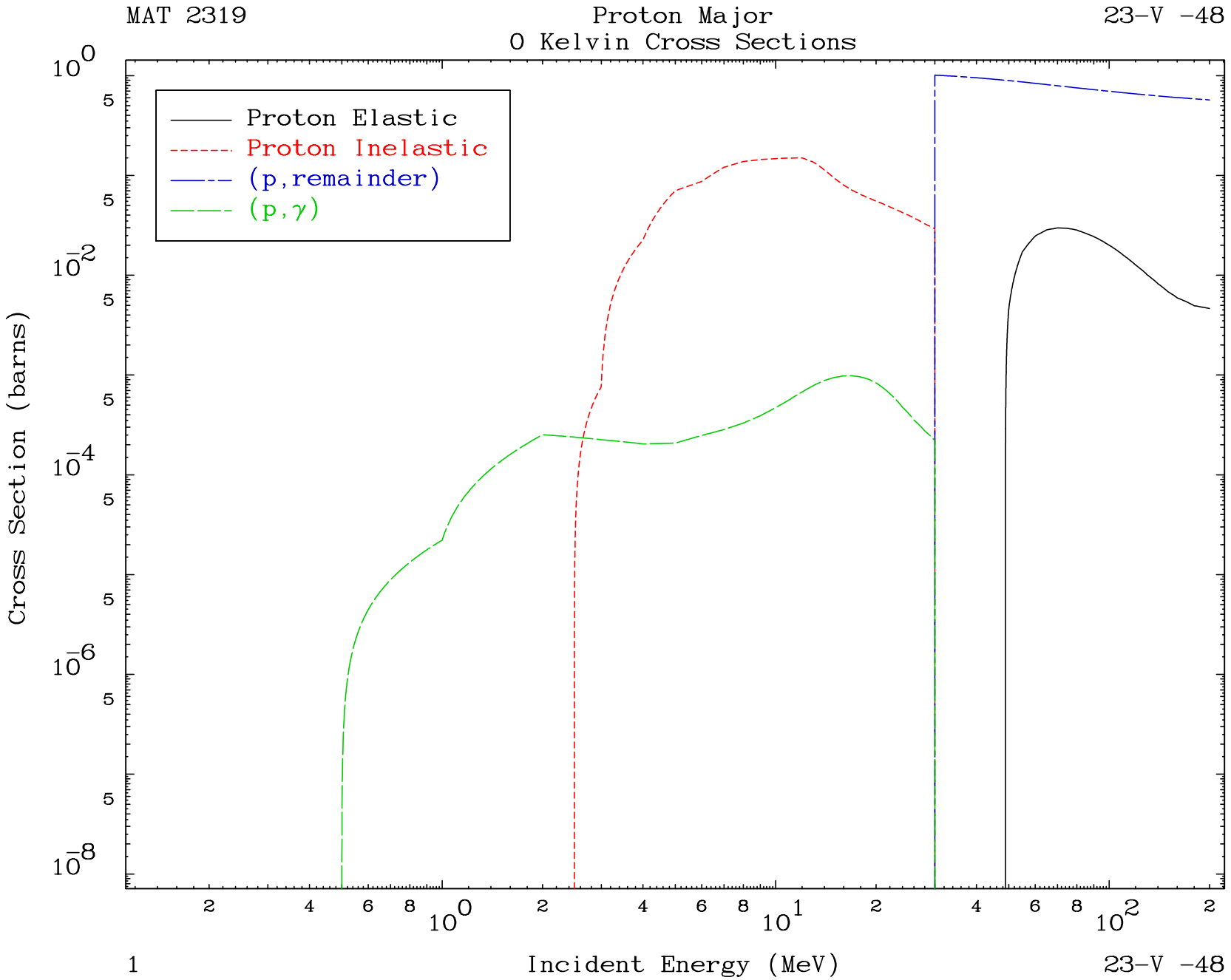
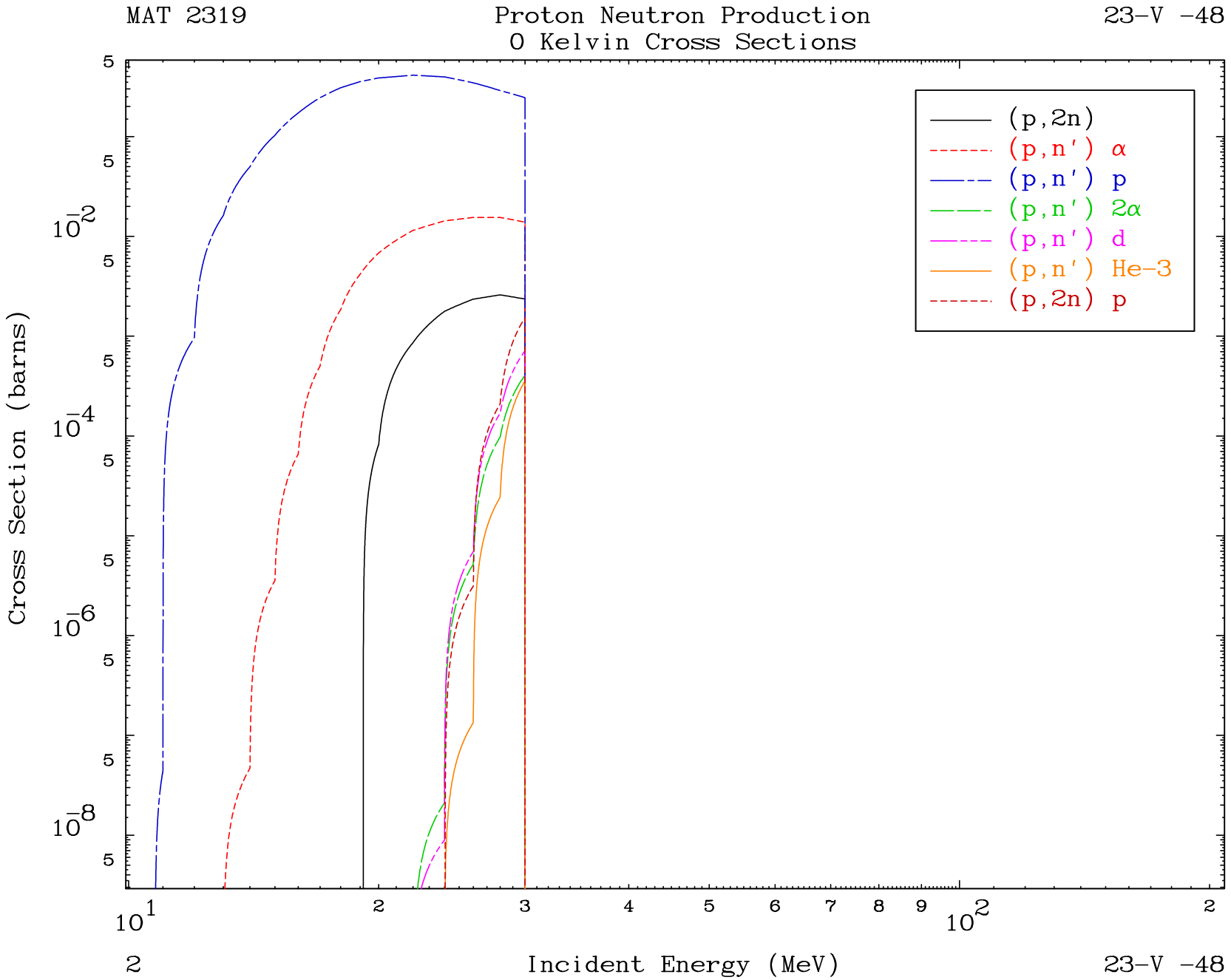
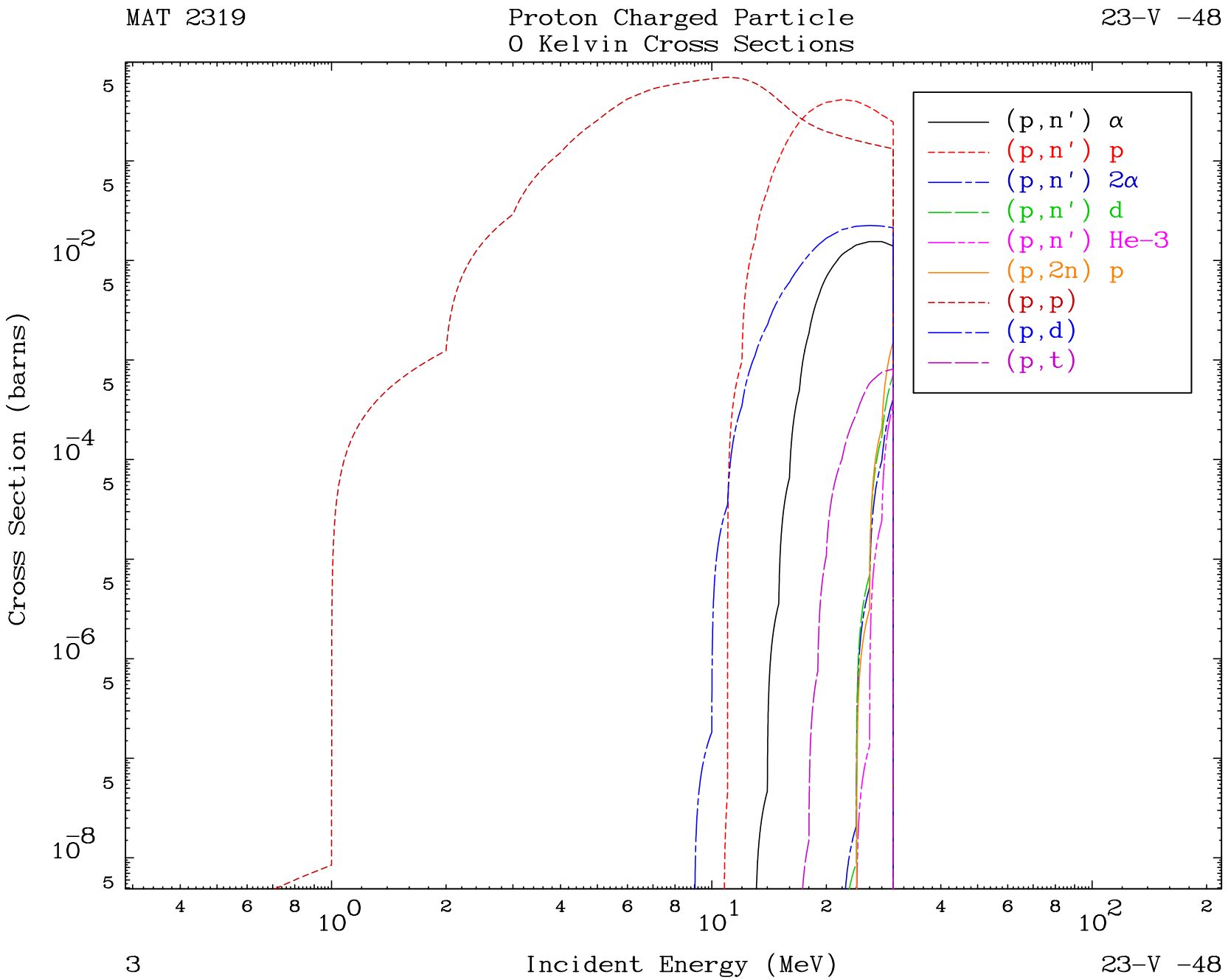
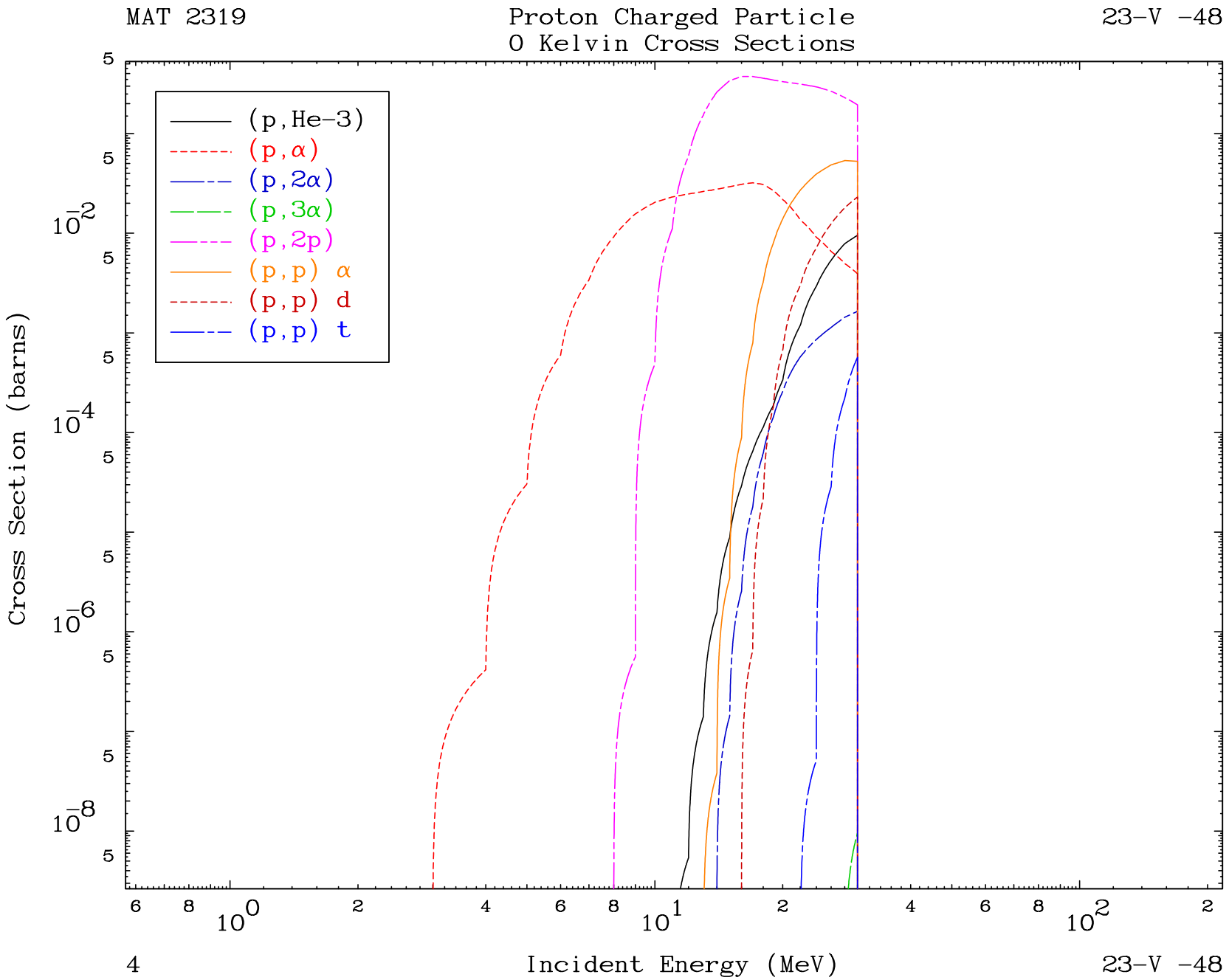
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

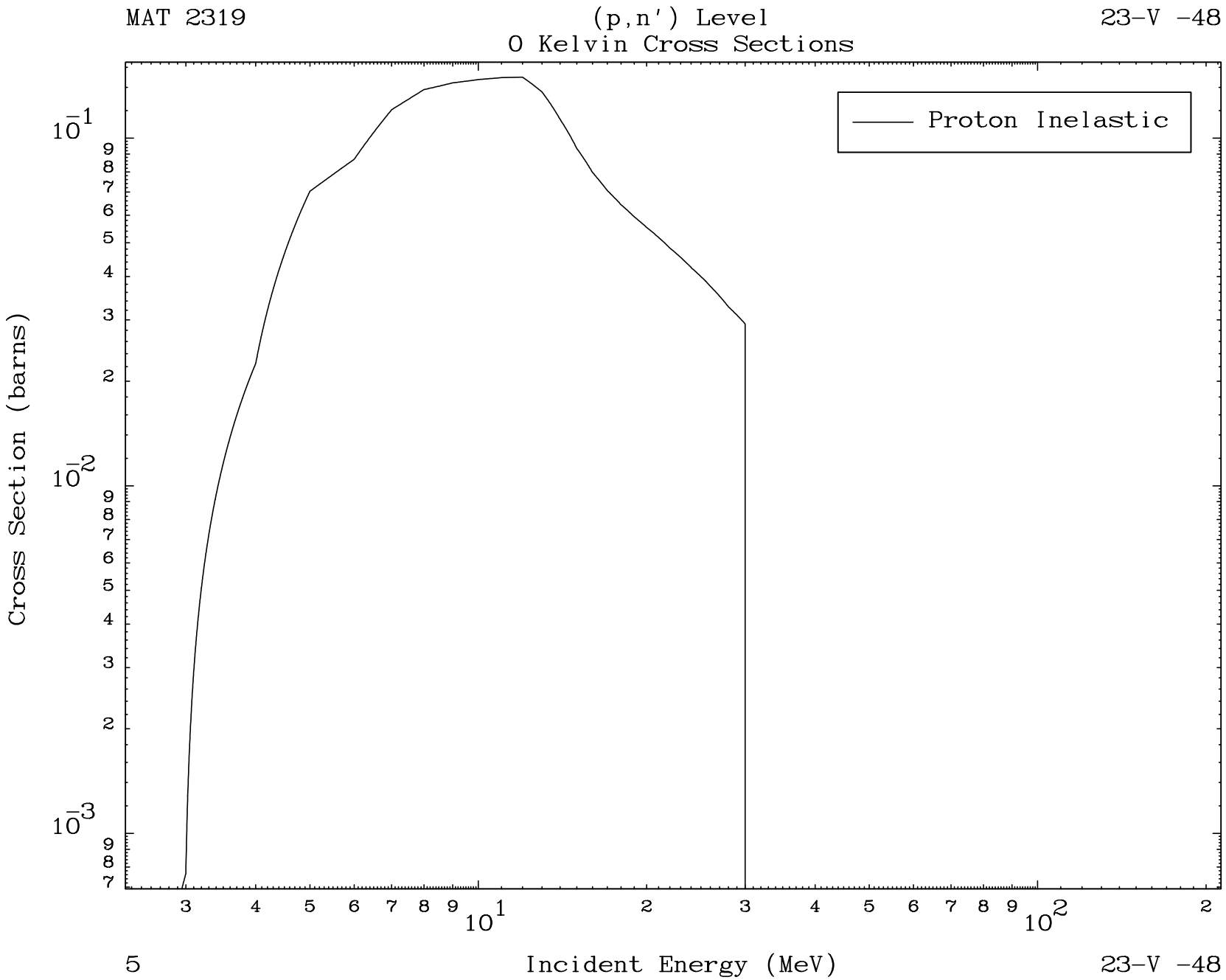
Press Mouse Button to Start

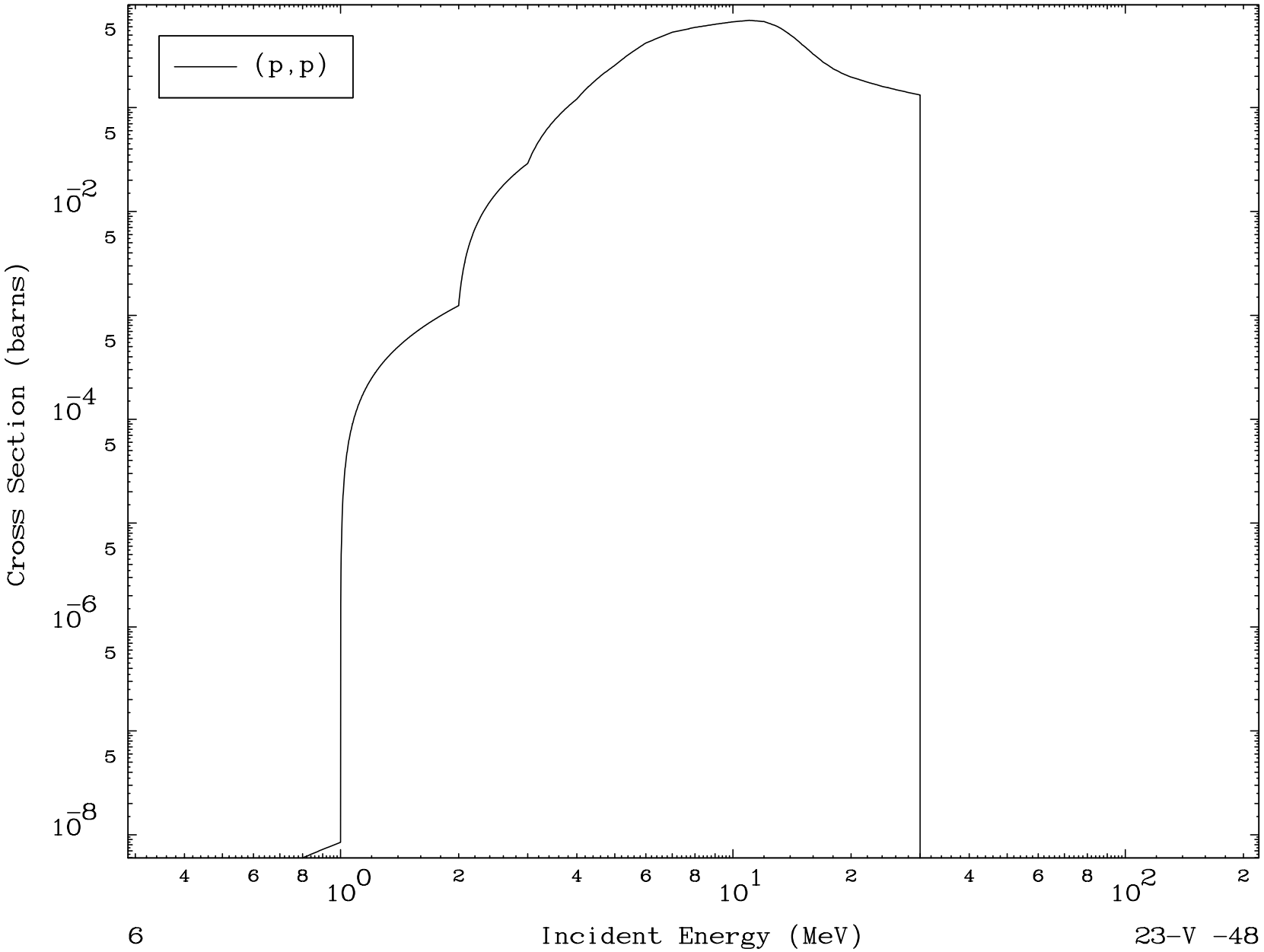

MAT 2319
Proton Major
23-V -48
0 Kelvin Cross Sections
Proton Elastic
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
1
23-V -48

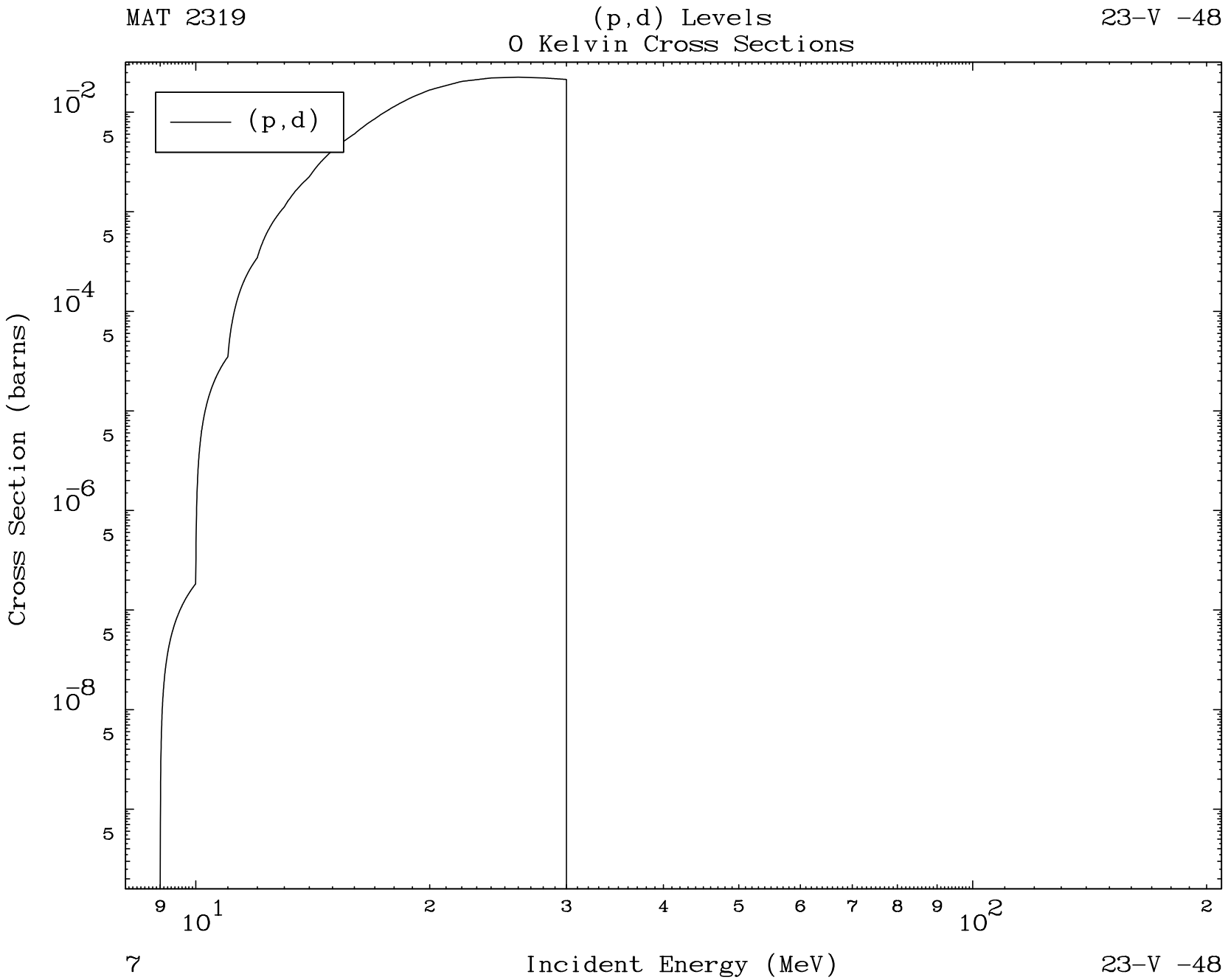

MAT 2319
Proton Neutron Production
0 Kelvin Cross Sections
23-V -48
(p,2n)
(p,n') α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') He-3
(p,2n) p
Cross Section (barns)
Incident Energy (MeV)
23-V -48

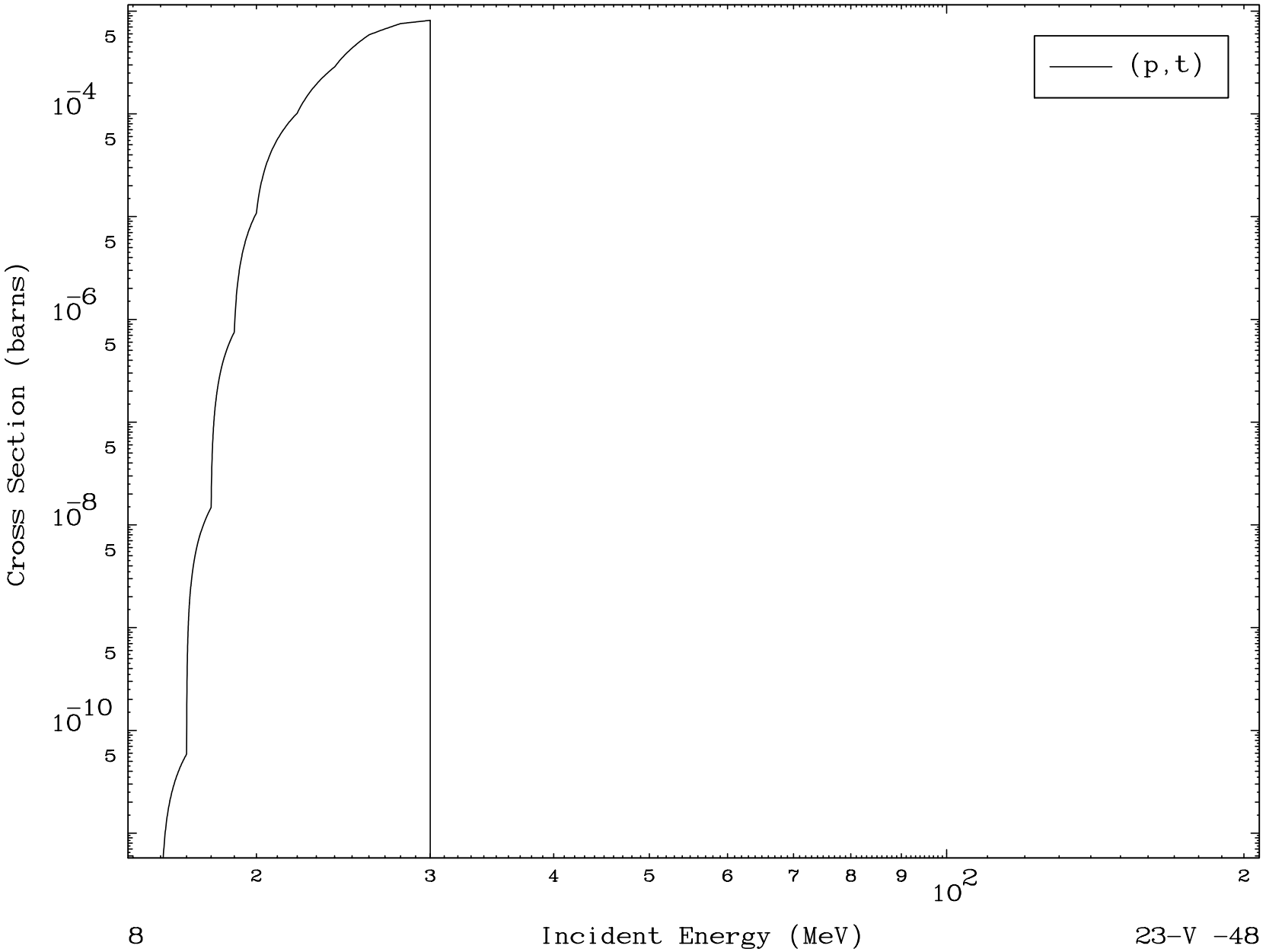

MAT 2319
Proton Charged Particle
0 Kelvin Cross Sections
23-V -48
Cross Section (barns)
Incident Energy (MeV)
(p,n') α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') He-3
(p,2n) p
(p,p)
(p,d)
(p,t)
3
23-V -48

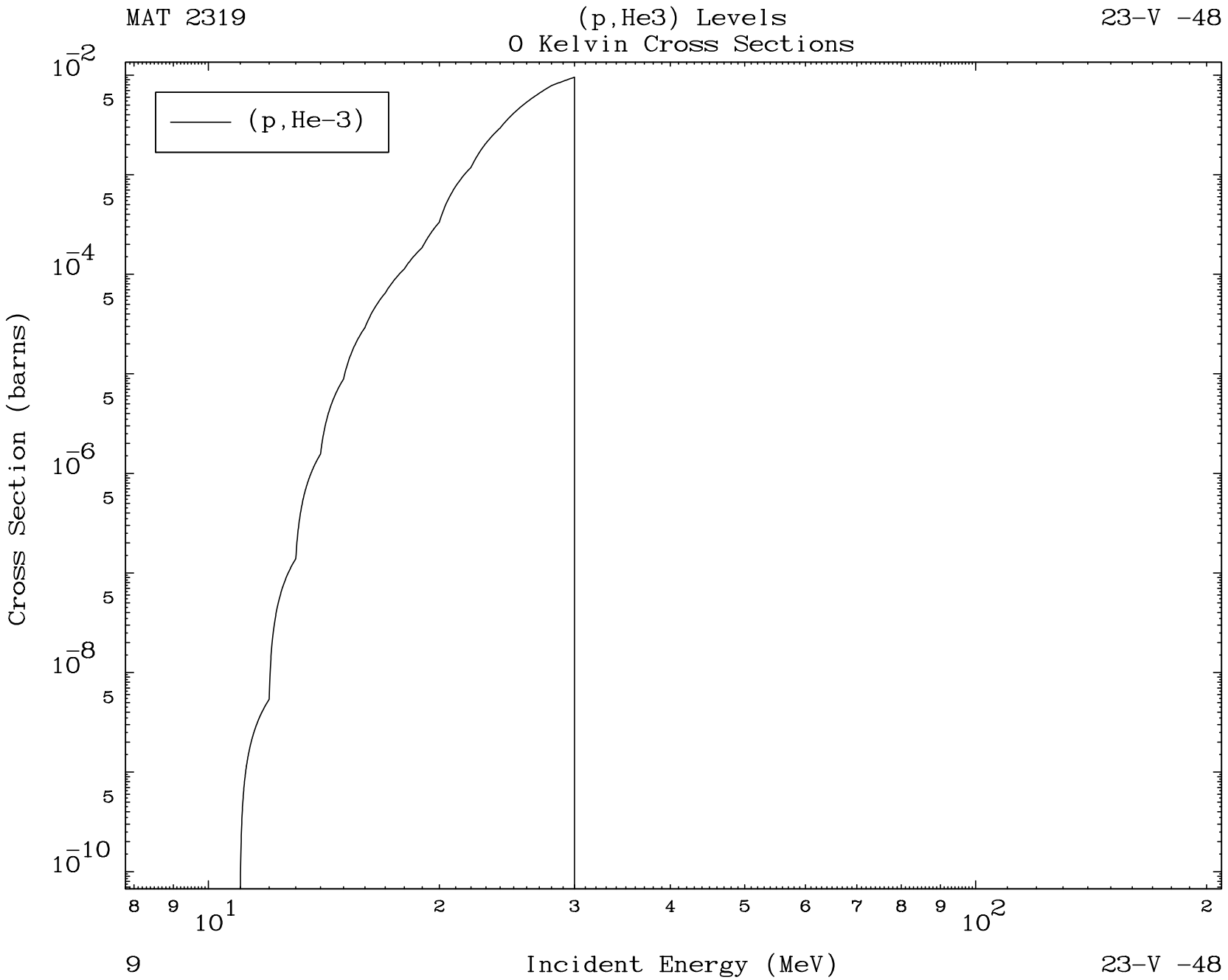

MAT 2319
Proton Charged Particle
0 Kelvin Cross Sections
23-V -48
(p,He-3)
(p,α)
(p,2α)
(p,3α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
23-V -48
4

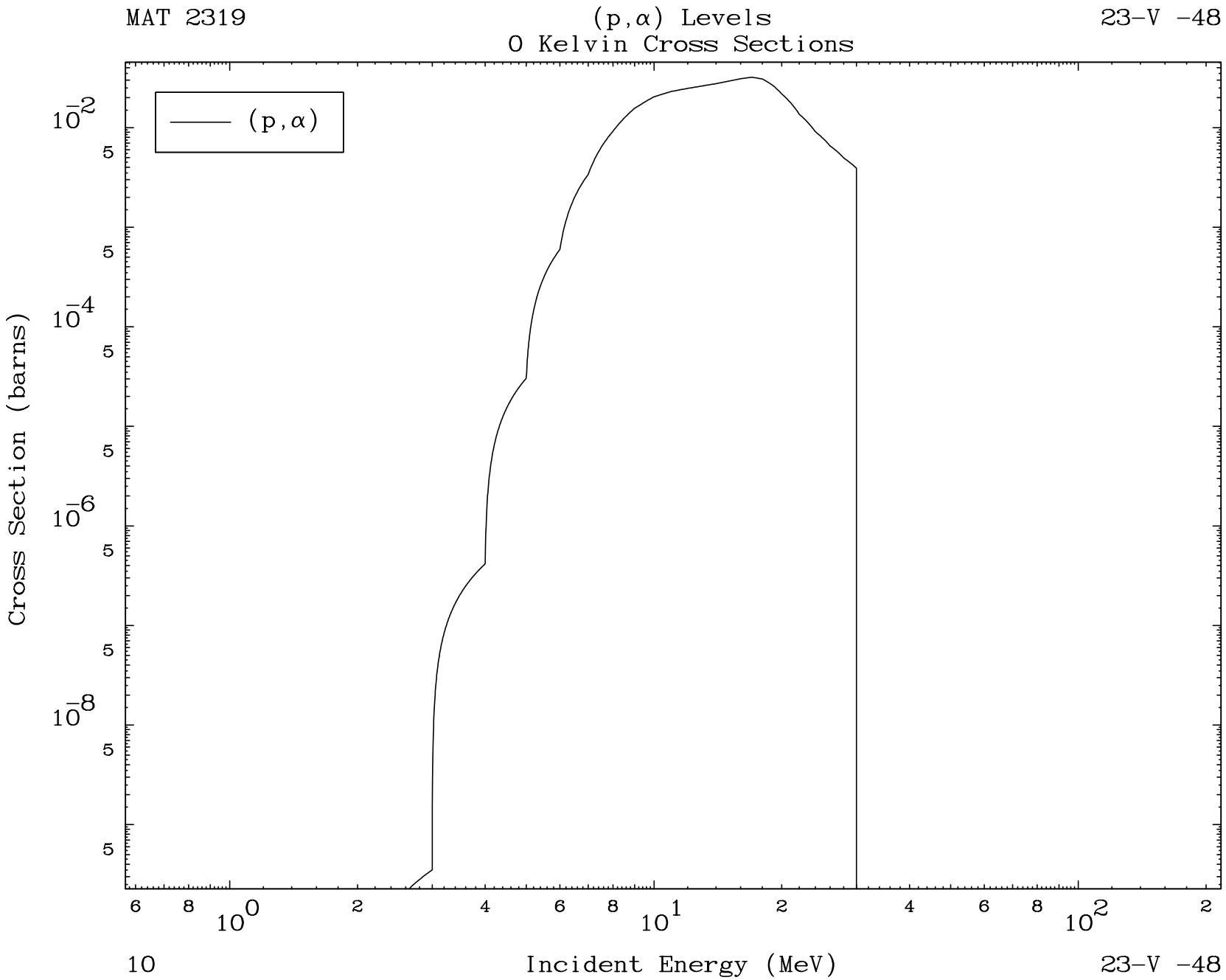

MAT 2319
(p,n') Level
23-V -48
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
5
23-V -48

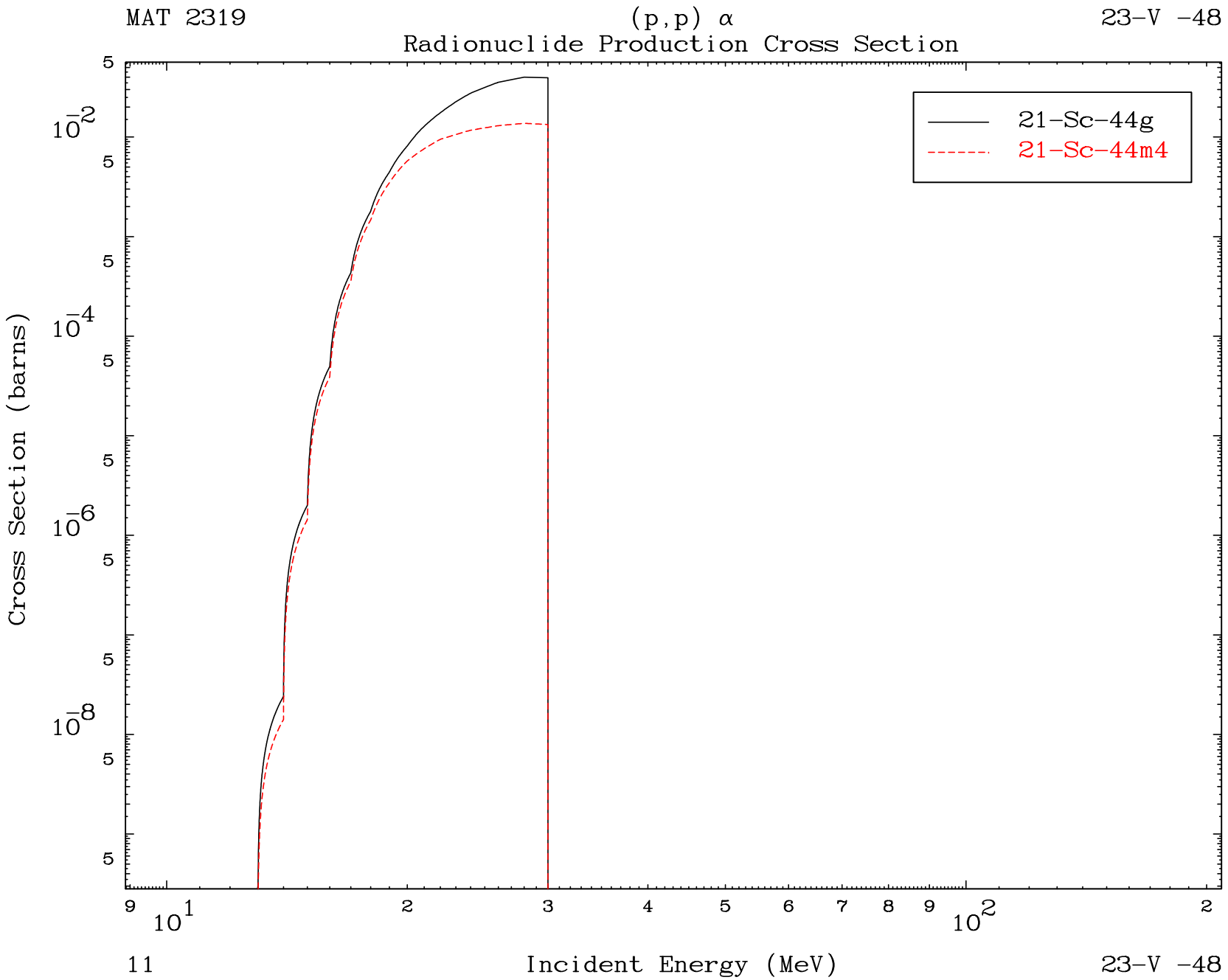

0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)


MAT 2319
(p,d) Levels
23-V -48
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
23-V -48


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


MAT 2319
(p,He3) Levels
23-V -48
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
23-V -48


MAT 2319
(p,α) Levels
23-V -48
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2
10
Incident Energy (MeV)
23-V -48


MAT 2319
(p,p) α
23-V -48
Radionuclide Production Cross Section
21-Sc-44g
21-Sc-44m4
Cross Section (barns)
Incident Energy (MeV)
11
23-V -48