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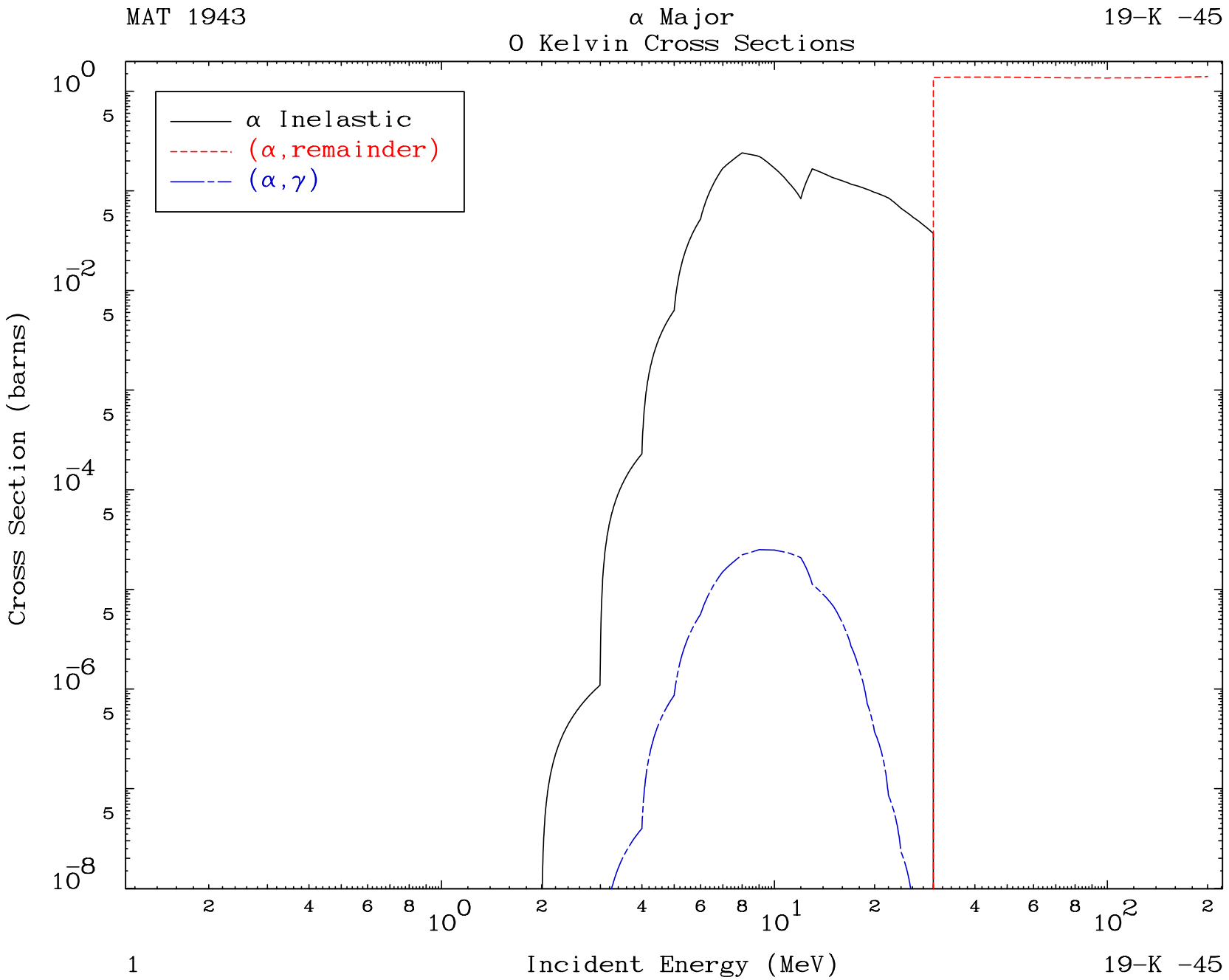
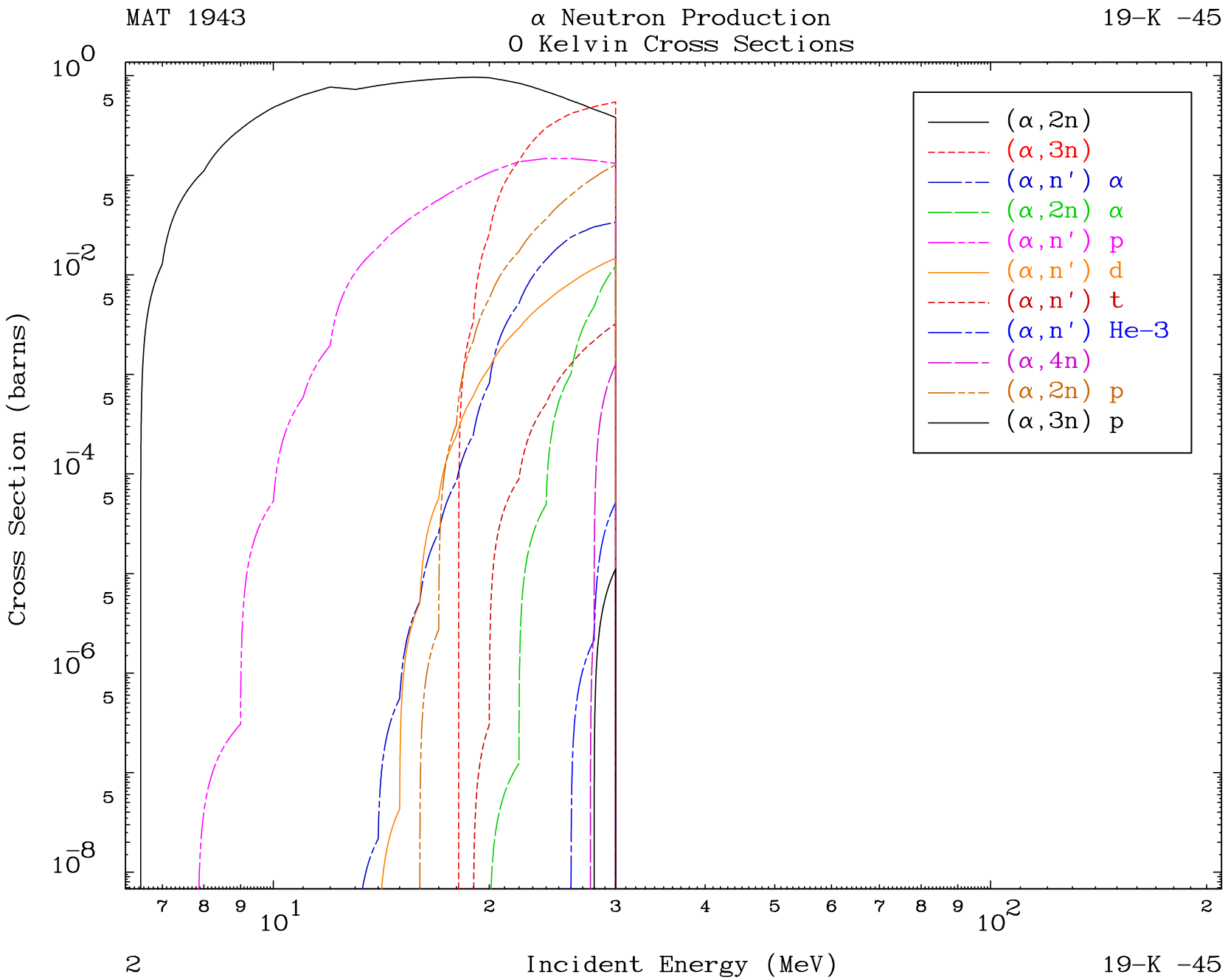
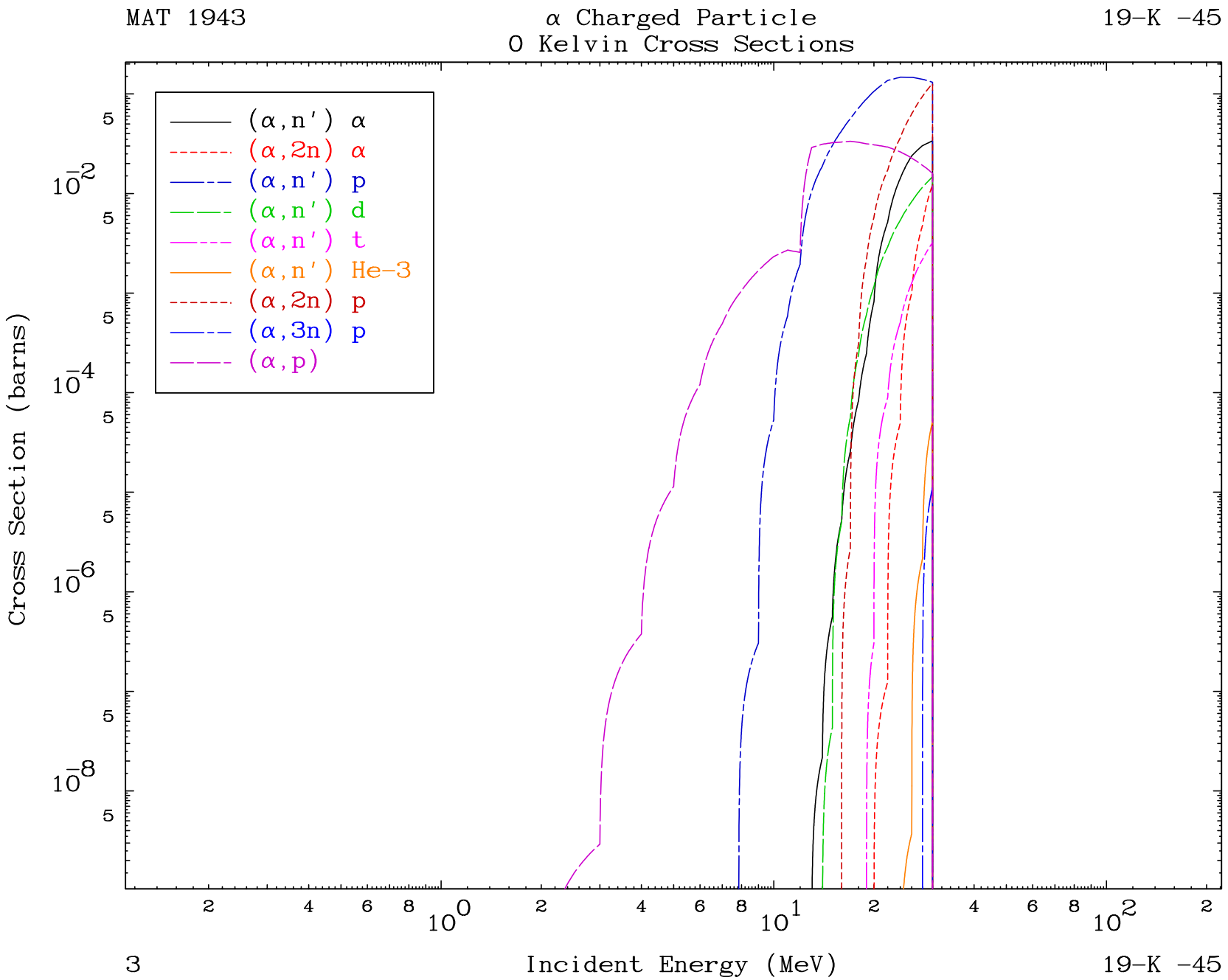
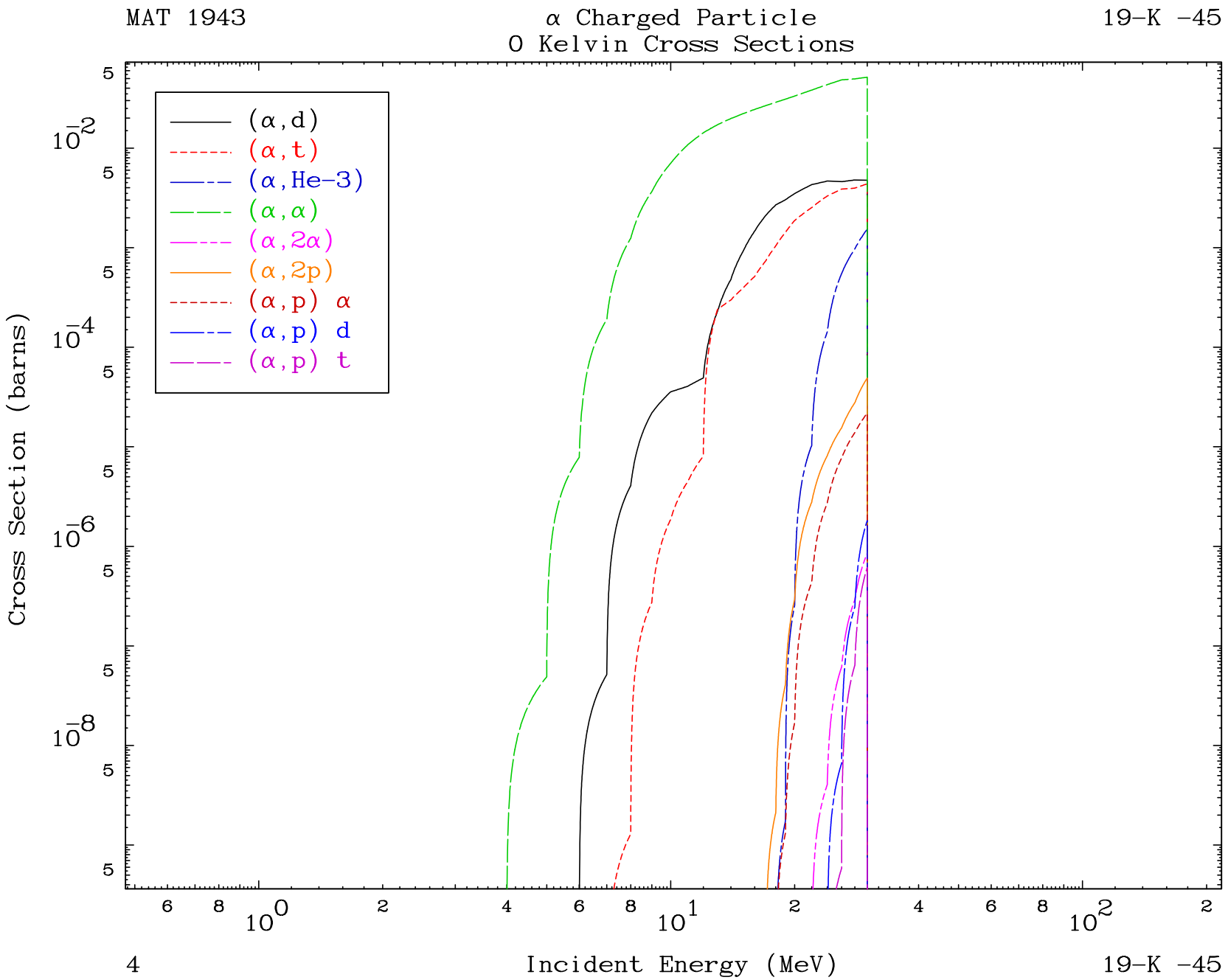
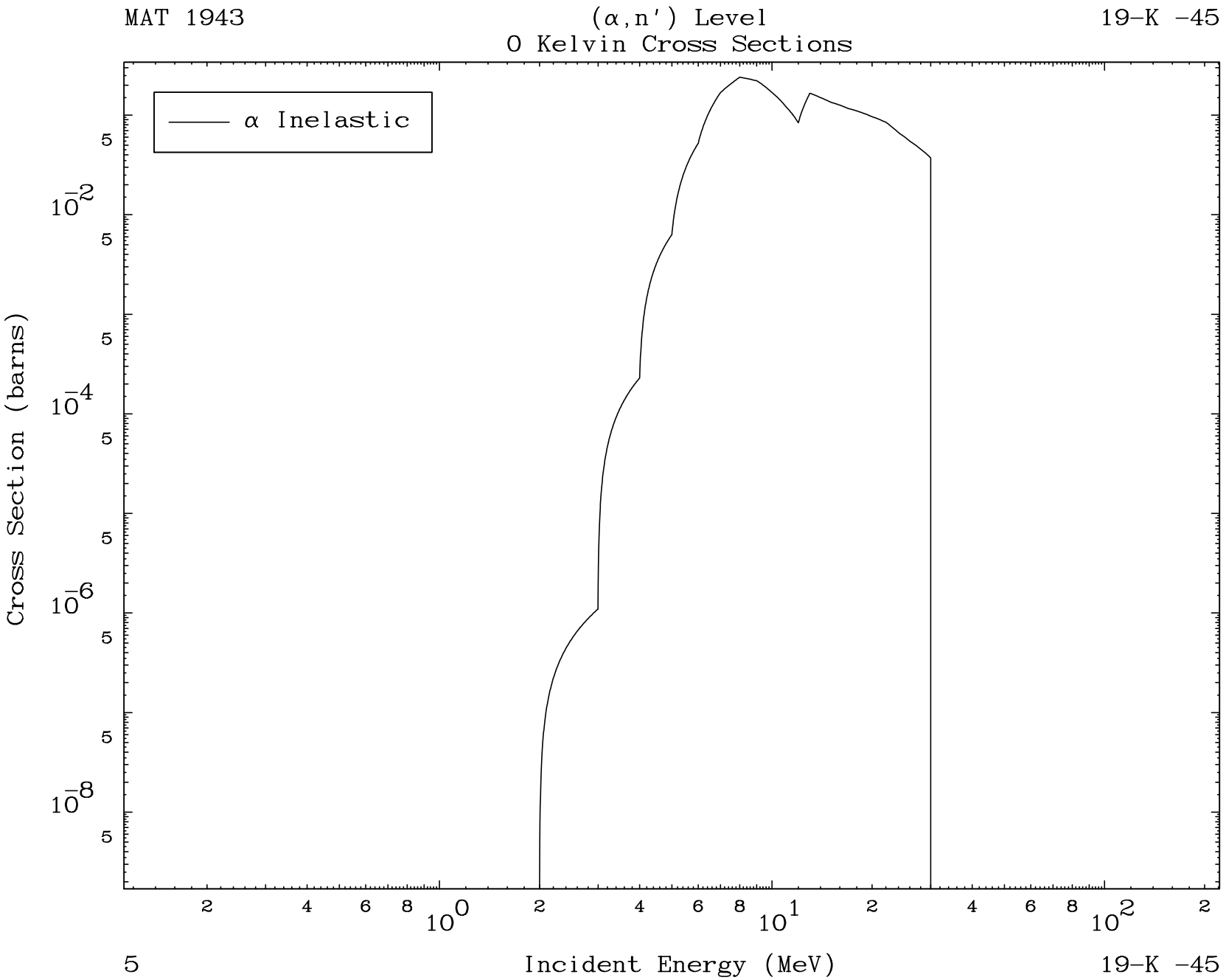
Press Mouse Button to Start

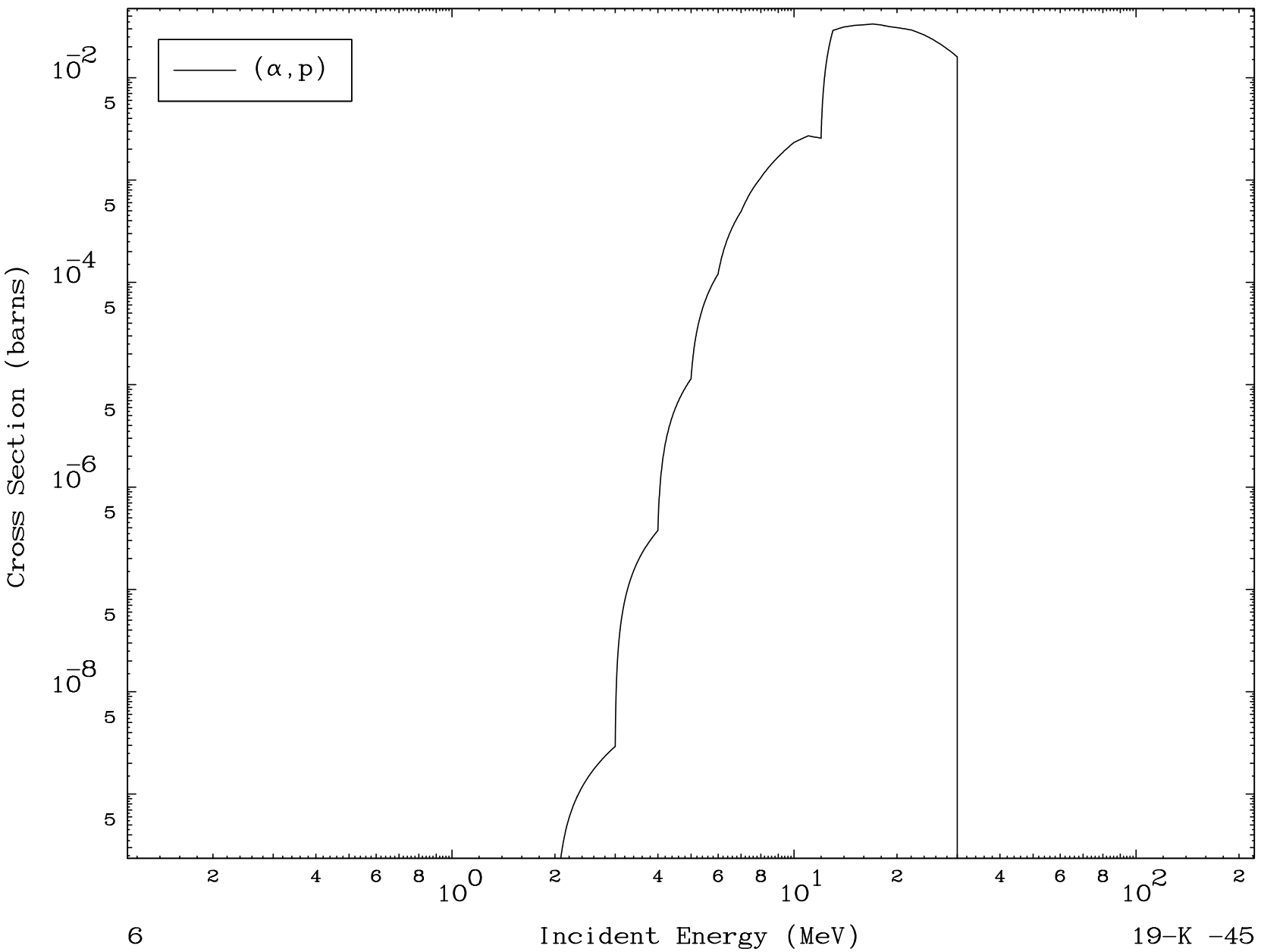

MAT 1943
α Major
19-K -45
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
19-K -45

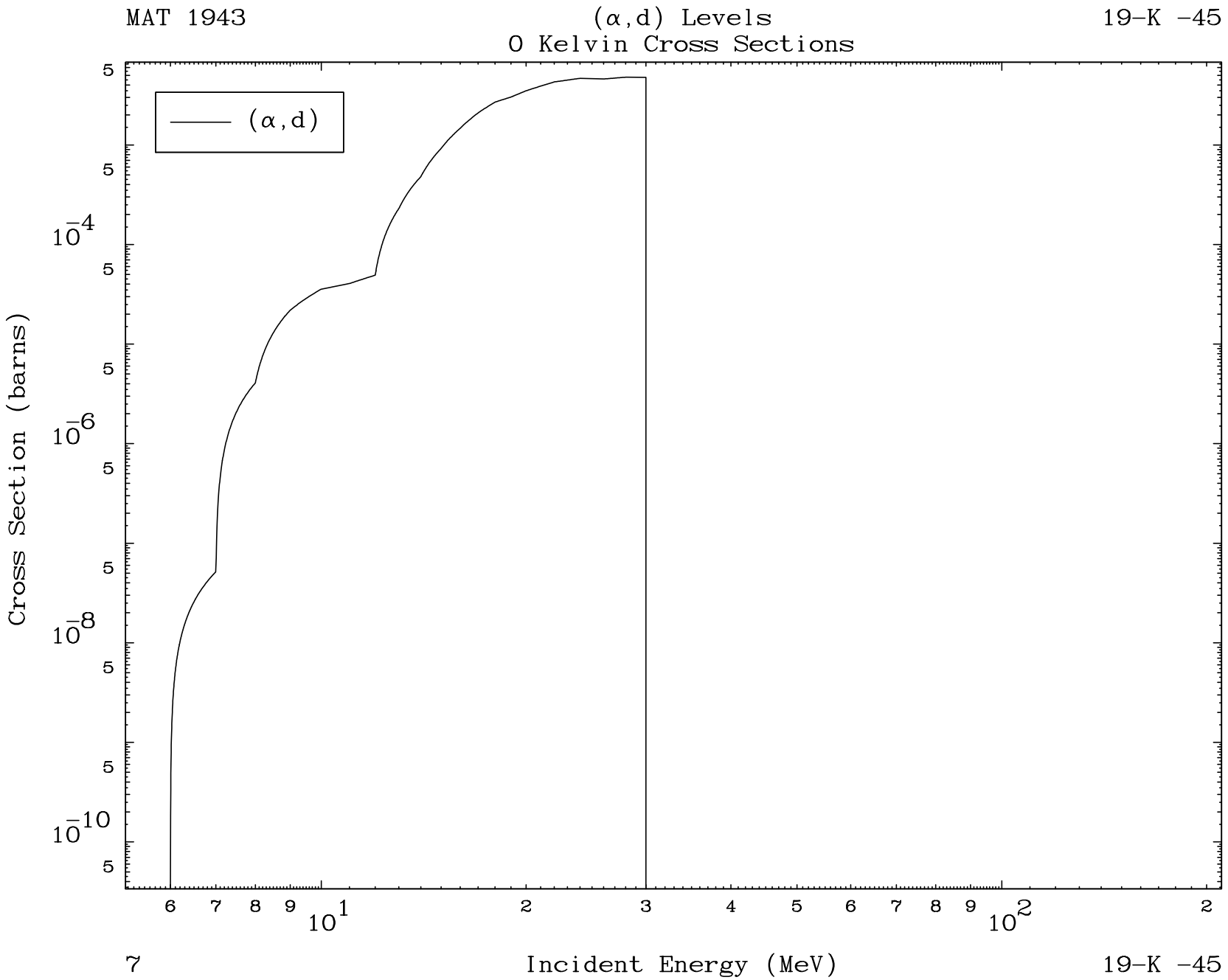

MAT 1943
α Neutron Production
0 Kelvin Cross Sections
19-K -45
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p

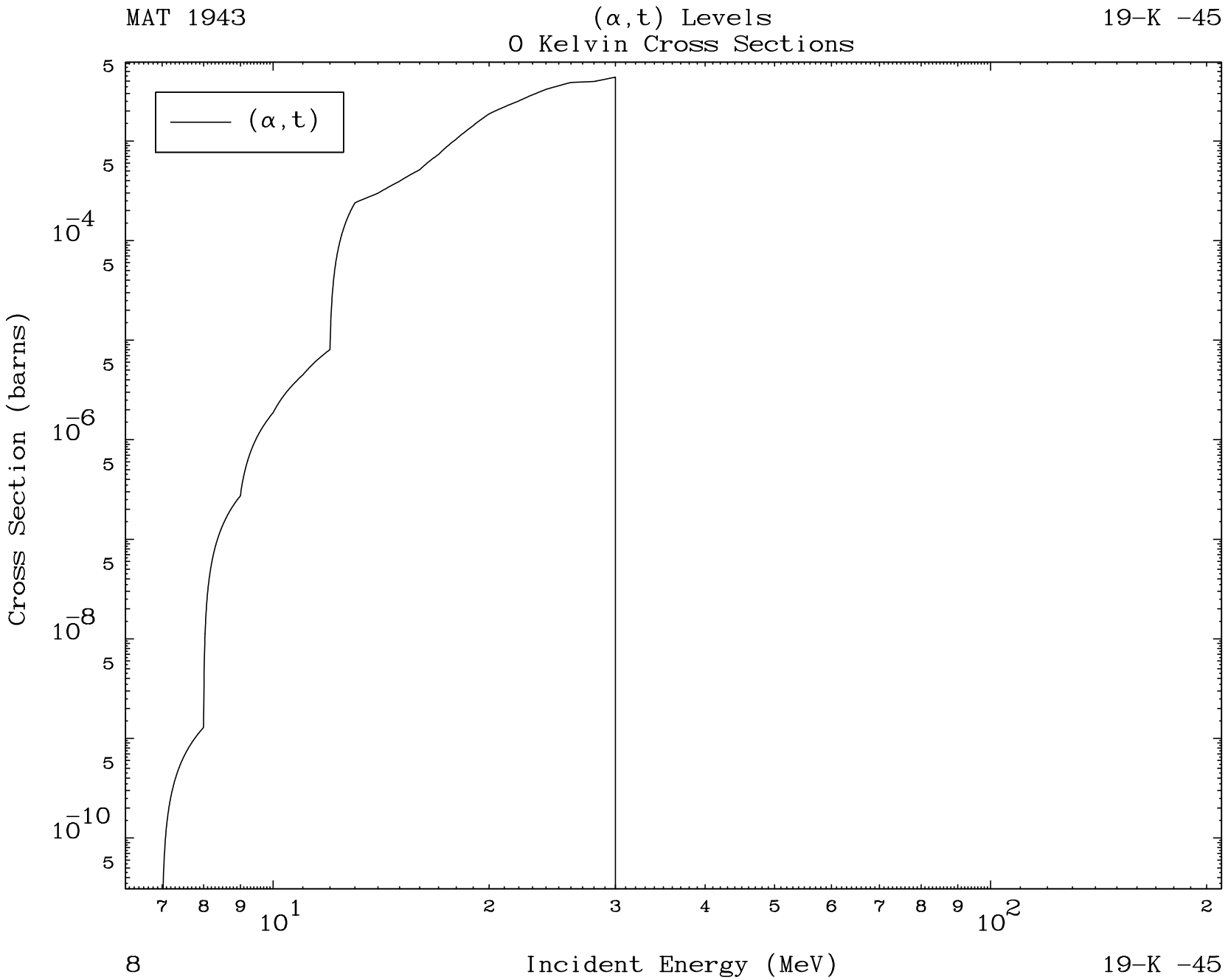

MAT 1943
α Charged Particle
0 Kelvin Cross Sections
19-K -45
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,3n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
19-K -45

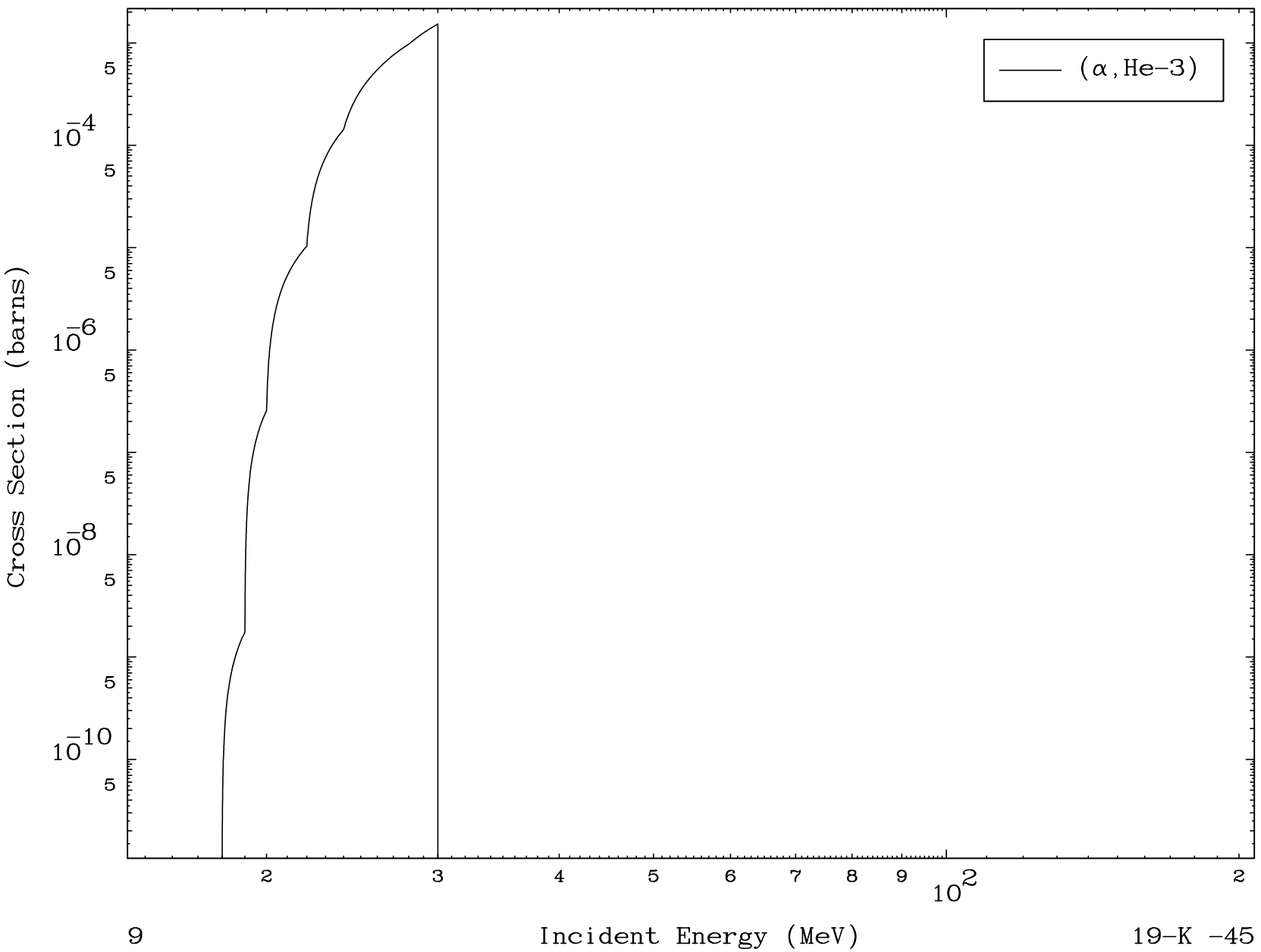

MAT 1943
α Charged Particle
0 Kelvin Cross Sections
19-K -45
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
19-K -45

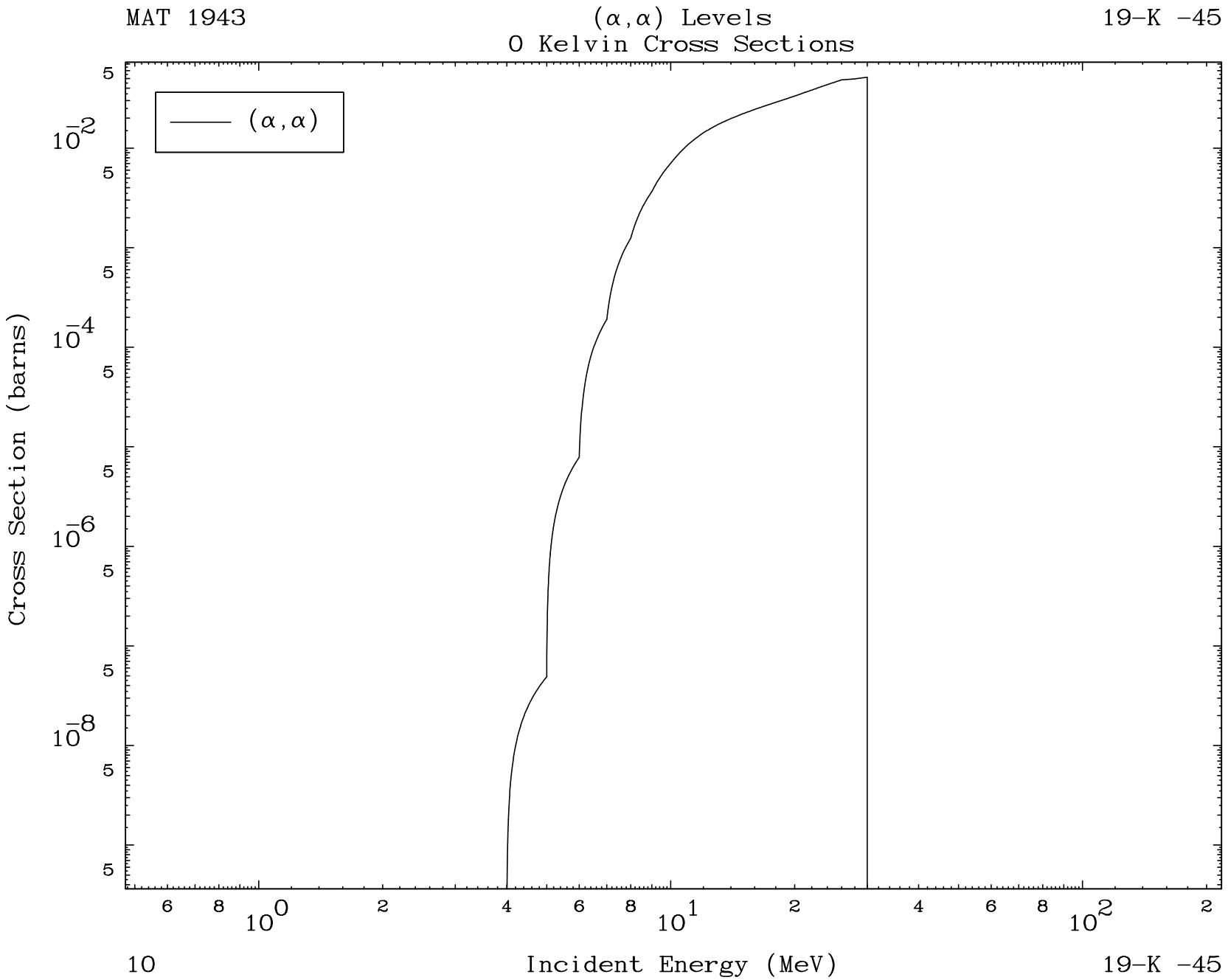

MAT 1943
(α,n') Level
19-K -45
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
5
19-K -45

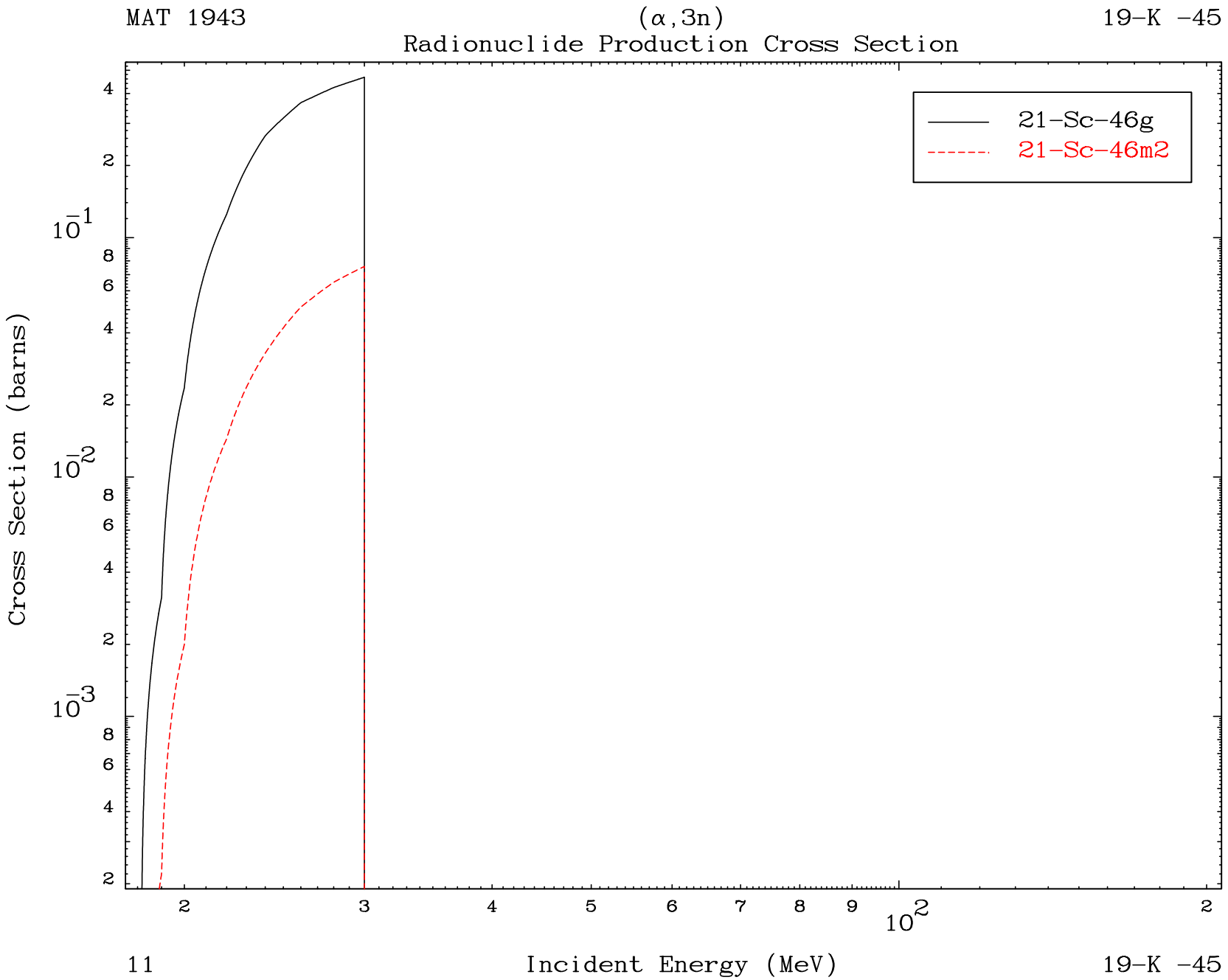

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
2 4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)

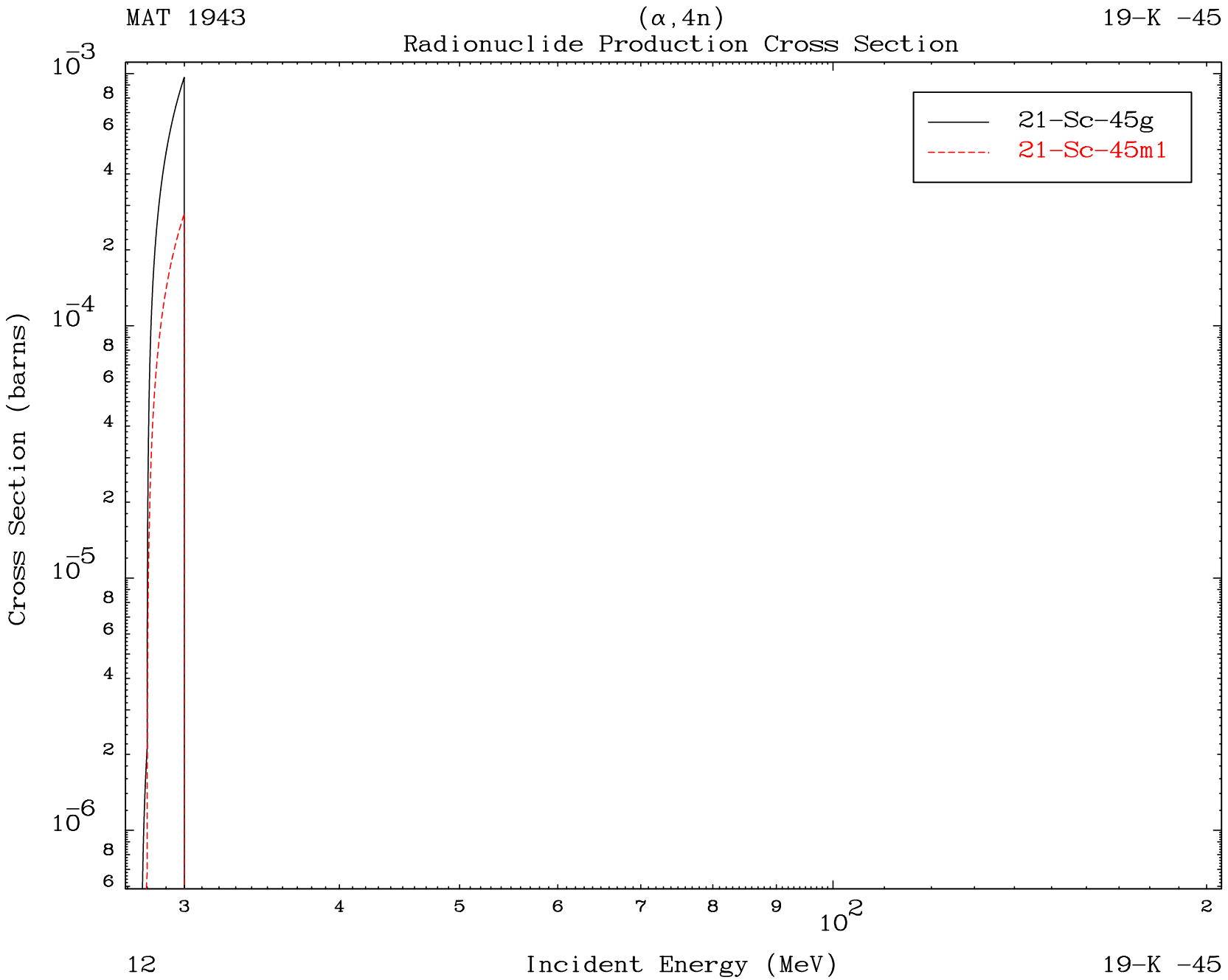

MAT 1943
(α,d) Levels
19-K -45
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
7
19-K -45


MAT 1943
(α,t) Levels
19-K -45
0 Kelvin Cross Sections
(α,t)
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)
8
19-K -45


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)


MAT 1943
(α,α) Levels
19-K -45
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
19-K -45


MAT 1943
(α,3n)
19-K -45
Radionuclide Production Cross Section
21-Sc-46g
21-Sc-46m2
Cross Section (barns)
Incident Energy (MeV)
11
19-K -45


MAT 1943
(α,4n)
19-K -45
Radionuclide Production Cross Section
21-Sc-45g
21-Sc-45m1
Cross Section (barns)
Incident Energy (MeV)
12
19-K -45