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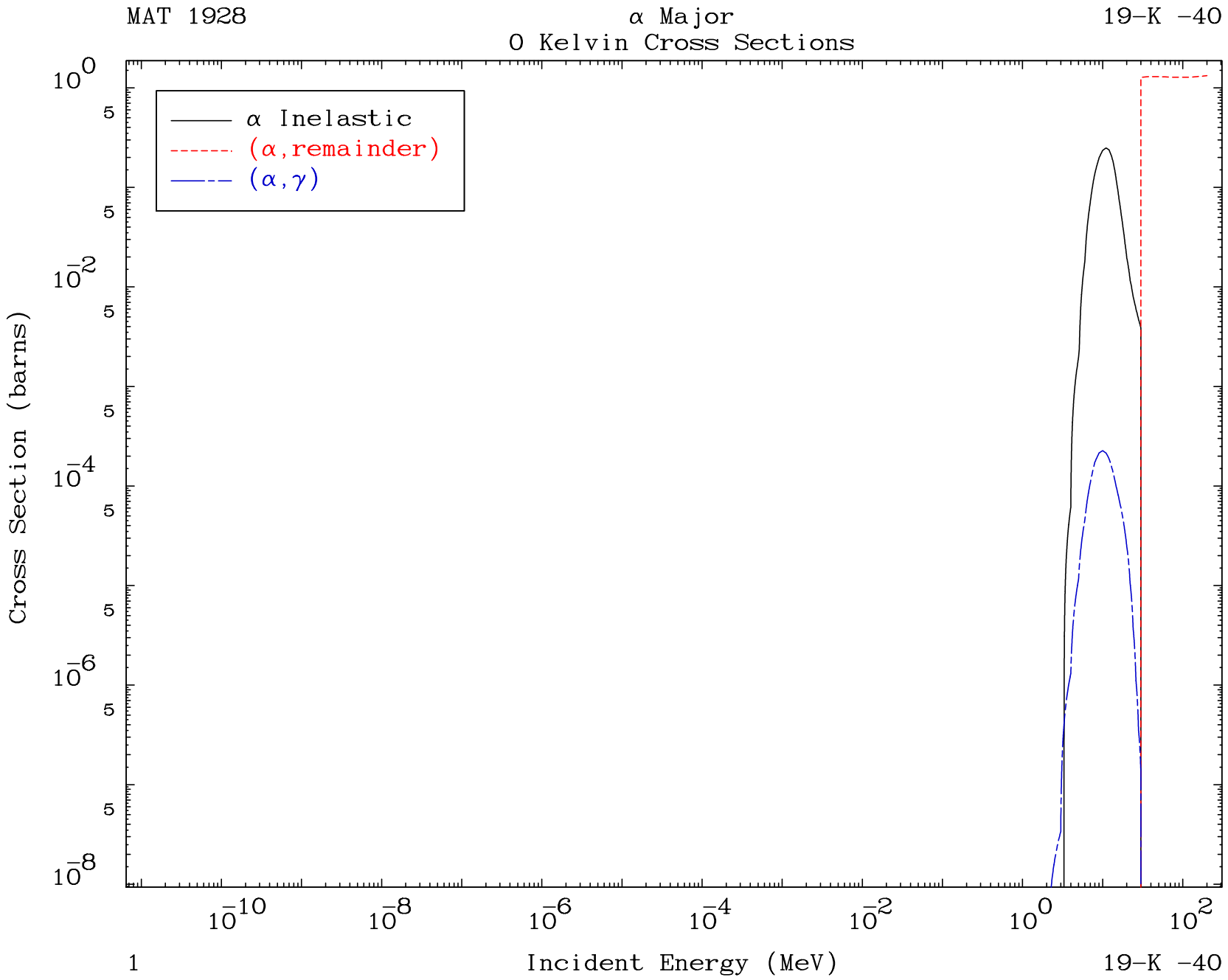
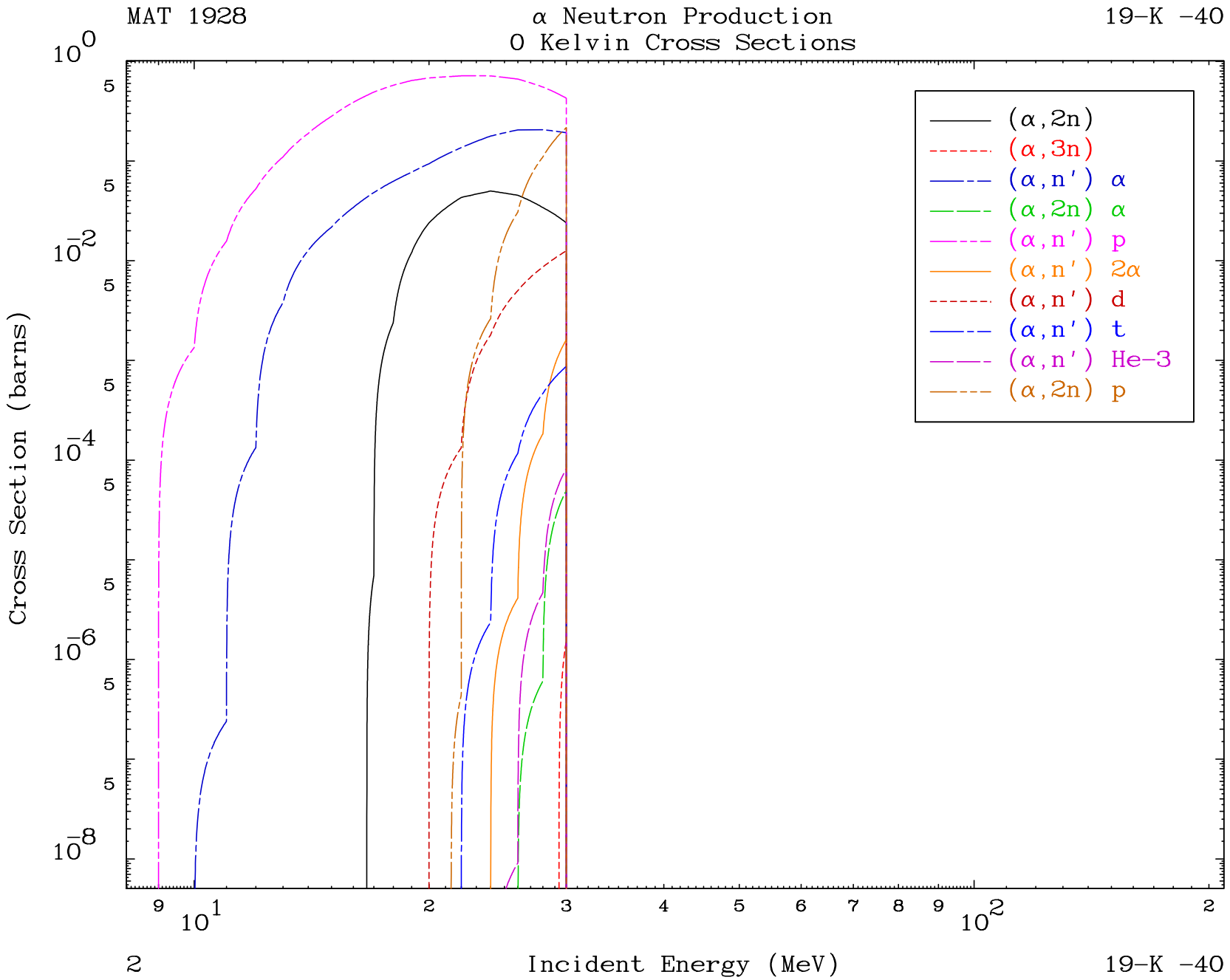
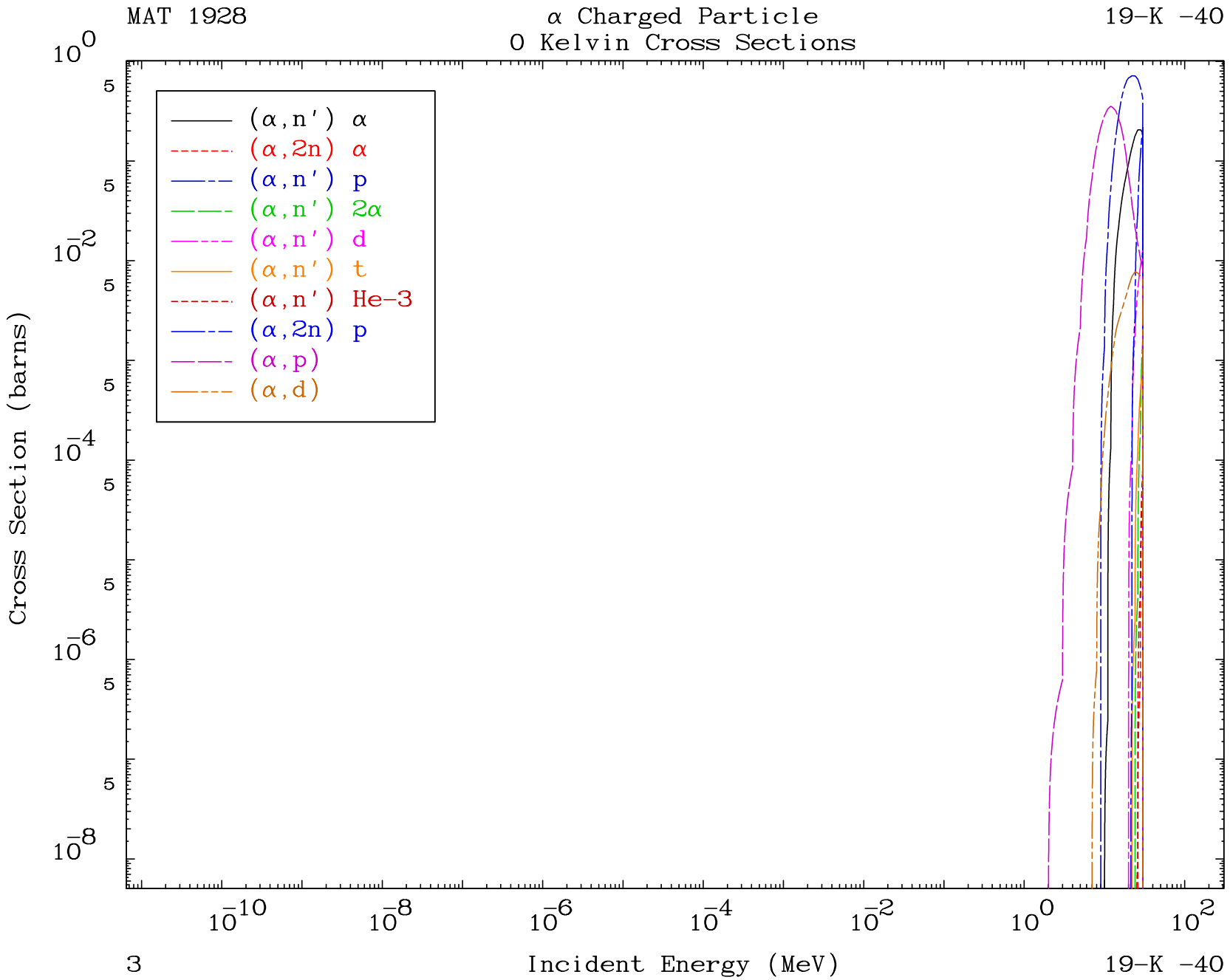
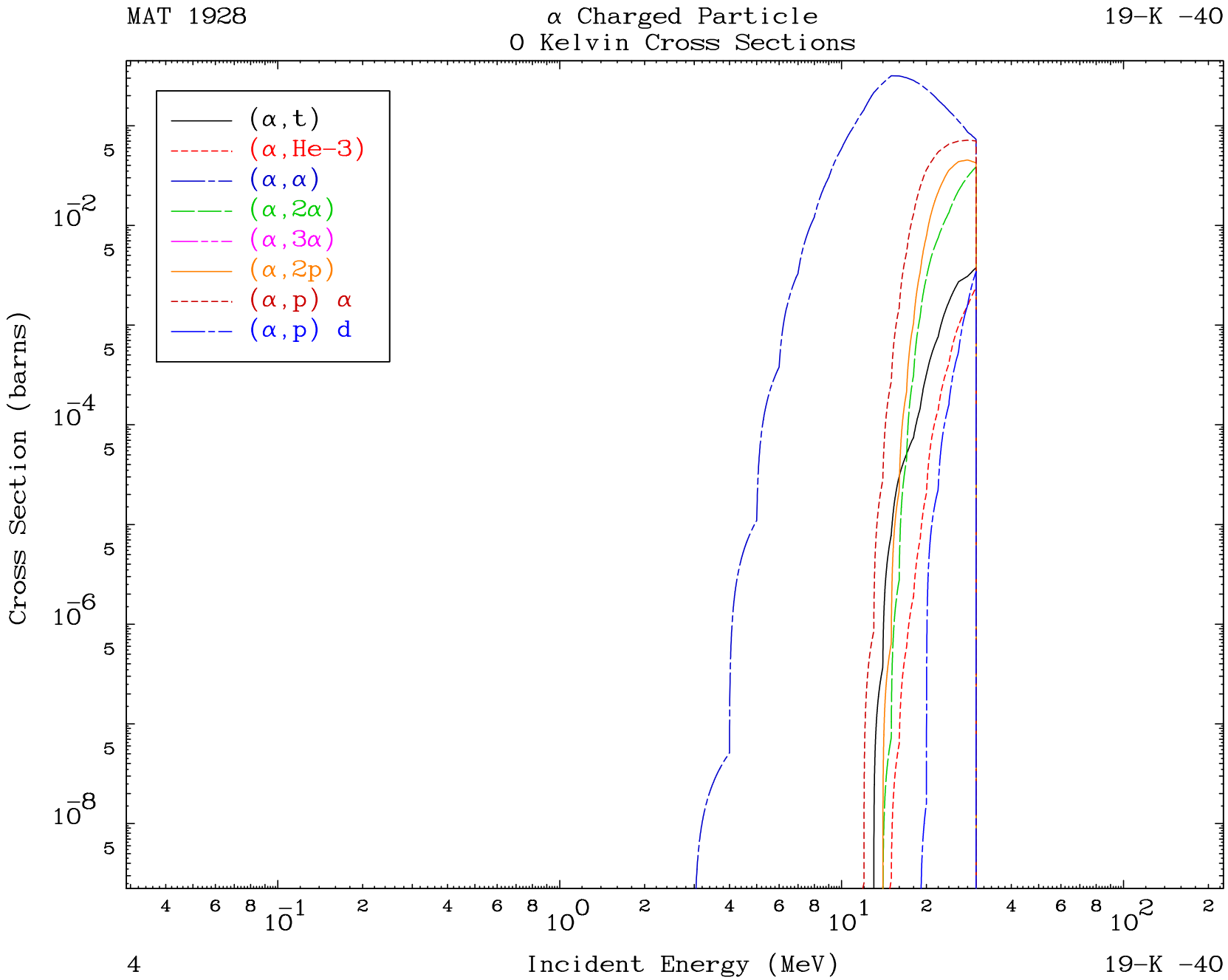
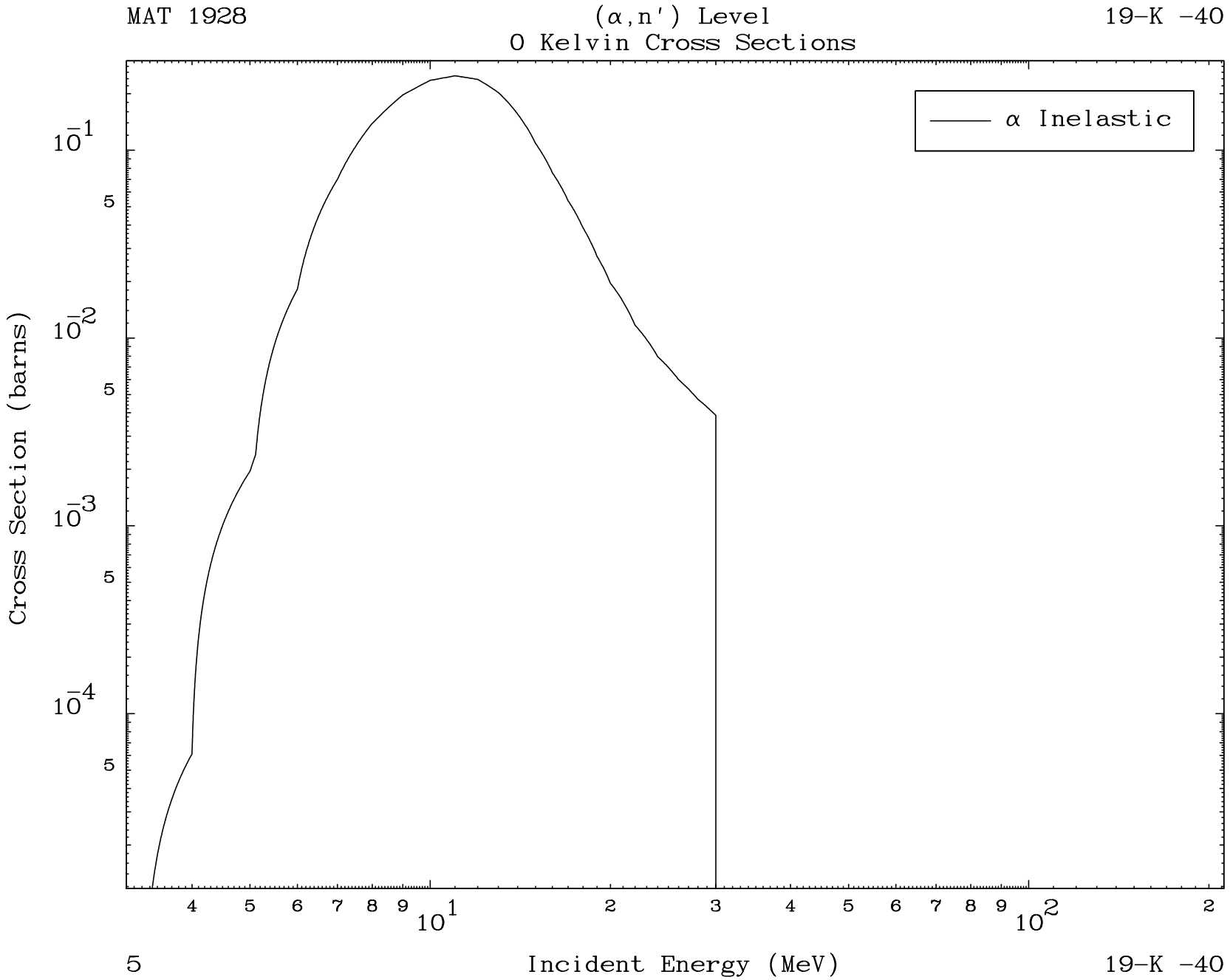
Press Mouse Button to Start

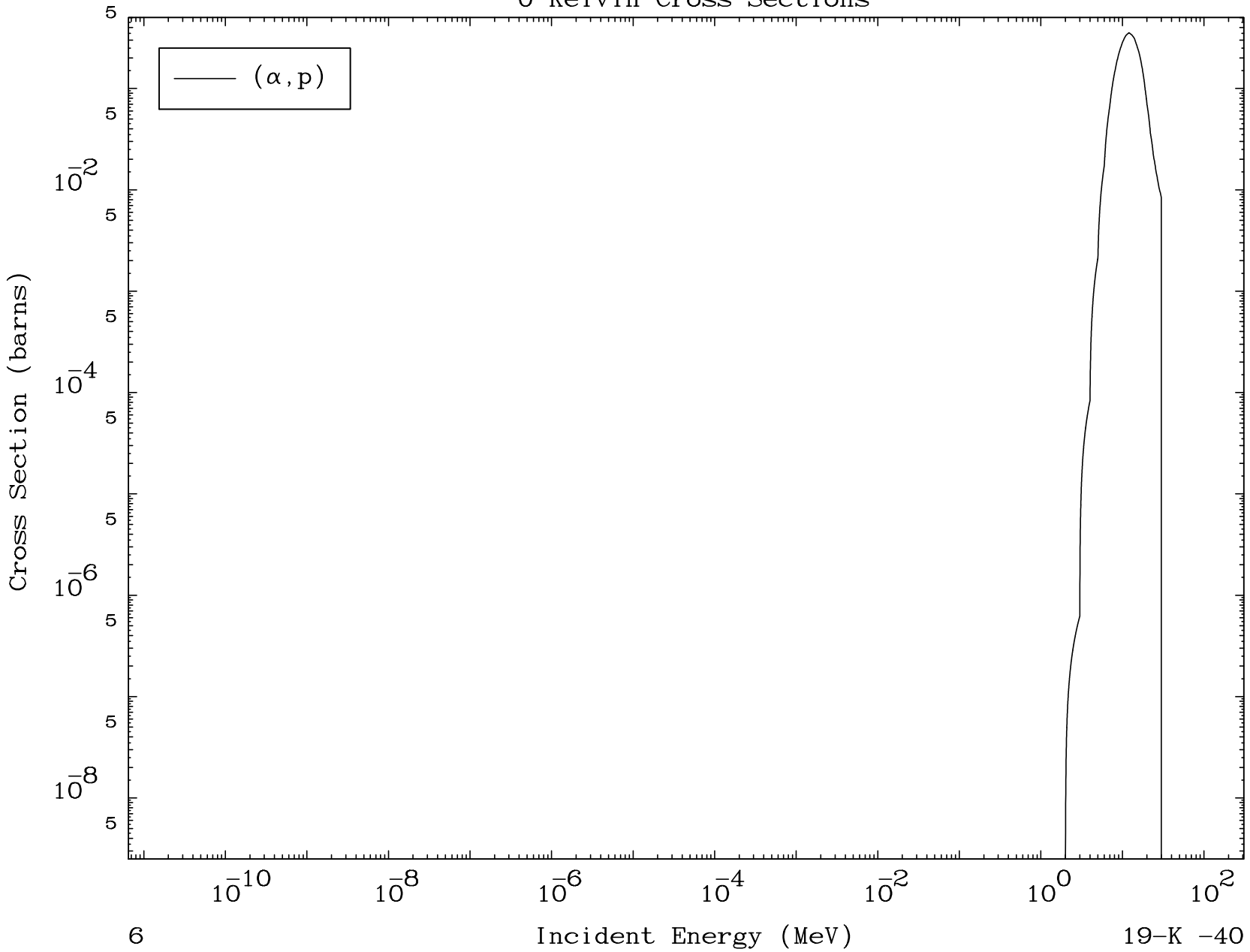

MAT 1928
α Major
19-K -40
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
19-K -40

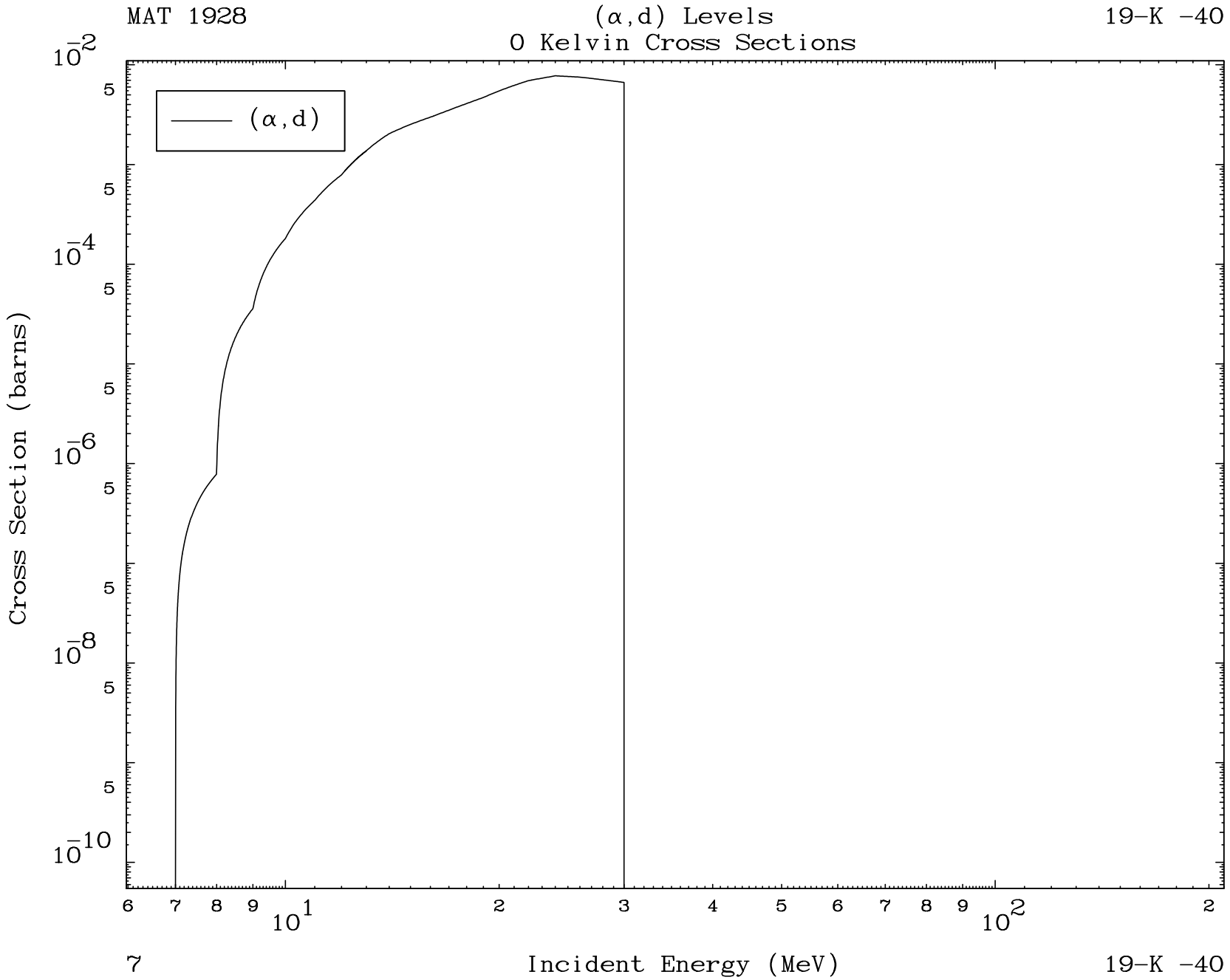

MAT 1928
α Neutron Production
0 Kelvin Cross Sections
19-K -40
Cross Section (barns)
Incident Energy (MeV)
19-K -40
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p

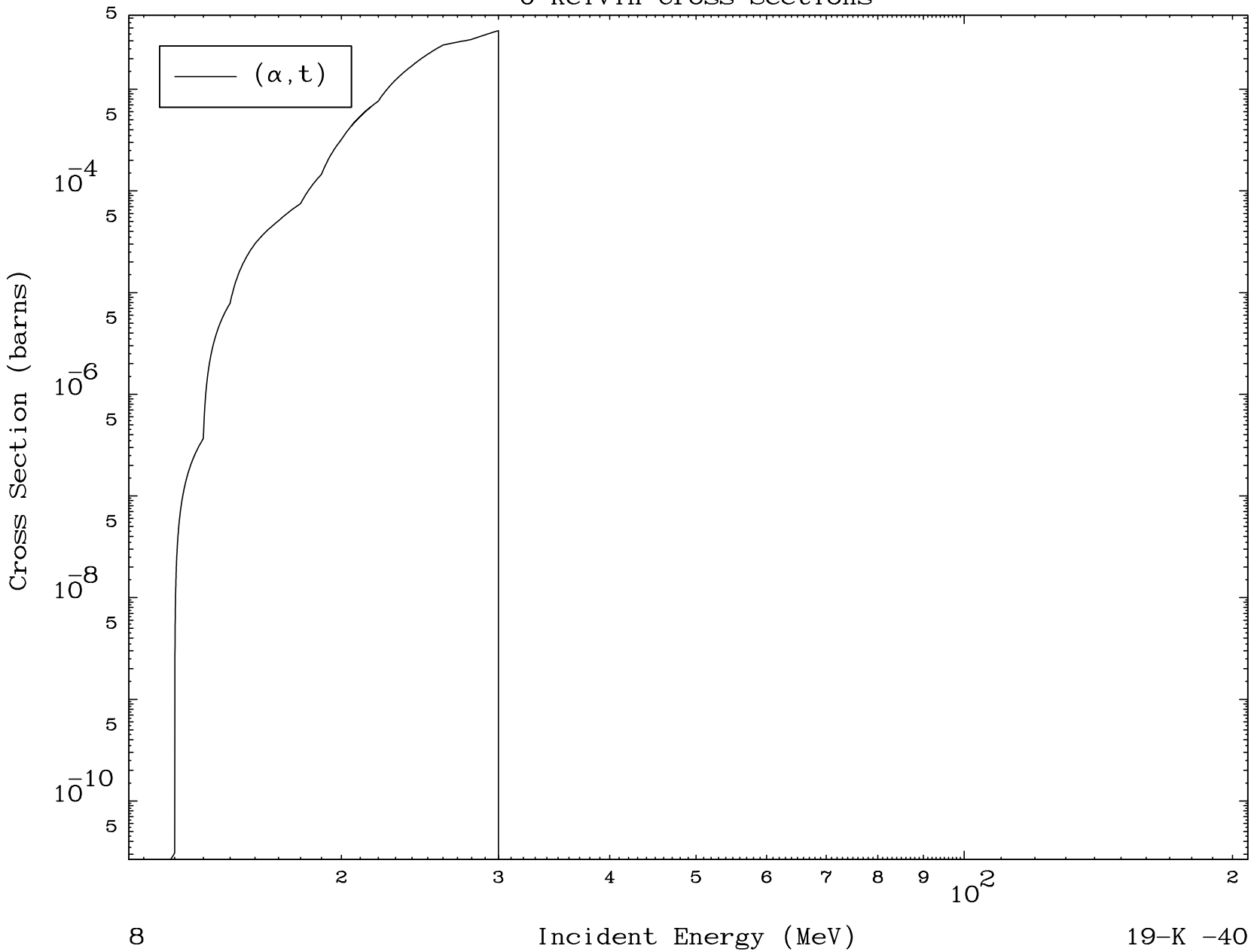

MAT 1928
α Charged Particle
0 Kelvin Cross Sections
19-K -40
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
19-K -40

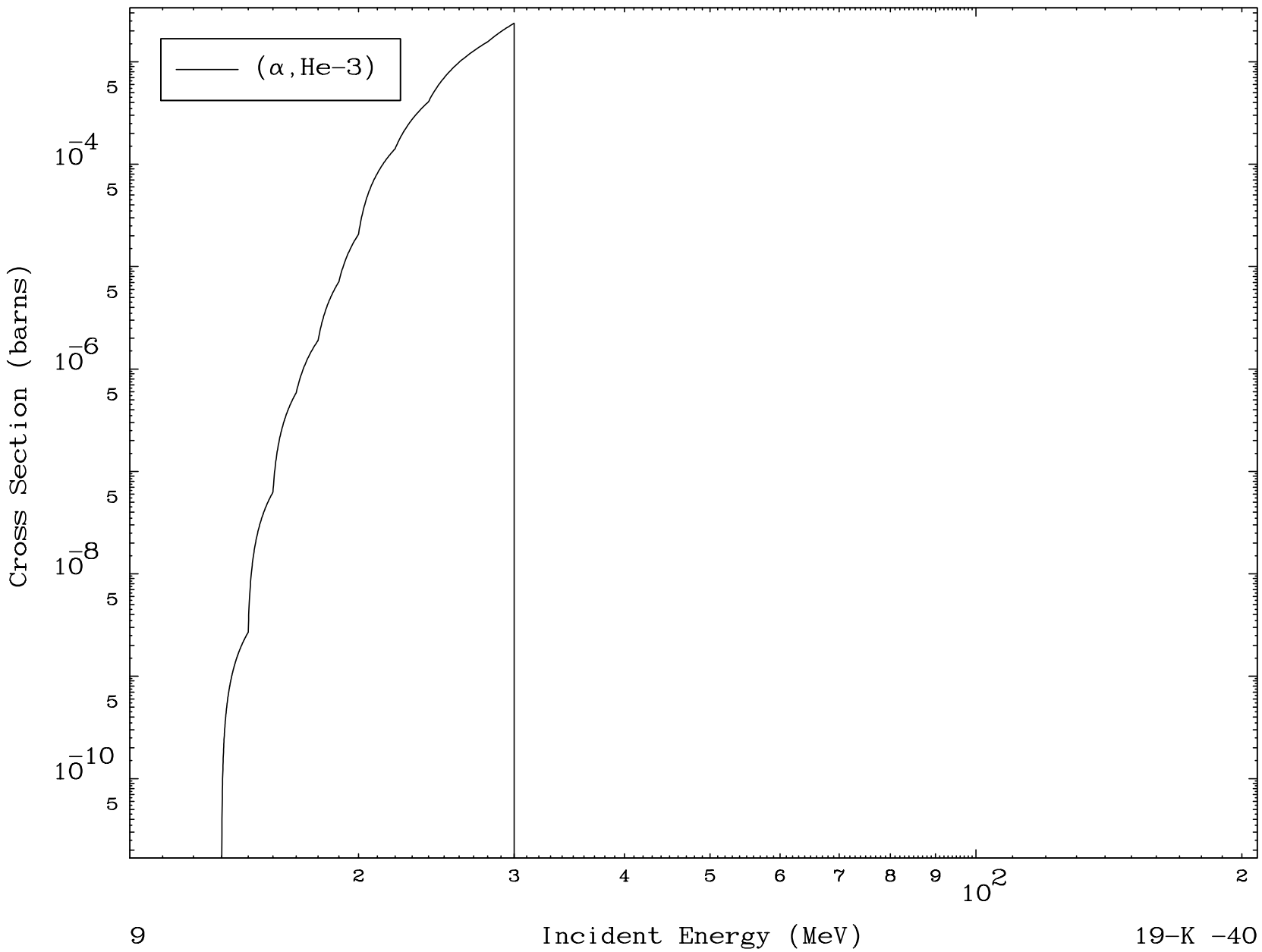

MAT 1928
α Charged Particle
0 Kelvin Cross Sections
19-K -40
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,3α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
19-K -40

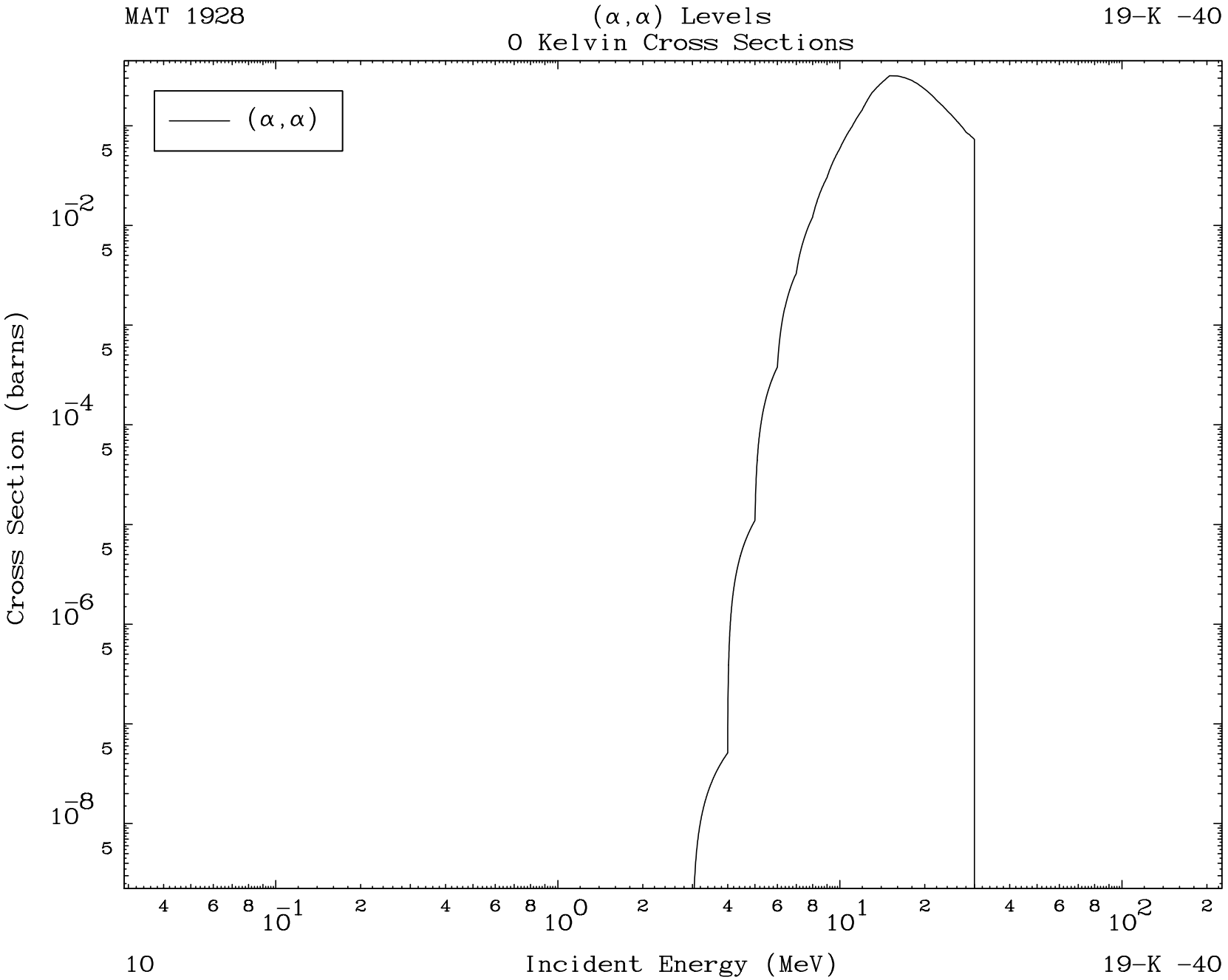

MAT 1928
(α,n') Level
19-K -40
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
5
Incident Energy (MeV)
19-K -40

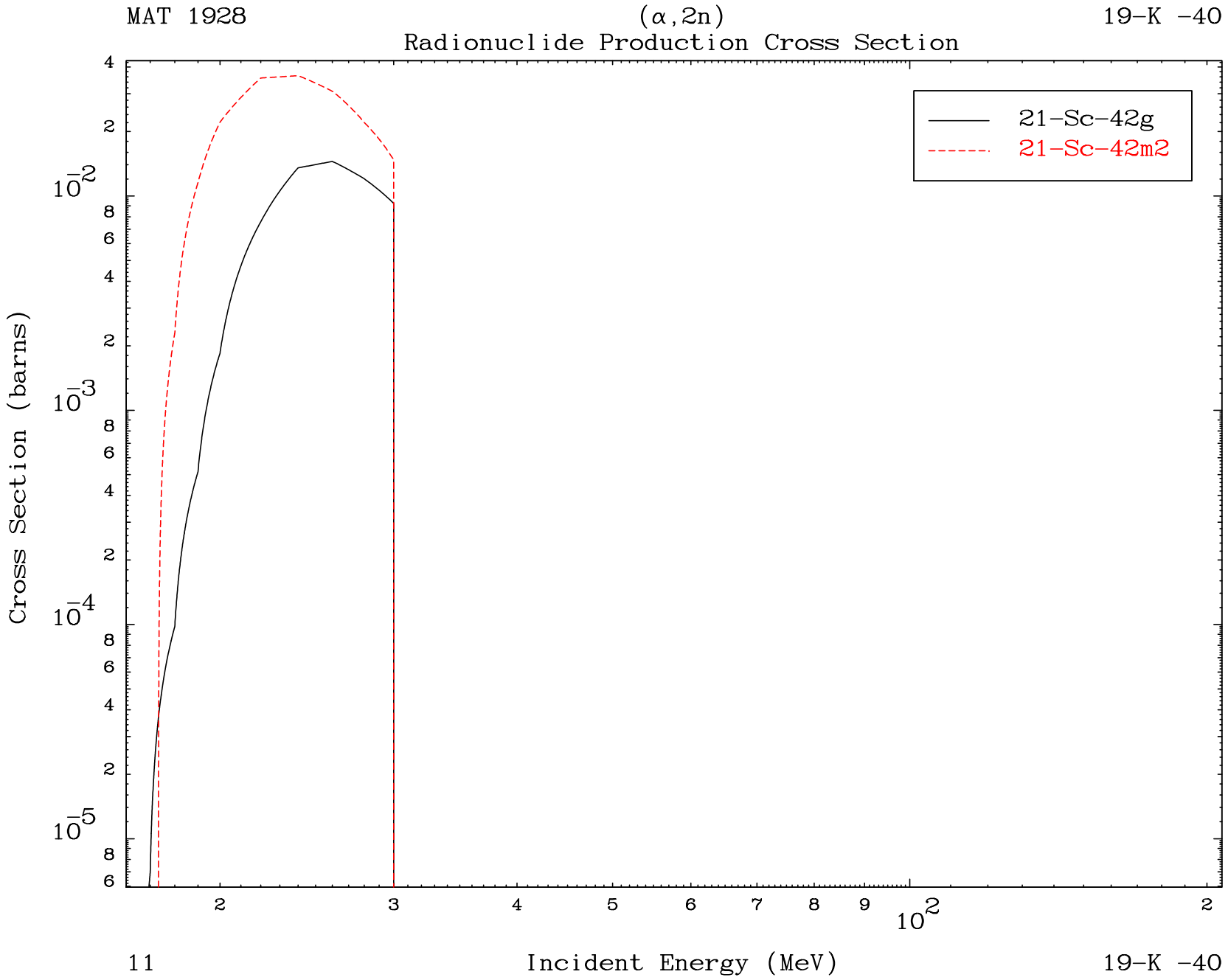

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)

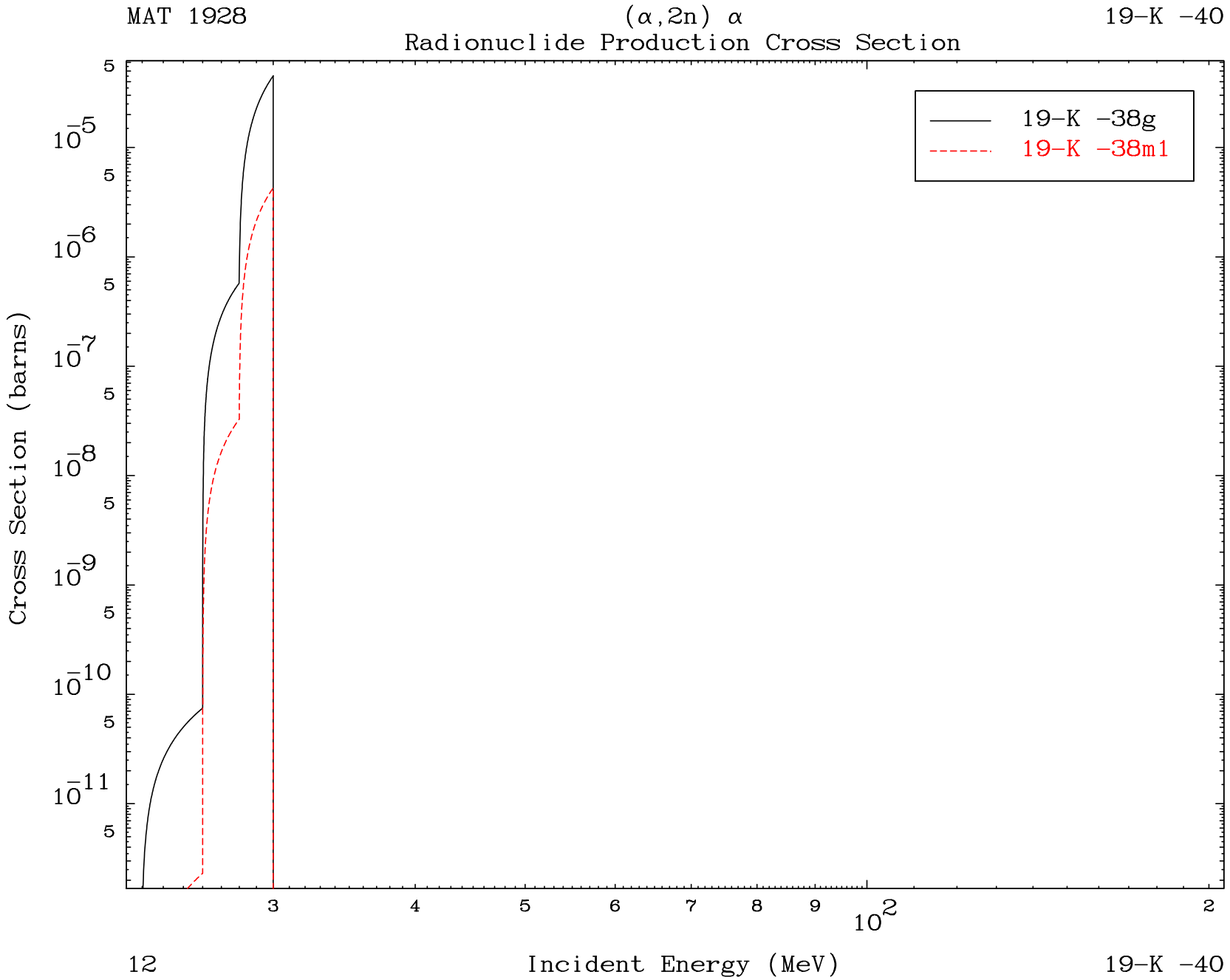

MAT 1928
(α,d) Levels
19-K -40
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
7
19-K -40

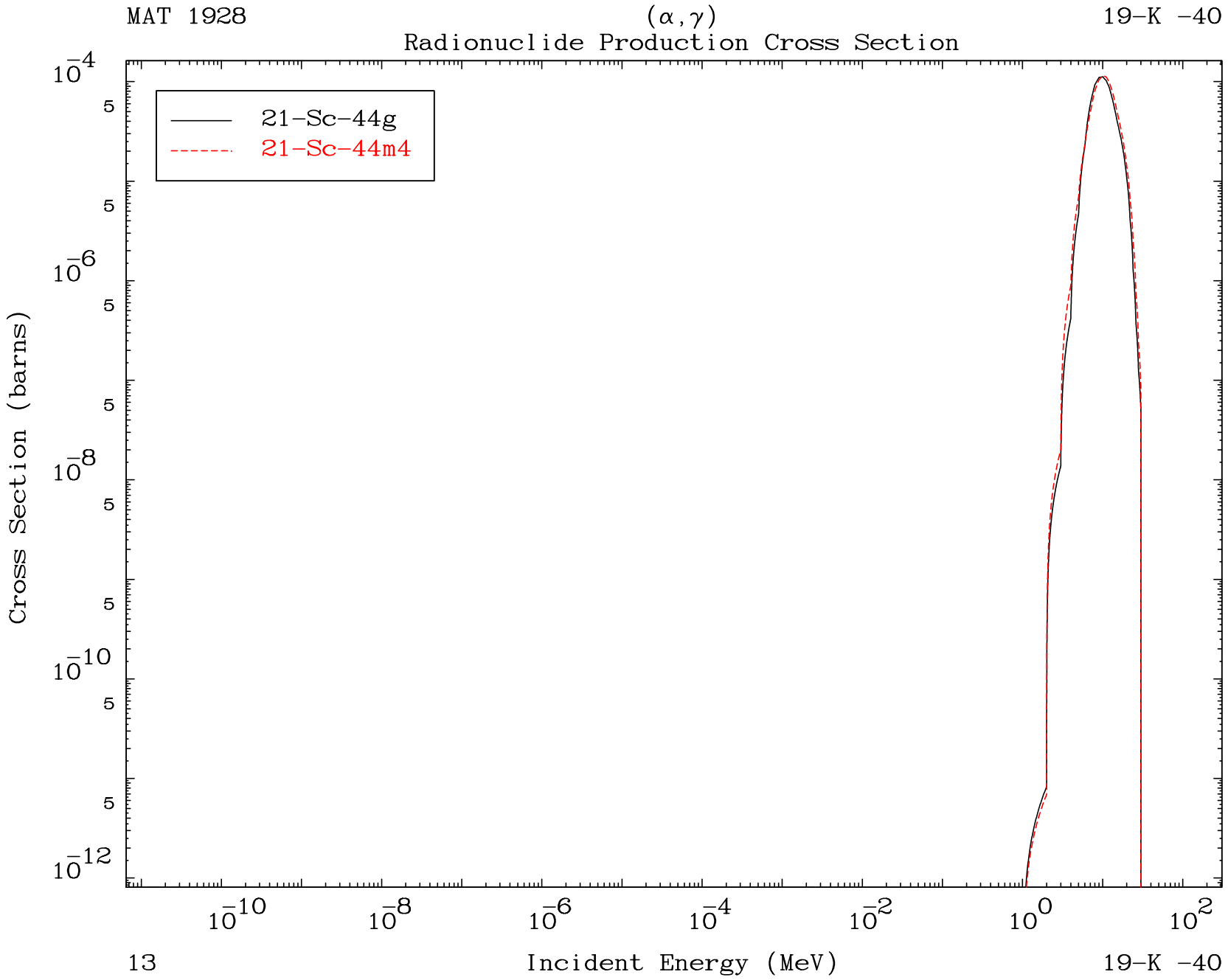

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


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 1928
(α,α) Levels
19-K -40
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10⁻2
10⁻4
10⁻6
10⁻8
10⁻1
10⁰
10¹
10²
Incident Energy (MeV)
10
19-K -40


MAT 1928
(α,2n)
19-K -40
Radionuclide Production Cross Section
21-Sc-42g
21-Sc-42m2
Cross Section (barns)
Incident Energy (MeV)
11
19-K -40


MAT 1928
(α,2n) α
19-K -40
Radionuclide Production Cross Section
19-K -38g
19-K -38m1
Cross Section (barns)
Incident Energy (MeV)
12
19-K -40


MAT 1928
(α,γ)
19-K -40
Radionuclide Production Cross Section
21-Sc-44g
21-Sc-44m4
Cross Section (barns)
Incident Energy (MeV)
13
19-K -40