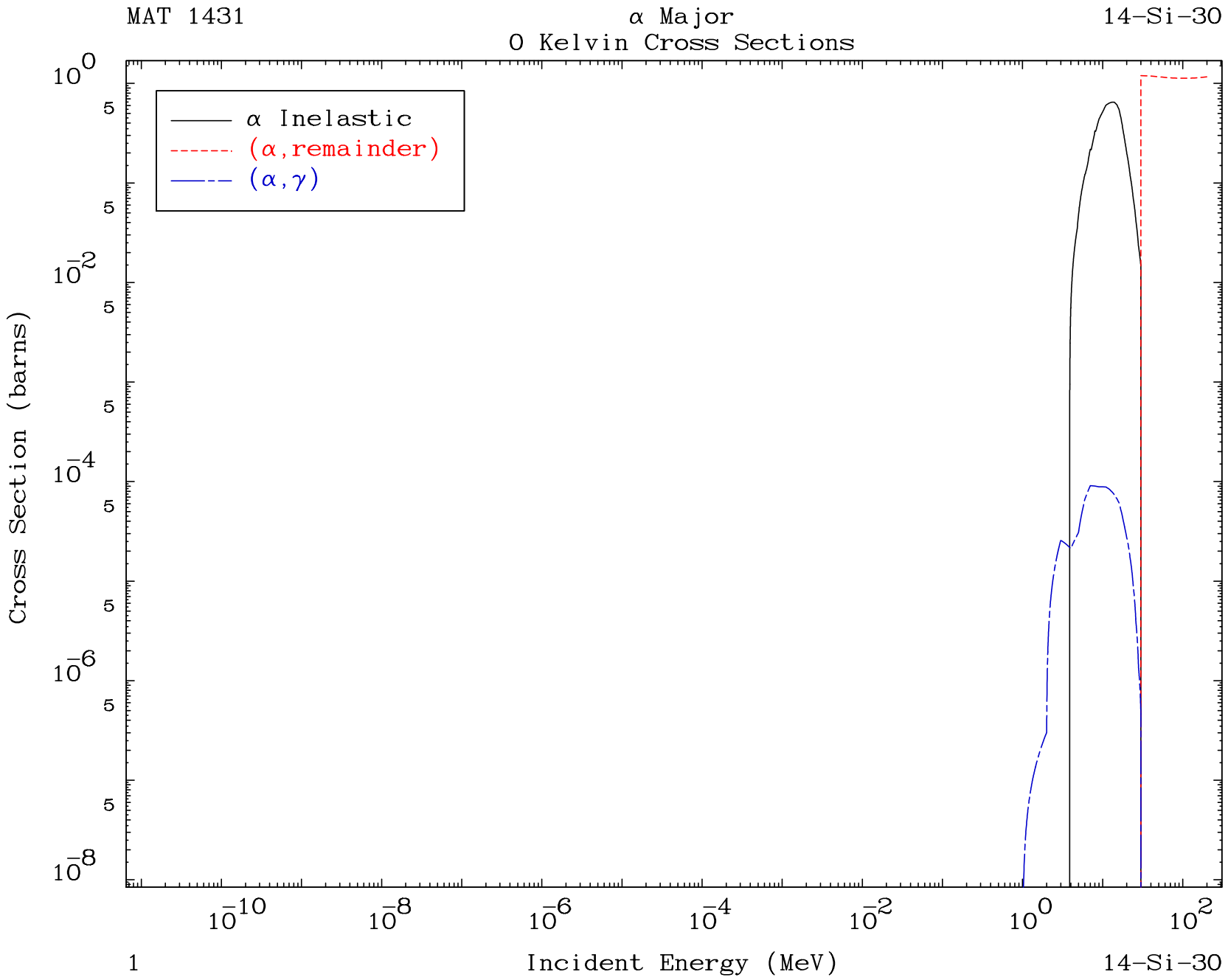
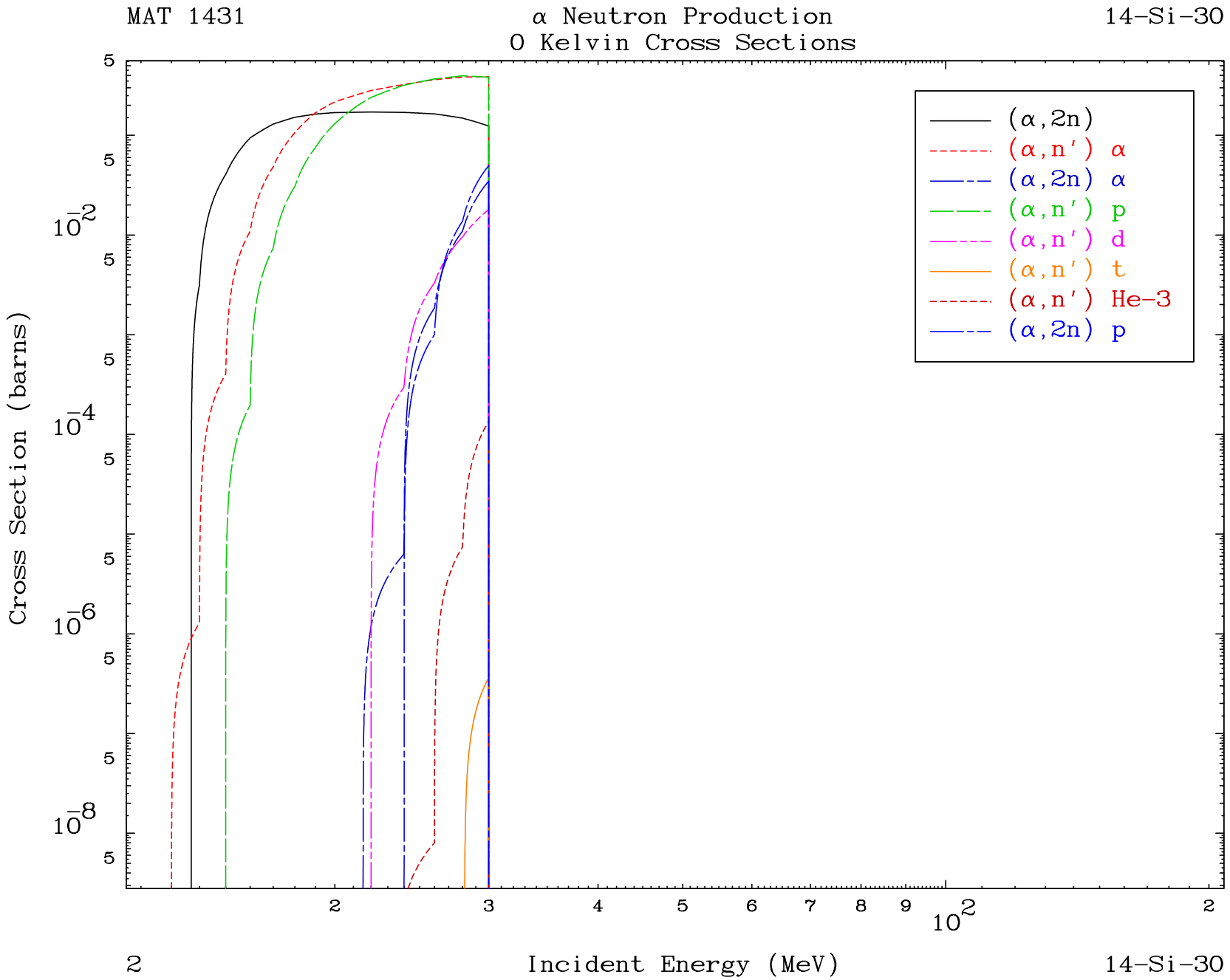
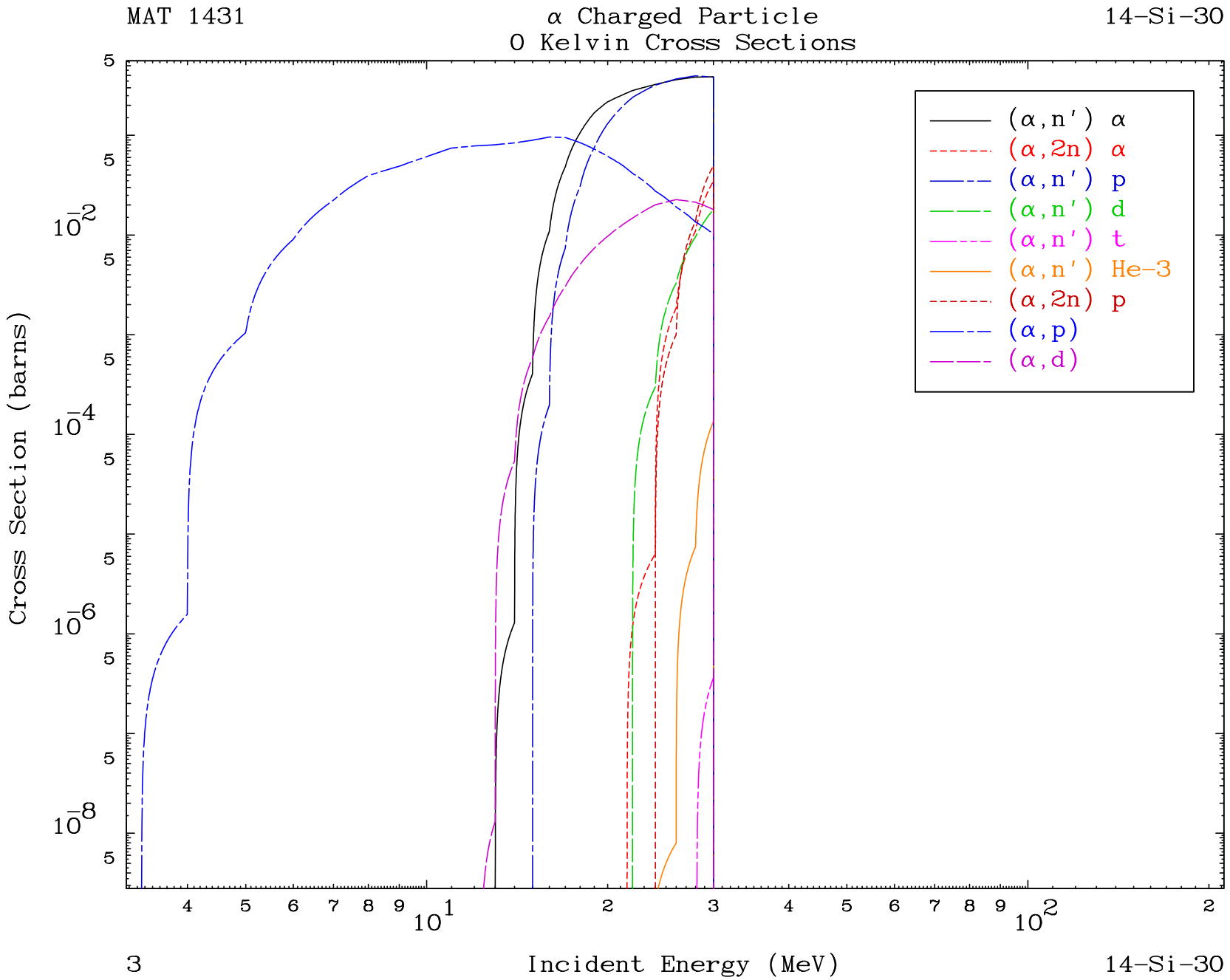
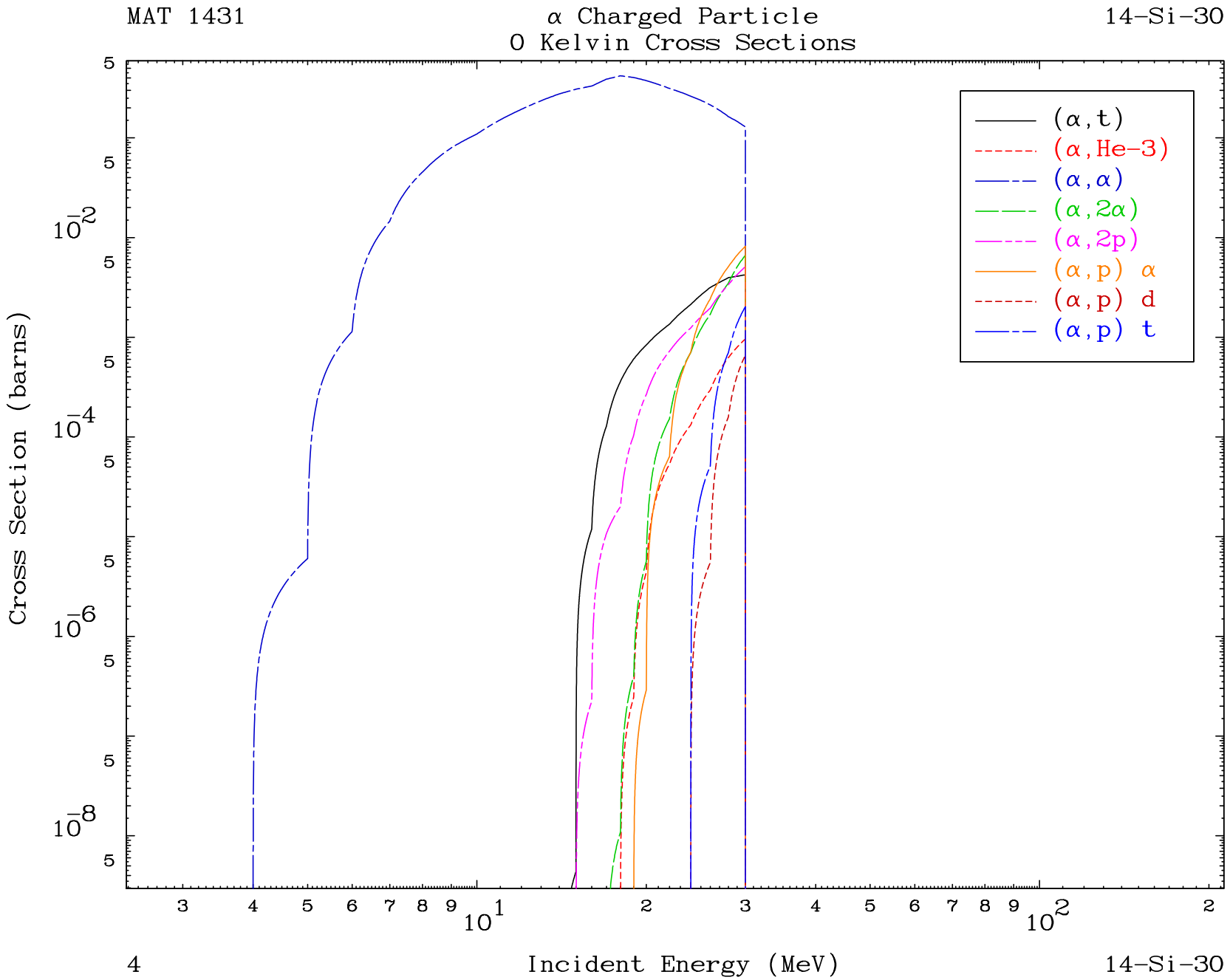
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

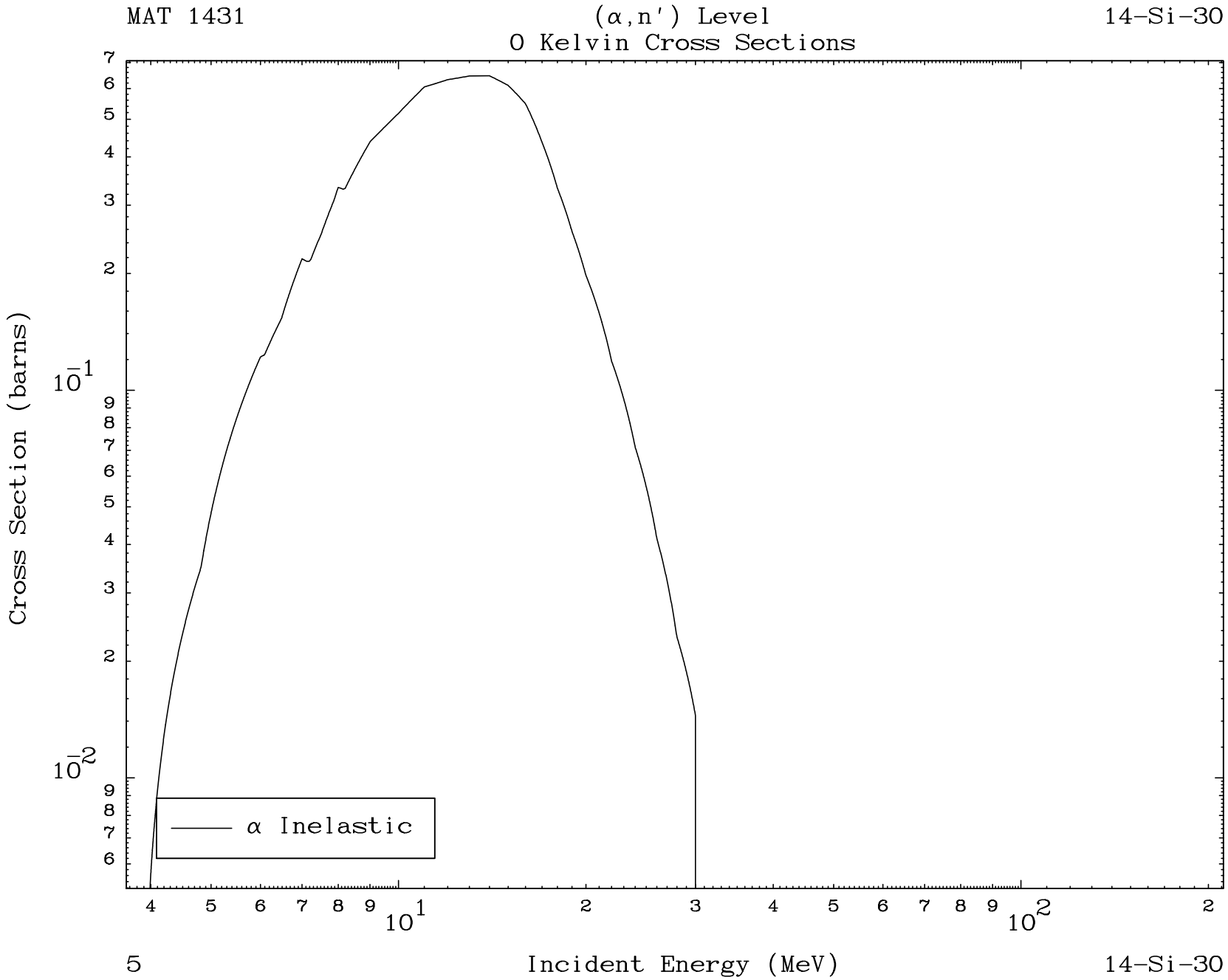
Press Mouse Button to Start

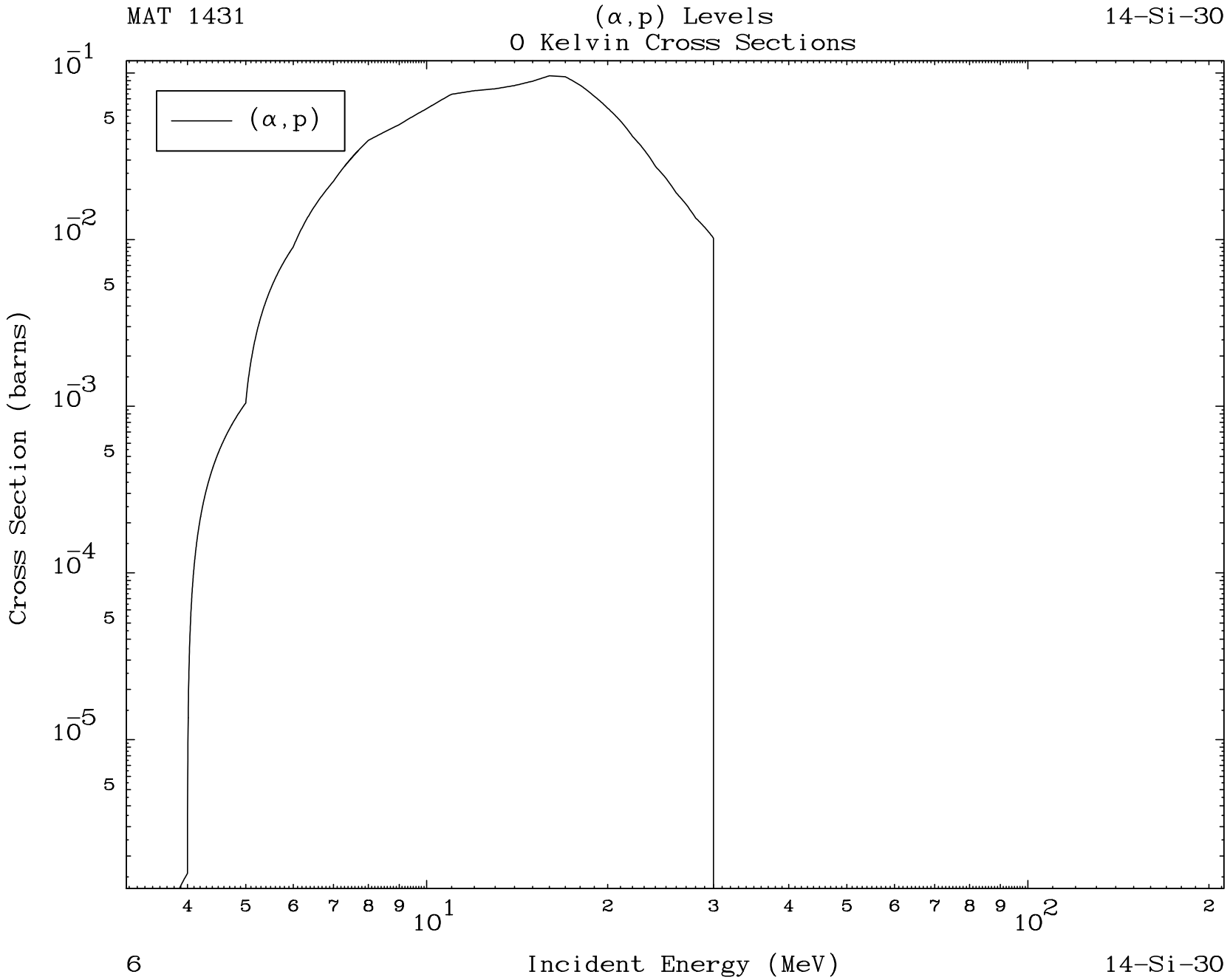

MAT 1431
α Major
14-Si-30
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
14-Si-30

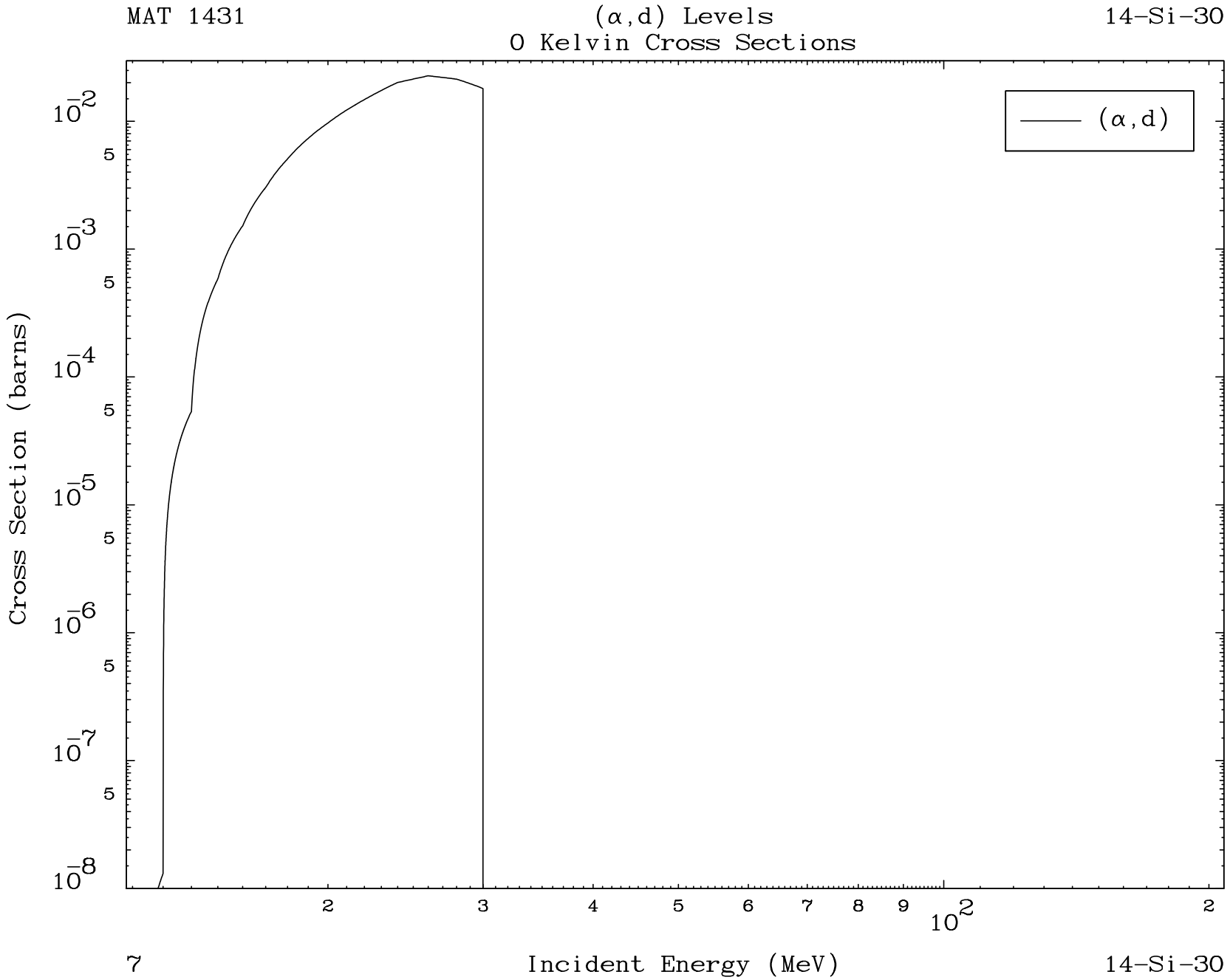

MAT 1431
α Neutron Production
0 Kelvin Cross Sections
14-Si-30
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p

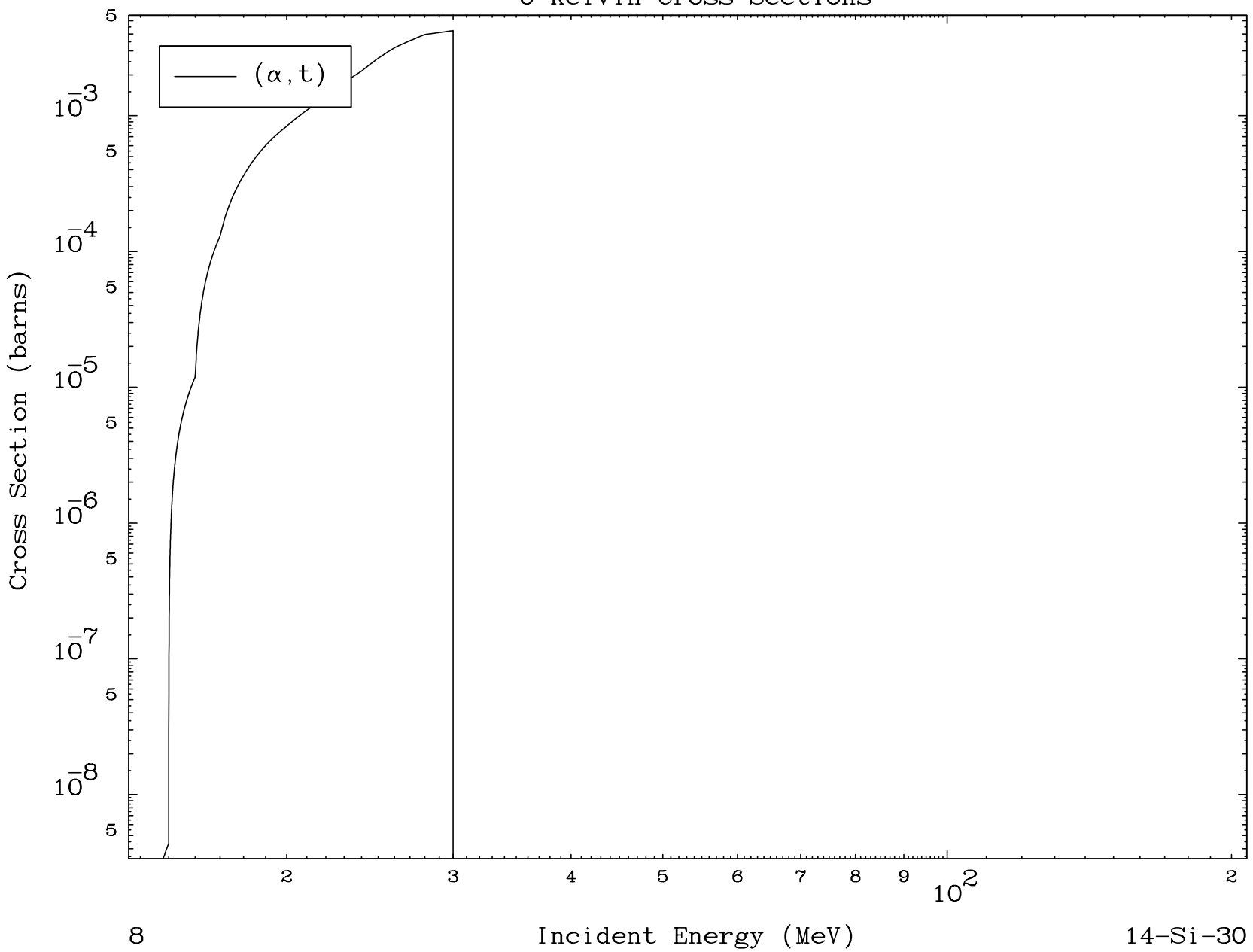

MAT 1431
α Charged Particle
0 Kelvin Cross Sections
14-Si-30
Cross Section (barns)
Incident Energy (MeV)
3
14-Si-30
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,p)
(α,d)

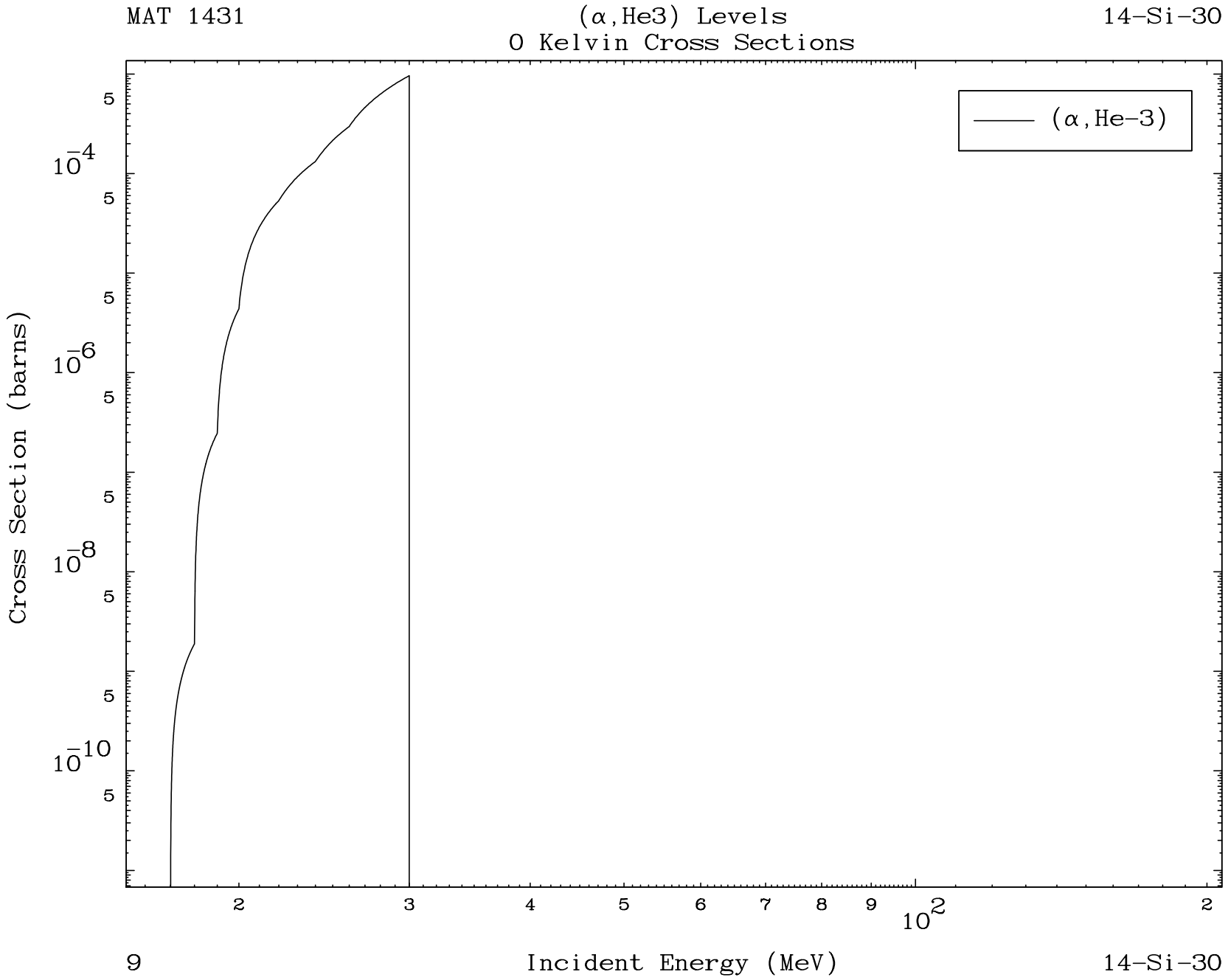

MAT 1431
α Charged Particle
0 Kelvin Cross Sections
14-Si-30
Cross Section (barns)
Incident Energy (MeV)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
4
14-Si-30

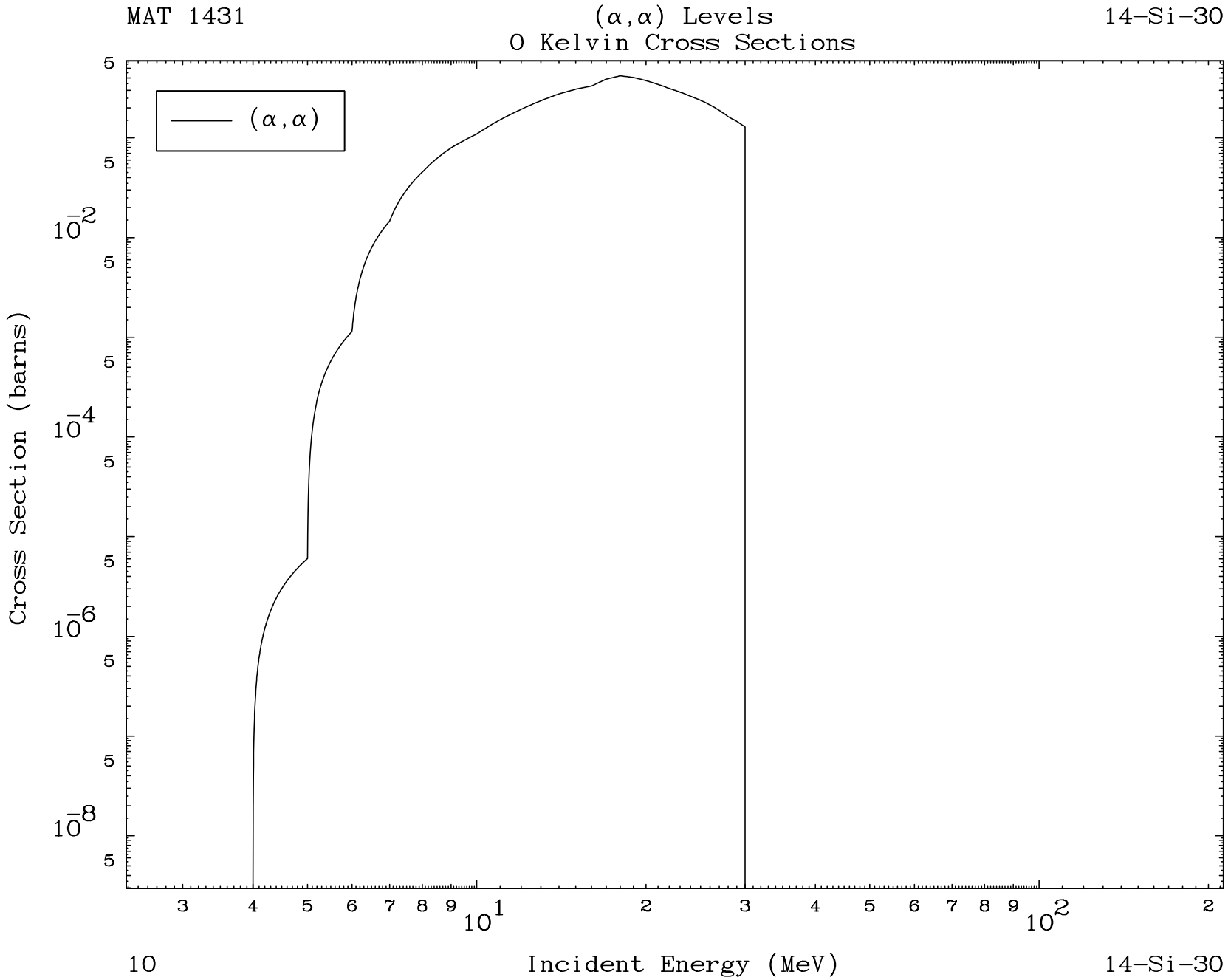

MAT 1431
(α,n') Level
14-Si-30
0 Kelvin Cross Sections
Cross Section (barns)
α Inelastic
Incident Energy (MeV)
5
14-Si-30


MAT 1431
(α,p) Levels
14-Si-30
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
14-Si-30


MAT 1431
(α,d) Levels
14-Si-30
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
10-7
10-8
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
14-Si-30


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


MAT 1431
(α,He3) Levels
14-Si-30
0 Kelvin Cross Sections
(α,He-3)
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)
9
14-Si-30


MAT 1431
(α,α) Levels
14-Si-30
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
10
14-Si-30