Program EVALPLOT
(Version 2021-1)
by
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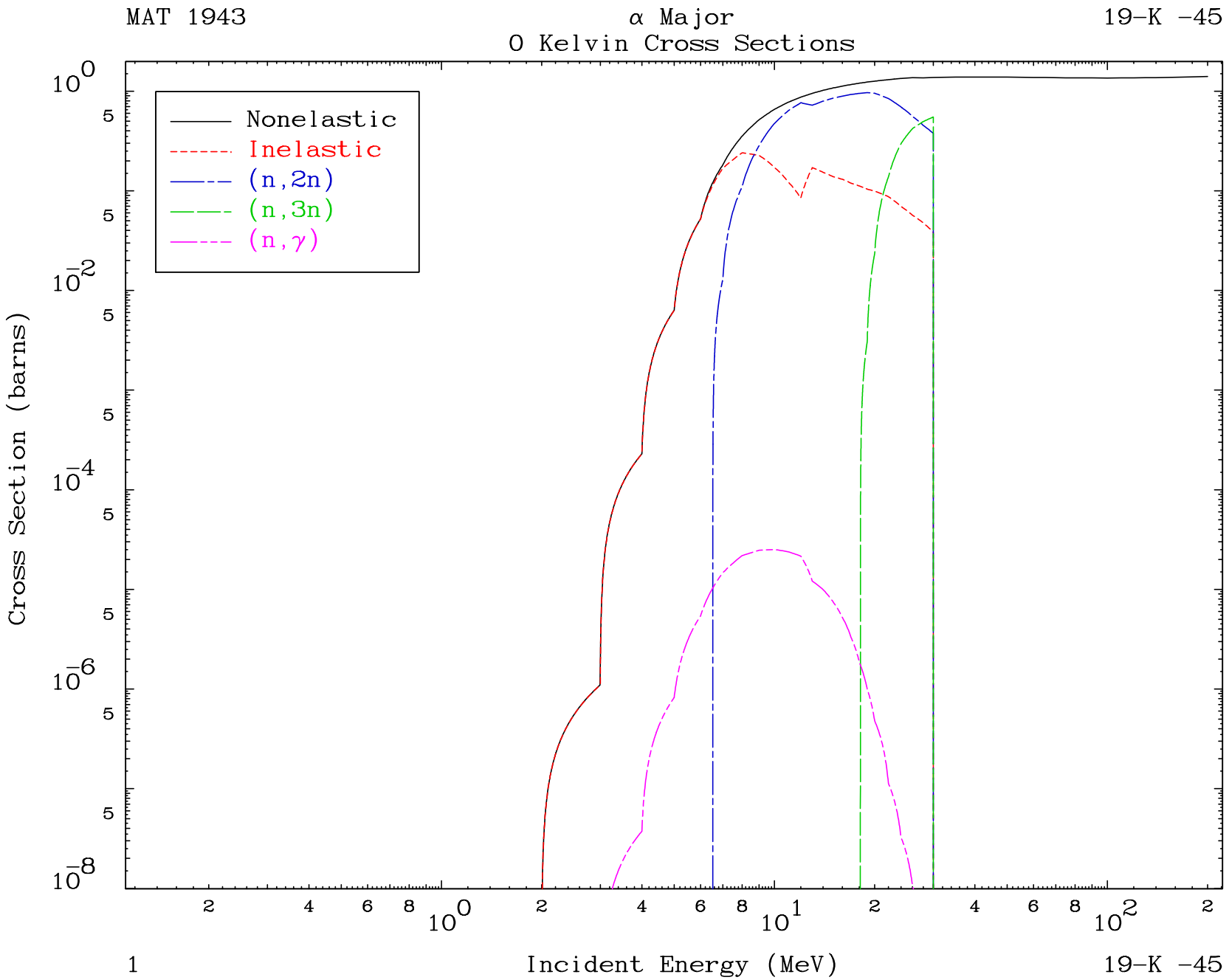
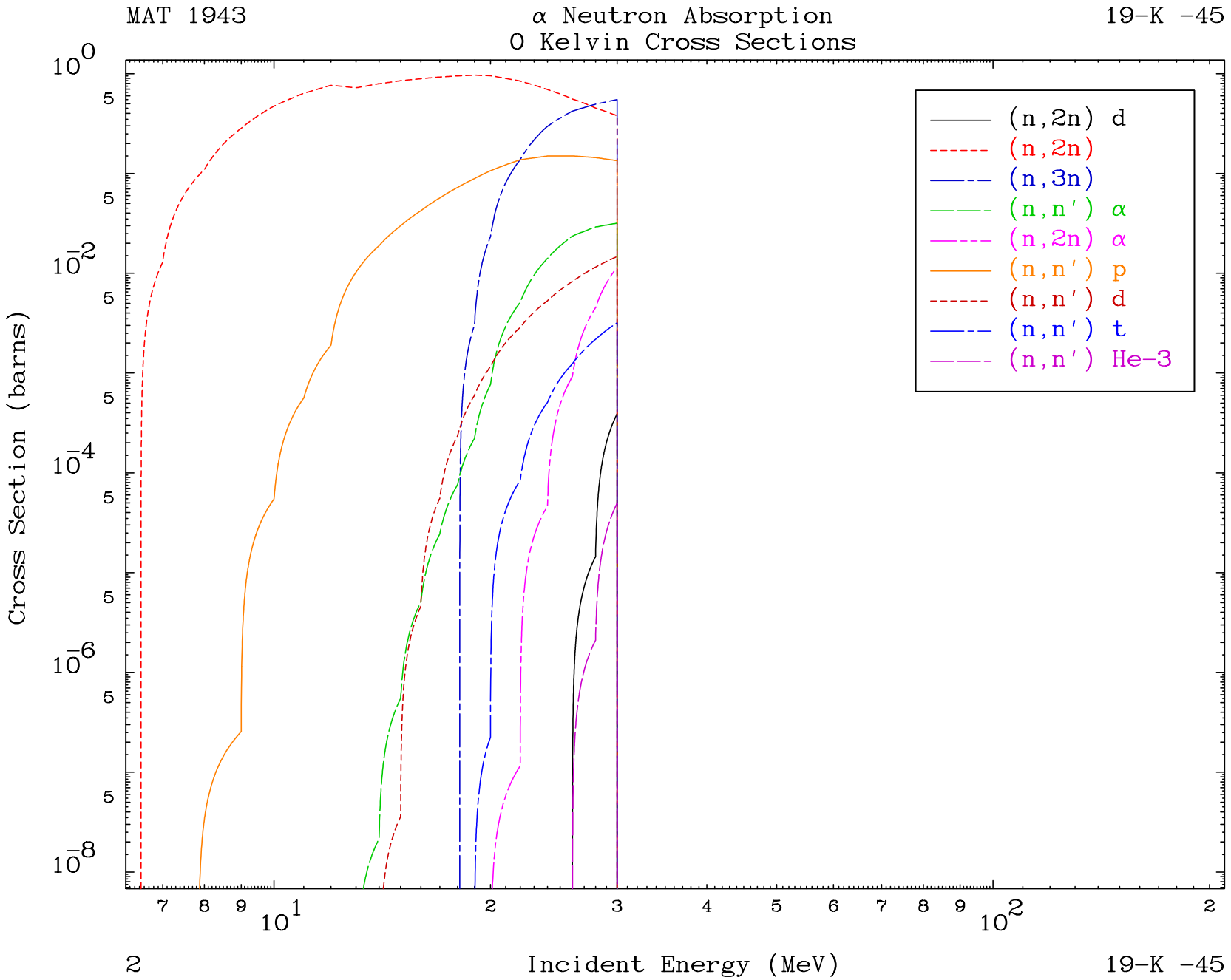
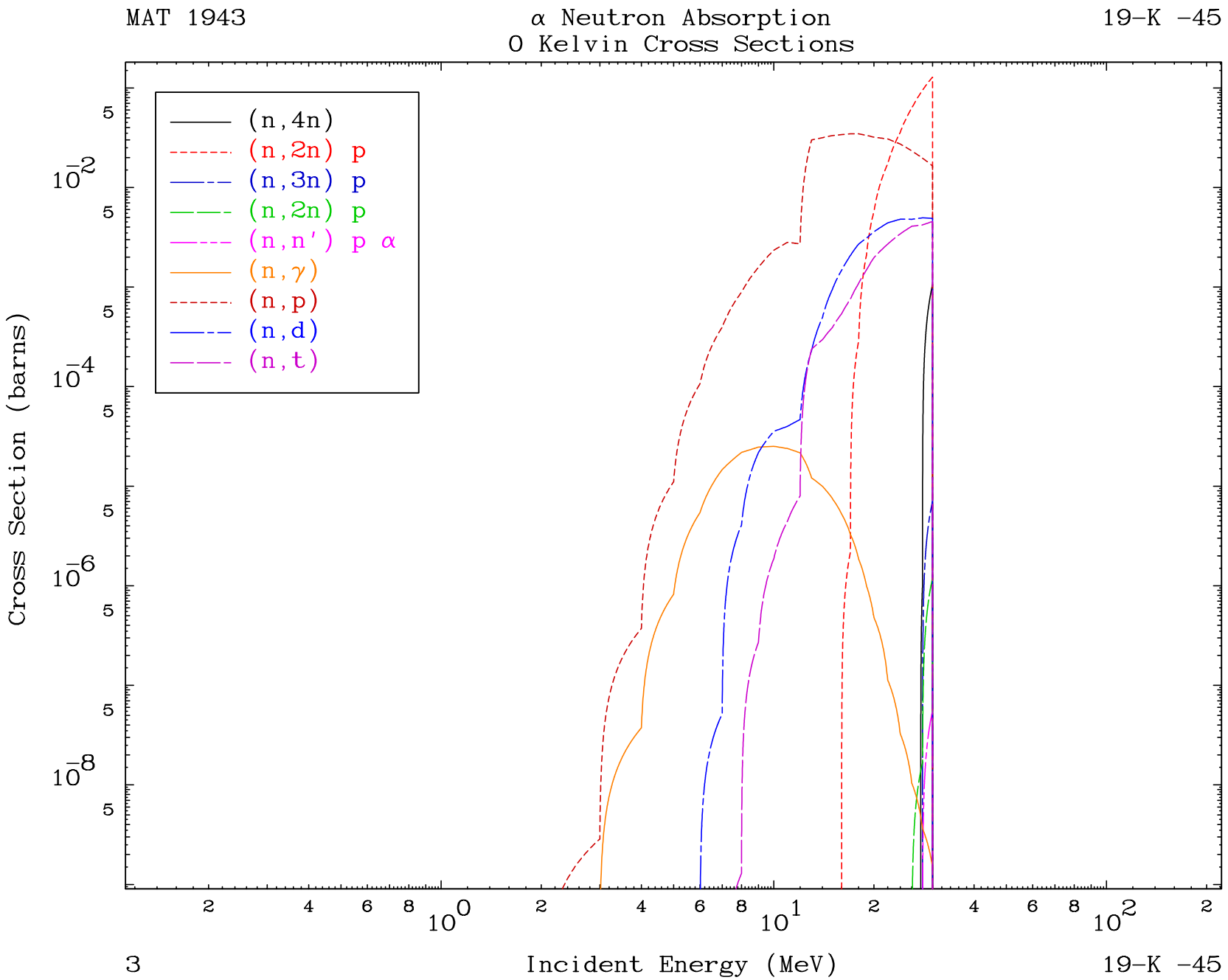
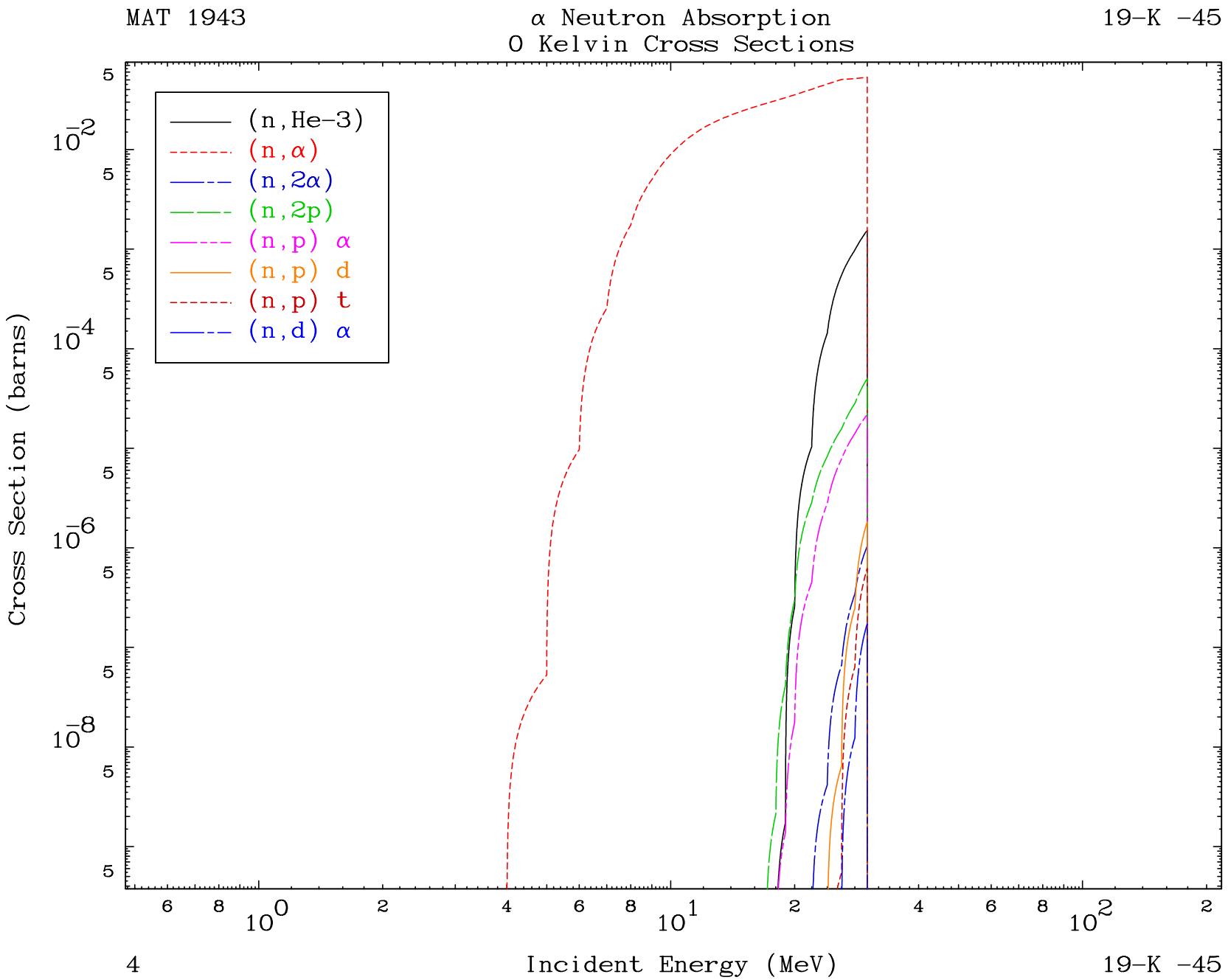
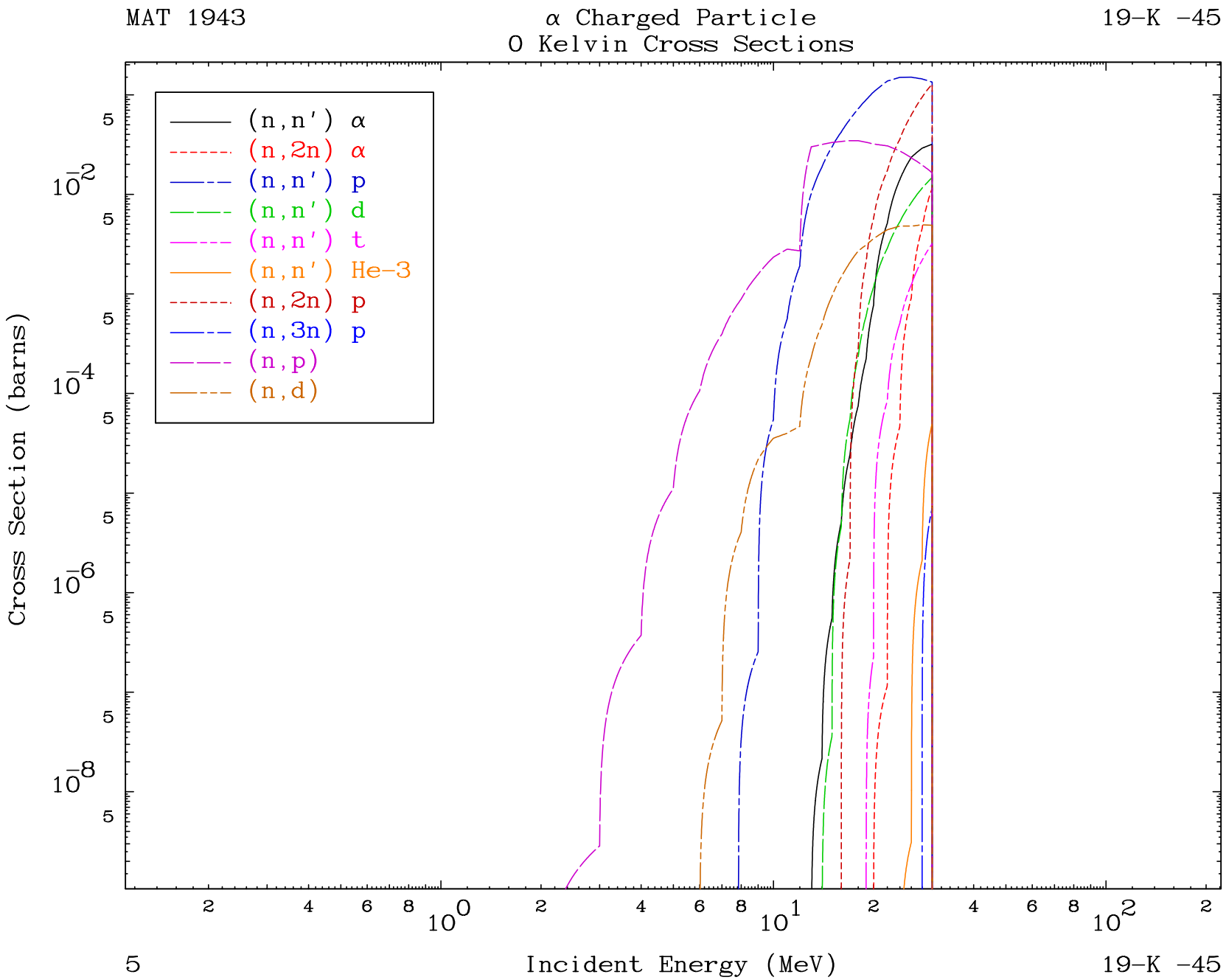
Press Mouse Button to Start

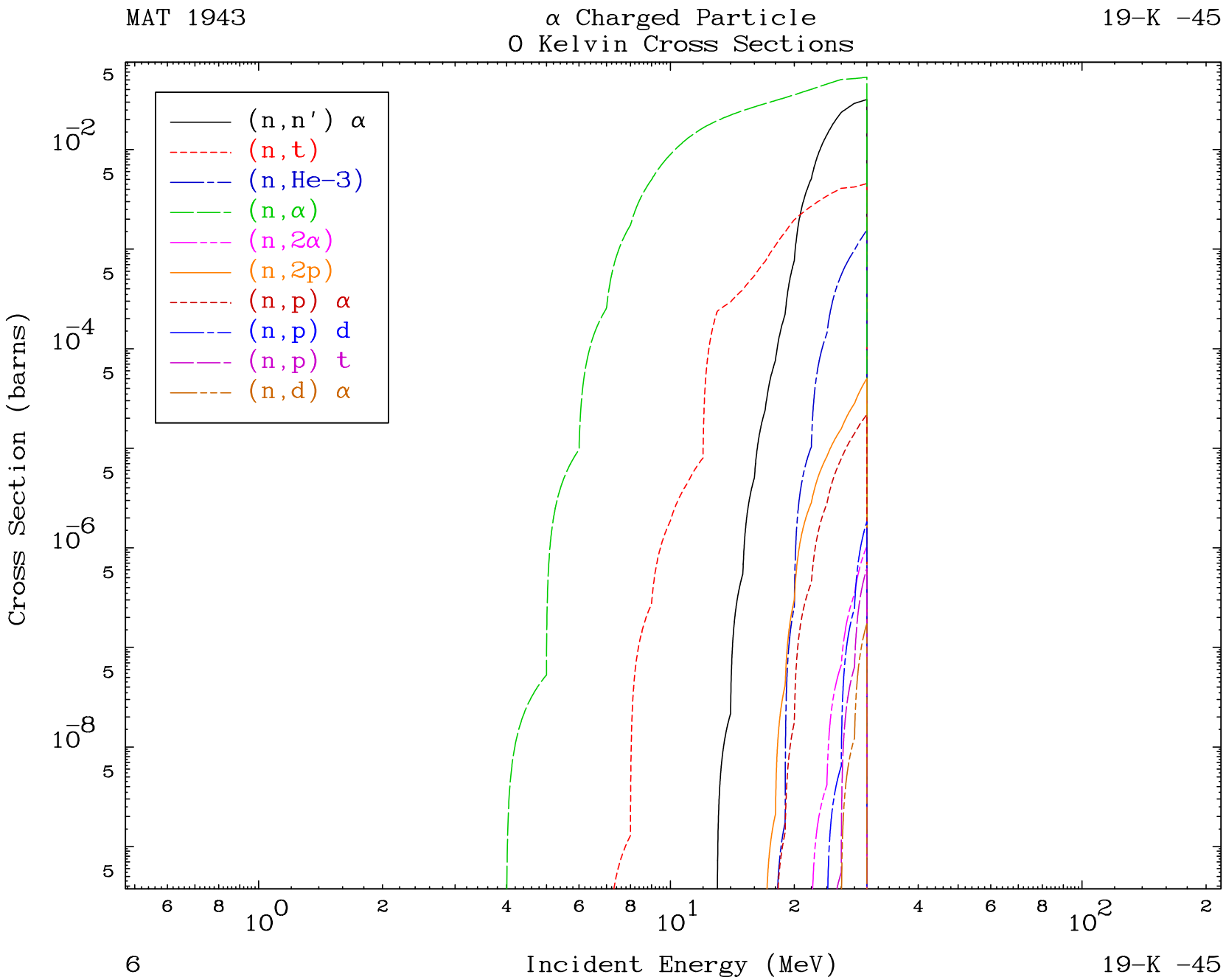

MAT 1943
α Major
19-K -45
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
19-K -45

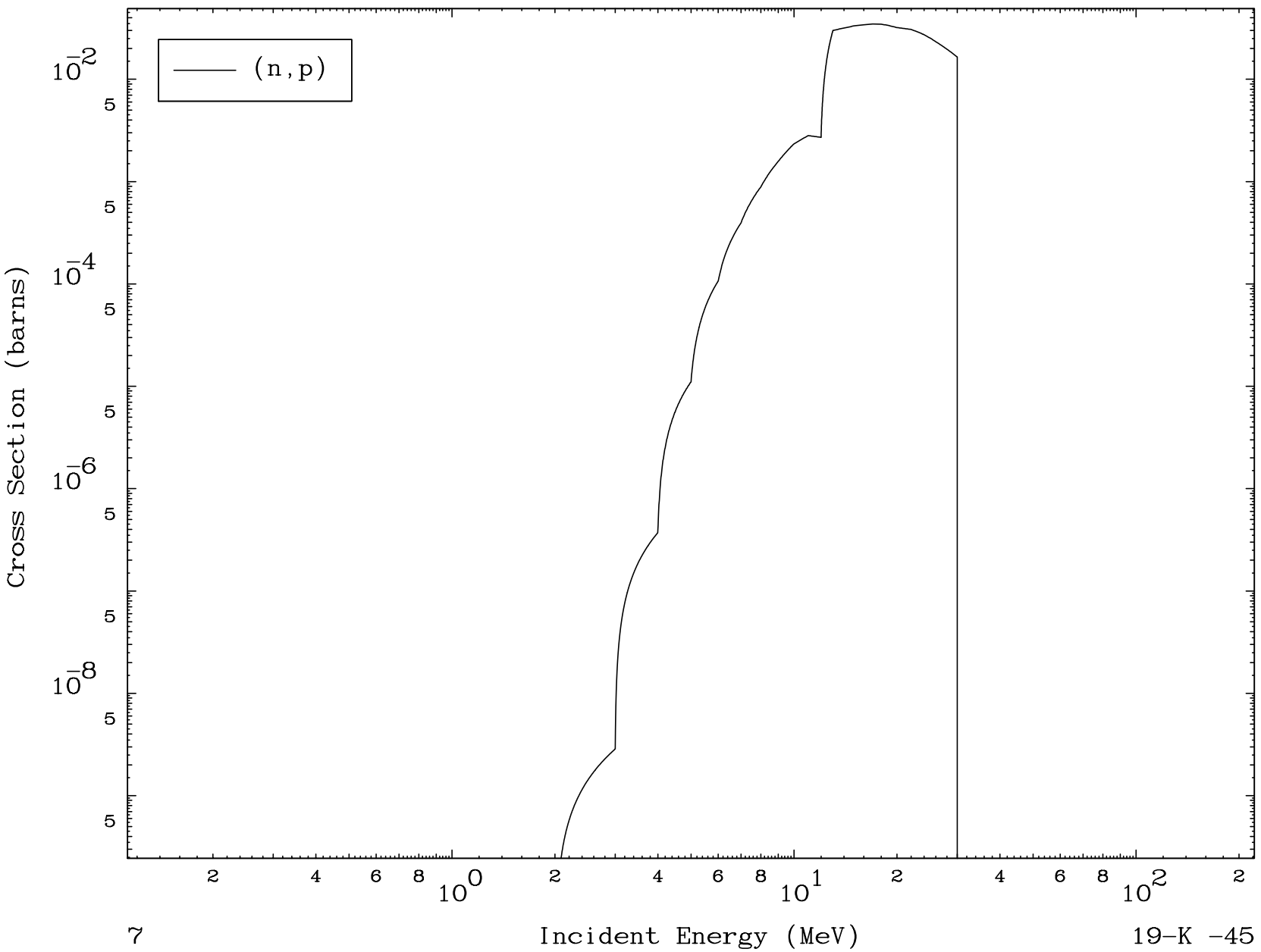

MAT 1943
α Neutron Absorption
0 Kelvin Cross Sections
19-K -45
Cross Section (barns)
Incident Energy (MeV)
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3

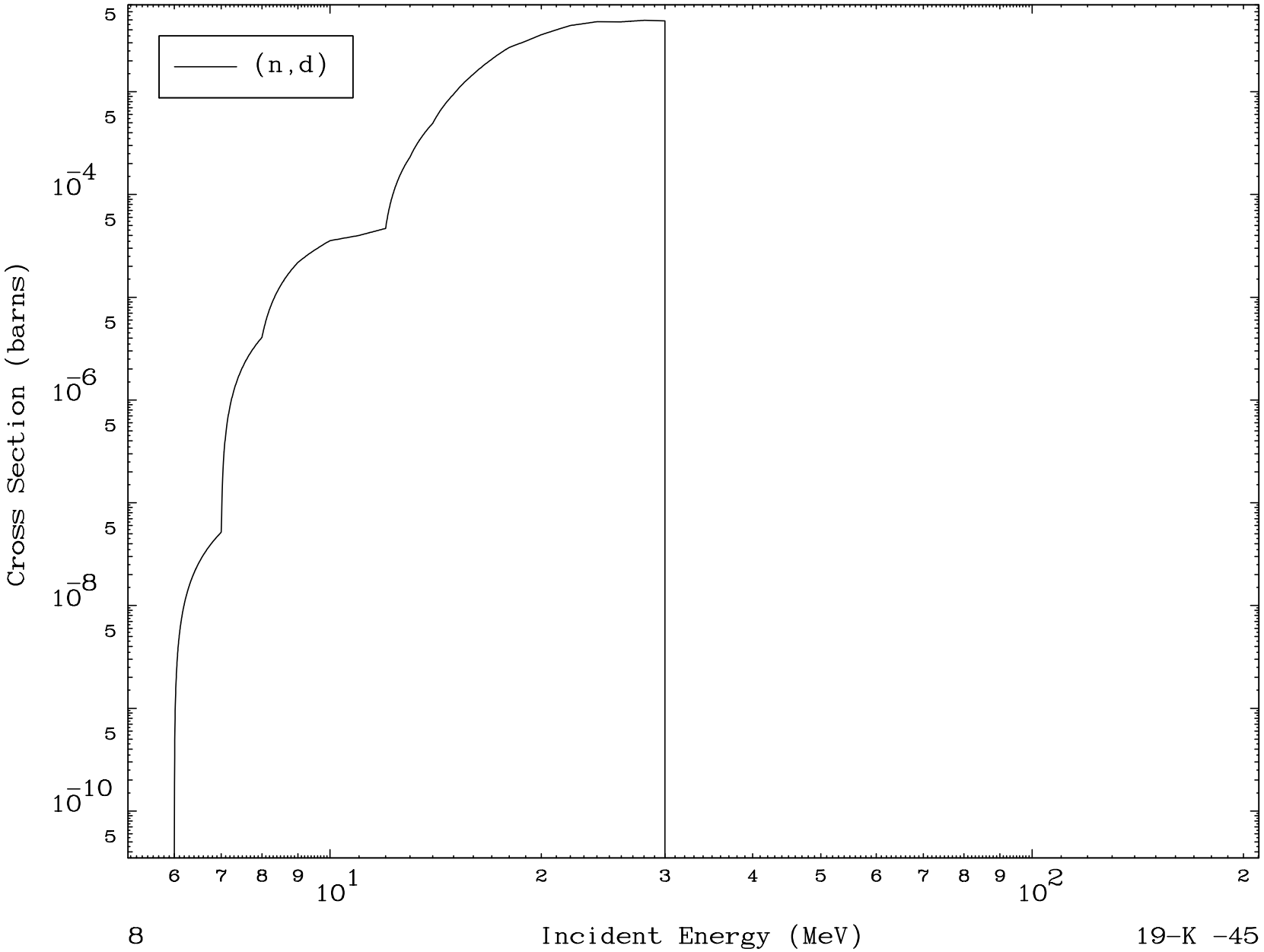

MAT 1943
α Neutron Absorption
0 Kelvin Cross Sections
19-K -45
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
3
Incident Energy (MeV)
19-K -45

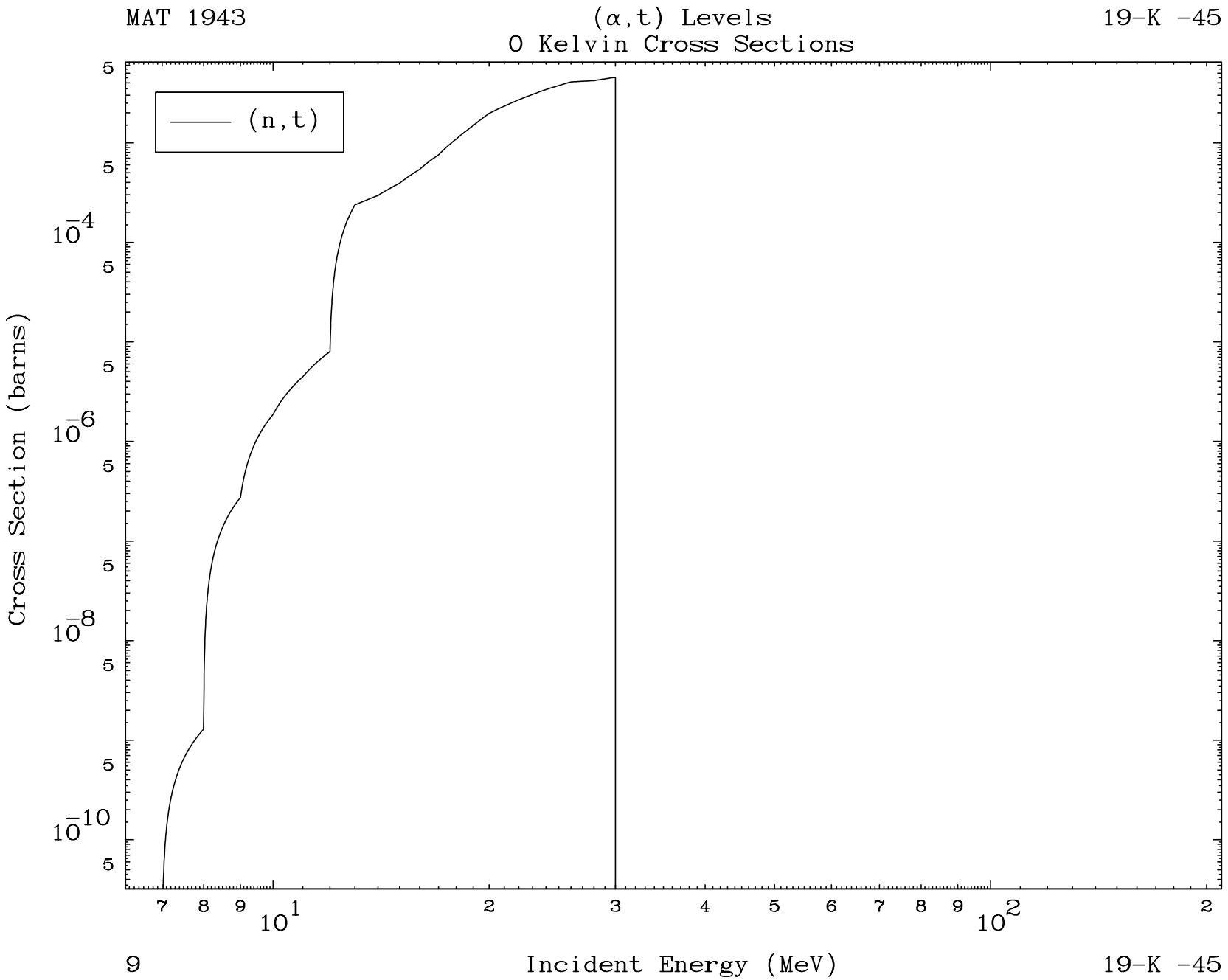

MAT 1943
α Neutron Absorption
0 Kelvin Cross Sections
19-K -45
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
19-K -45

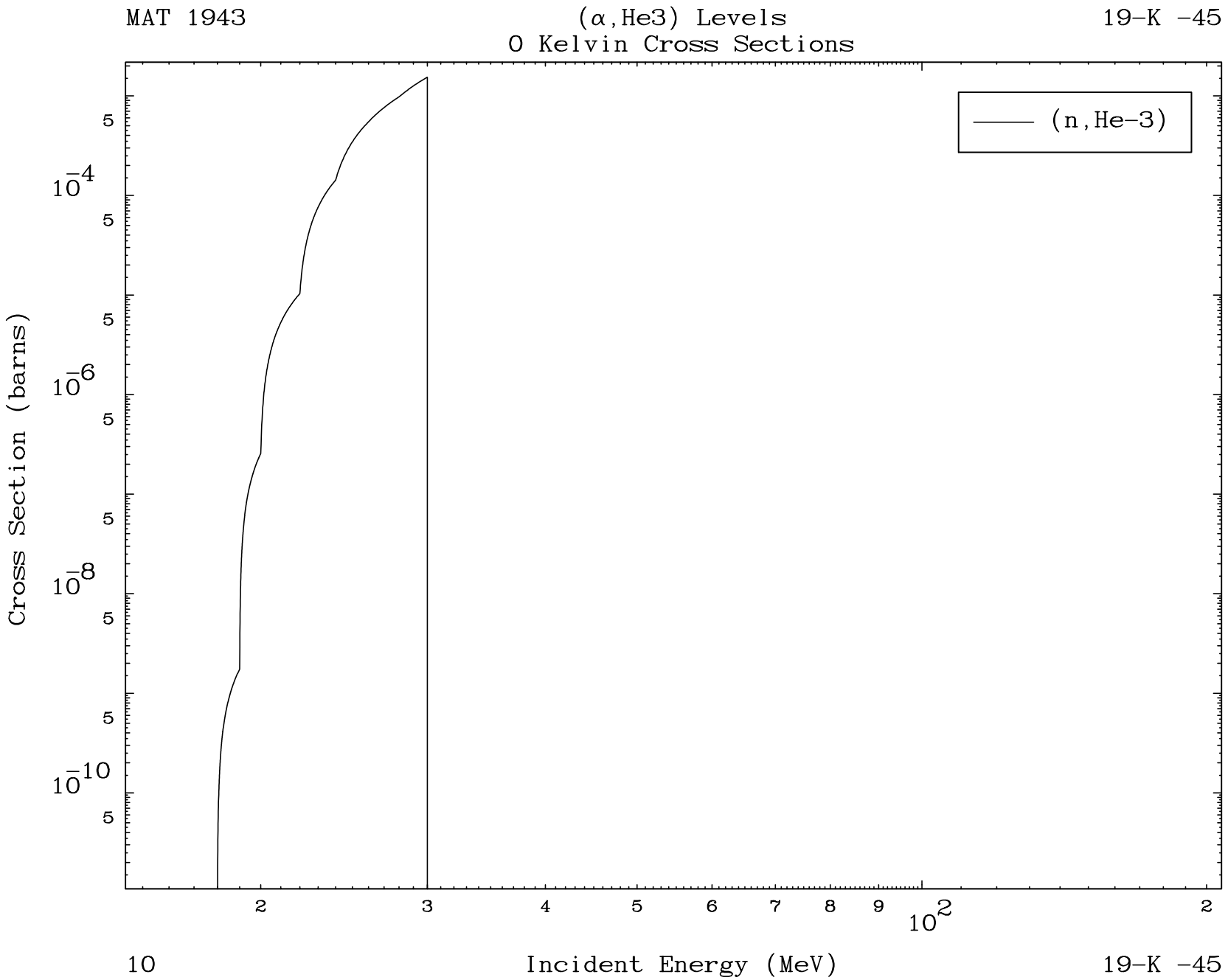

MAT 1943
α Charged Particle
0 Kelvin Cross Sections
19-K -45
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
5
19-K -45

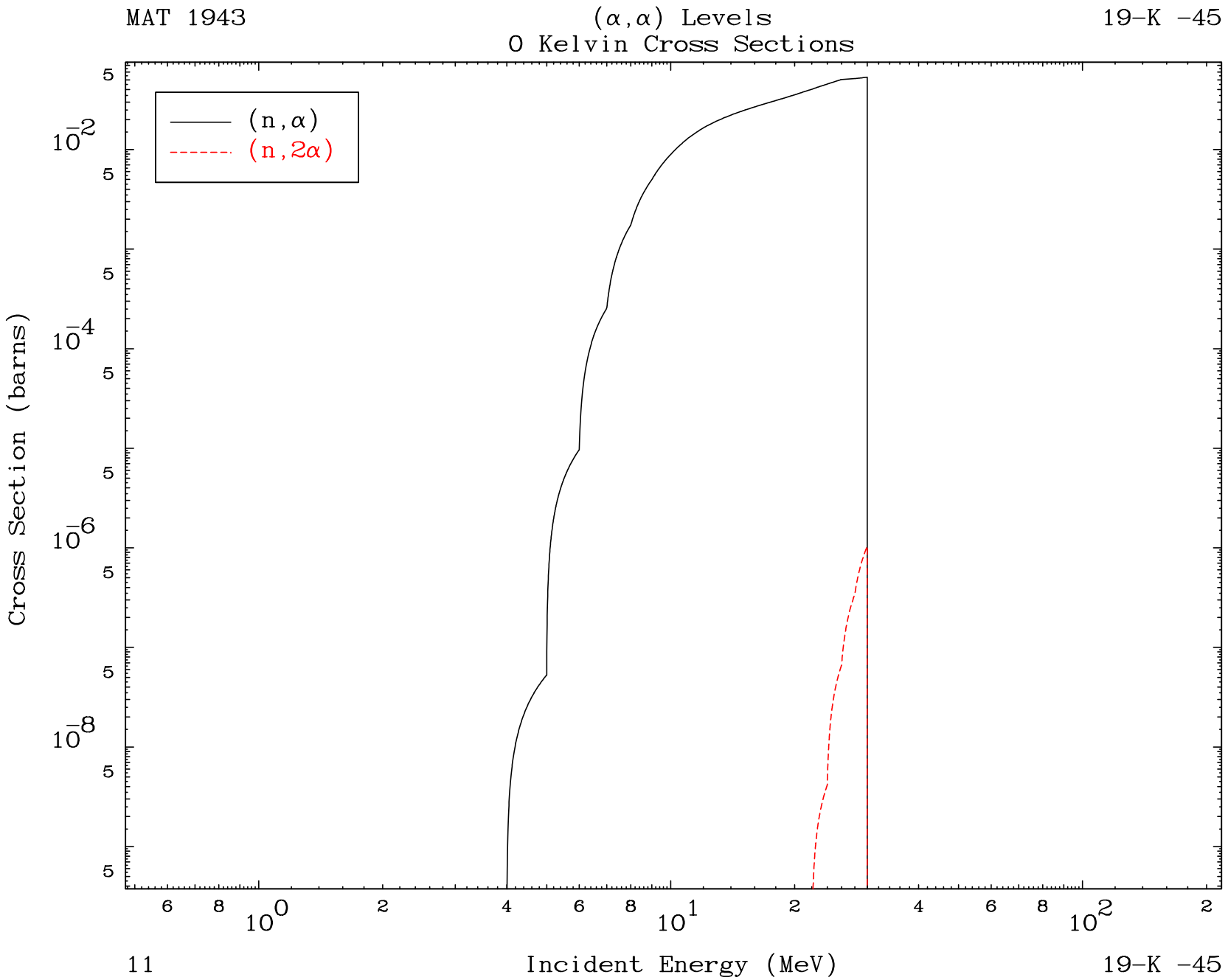

MAT 1943
α Charged Particle
0 Kelvin Cross Sections
19-K -45
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
19-K -45

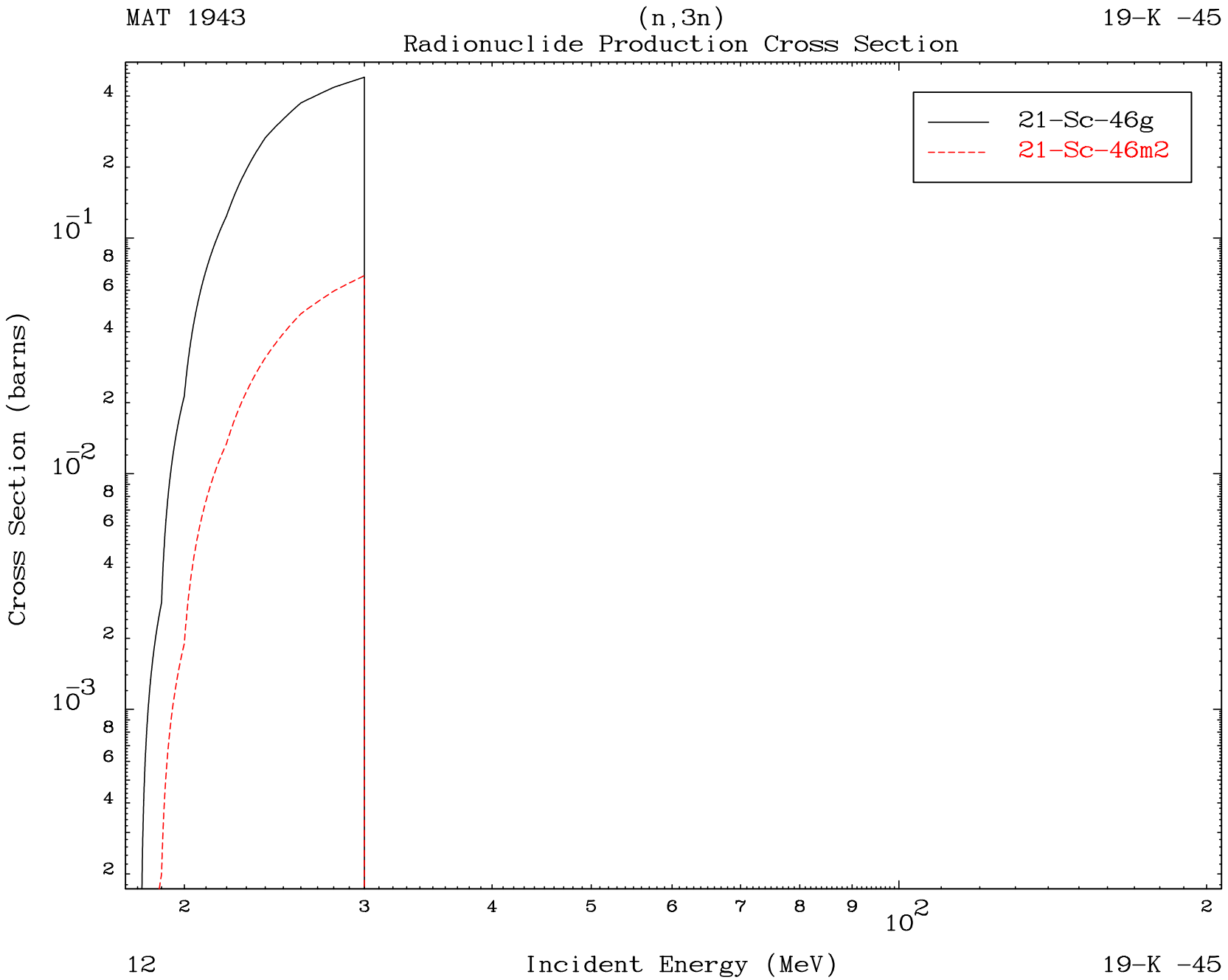

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
2 4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)

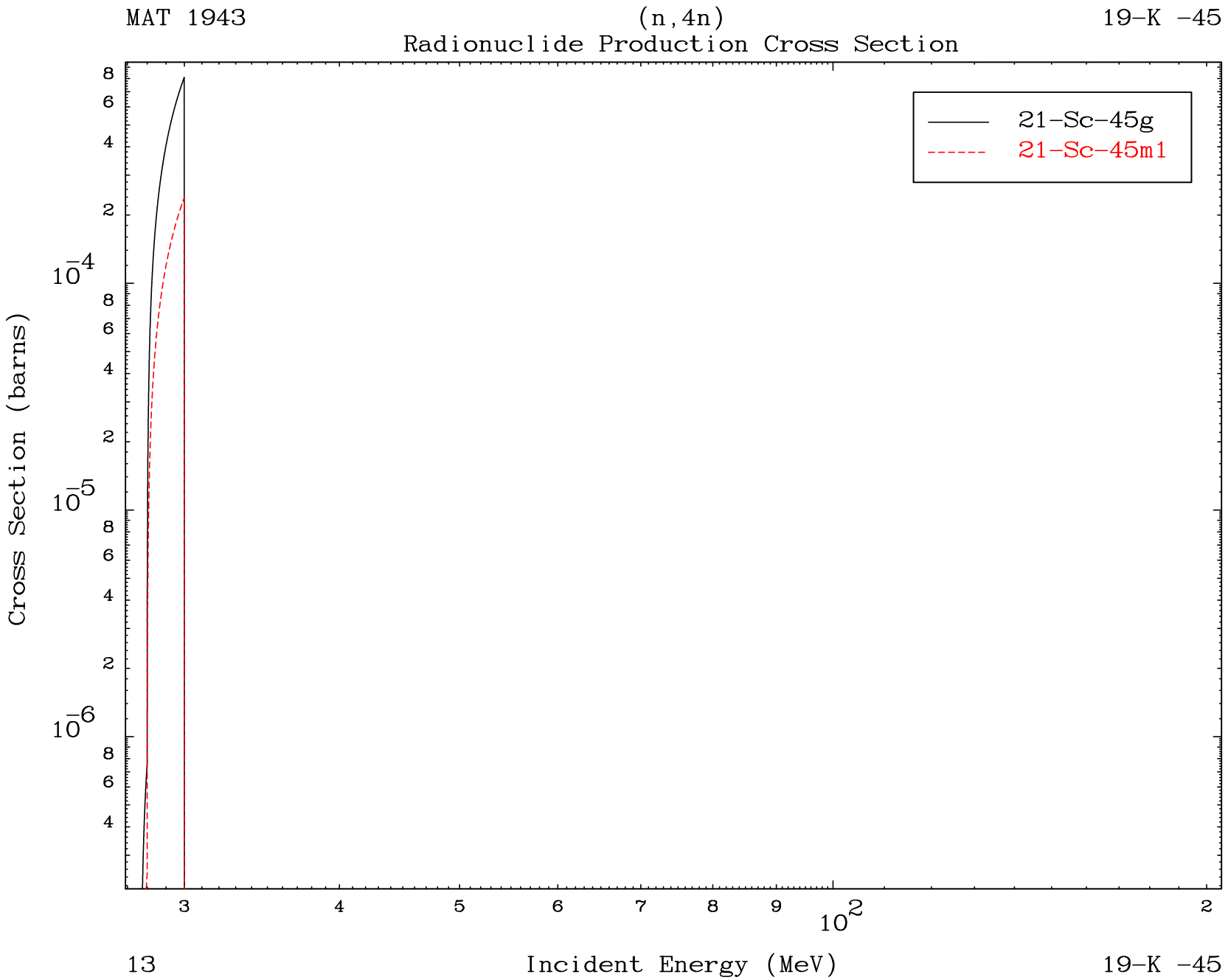

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)


MAT 1943
(α,t) Levels
19-K -45
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
9
19-K -45


MAT 1943
(α,He3) Levels
19-K -45
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
19-K -45


MAT 1943
(α,α) Levels
19-K -45
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
19-K -45


MAT 1943
(n,3n)
19-K -45
Radionuclide Production Cross Section
21-Sc-46g
21-Sc-46m2
Cross Section (barns)
Incident Energy (MeV)
12
19-K -45


MAT 1943
(n,4n)
19-K -45
Radionuclide Production Cross Section
21-Sc-45g
21-Sc-45m1
Cross Section (barns)
10^-4
10^-5
10^-6
8
6
4
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
19-K -45