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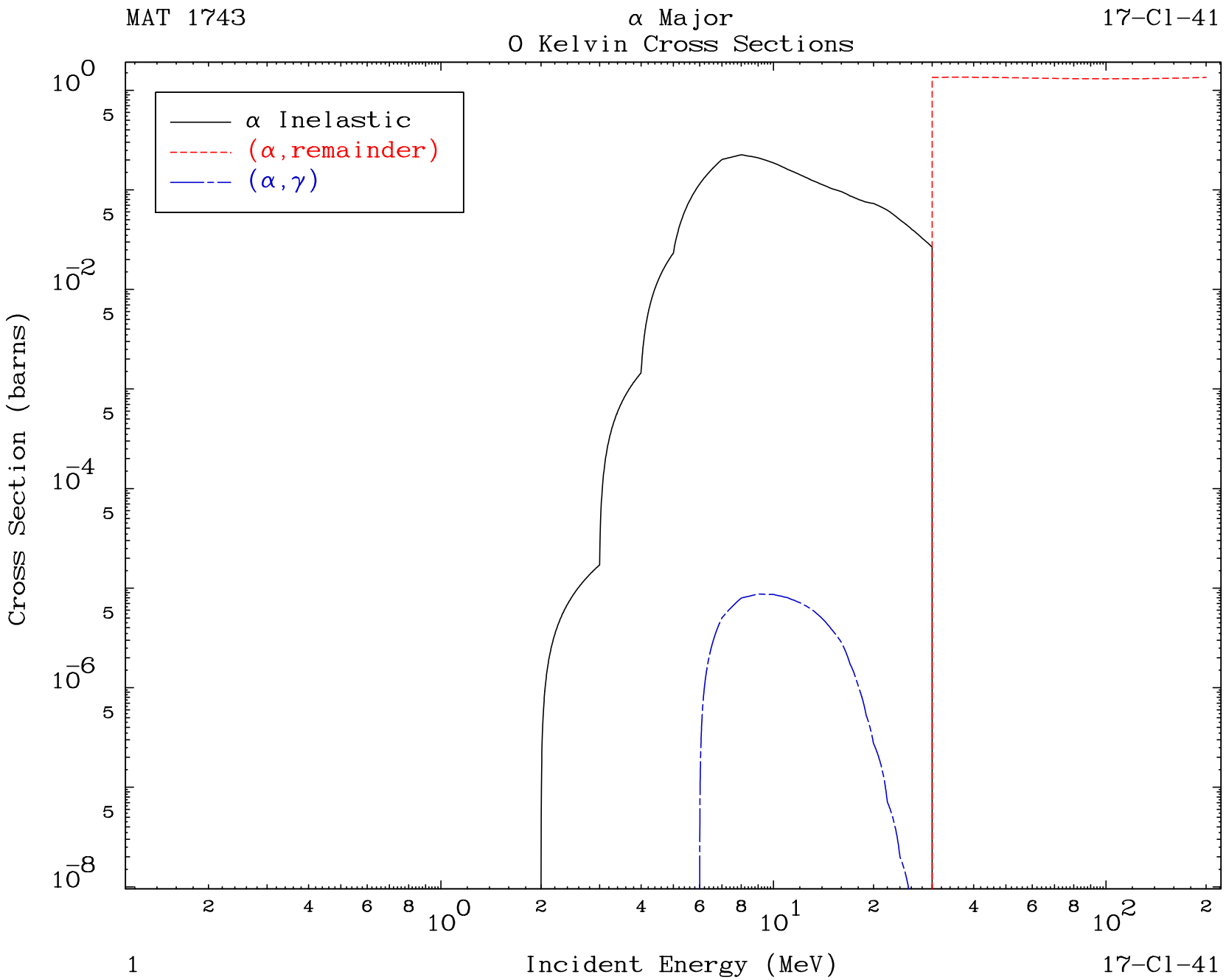
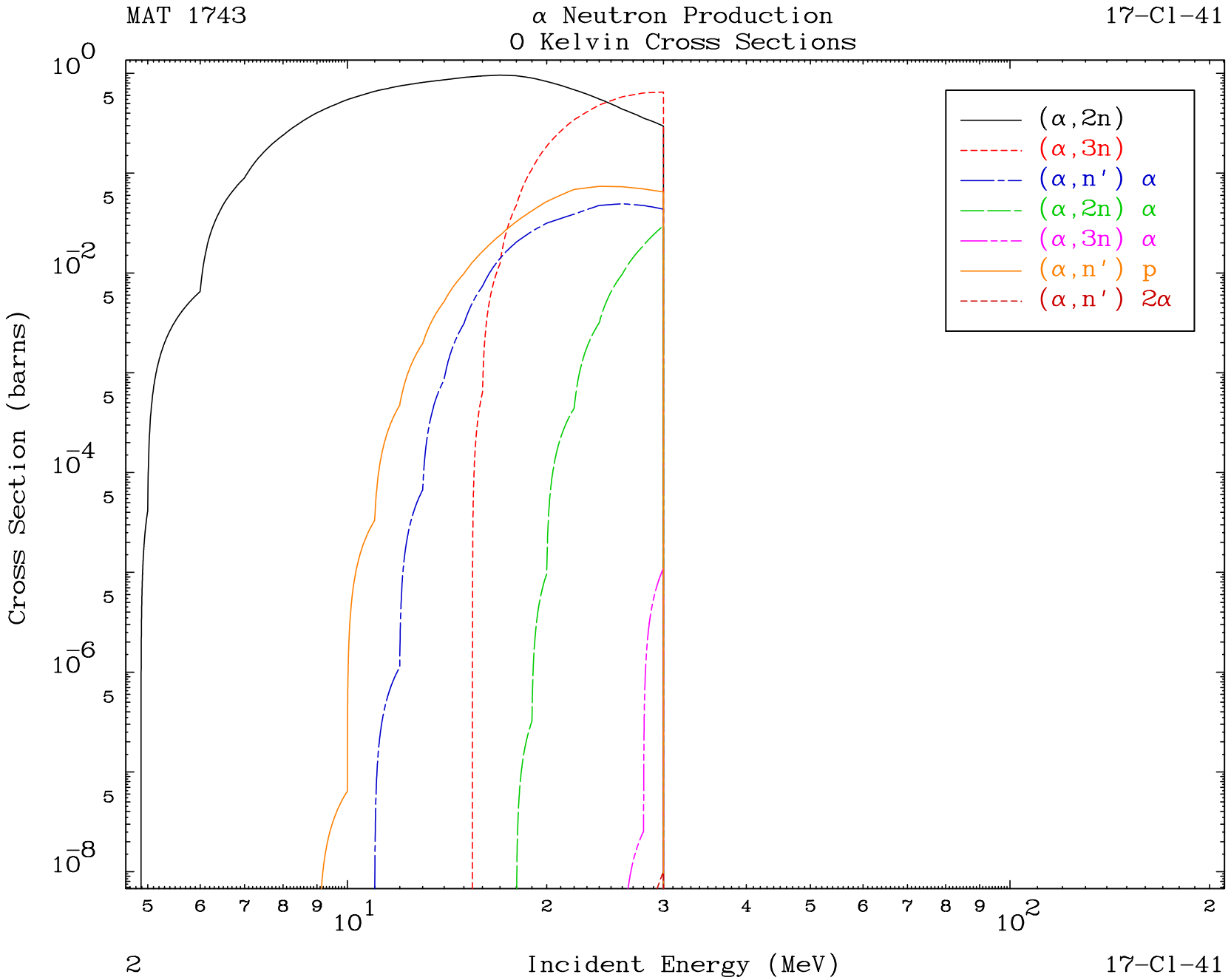
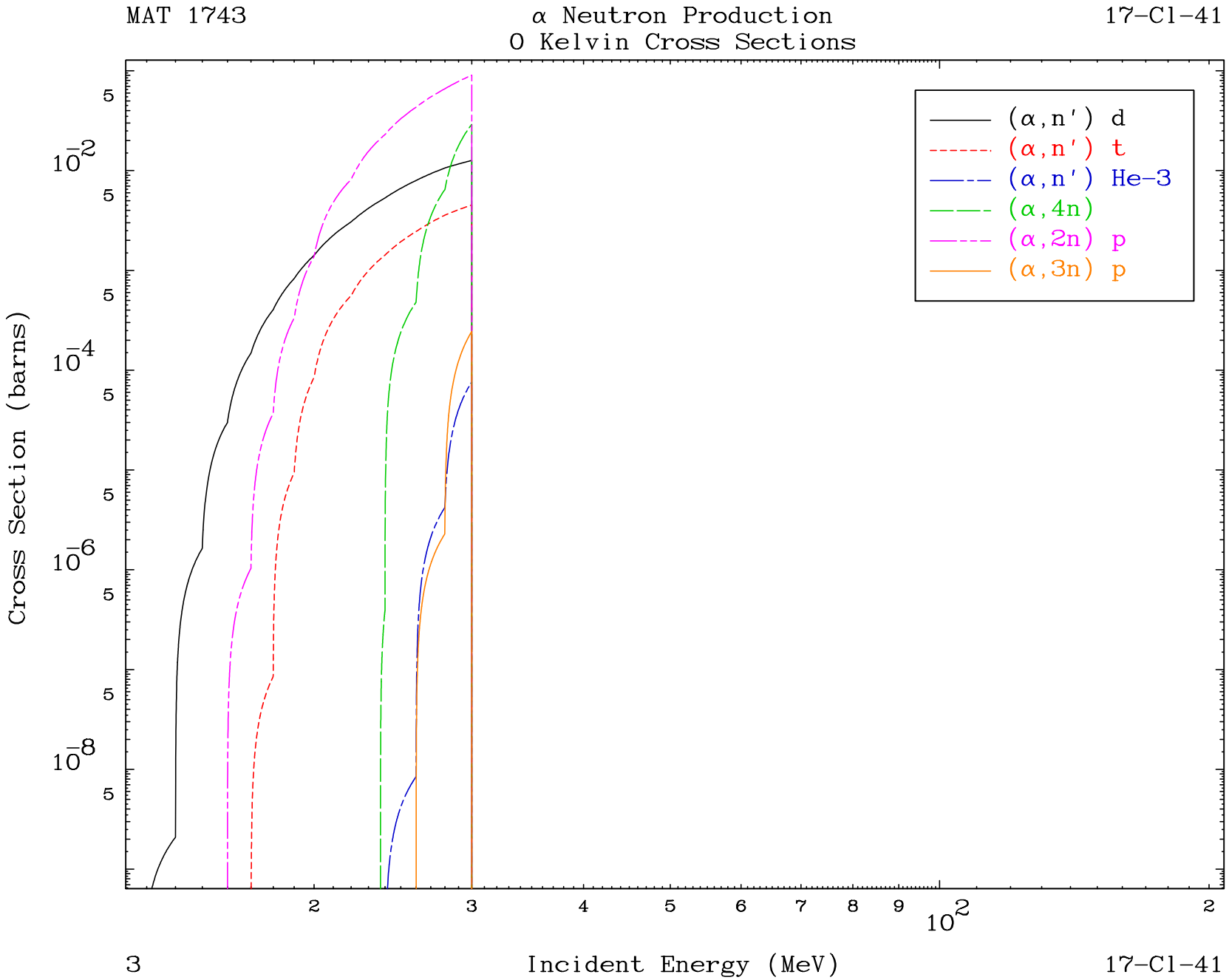
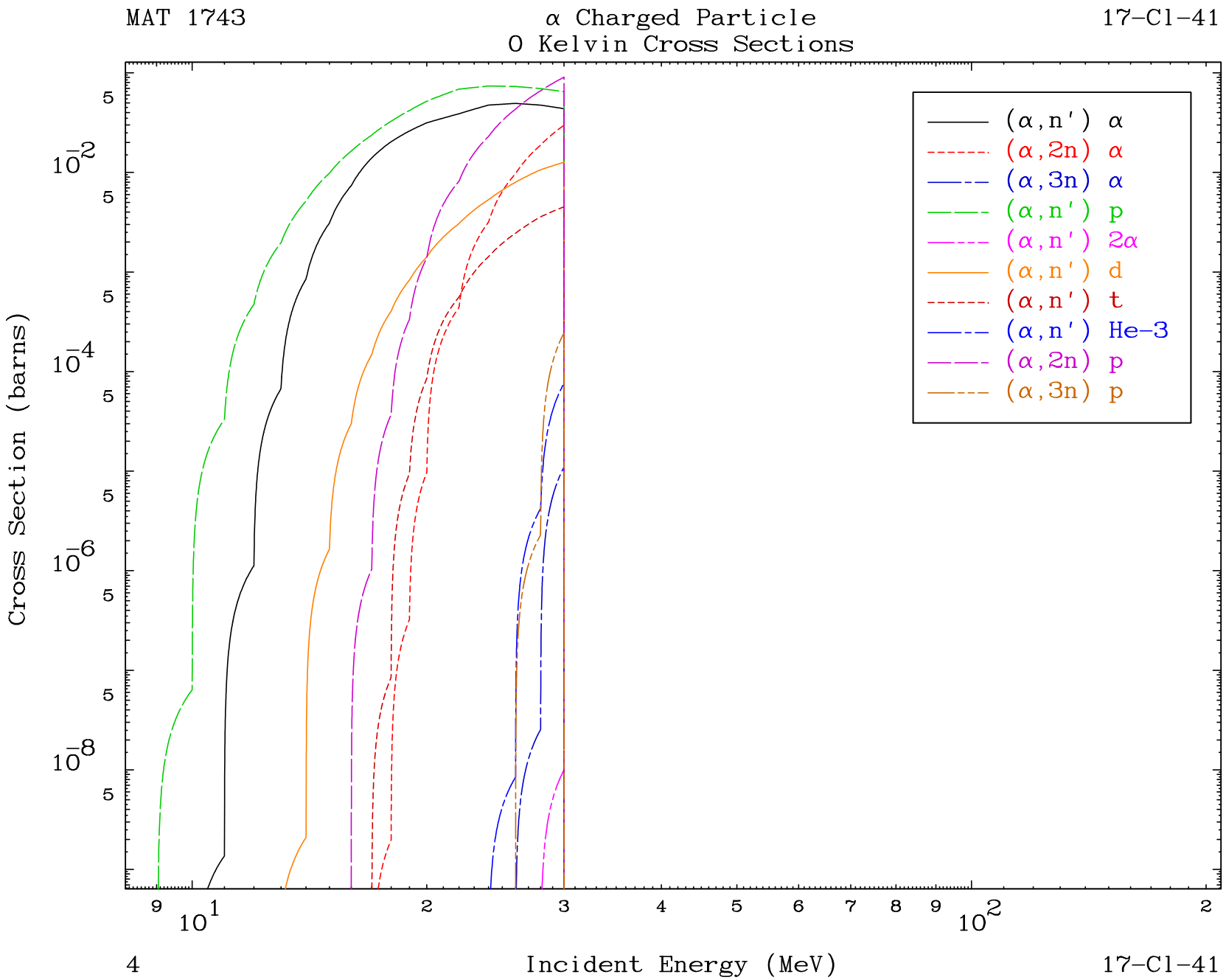
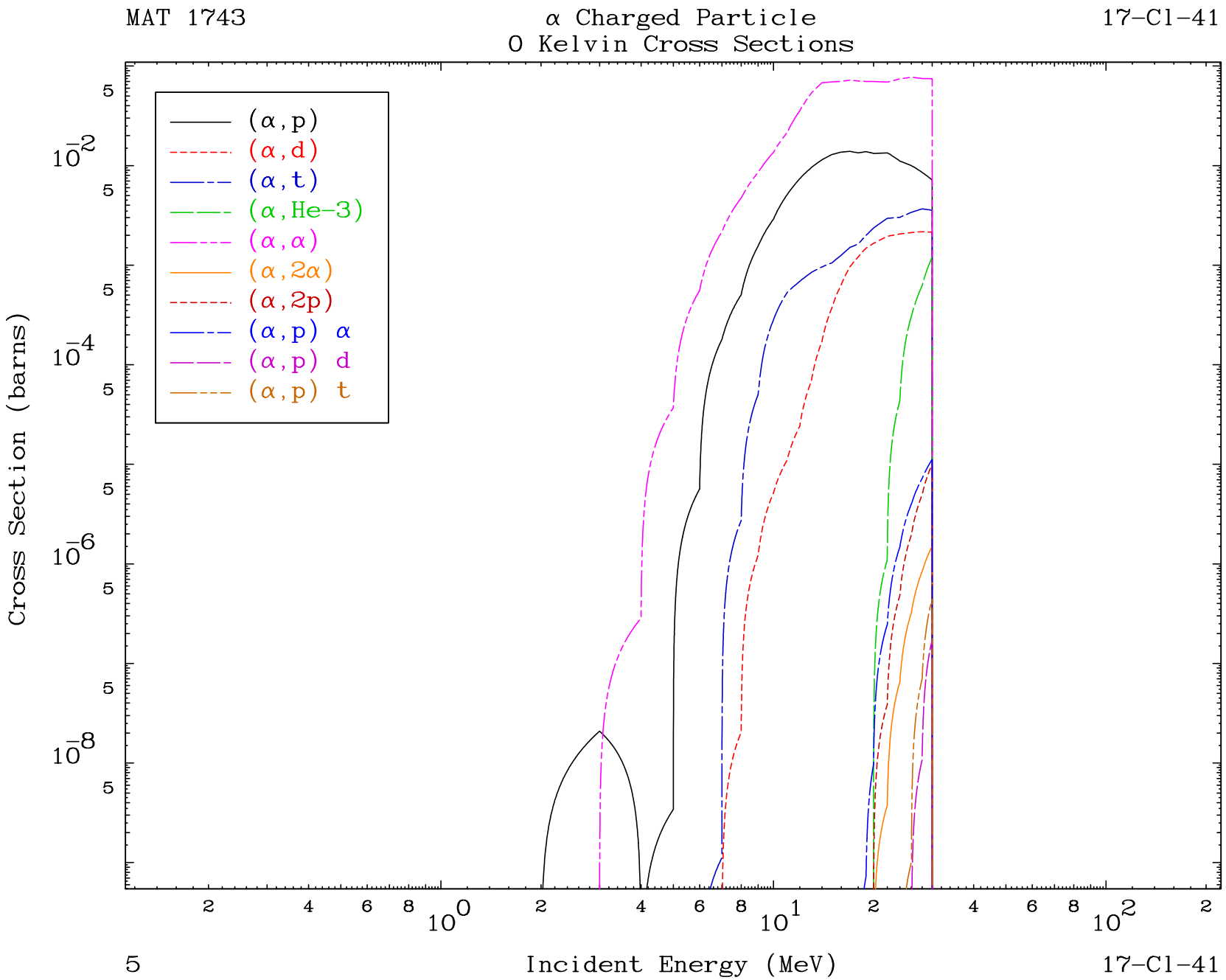
Press Mouse Button to Start


MAT 1743
α Major
17-Cl-41
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
17-Cl-41
1

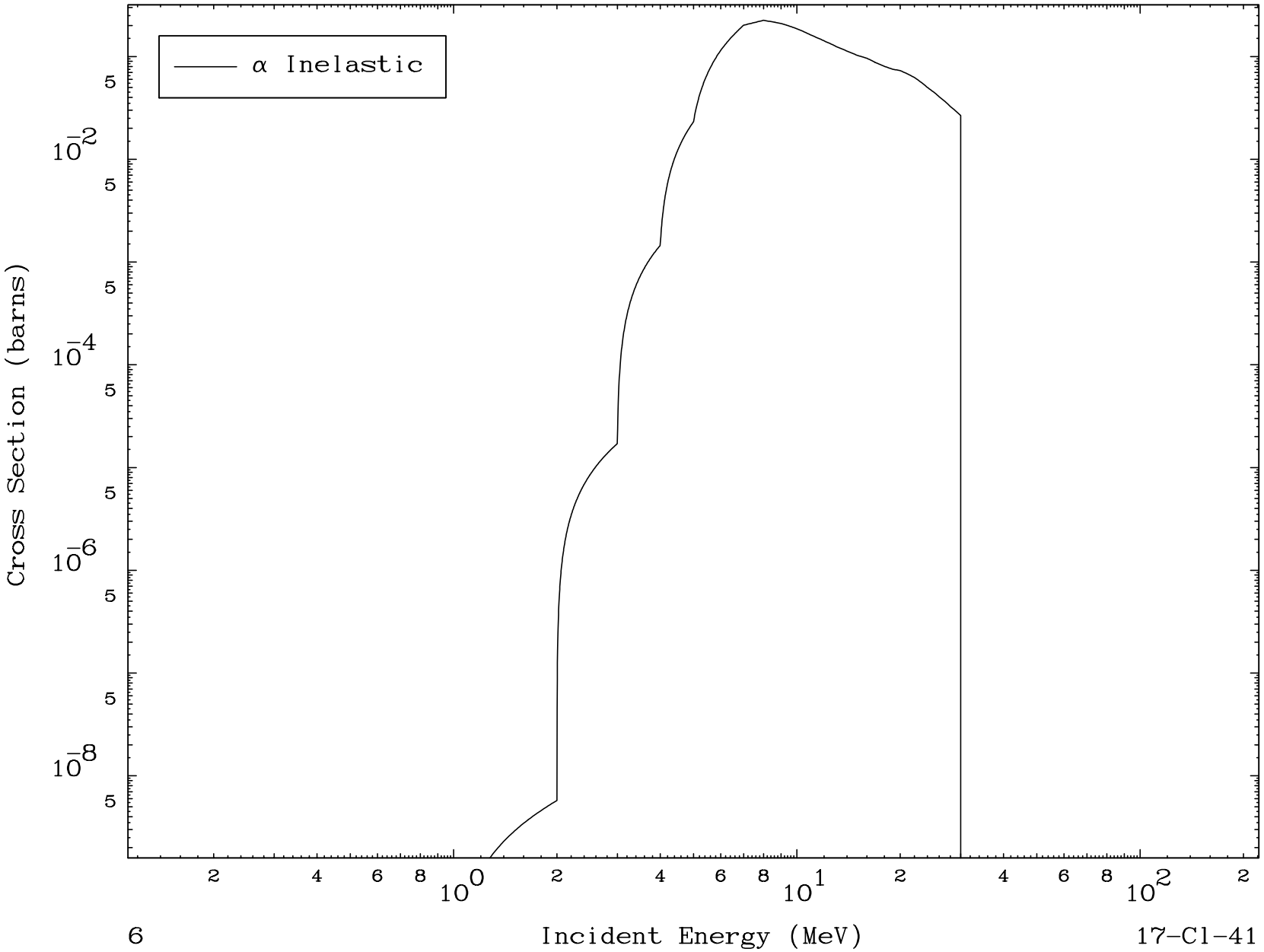

MAT 1743
α Neutron Production
0 Kelvin Cross Sections
17-Cl-41
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') 2α
17-Cl-41
2

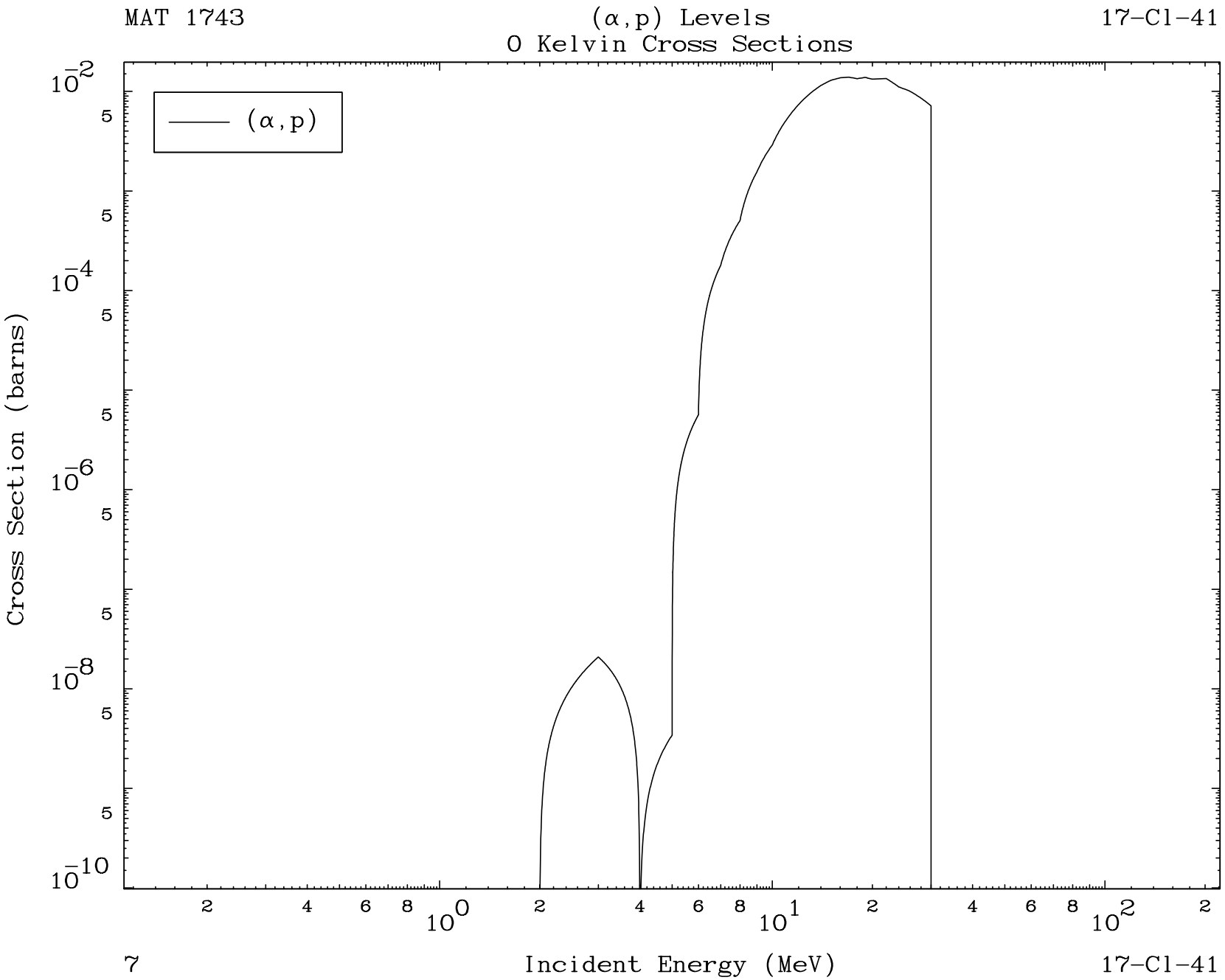

MAT 1743
α Neutron Production
0 Kelvin Cross Sections
17-Cl-41
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
6
7
8
9
10 2
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p
3
Incident Energy (MeV)
17-Cl-41

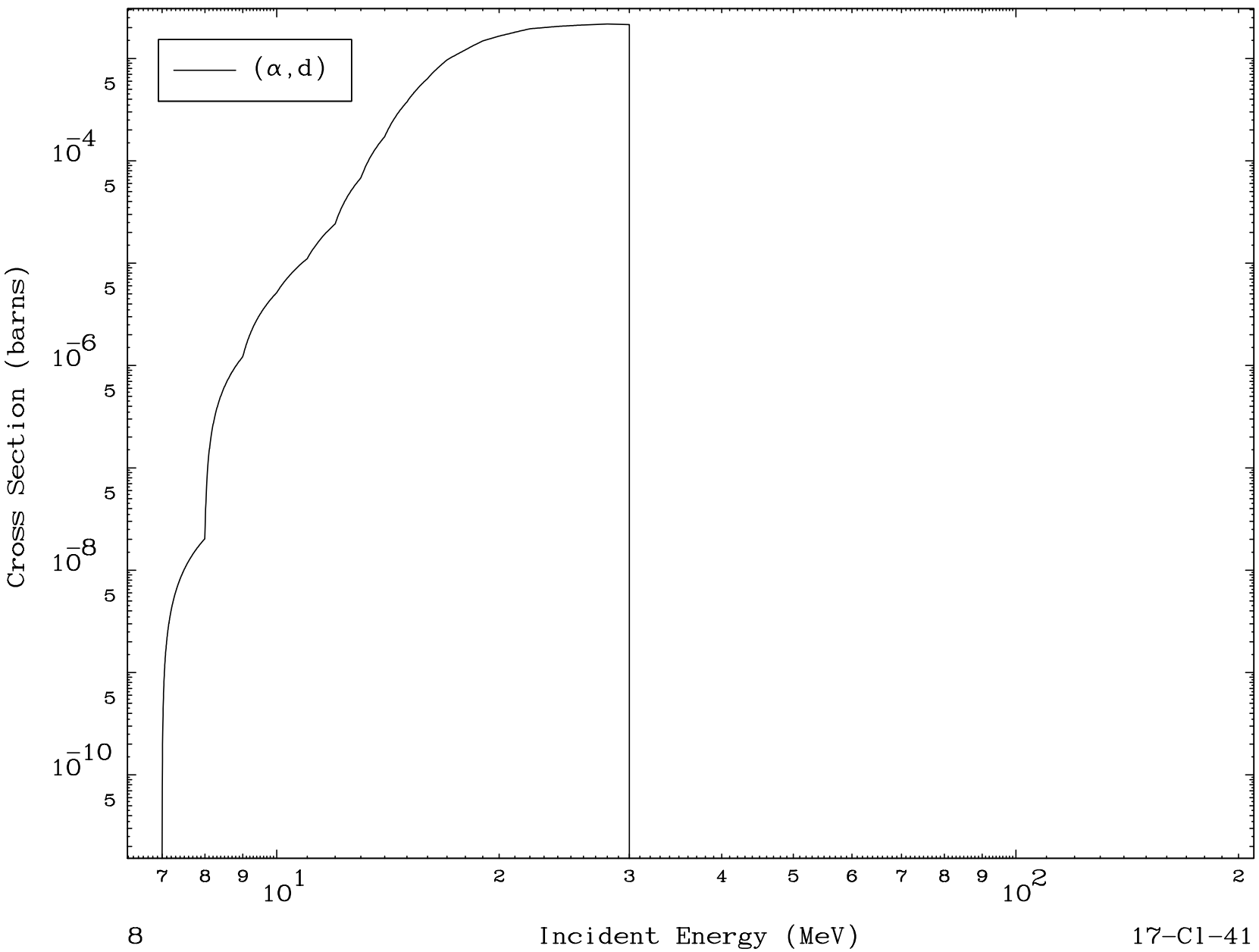

MAT 1743
α Charged Particle
0 Kelvin Cross Sections
17-Cl-41
Cross Section (barns)
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,3n) p
4
17-Cl-41

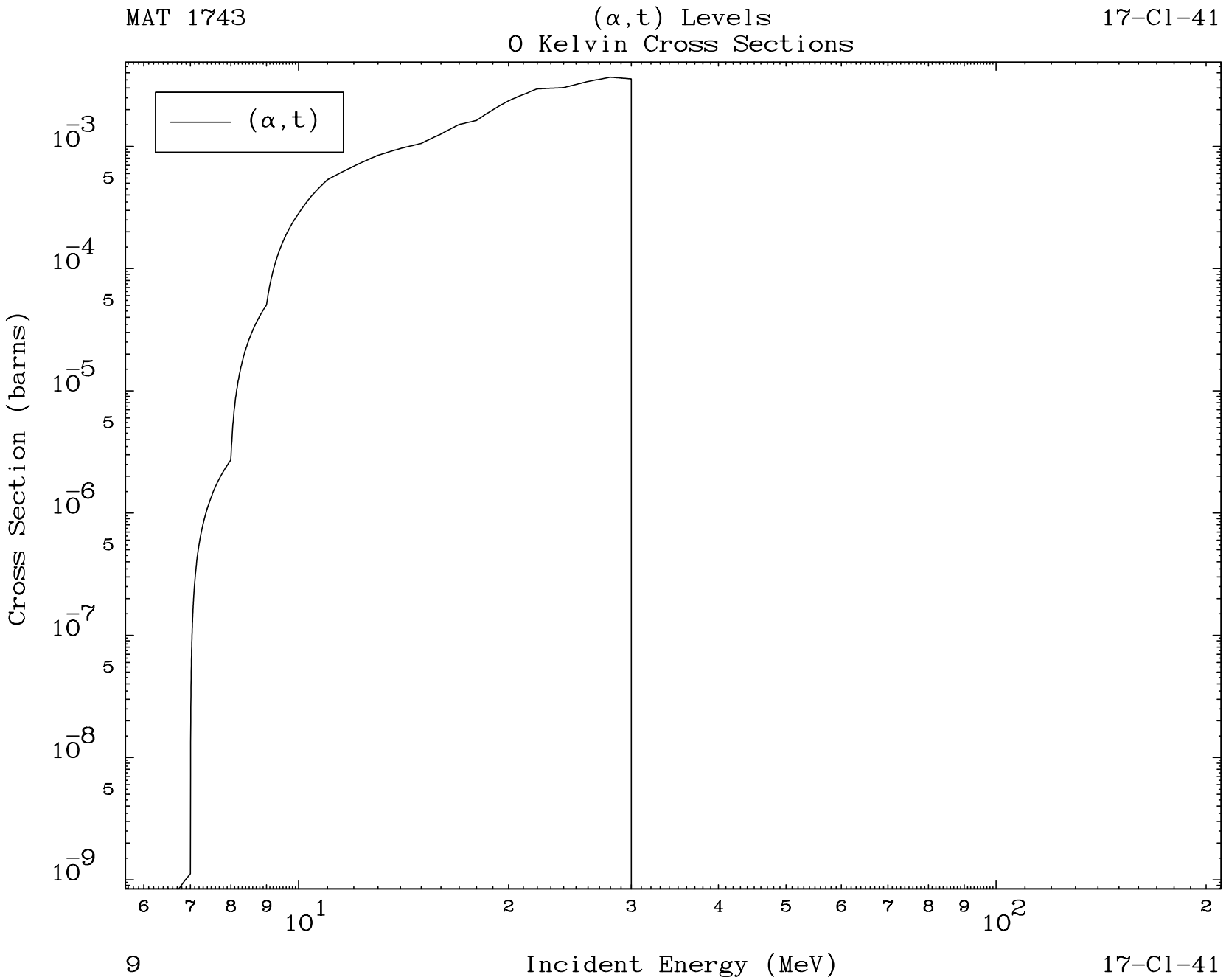

MAT 1743
α Charged Particle
0 Kelvin Cross Sections
17-Cl-41
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
5
17-Cl-41

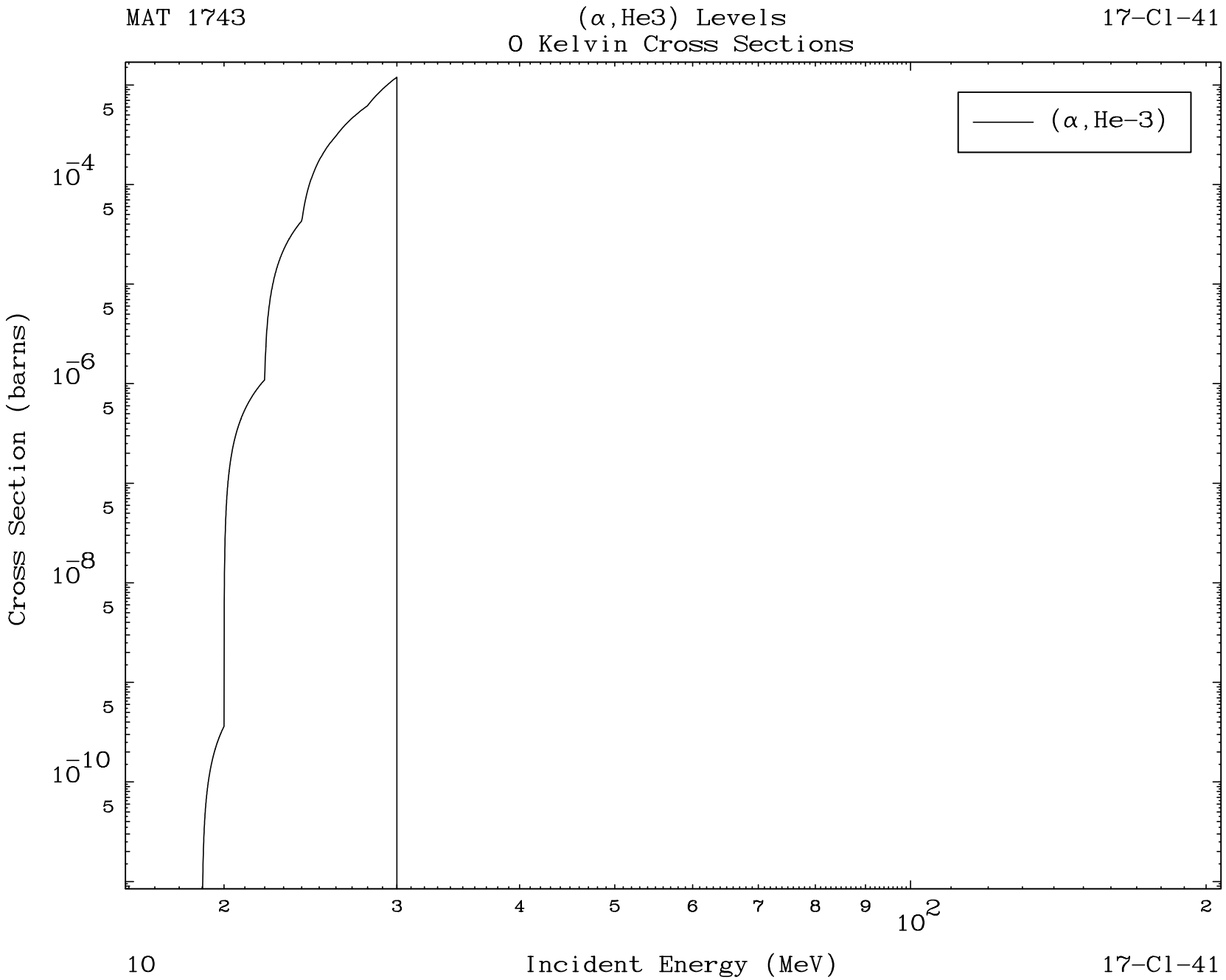
0 Kelvin Cross Sections

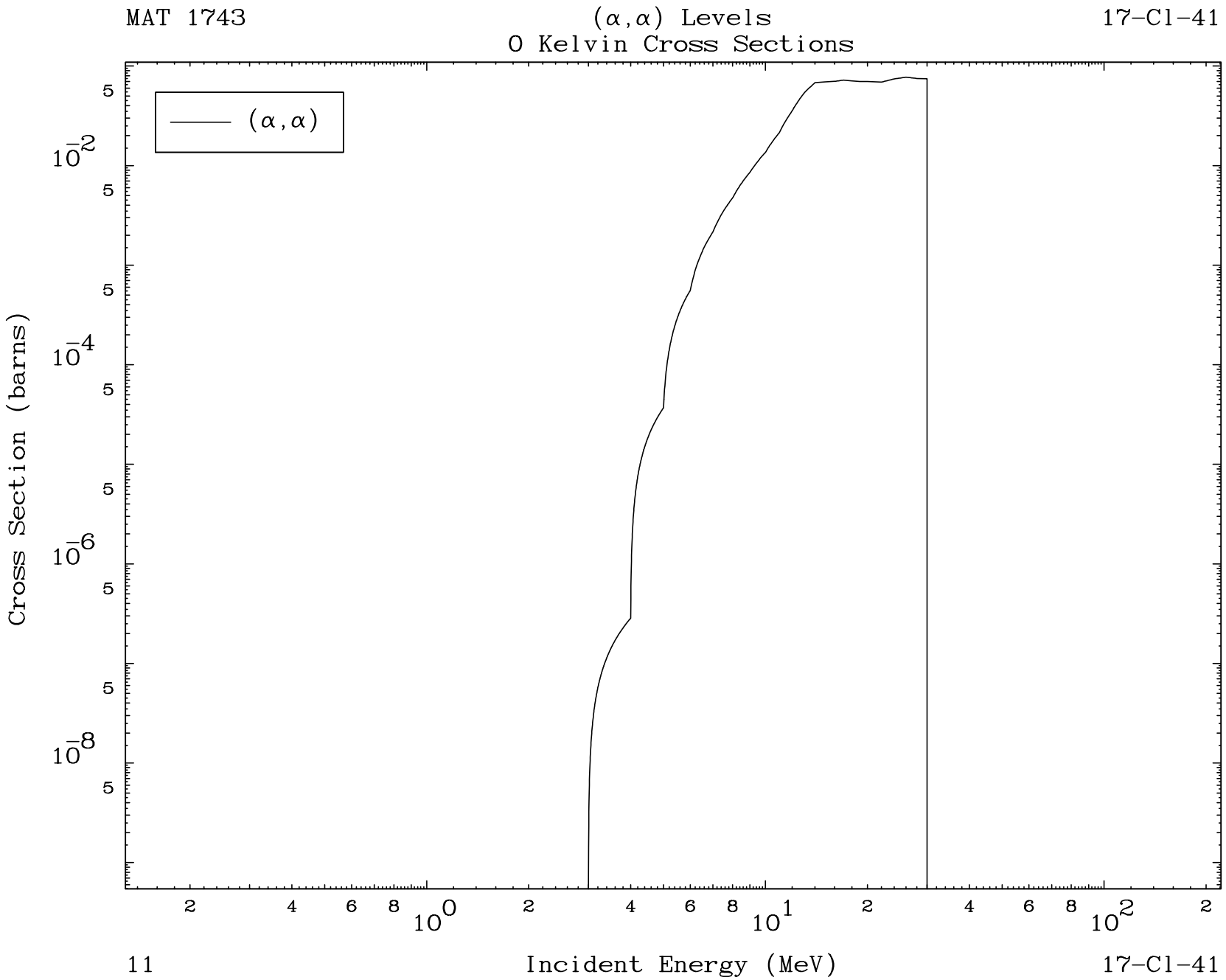


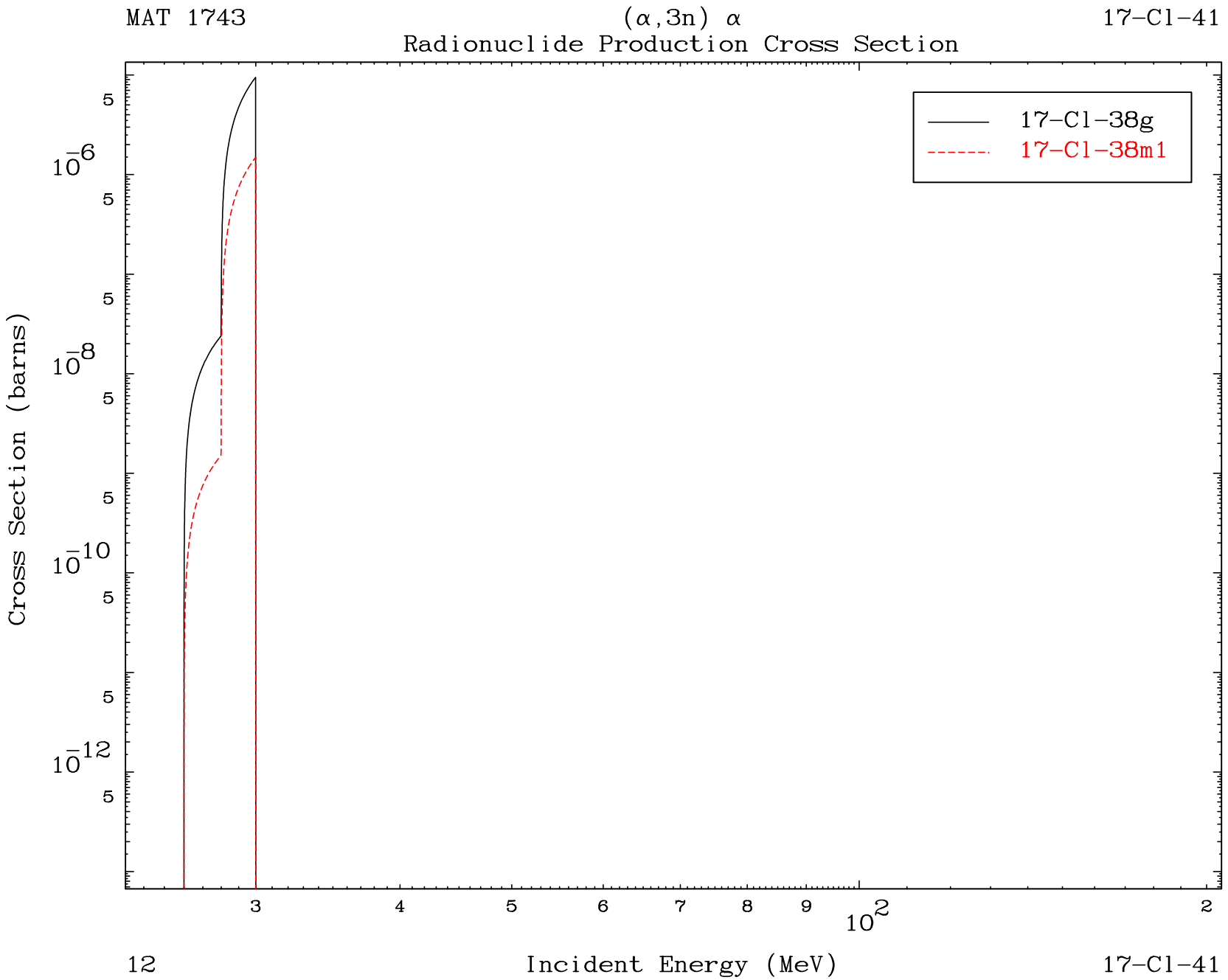

MAT 1743
(α,p) Levels
17-Cl-41
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
7
17-Cl-41


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


MAT 1743
(α,t) Levels
17-Cl-41
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-3
10-4
10-5
10-6
10-7
10-8
10-9
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
17-Cl-41


MAT 1743
(α,He3) Levels
17-Cl-41
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
10
Incident Energy (MeV)
17-Cl-41


MAT 1743
(α,α) Levels
17-Cl-41
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
11
17-Cl-41


MAT 1743
(α,3n) α
17-Cl-41
Radionuclide Production Cross Section
17-Cl-38g
17-Cl-38m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
17-Cl-41