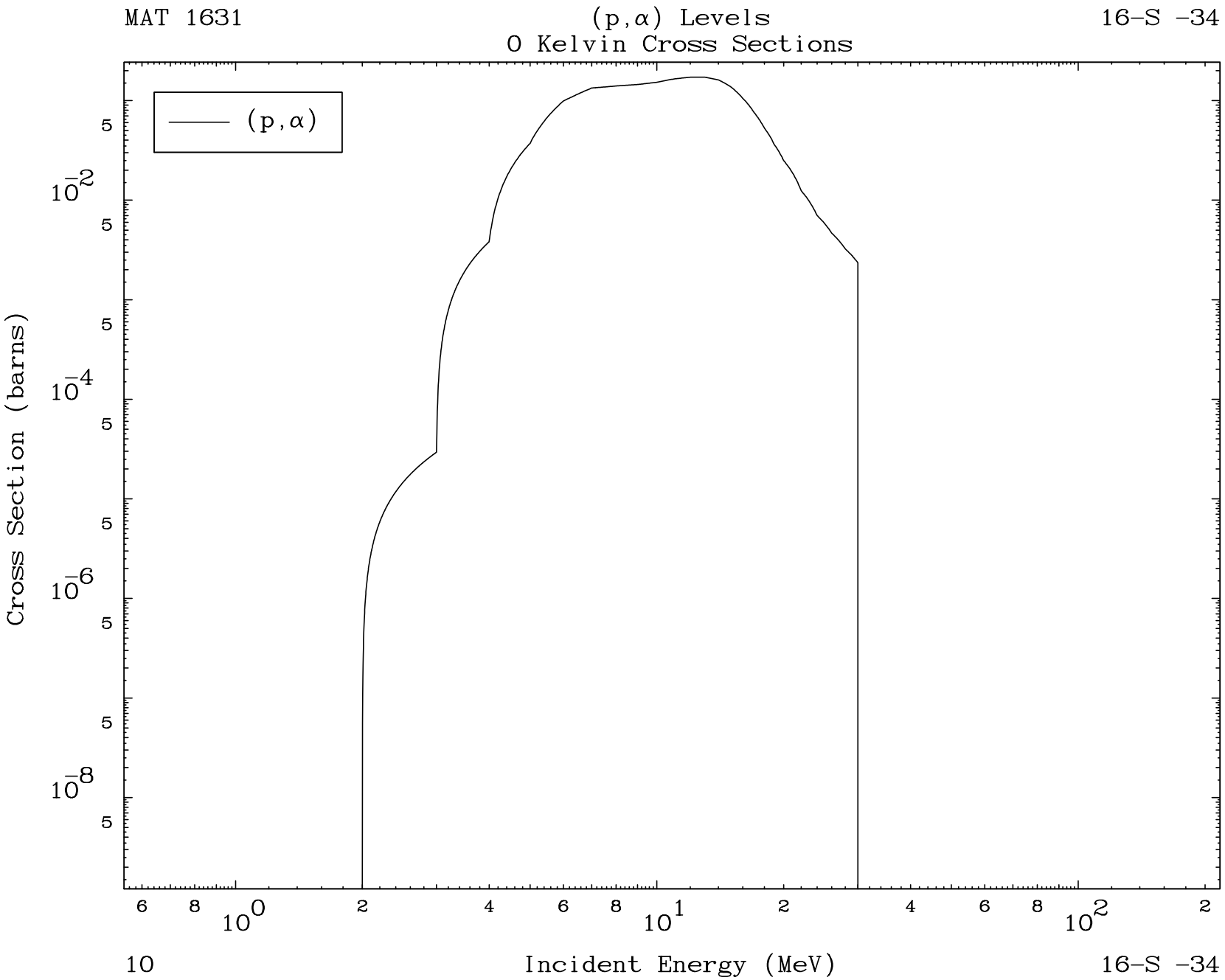
0 Kelvin Cross Sections

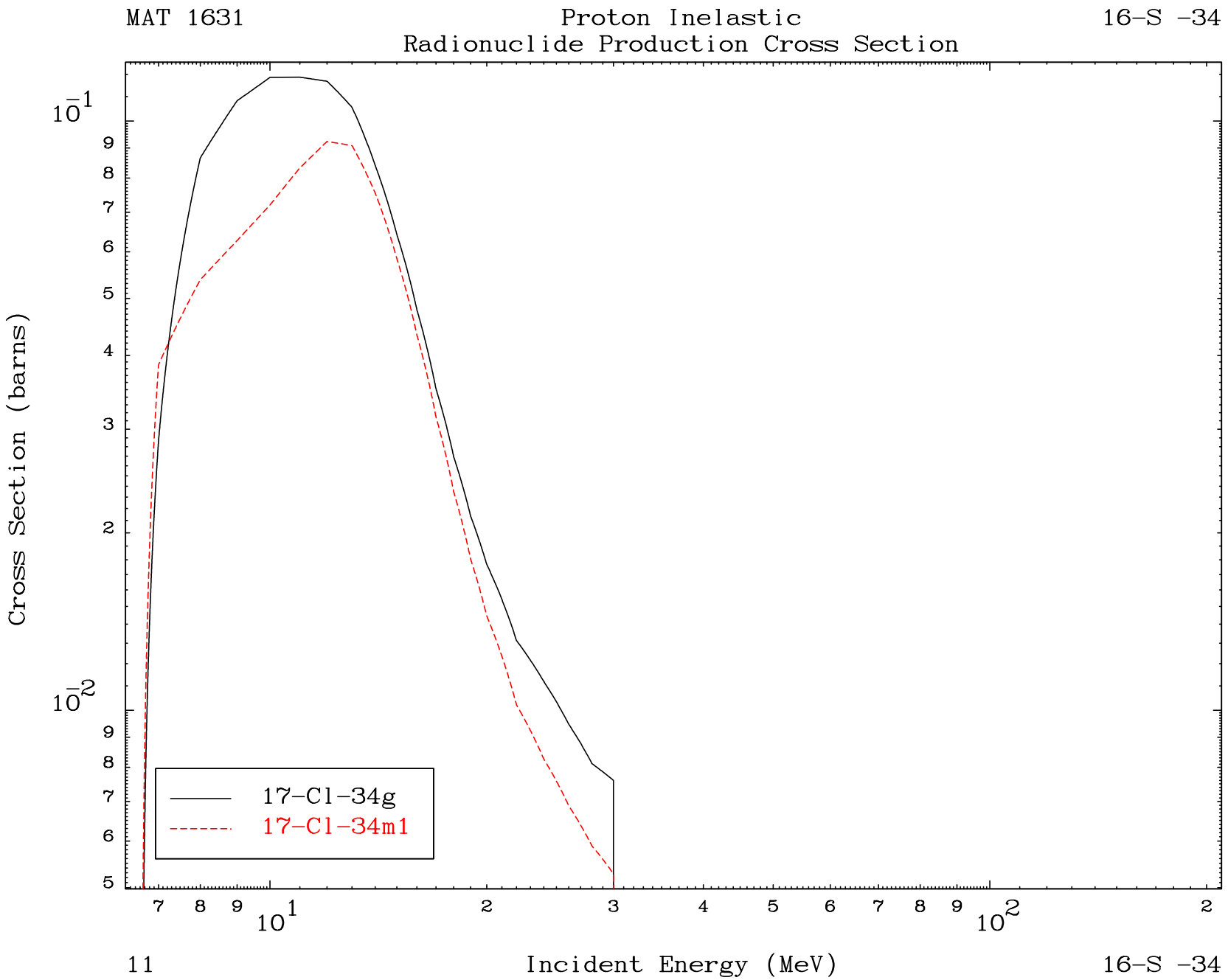



MAT 1631
(p,d) Levels
16-S -34
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
16-S -34


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


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


MAT 1631
(p,α) Levels
16-S -34
0 Kelvin Cross Sections
(p,α)
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
Proton Inelastic
16-S -34
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
17-Cl-34g
17-Cl-34m1
11
16-S -34