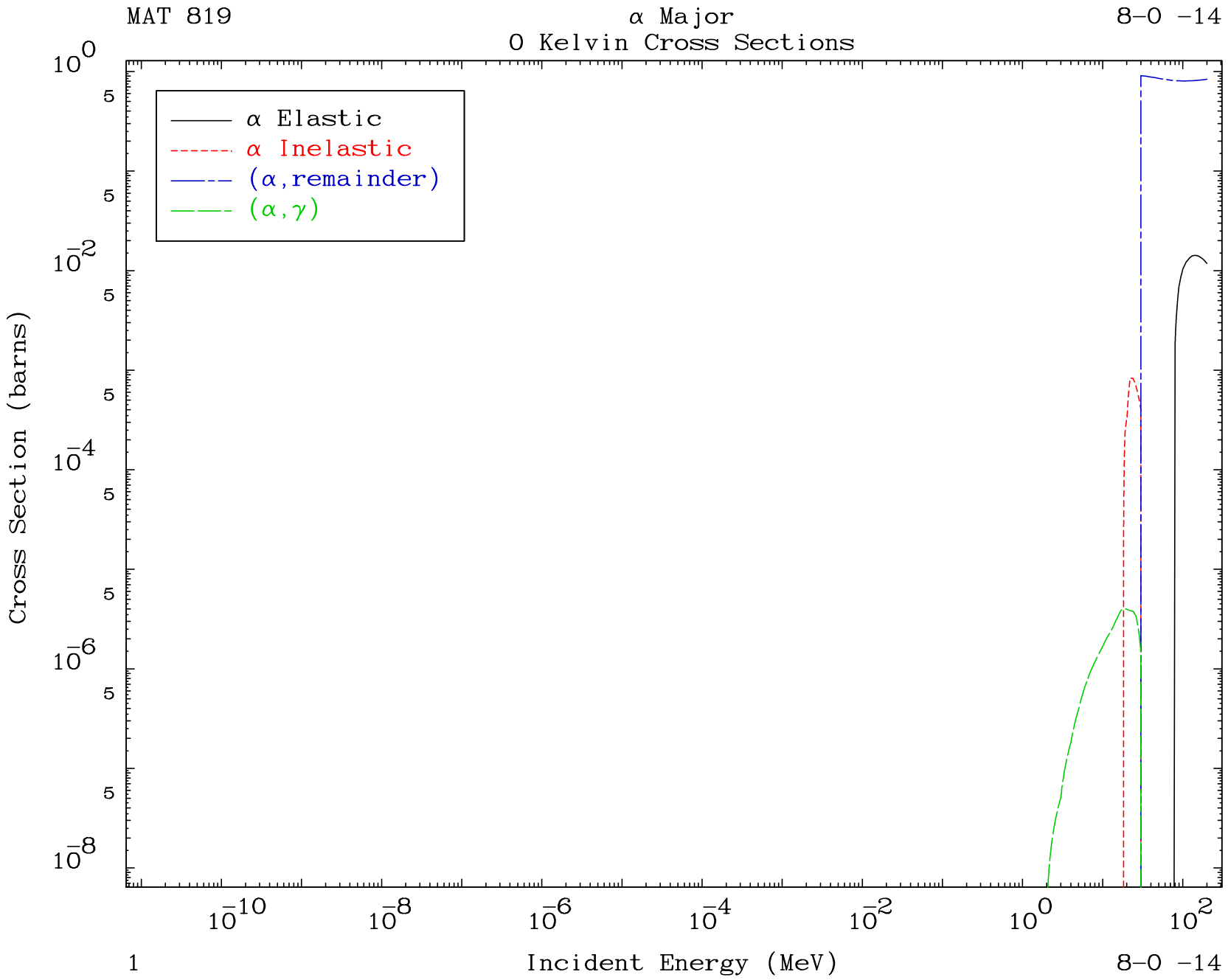
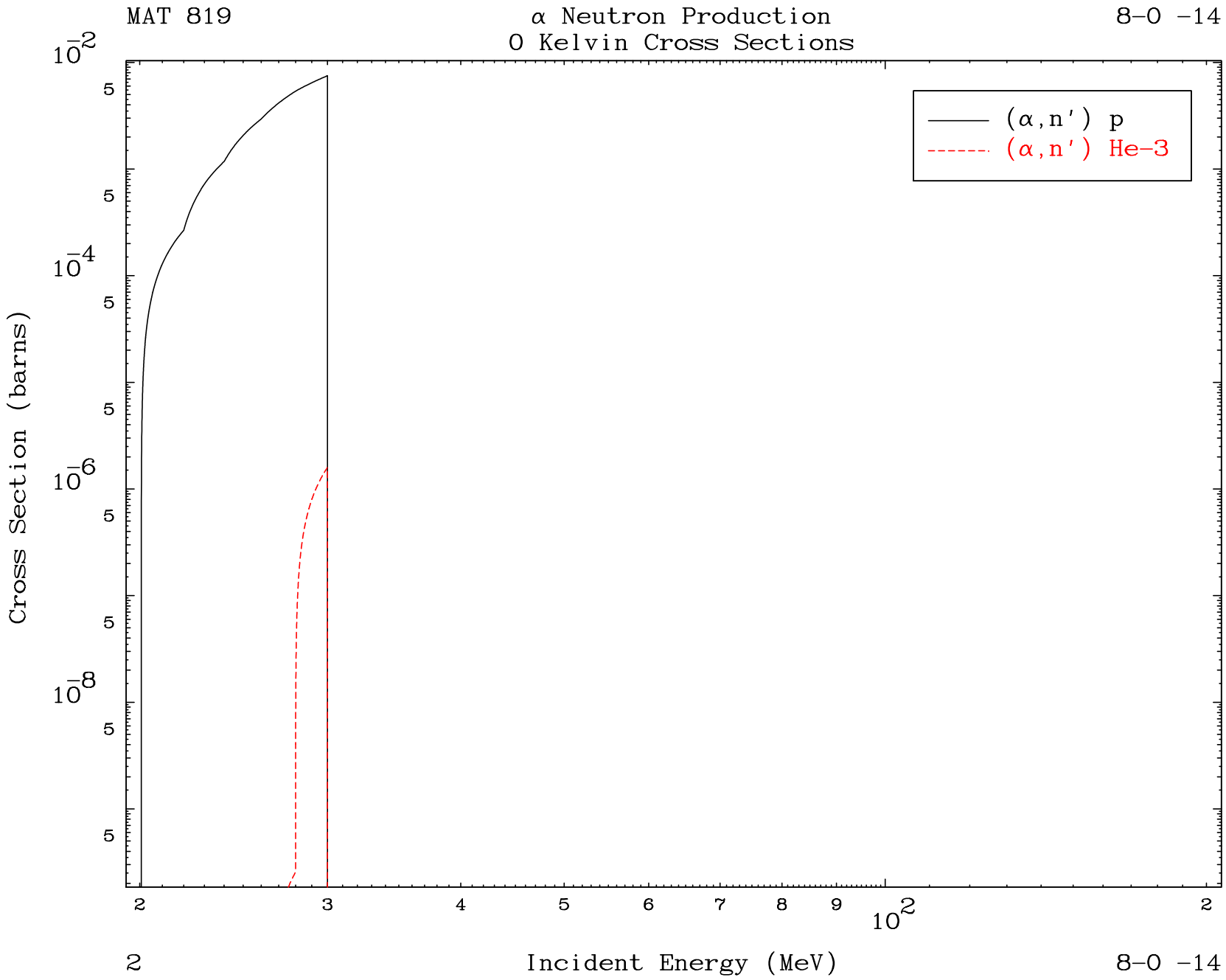
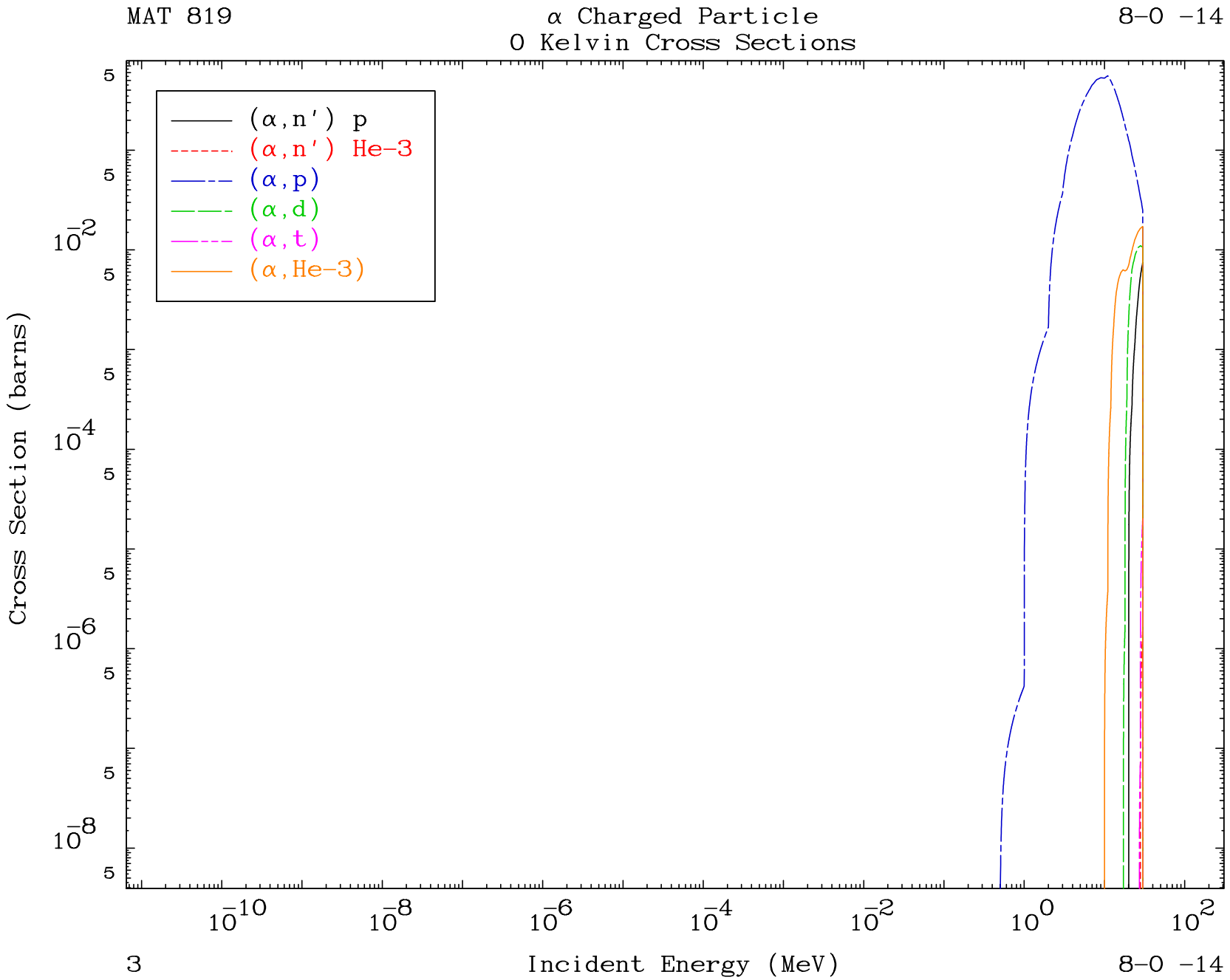
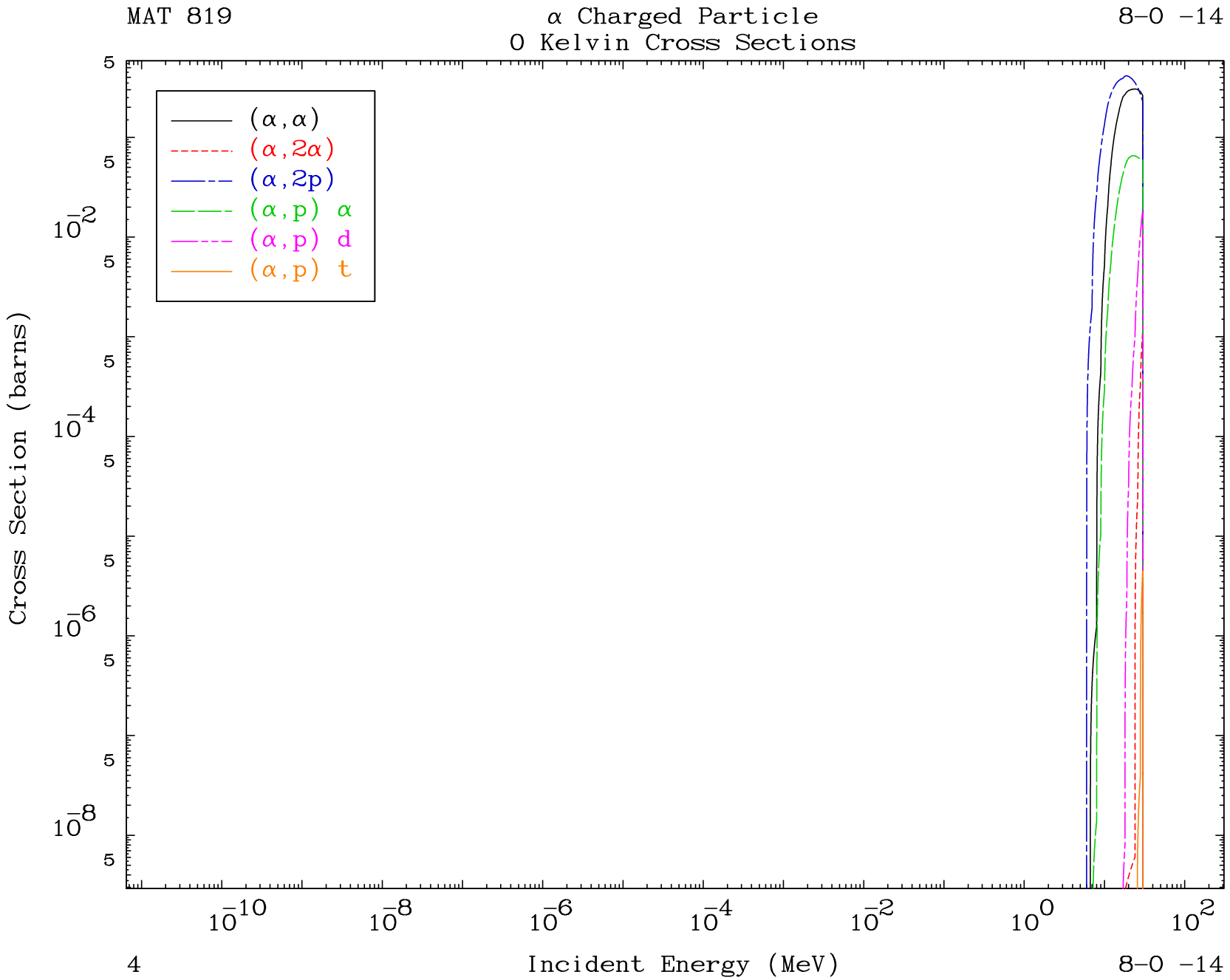
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

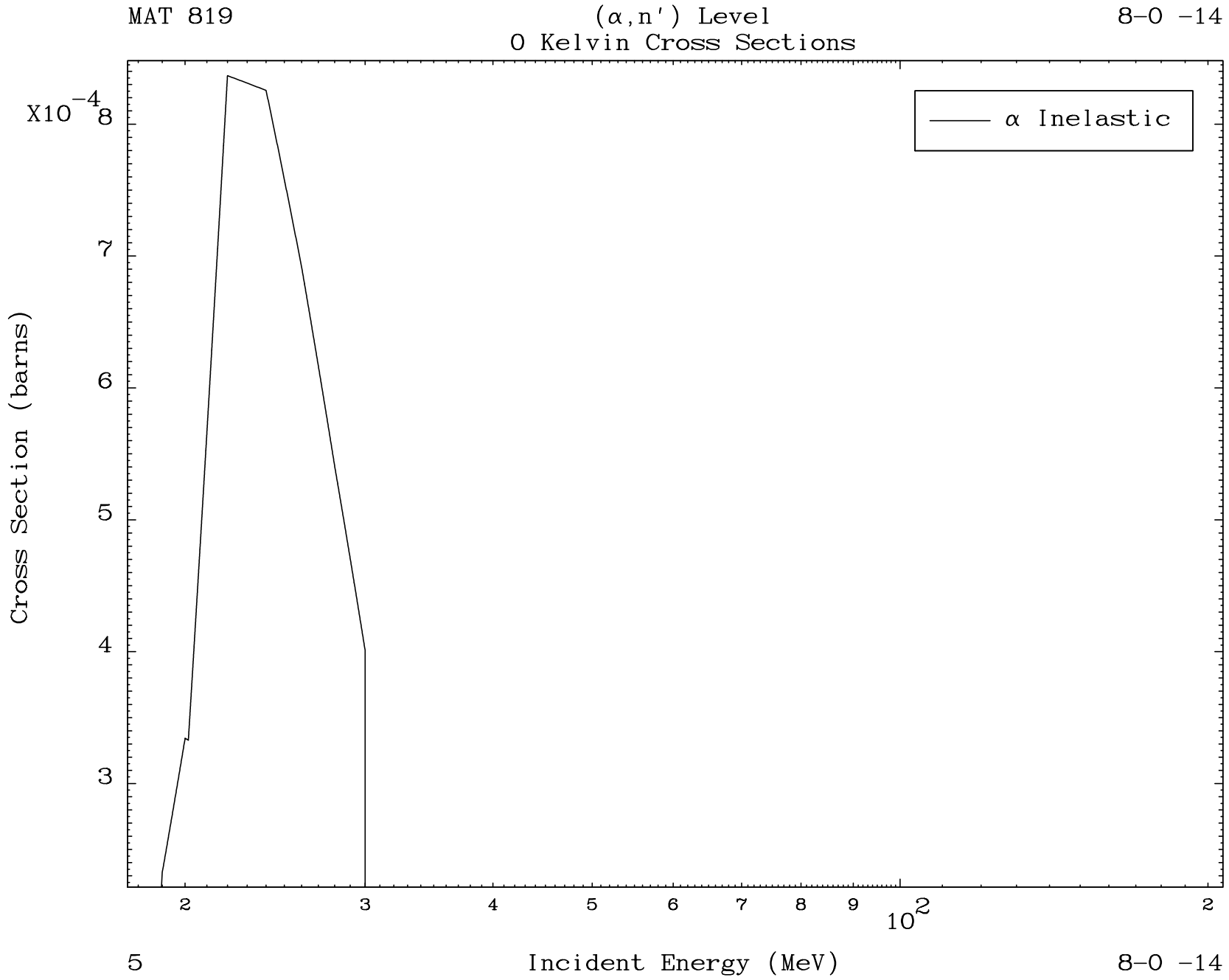
Press Mouse Button to Start

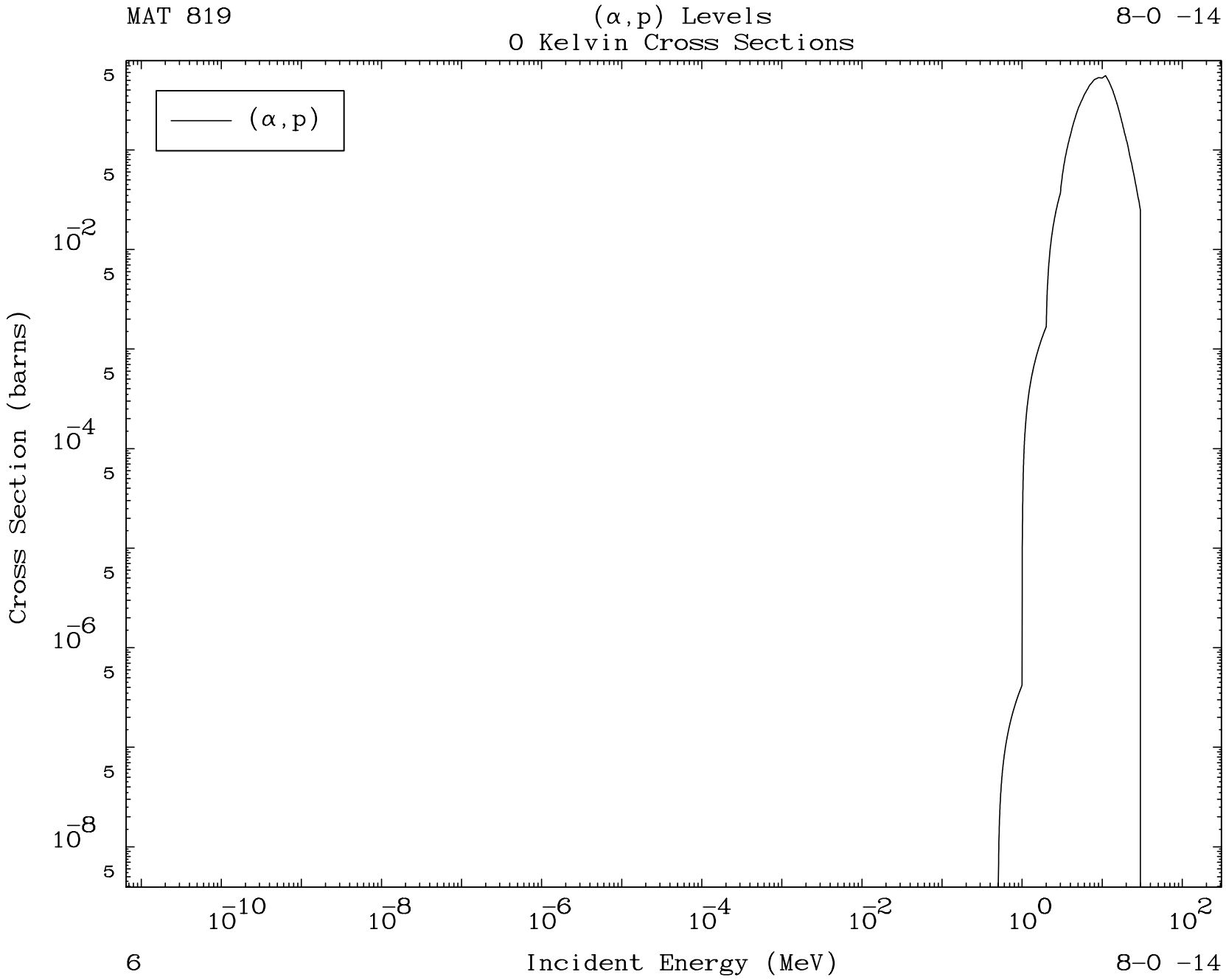

MAT 819
α Major
8-0 -14
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
8-0 -14


MAT 819
α Neutron Production
0 Kelvin Cross Sections
8-0 -14
Cross Section (barns)
10-2
10-4
10-6
10-8
(α,n') p
(α,n') He-3
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
8-0 -14


MAT 819
α Charged Particle
0 Kelvin Cross Sections
8-0 -14
(α,n') p
(α,n') He-3
(α,p)
(α,d)
(α,t)
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
8-0 -14

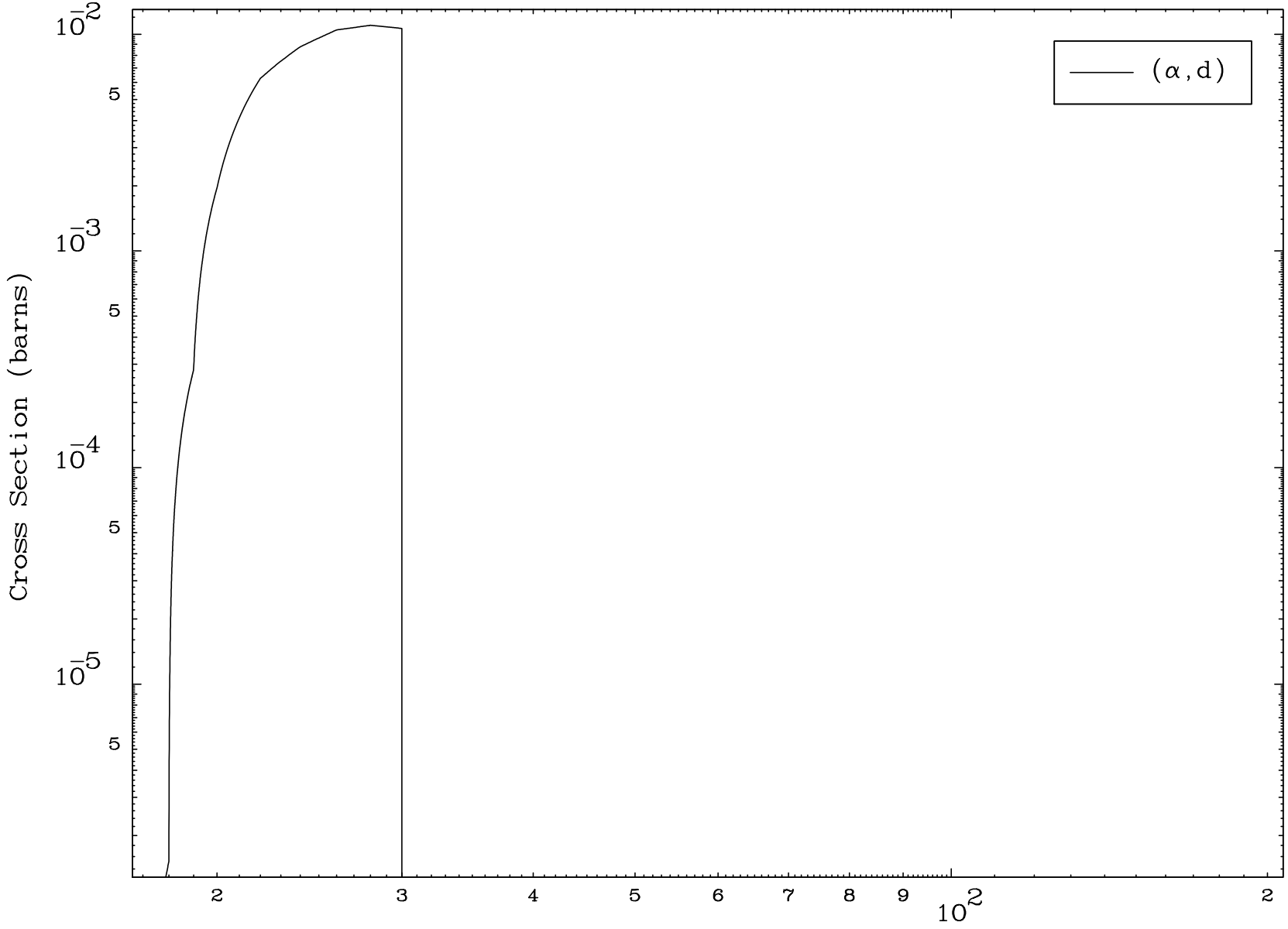

MAT 819
α Charged Particle
0 Kelvin Cross Sections
8-0 -14
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
8-0 -14

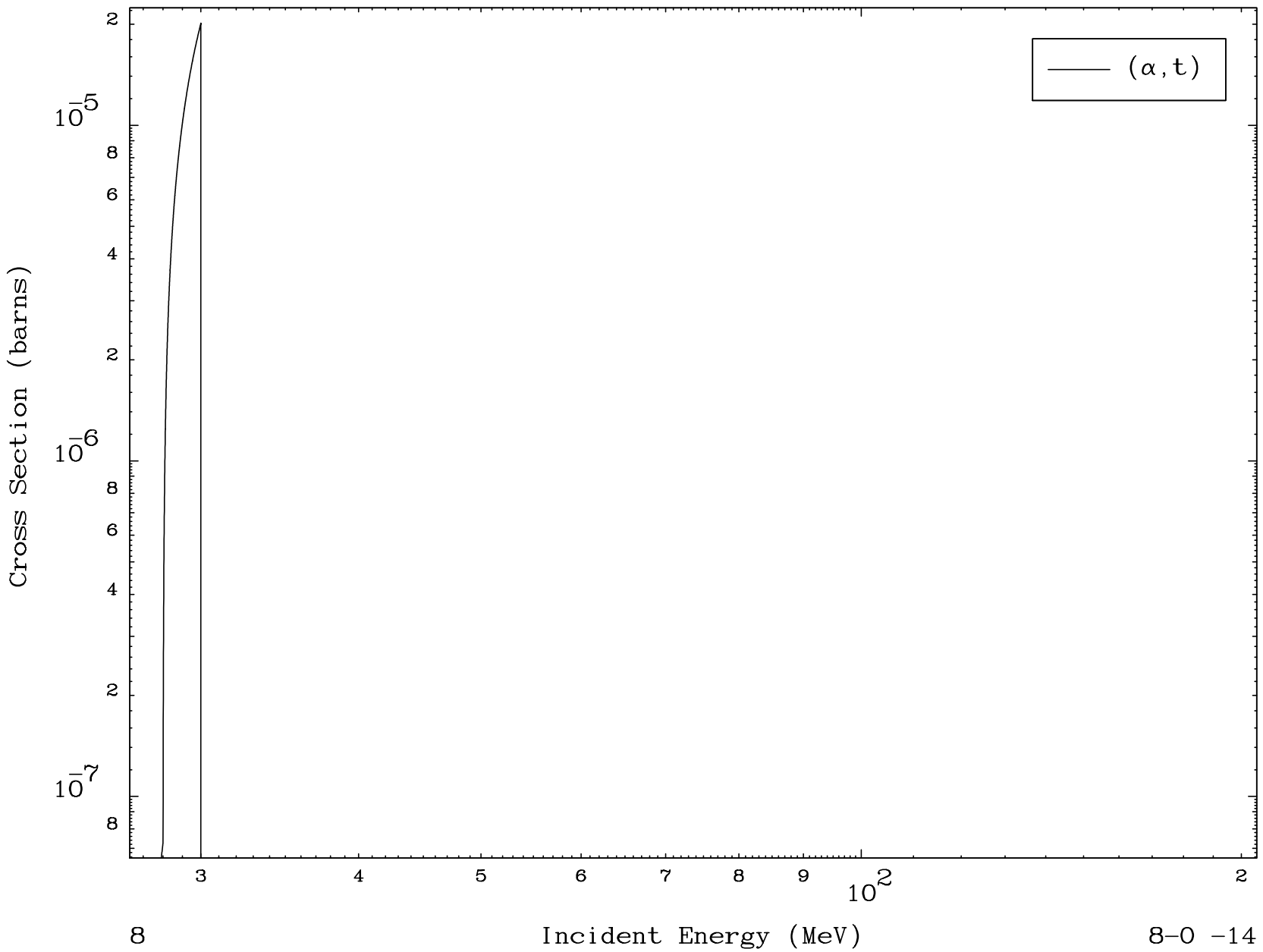

MAT 819
(α,n') Level
8-0 -14
0 Kelvin Cross Sections
X10^-4
8
7
6
5
4
3
Cross Section (barns)
α Inelastic
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
8-0 -14

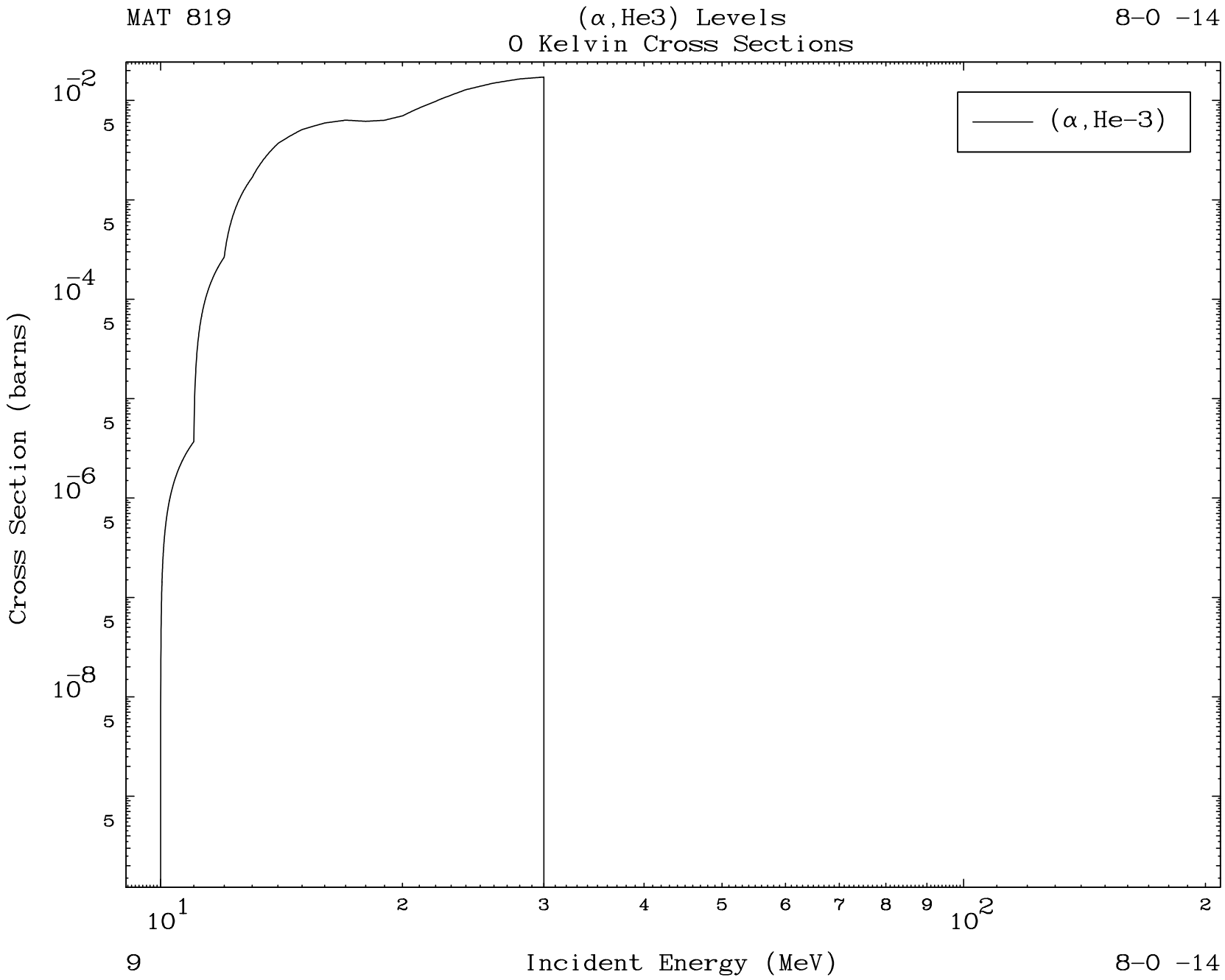

MAT 819
(α,p) Levels
8-0 -14
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
8-0 -14

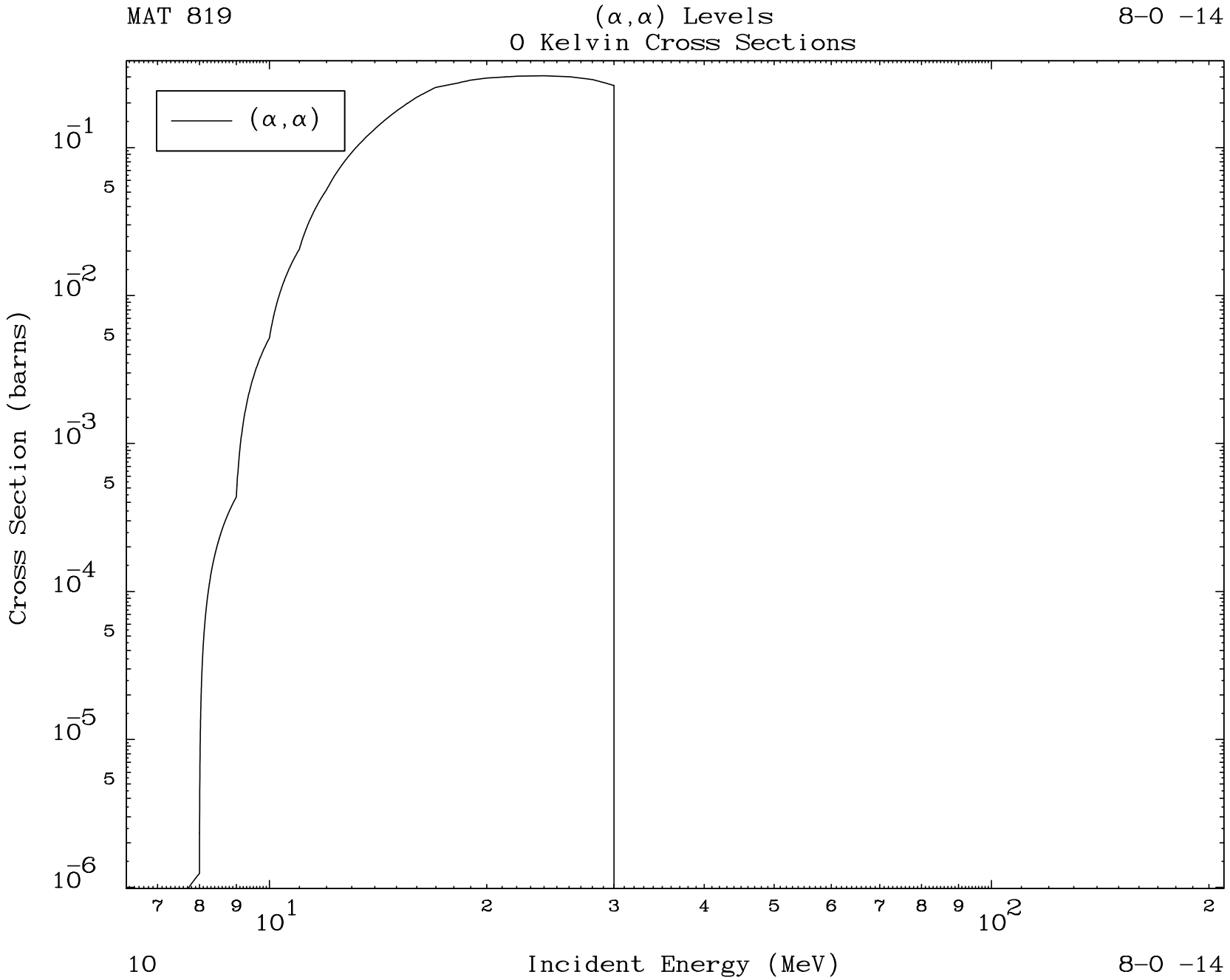
(α,d) Levels

0 Kelvin Cross Sections




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


MAT 819
(α,He3) Levels
8-0 -14
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
10^1
10^2
9
8-0 -14


MAT 819
(α,α) Levels
8-0 -14
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-1
5
10^-2
5
10^-3
5
10^-4
5
10^-5
5
10^-6
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
8-0 -14