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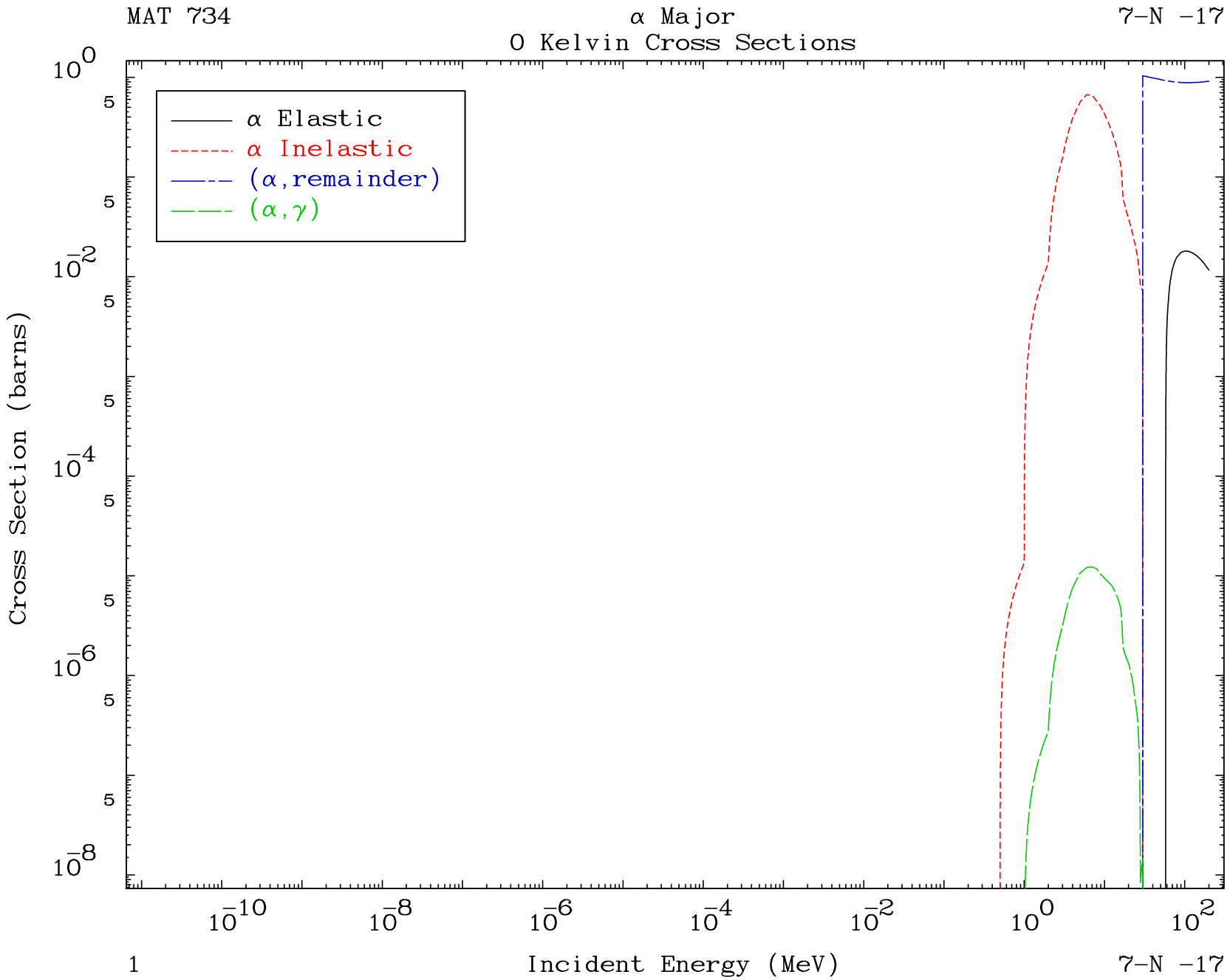
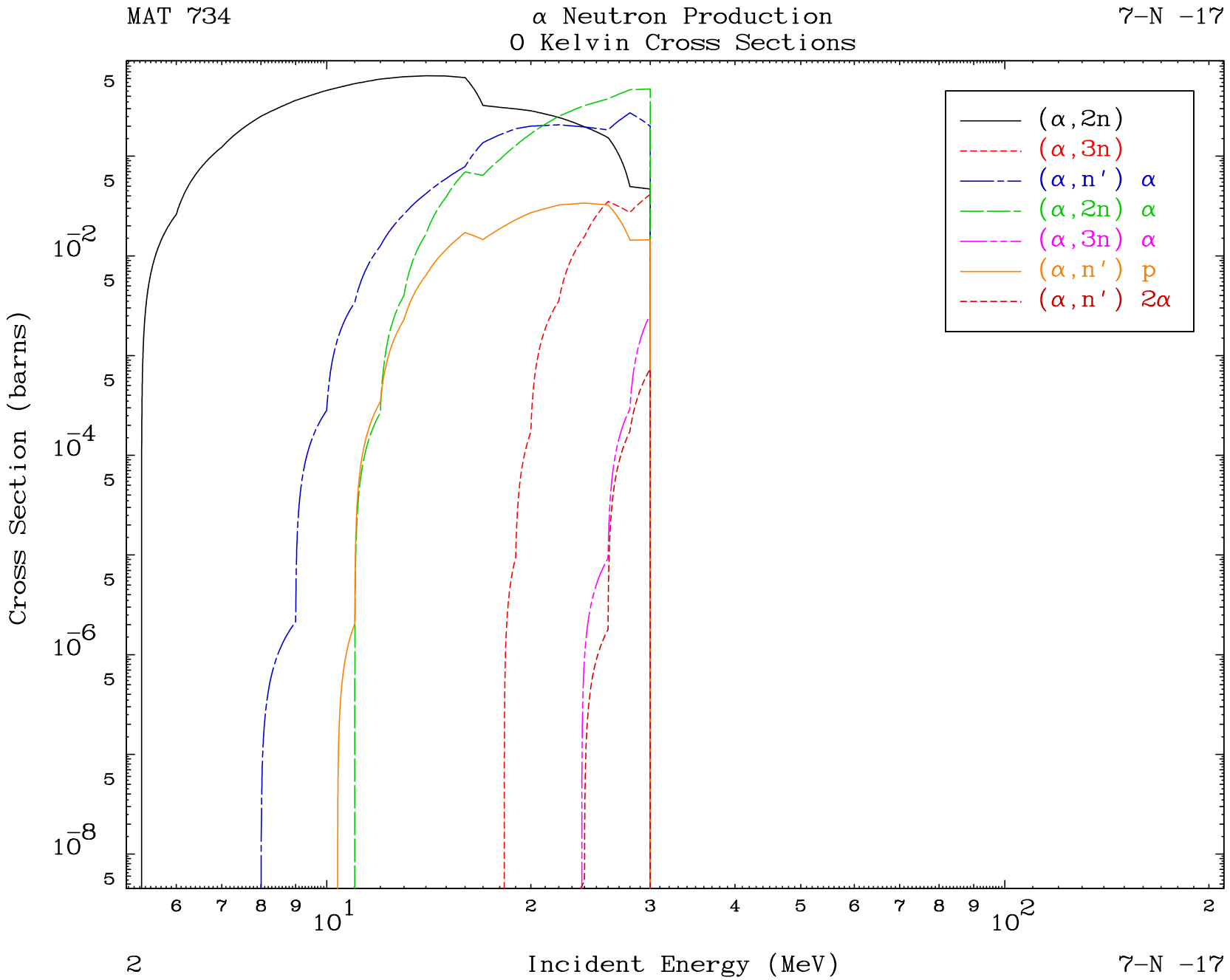
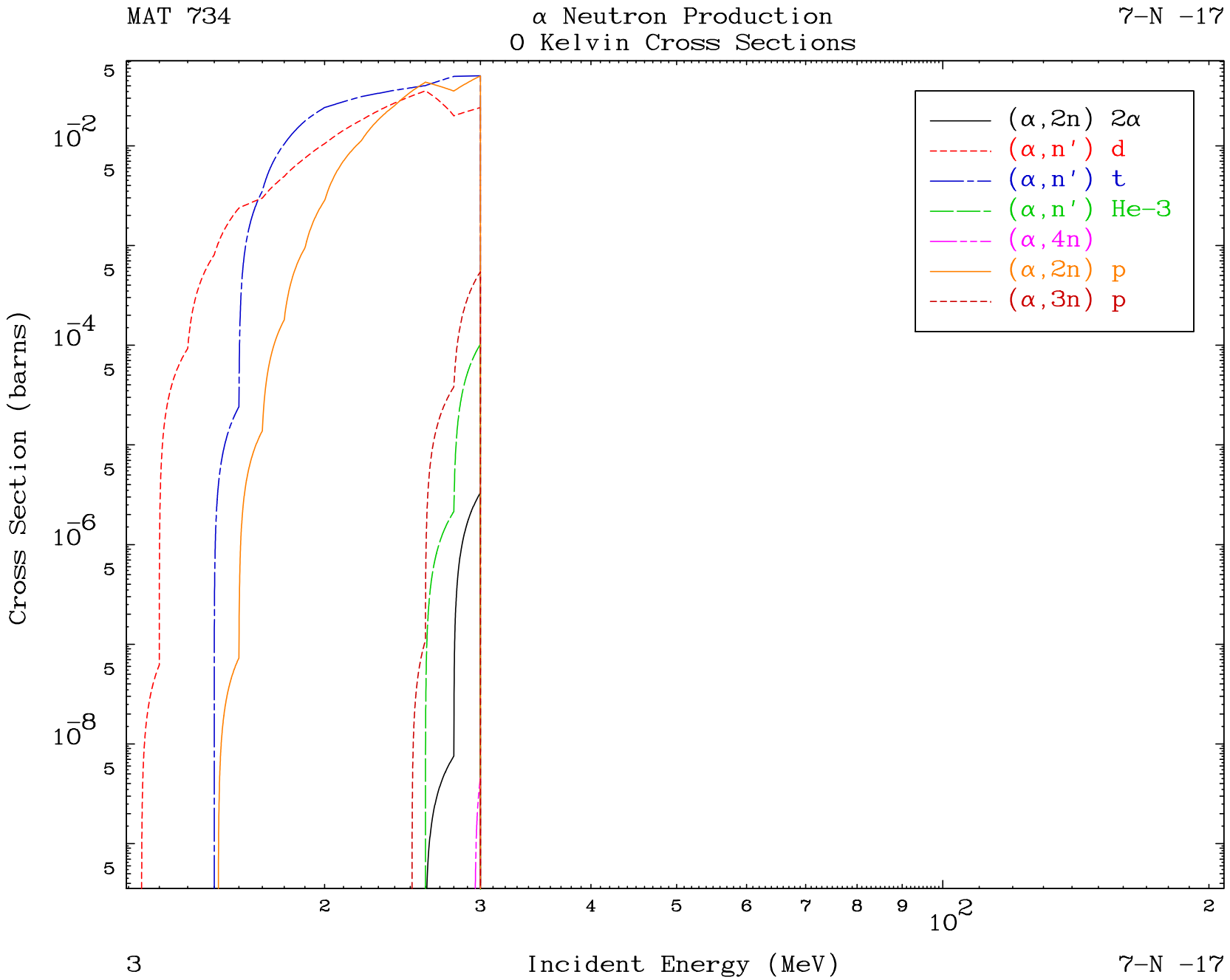
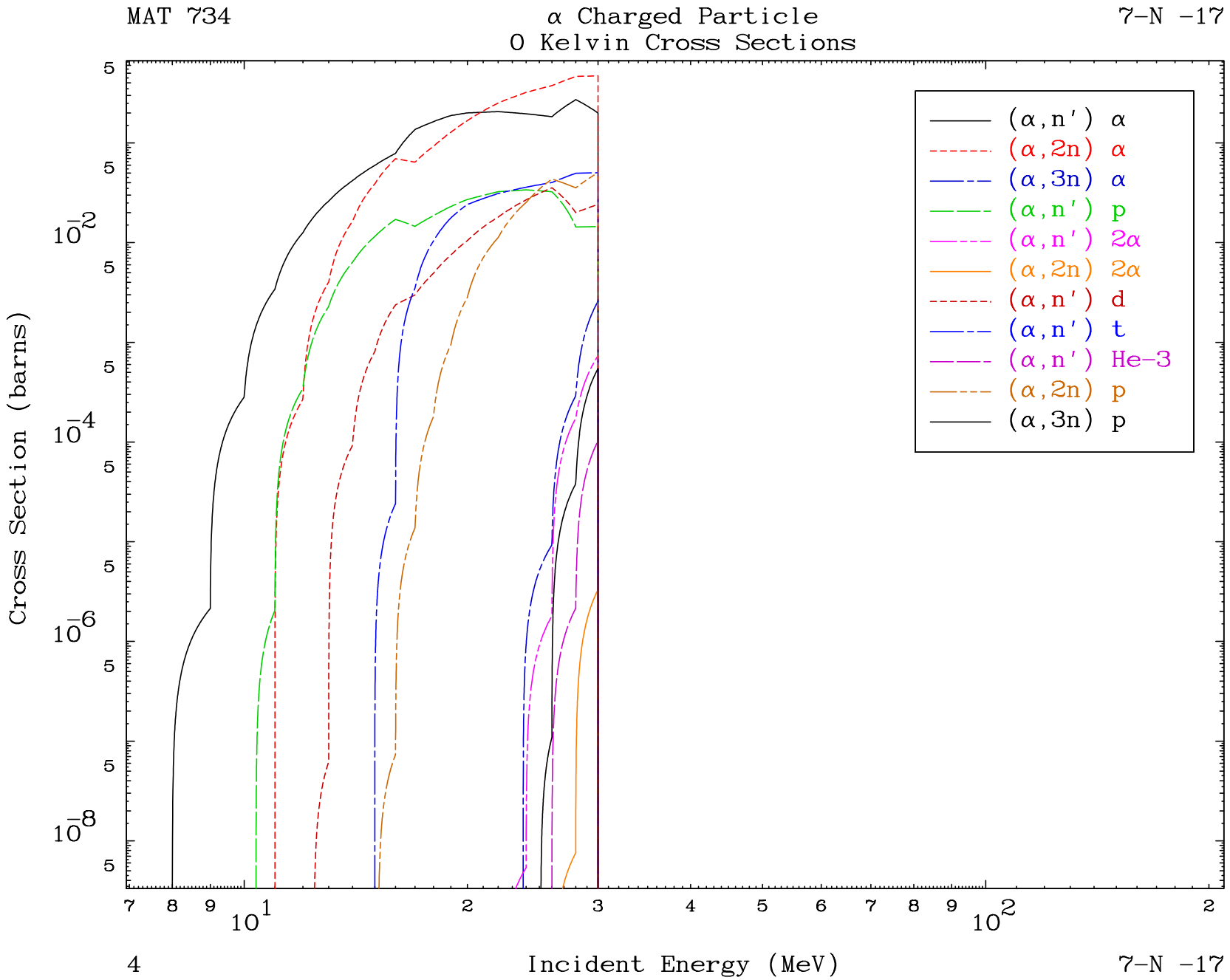
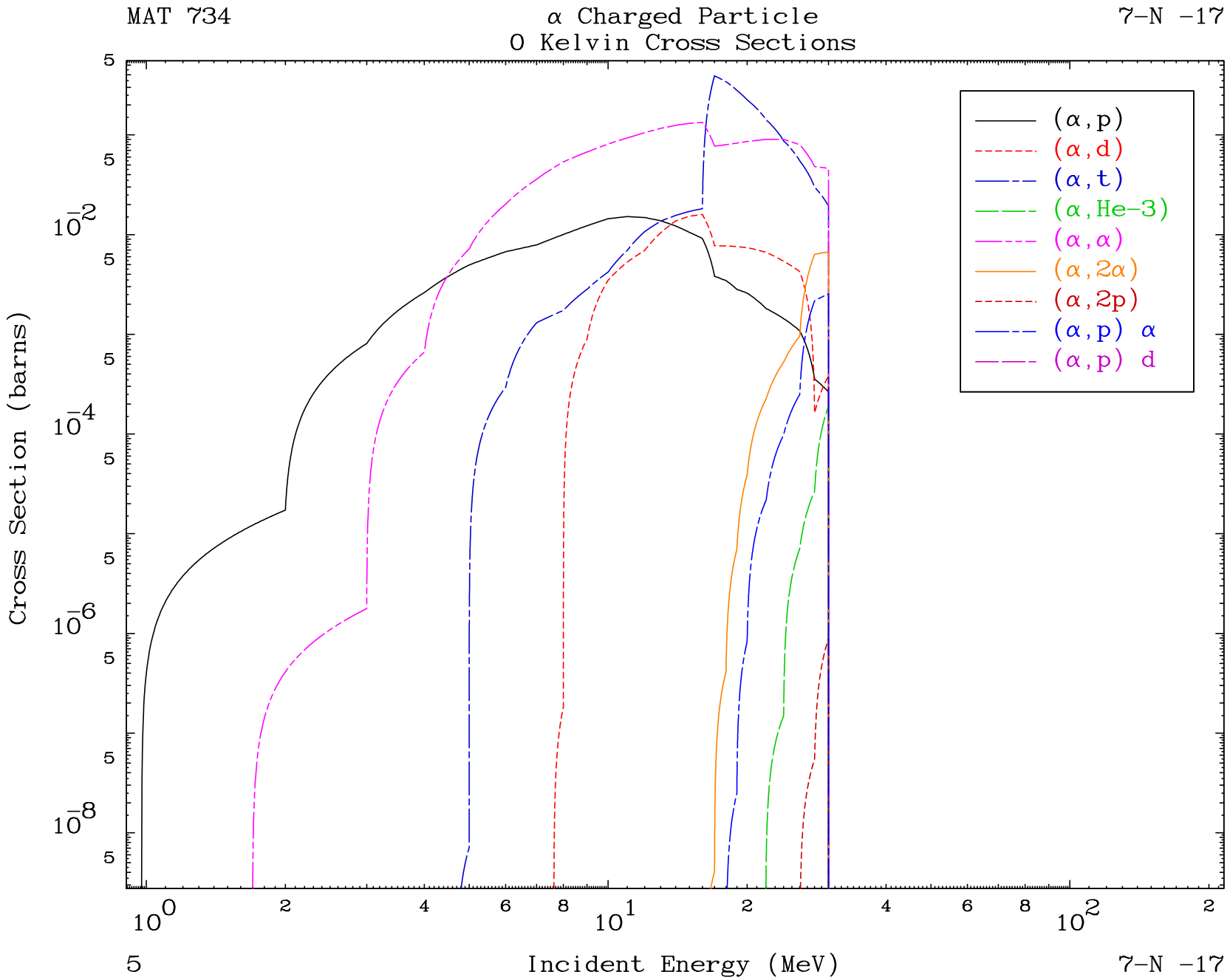
Press Mouse Button to Start

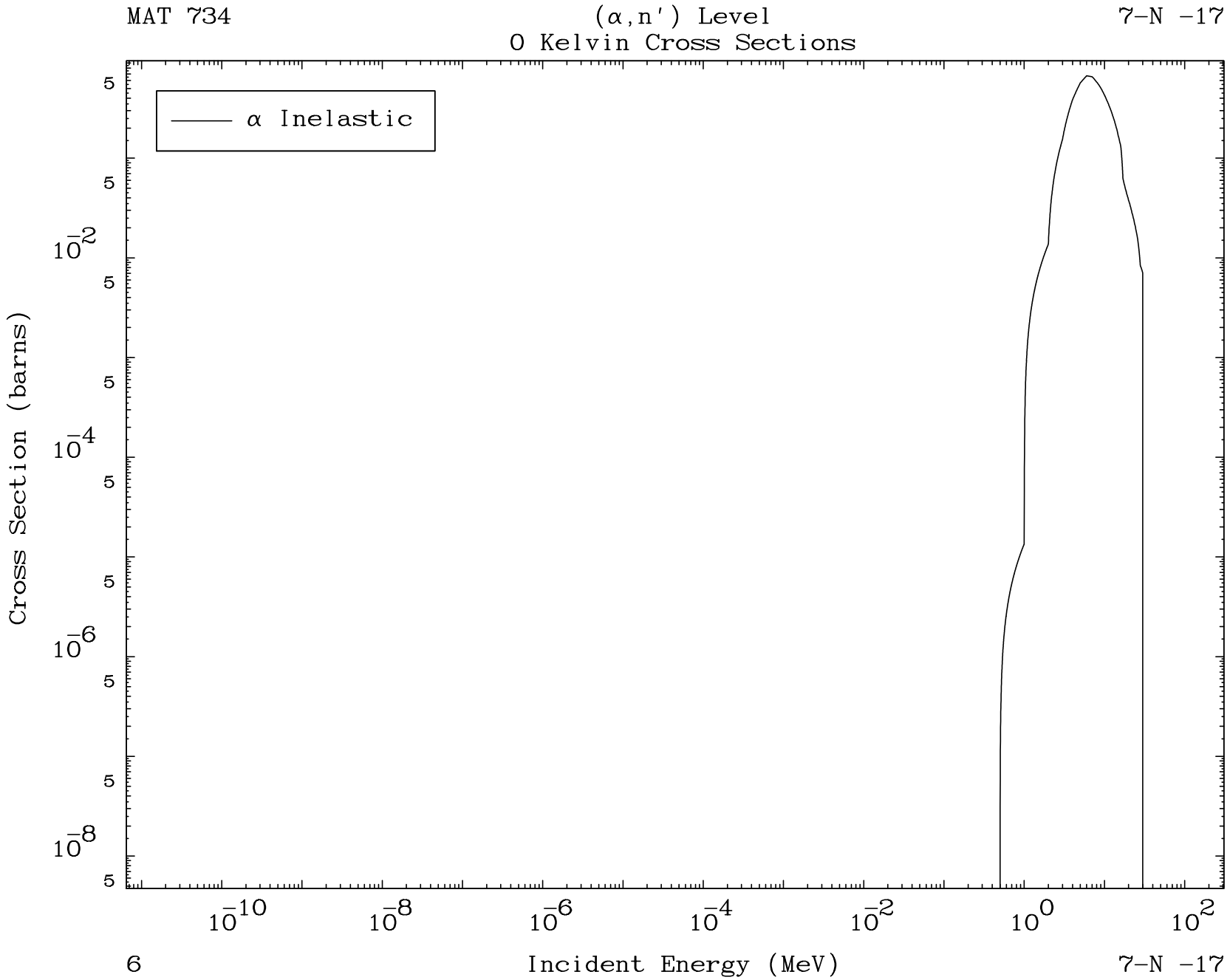

MAT 734
α Major
7-N -17
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
7-N -17

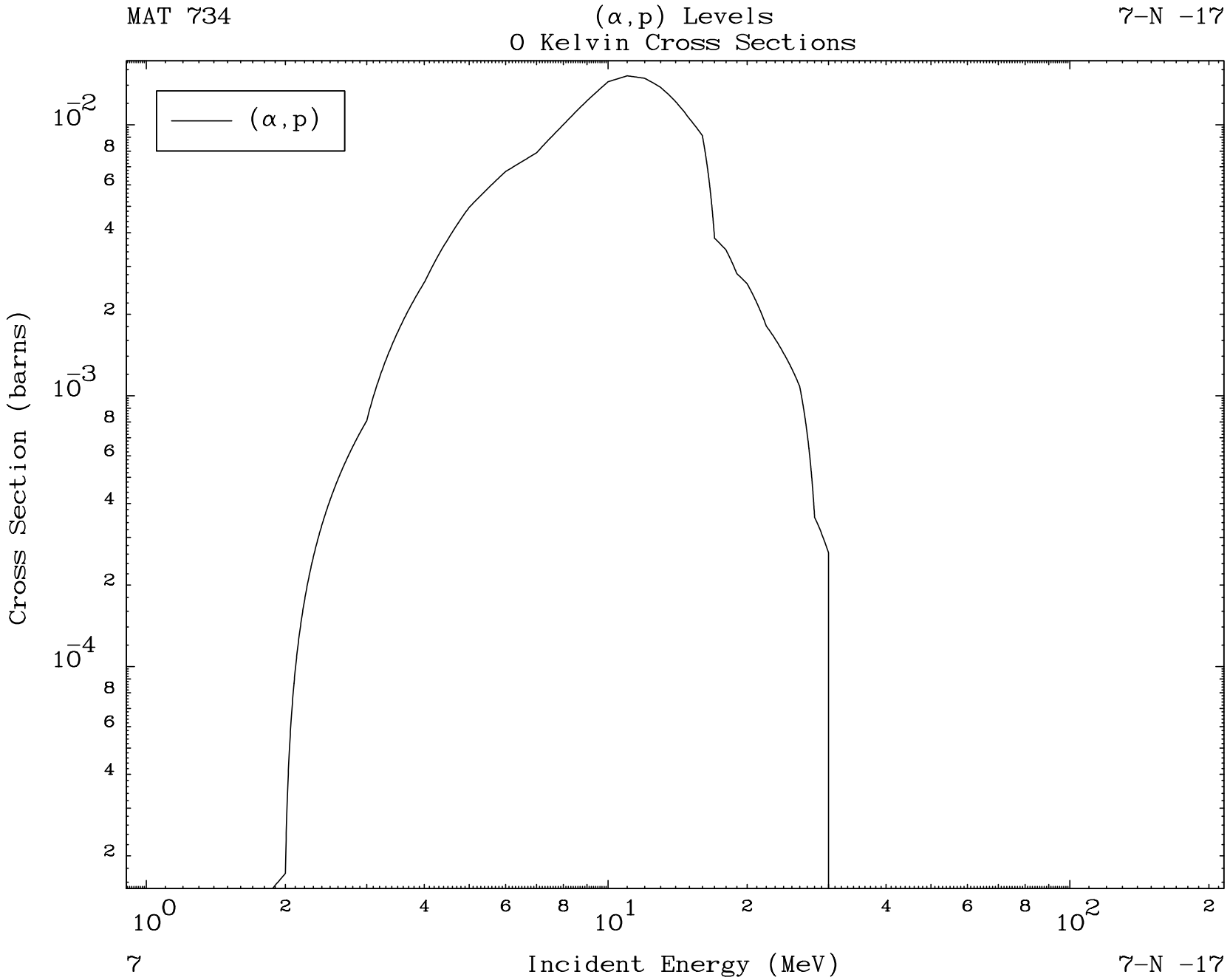

MAT 734
α Neutron Production
0 Kelvin Cross Sections
7-N -17
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') 2α
7-N -17

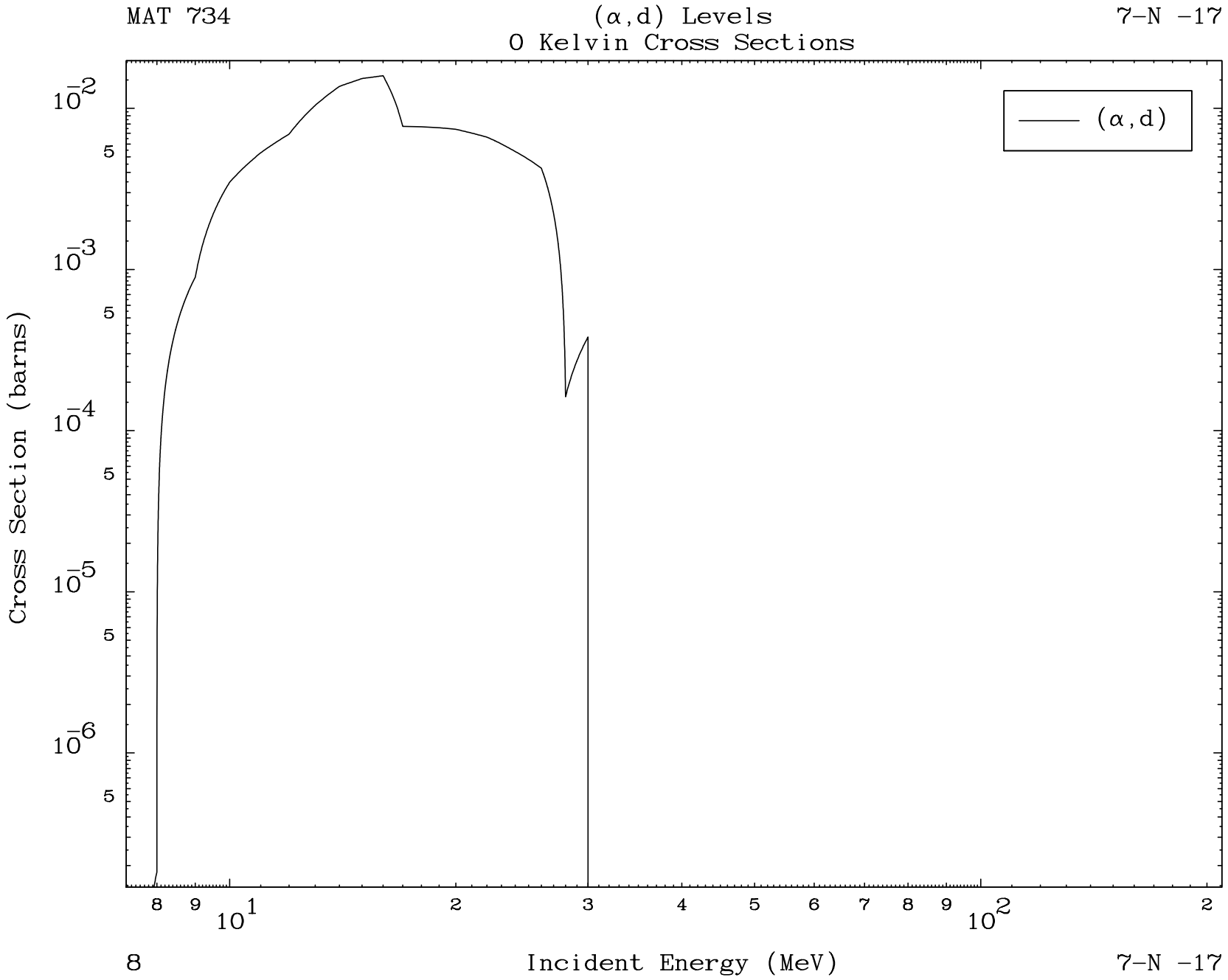

MAT 734
α Neutron Production
0 Kelvin Cross Sections
7-N -17
(α,2n) 2α
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
7-N -17


MAT 734
α Charged Particle
0 Kelvin Cross Sections
7-N -17
Cross Section (barns)
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') 2α
(α,2n) 2α
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,3n) p

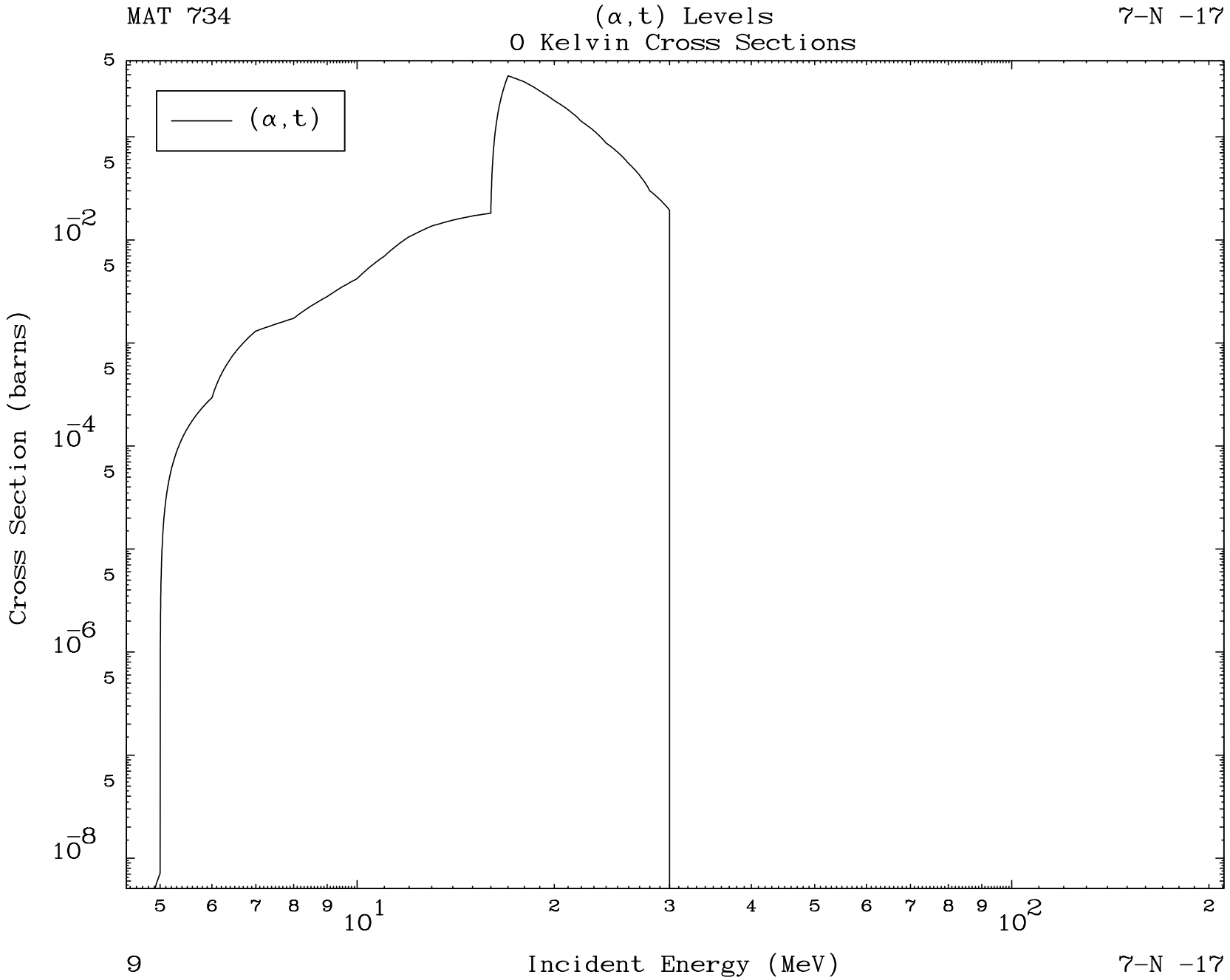

MAT 734
α Charged Particle
0 Kelvin Cross Sections
7-N -17
Cross Section (barns)
Incident Energy (MeV)
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d

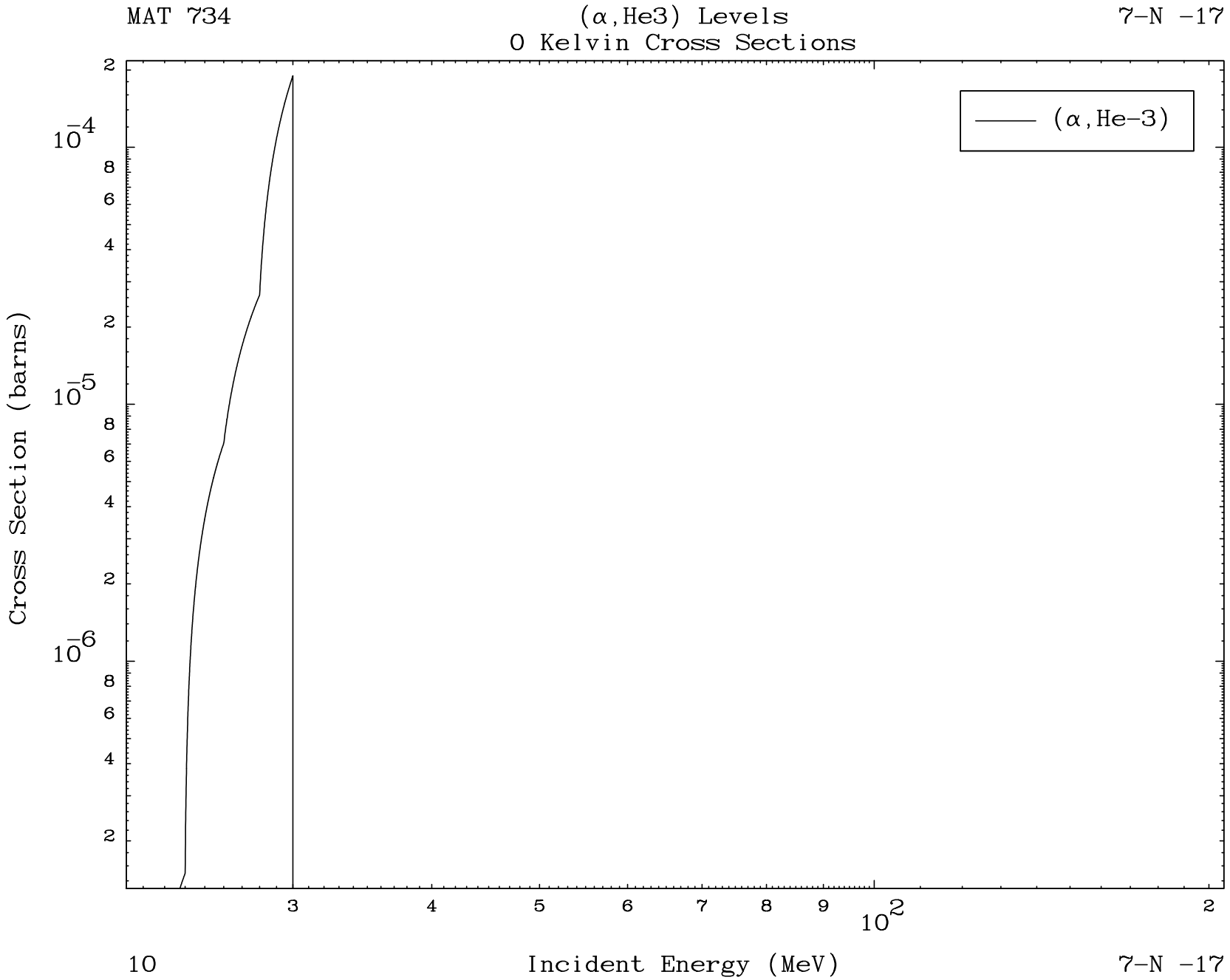

MAT 734
(α,n') Level
7-N -17
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
7-N -17

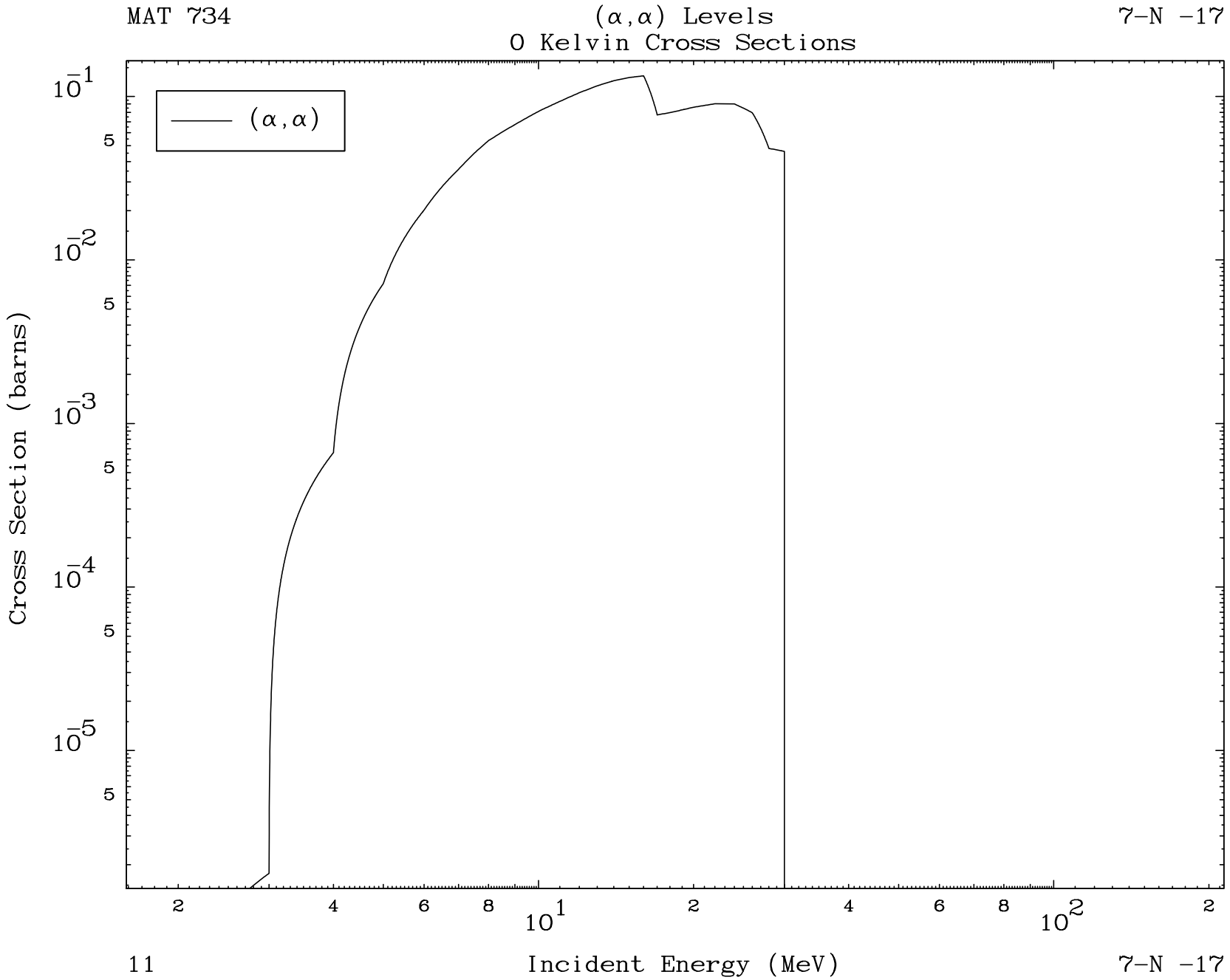

MAT 734
(α,p) Levels
7-N -17
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-3
10-4
100
101
102
Incident Energy (MeV)
7
7-N -17


(α,d) Levels
0 Kelvin Cross Sections
7-N -17
(α,d)
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

7-N -17


MAT 734
(α,t) Levels
7-N -17
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
Incident Energy (MeV)
9
7-N -17


MAT 734
(α,He3) Levels
7-N -17
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
7-N -17


MAT 734
(α,α) Levels
7-N -17
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
5
2
4
6
8
10 1
10 2
11
Incident Energy (MeV)
7-N -17