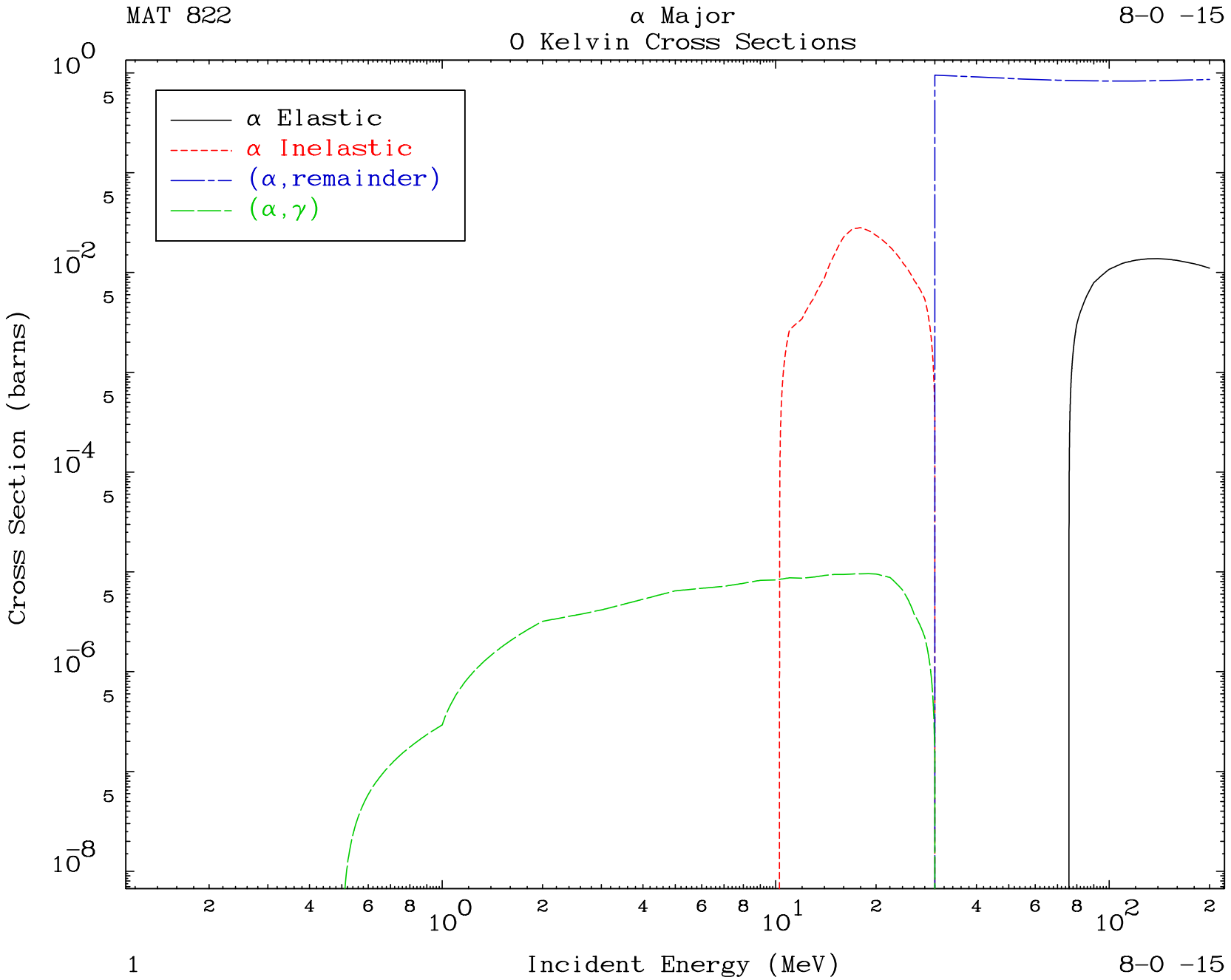
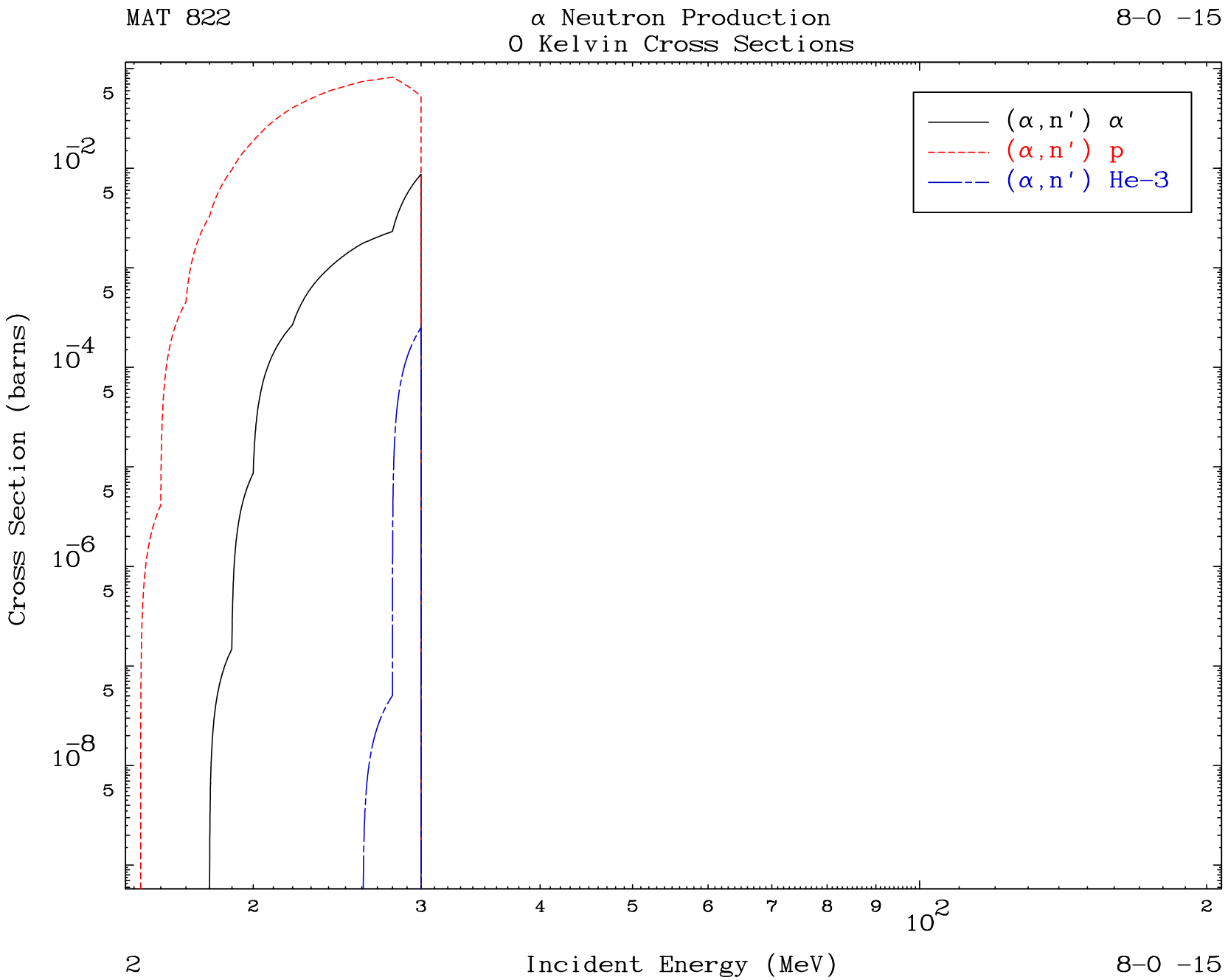
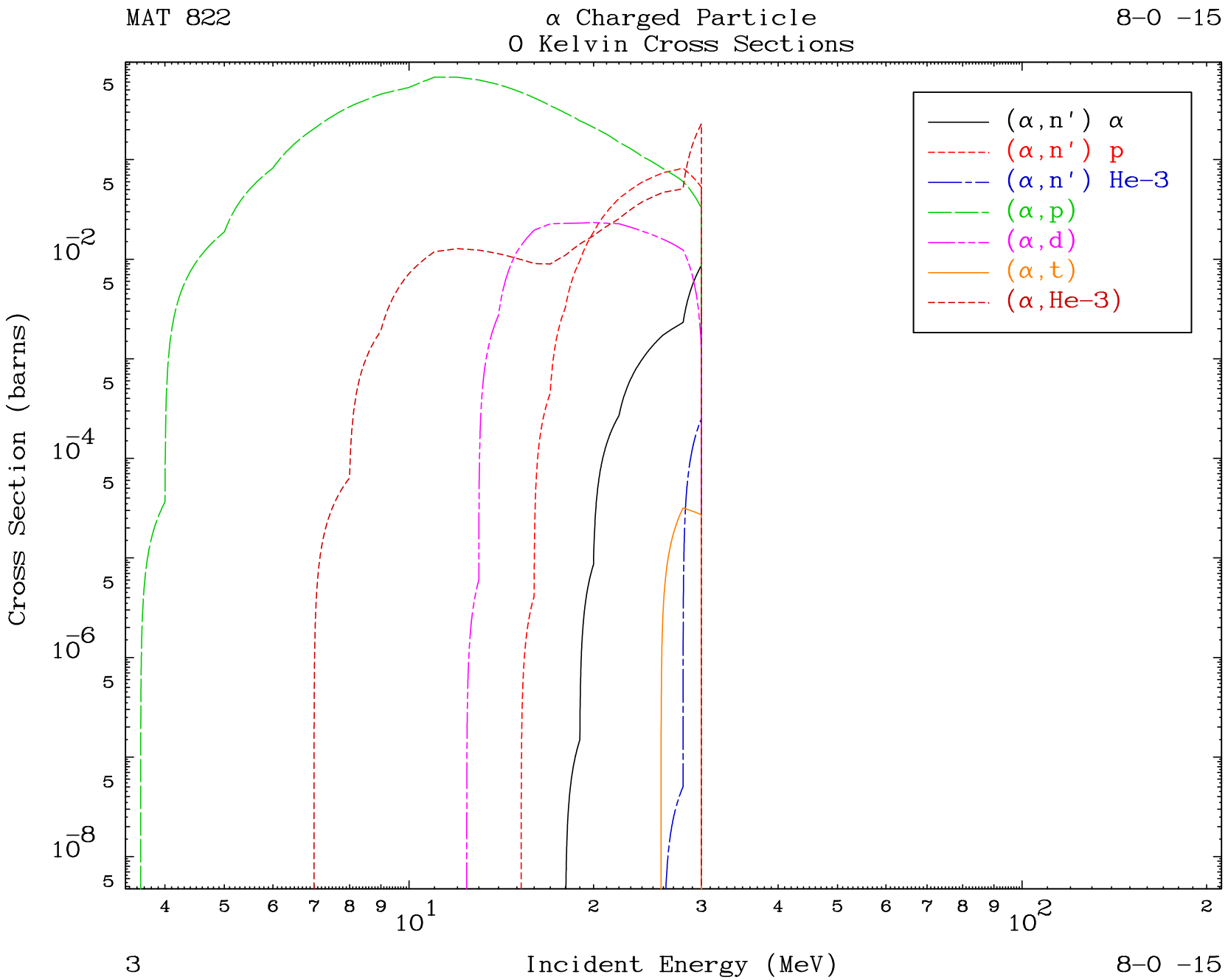
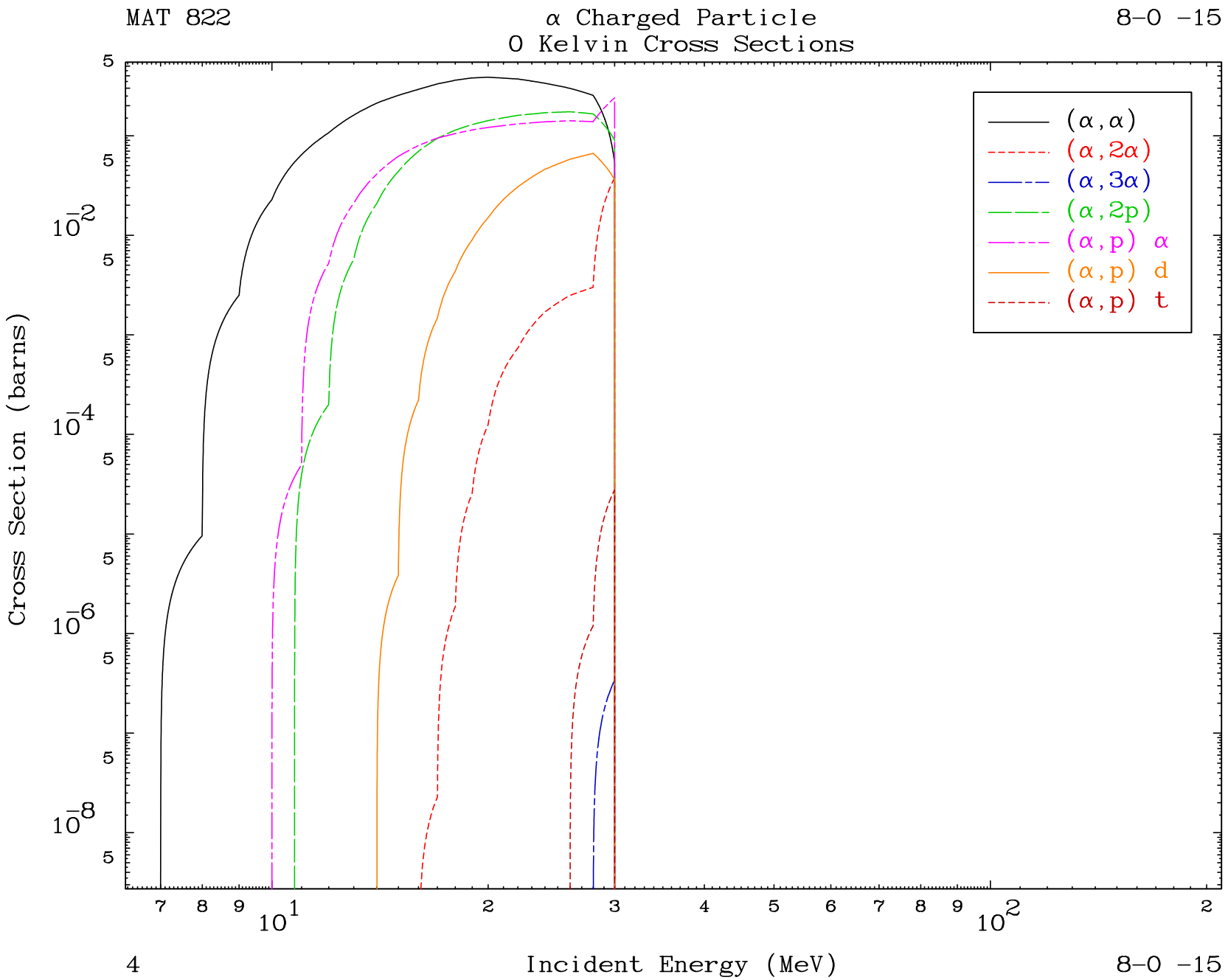
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

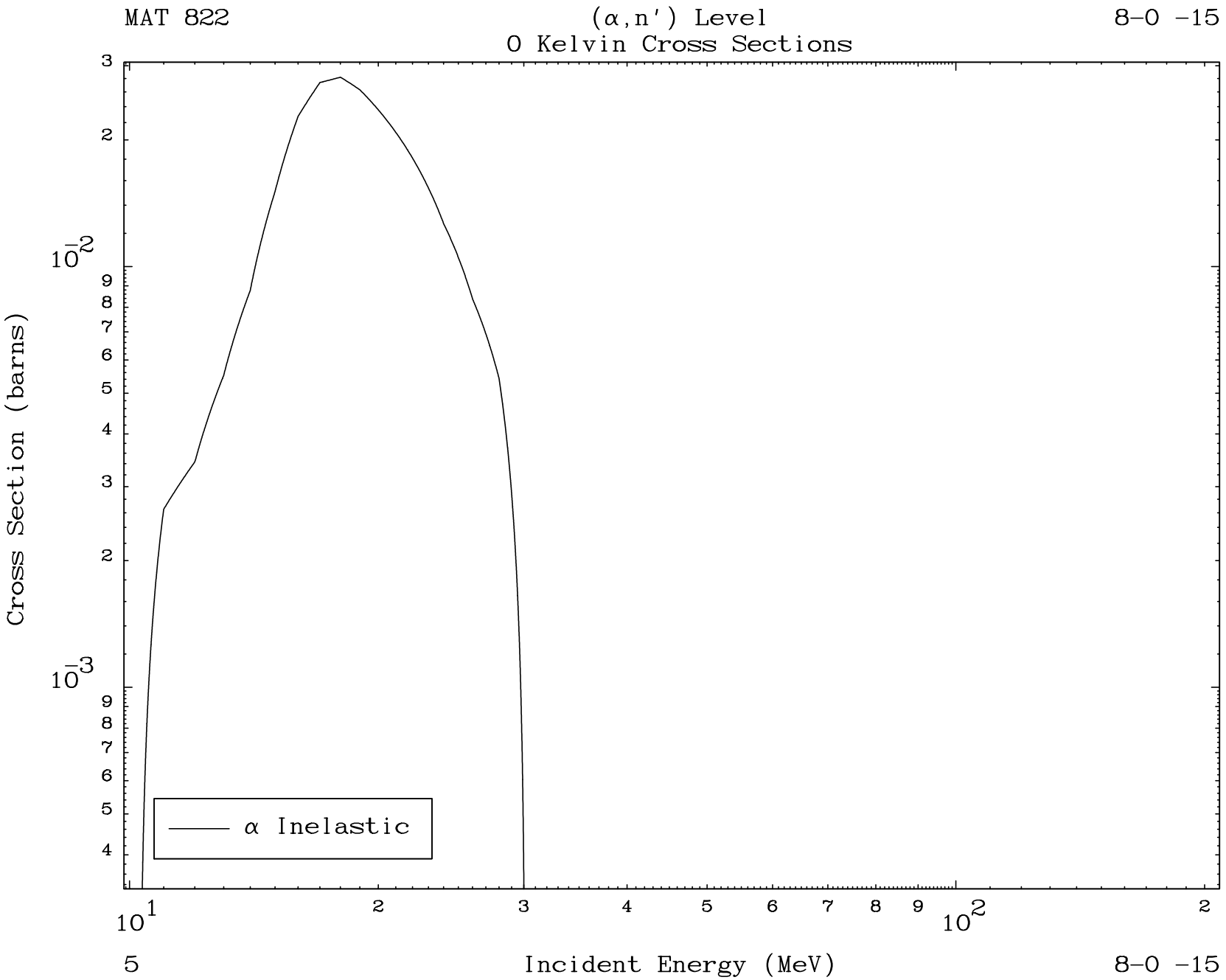
Press Mouse Button to Start

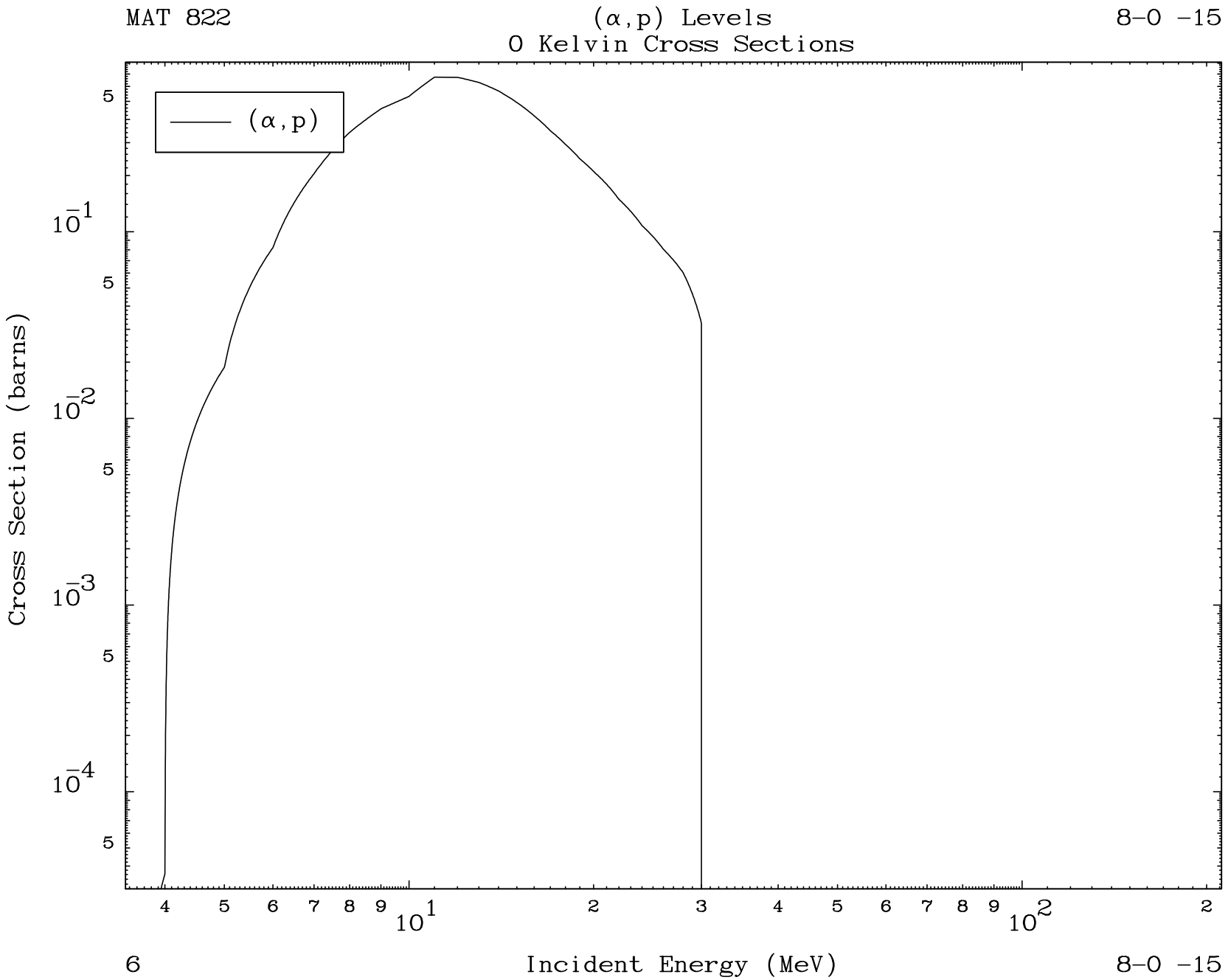

MAT 822
α Major
8-0 -15
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
8-0 -15

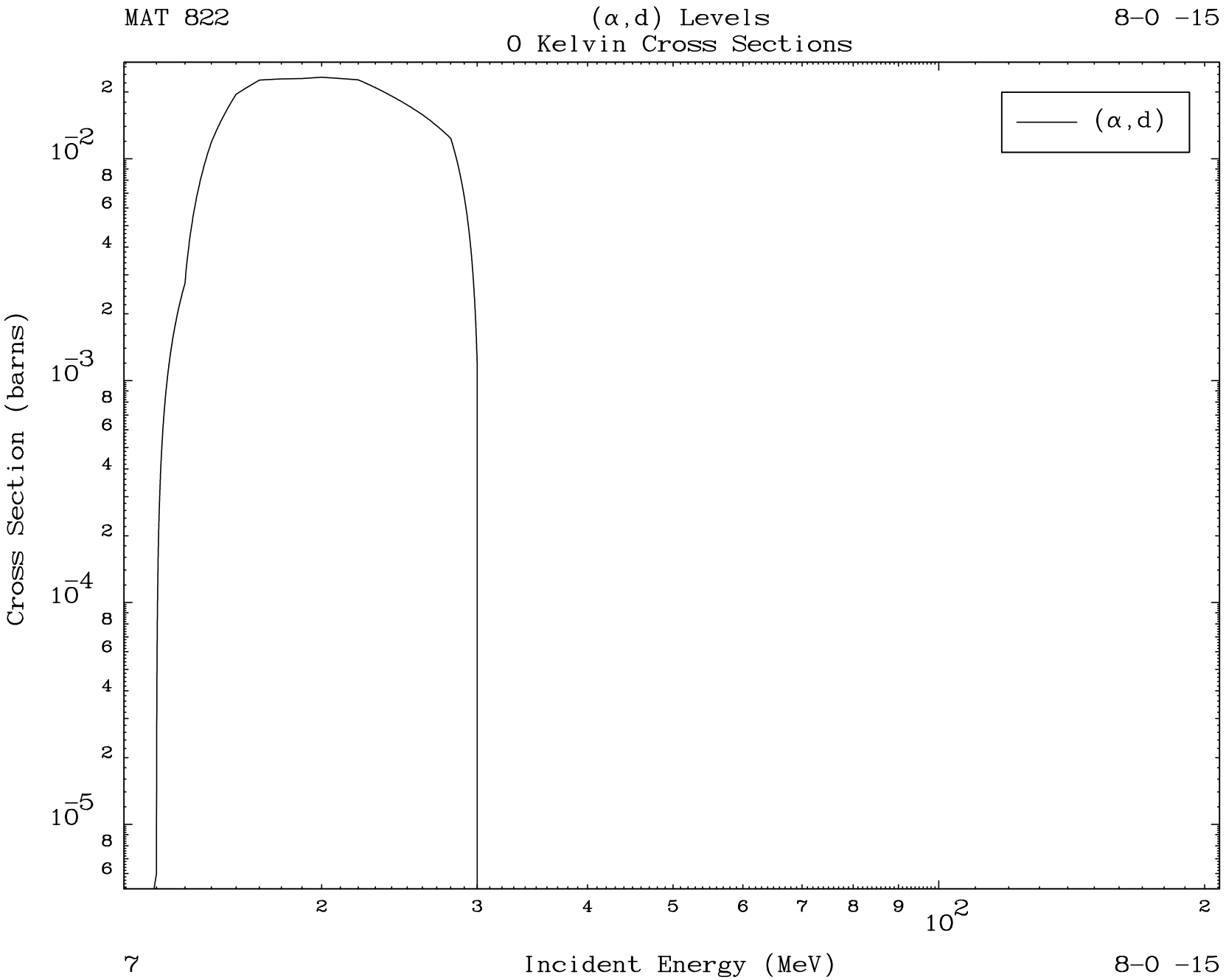

MAT 822
α Neutron Production
0 Kelvin Cross Sections
8-0 -15
(α,n') α
(α,n') p
(α,n') He-3
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
8-0 -15

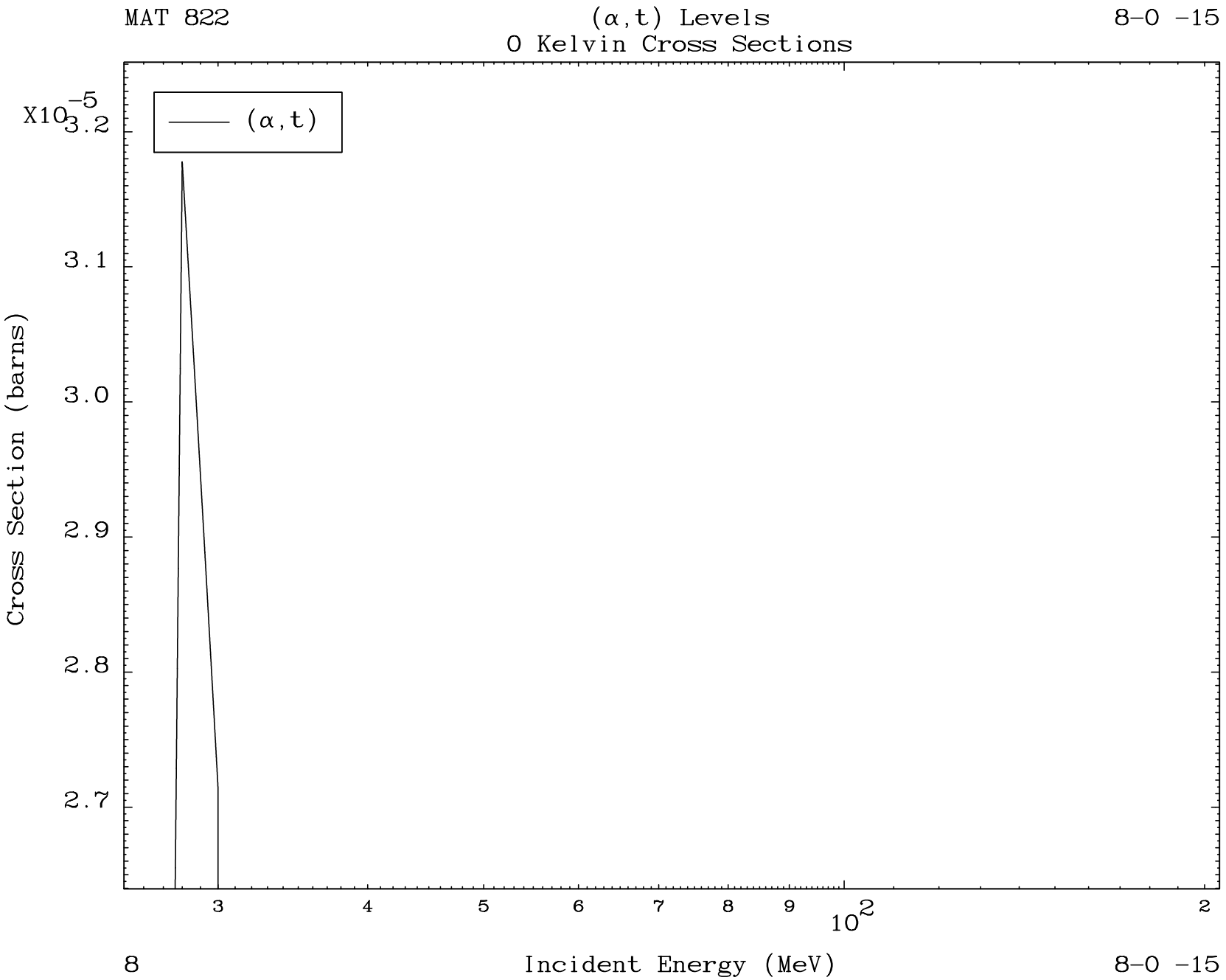

MAT 822
α Charged Particle
0 Kelvin Cross Sections
8-0 -15
(α,n') α
(α,n') p
(α,n') He-3
(α,p)
(α,d)
(α,t)
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
8-0 -15

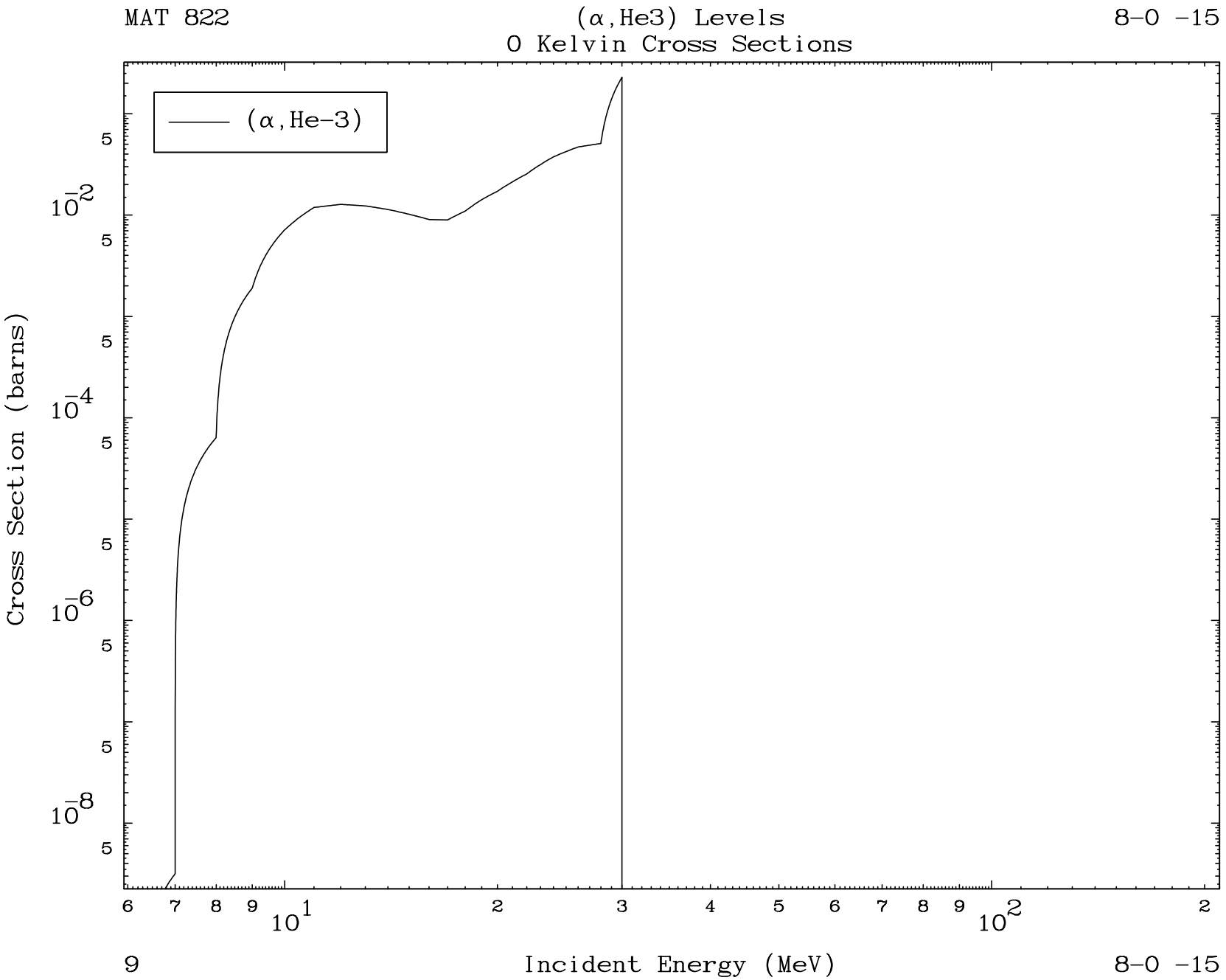

MAT 822
α Charged Particle
0 Kelvin Cross Sections
8-0 -15
Cross Section (barns)
Incident Energy (MeV)
(α,α)
(α,2α)
(α,3α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
4
8-0 -15

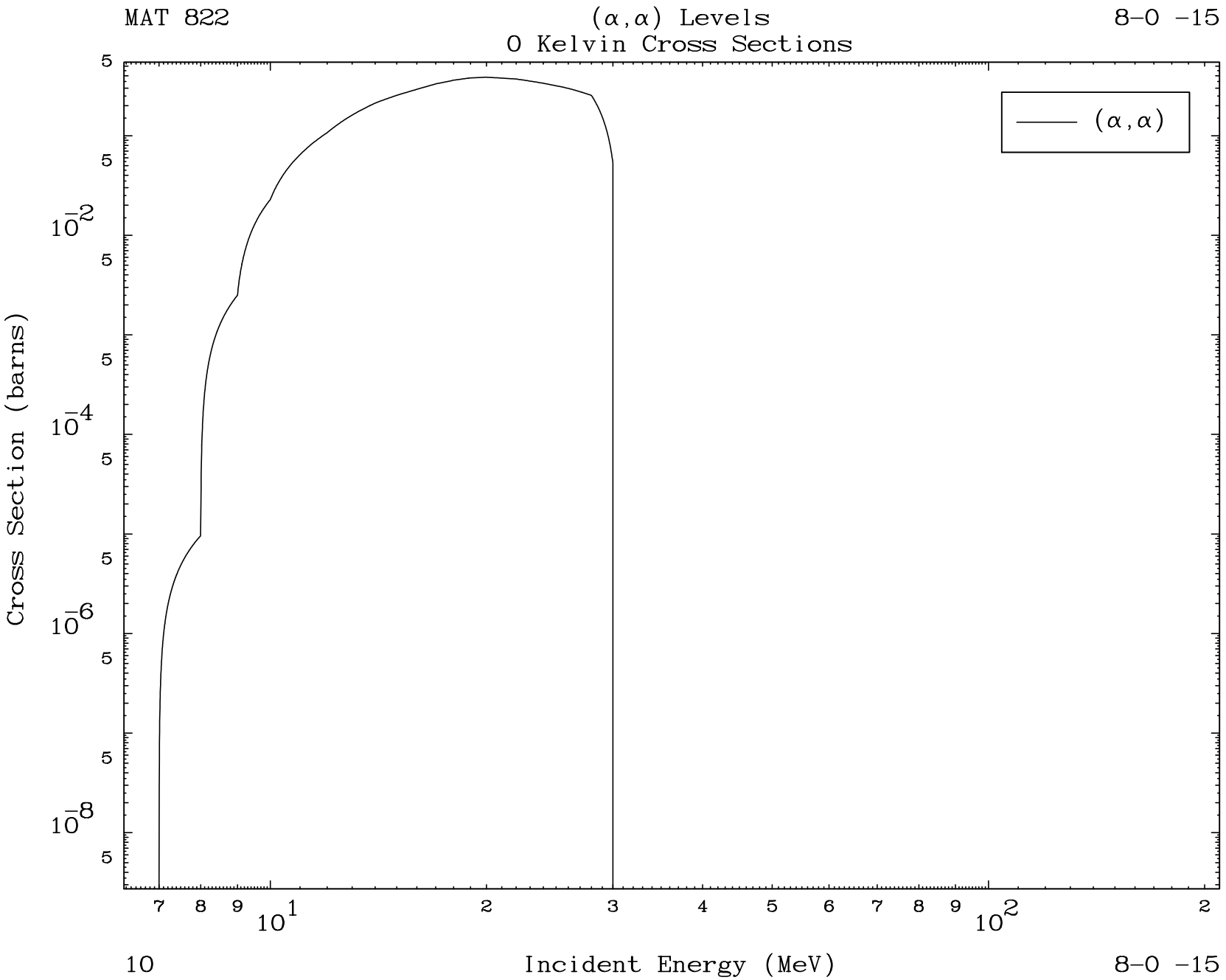

MAT 822
(α,n') Level
8-0 -15
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-3
α Inelastic
10^1
10^2
Incident Energy (MeV)
8-0 -15


MAT 822
(α,p) Levels
8-0 -15
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-1
10-2
10-3
10-4
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
8-0 -15


MAT 822
(α,d) Levels
8-0 -15
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
7
8-0 -15


MAT 822
(α,t) Levels
8-0 -15
0 Kelvin Cross Sections
(α,t)
X10-5
3.2
3.1
3.0
2.9
2.8
2.7
Cross Section (barns)
3
4
5
6
7
8
9
10^2
2
8
Incident Energy (MeV)
8-0 -15


MAT 822
(α,He3) Levels
8-0 -15
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 -15


MAT 822
(α,α) Levels
8-0 -15
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
10
8-0 -15