Program EVALPLOT
(Version 2018-1)
by
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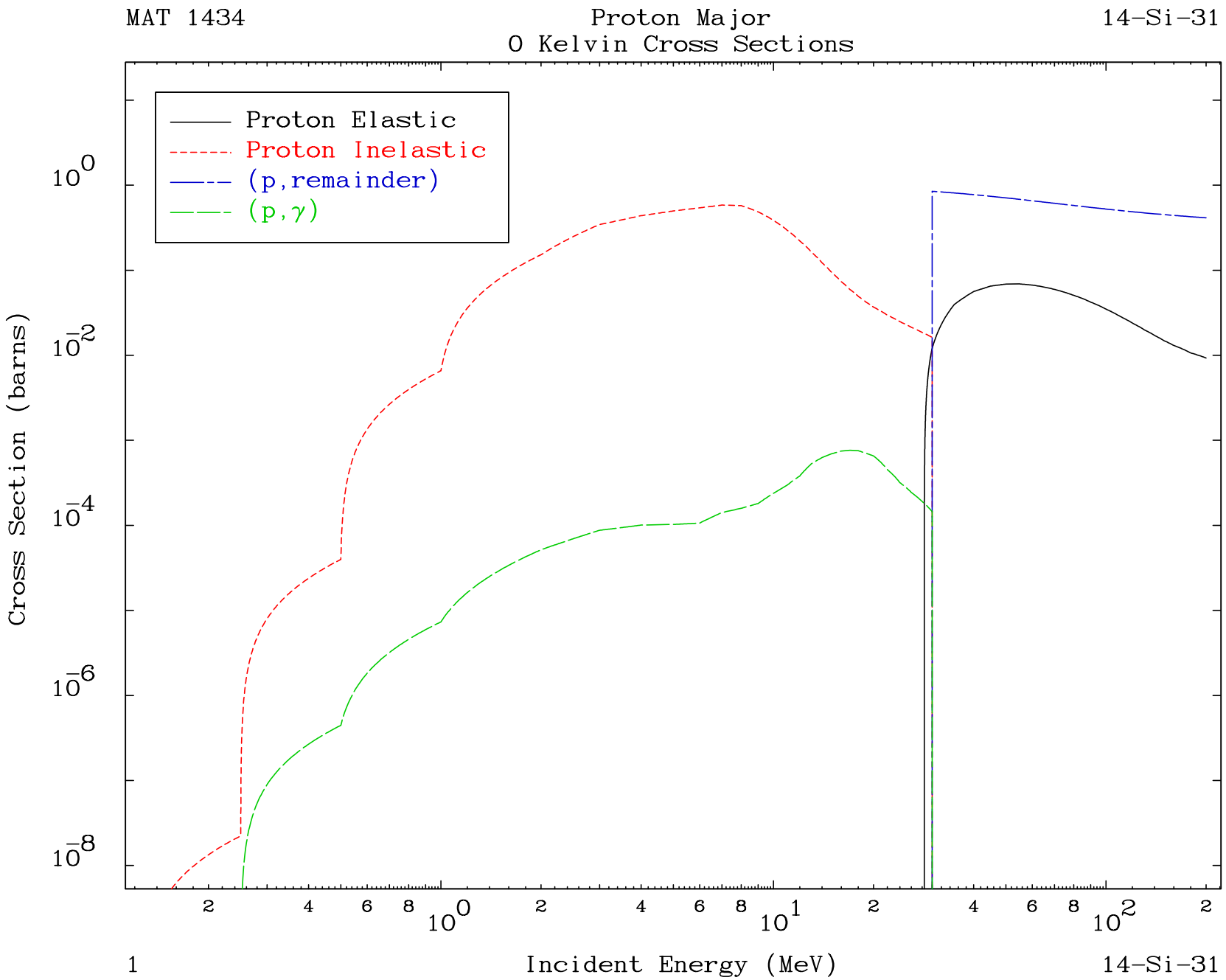
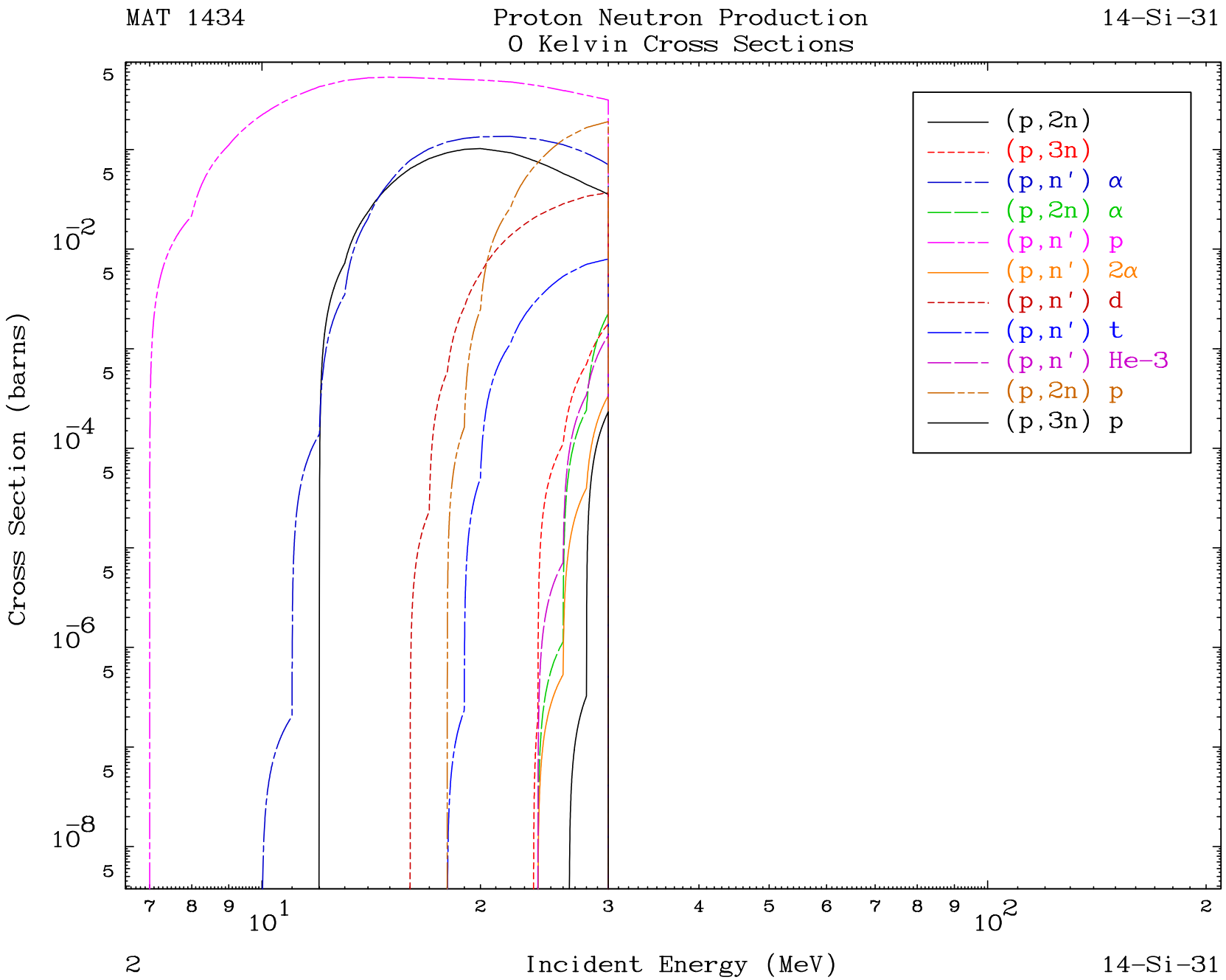
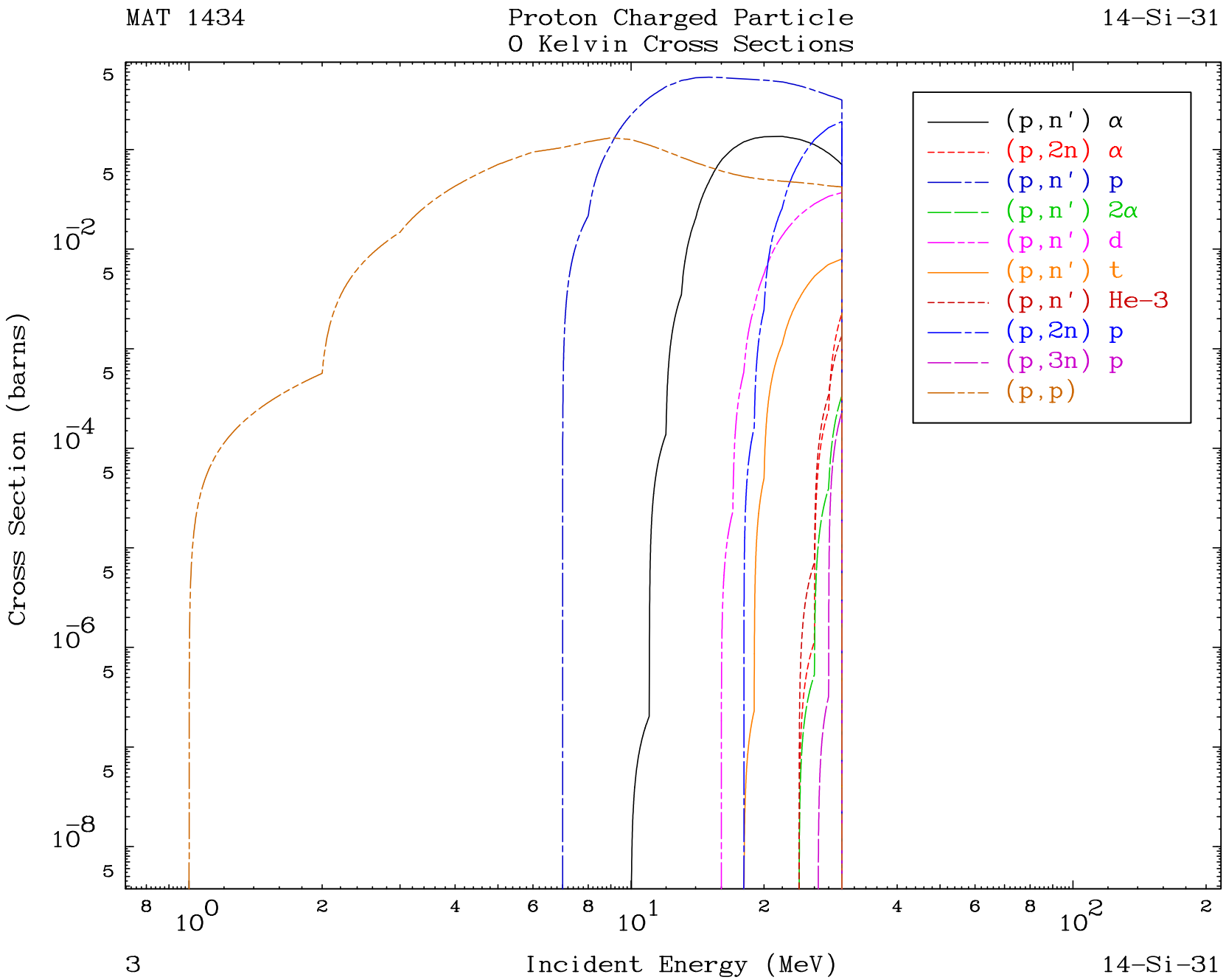
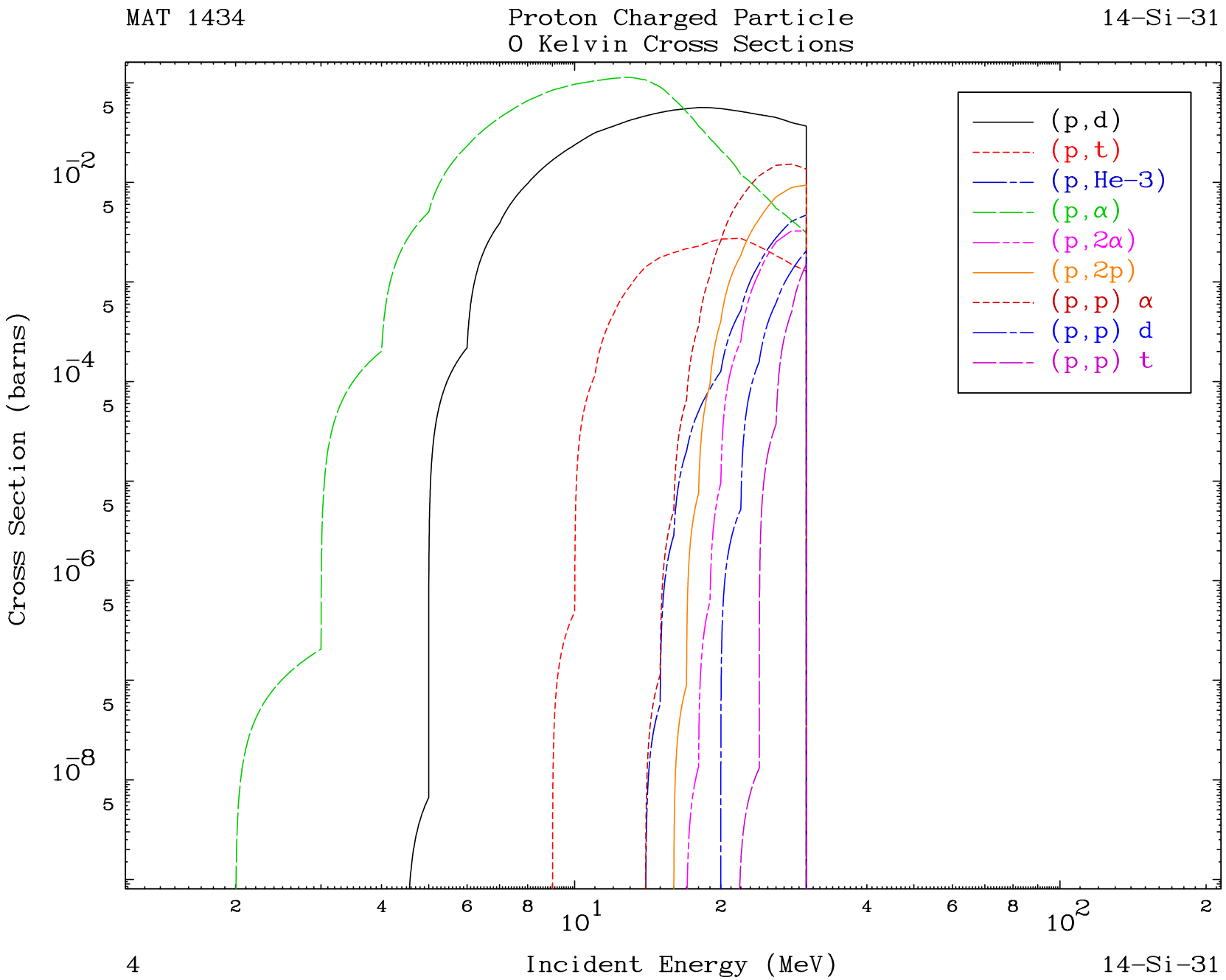
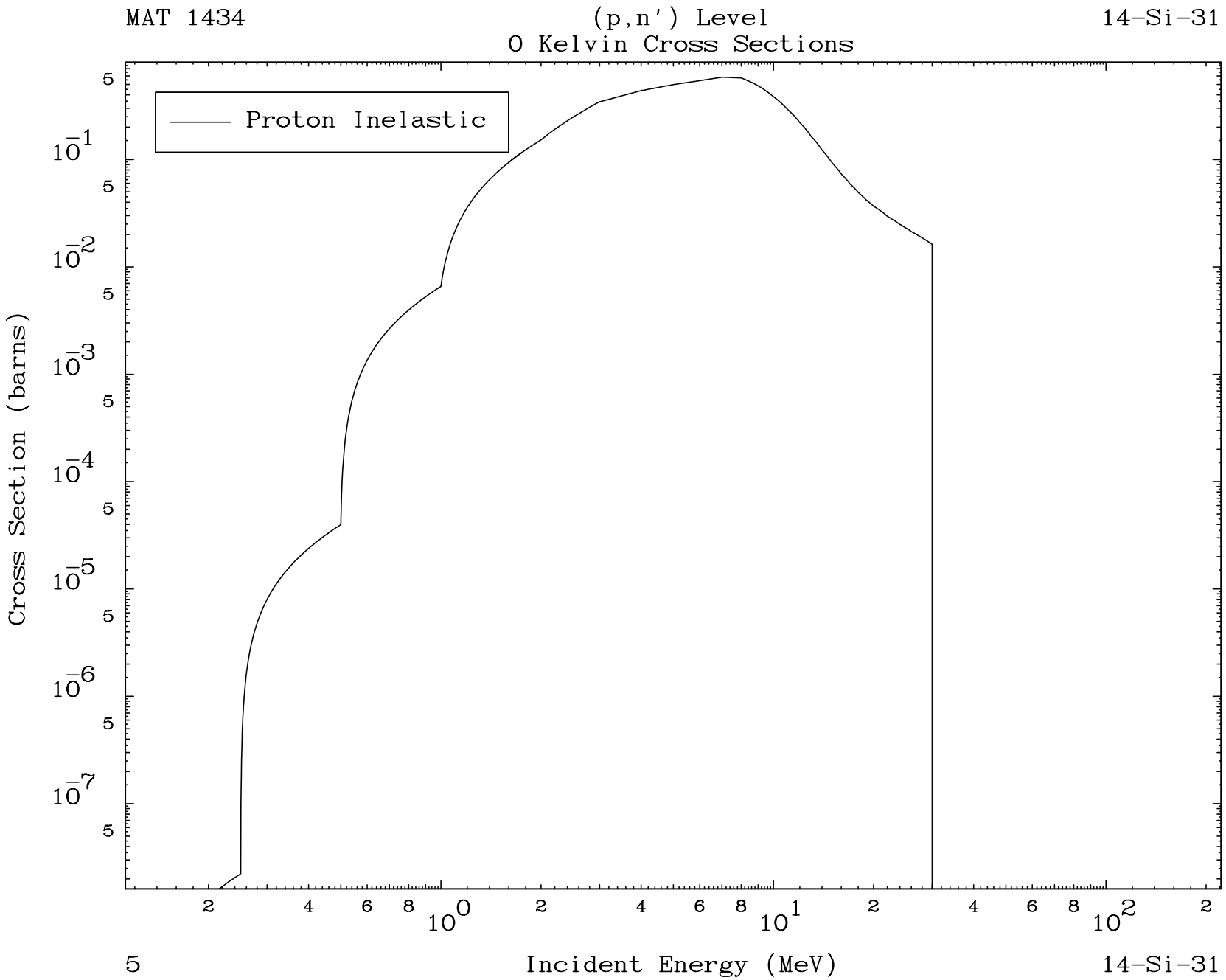
Press Mouse Button to Start

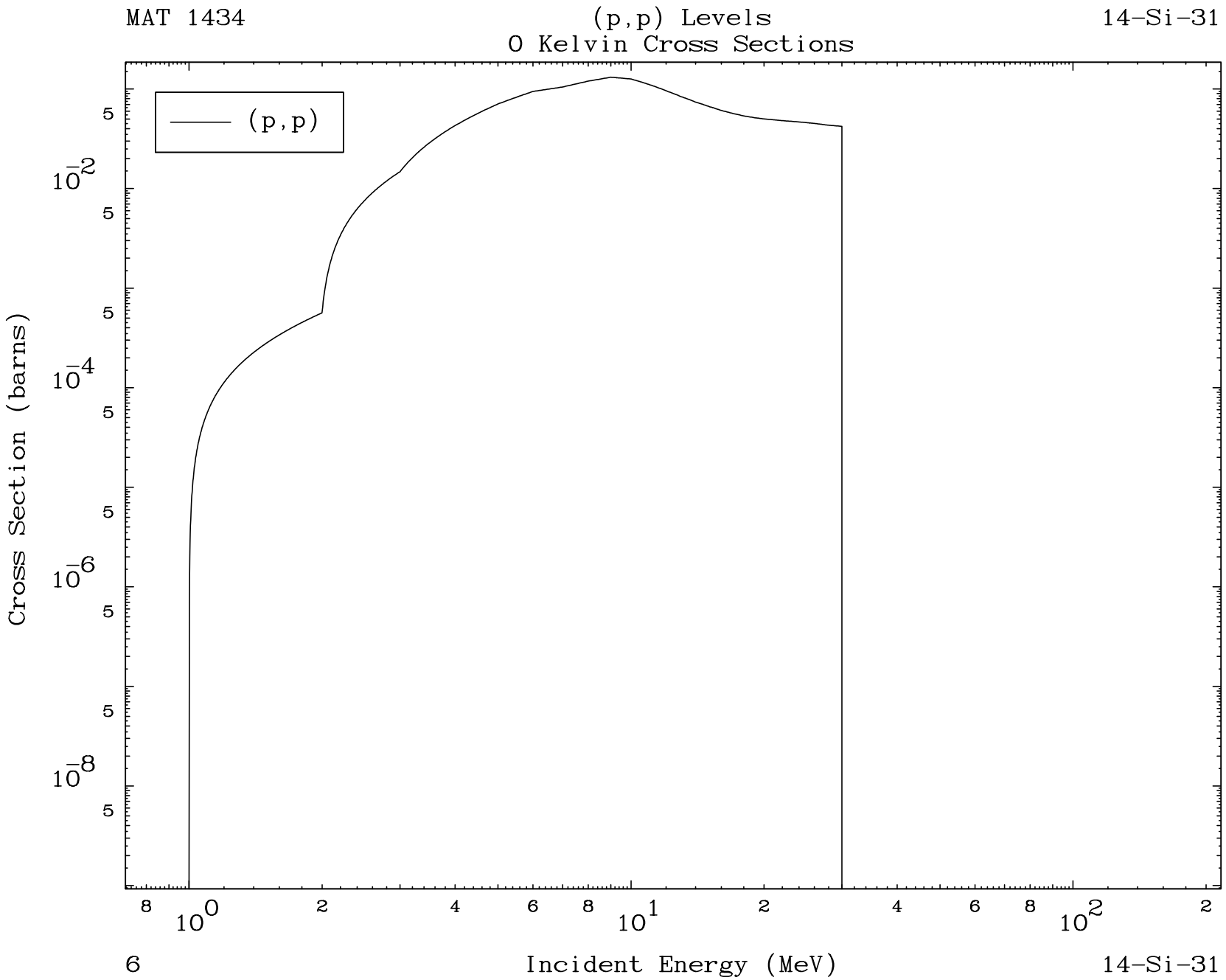

MAT 1434
Proton Major
14-Si-31
0 Kelvin Cross Sections
Proton Elastic
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
2
4
6
8
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
1
Incident Energy (MeV)
14-Si-31

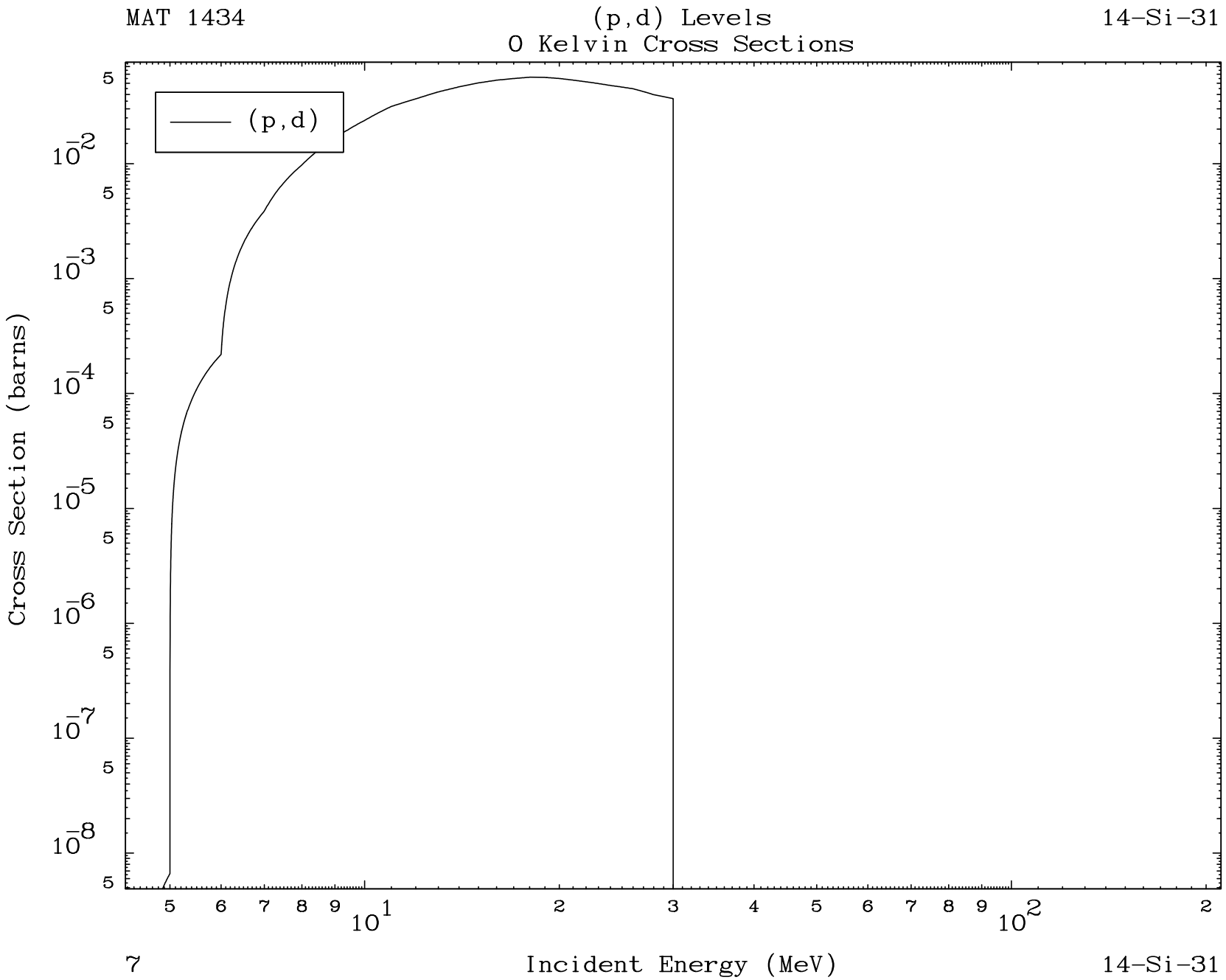

MAT 1434
Proton Neutron Production
0 Kelvin Cross Sections
14-Si-31
Cross Section (barns)
Incident Energy (MeV)
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
14-Si-31
2

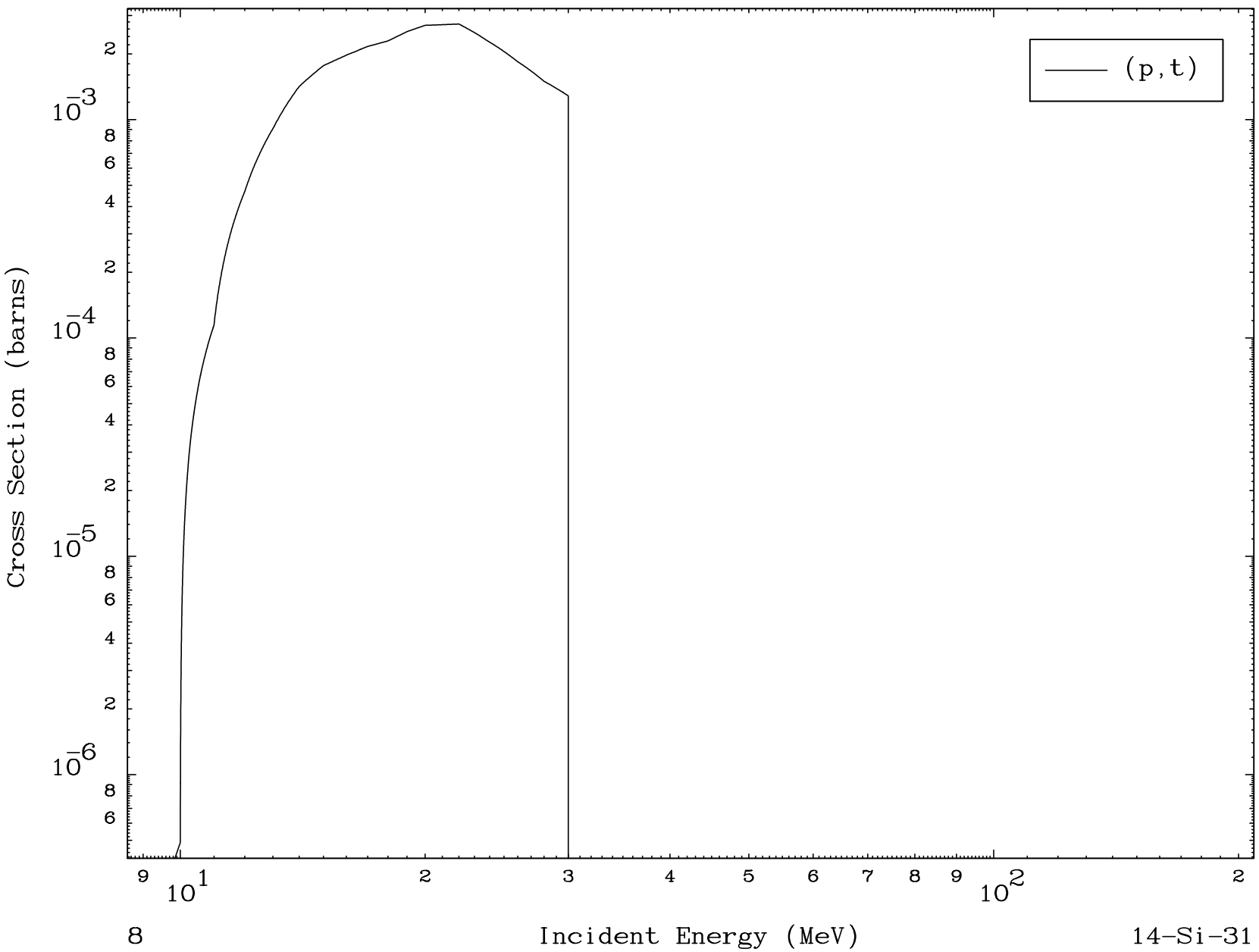

MAT 1434
Proton Charged Particle
0 Kelvin Cross Sections
14-Si-31
Cross Section (barns)
Incident Energy (MeV)
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
(p,p)
3
14-Si-31

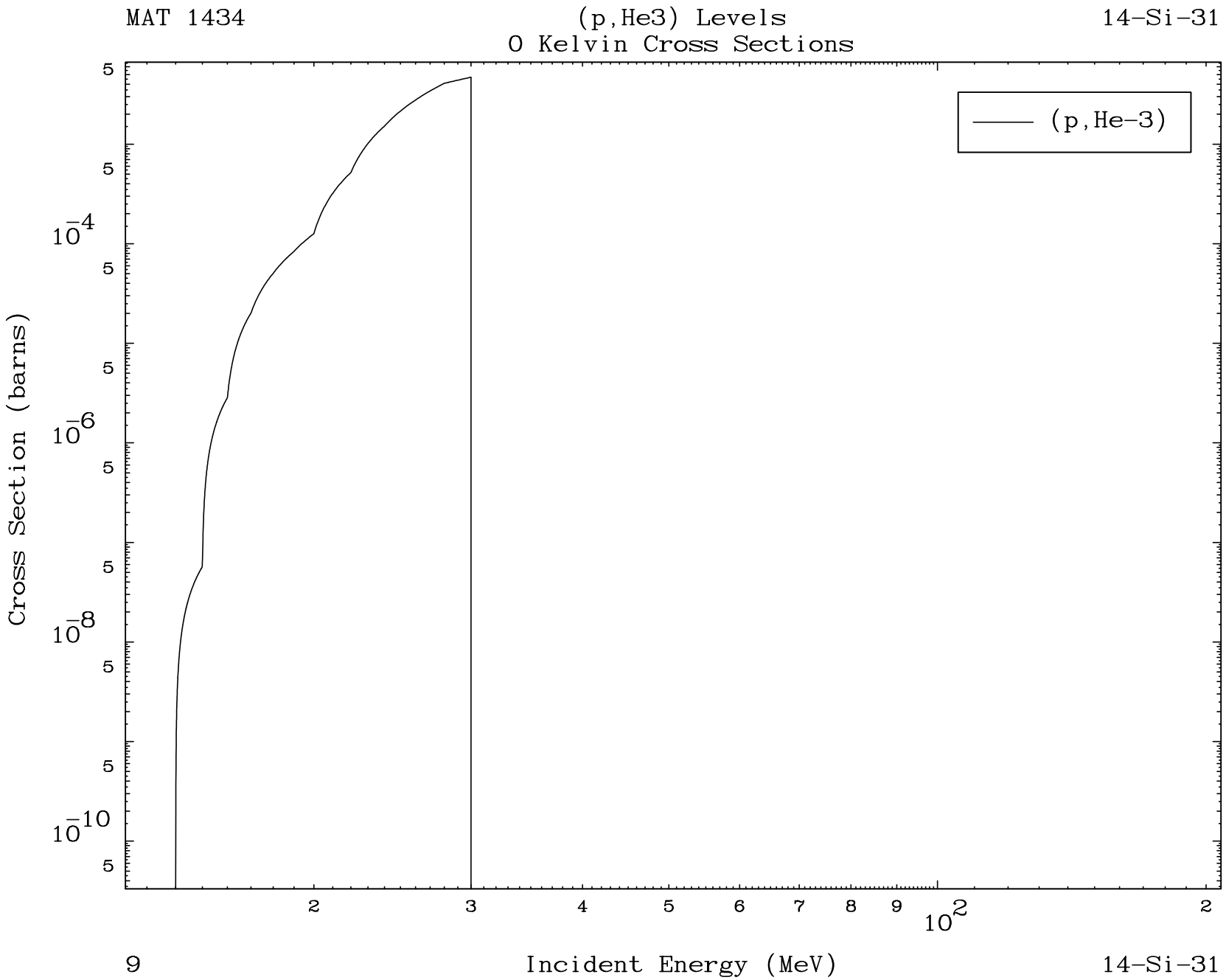

MAT 1434
Proton Charged Particle
0 Kelvin Cross Sections
14-Si-31
Cross Section (barns)
Incident Energy (MeV)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
4
14-Si-31

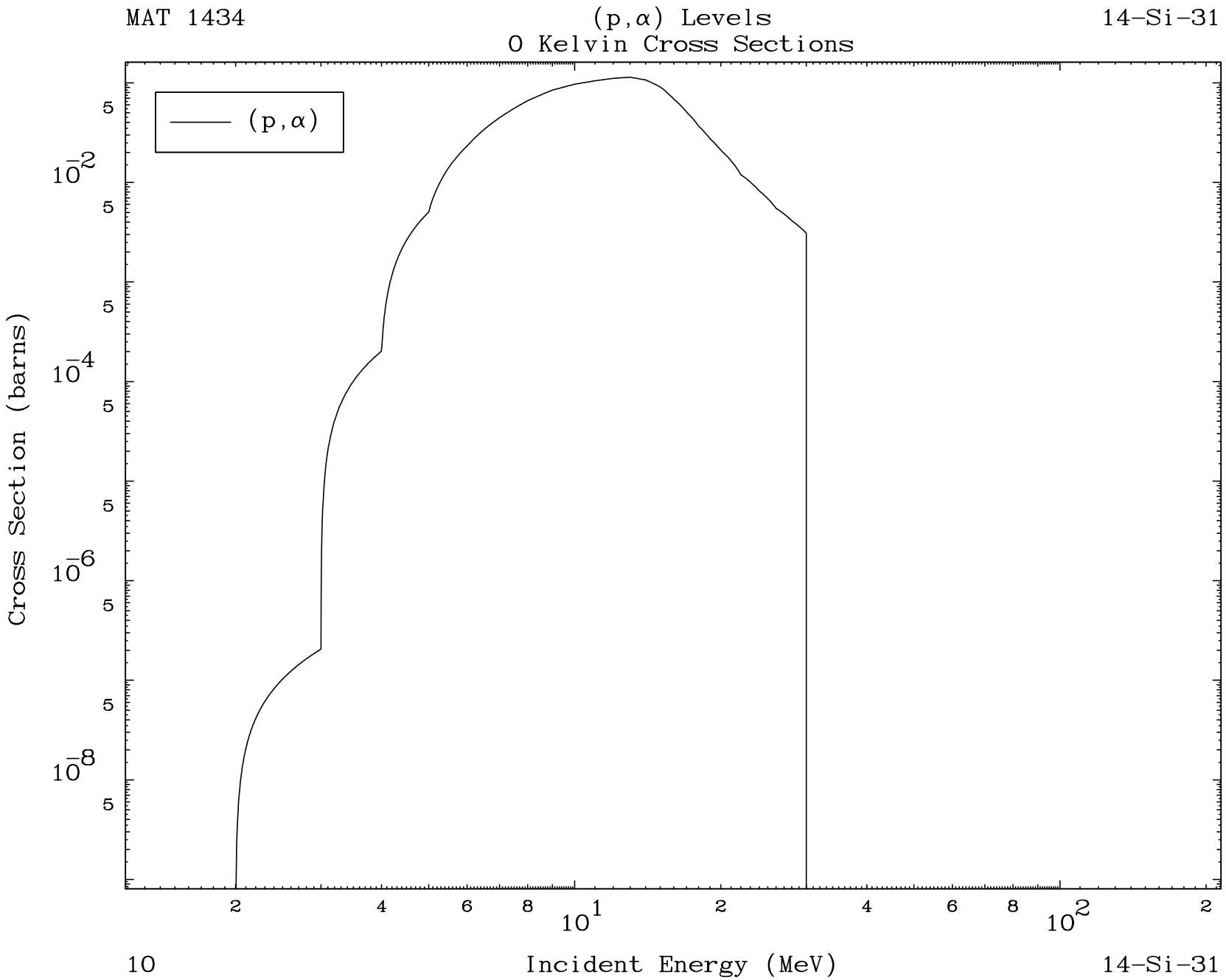

MAT 1434
(p,n') Level
14-Si-31
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
5
14-Si-31

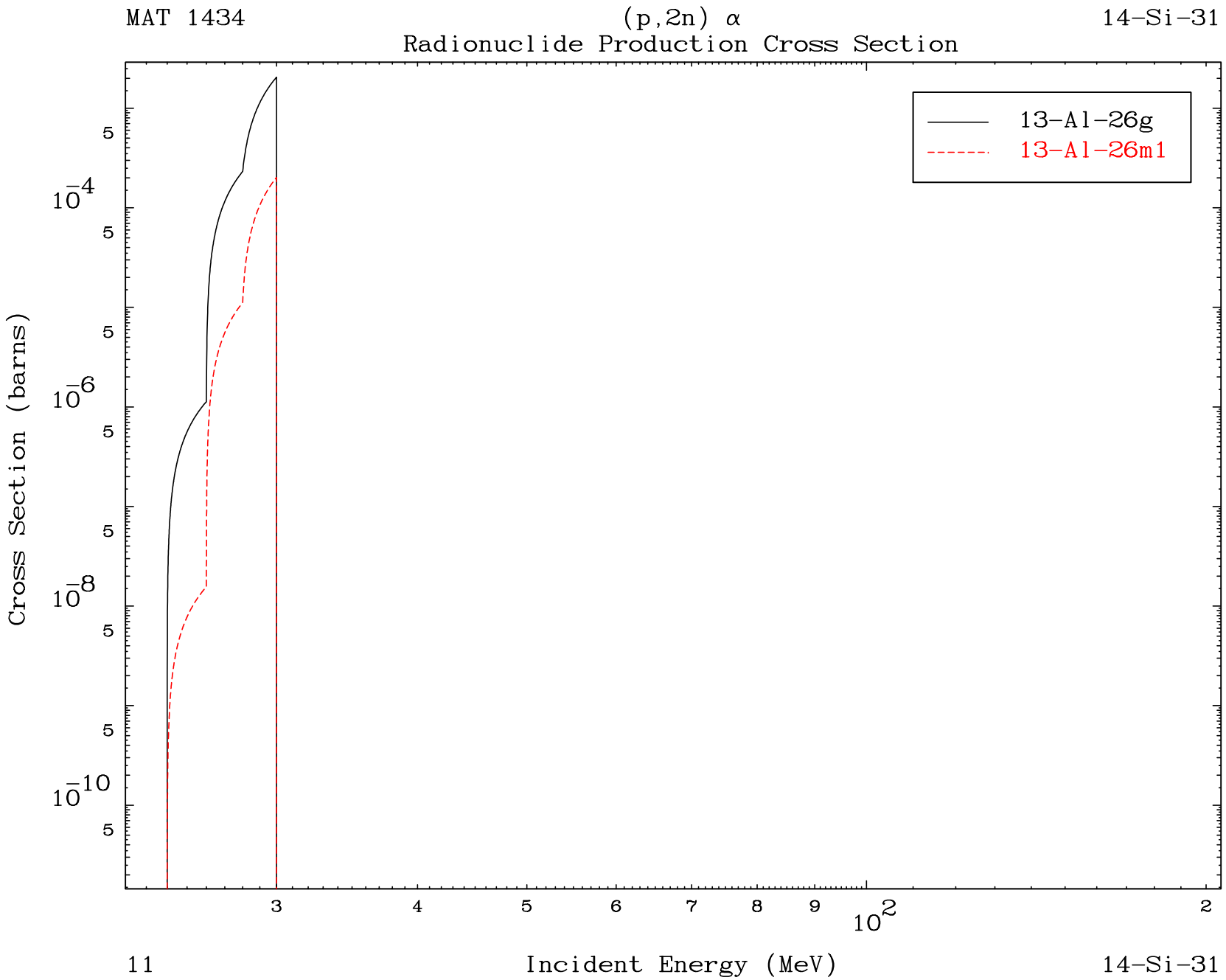

MAT 1434
(p,p) Levels
14-Si-31
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
6
14-Si-31


MAT 1434
(p,d) Levels
14-Si-31
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
7
14-Si-31


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


MAT 1434
(p,He3) Levels
14-Si-31
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
14-Si-31


MAT 1434
(p,α) Levels
14-Si-31
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
4
6
8
10^1
10^2
10
Incident Energy (MeV)
14-Si-31


MAT 1434
(p,2n) α
14-Si-31
Radionuclide Production Cross Section
13-Al-26g
13-Al-26m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
14-Si-31