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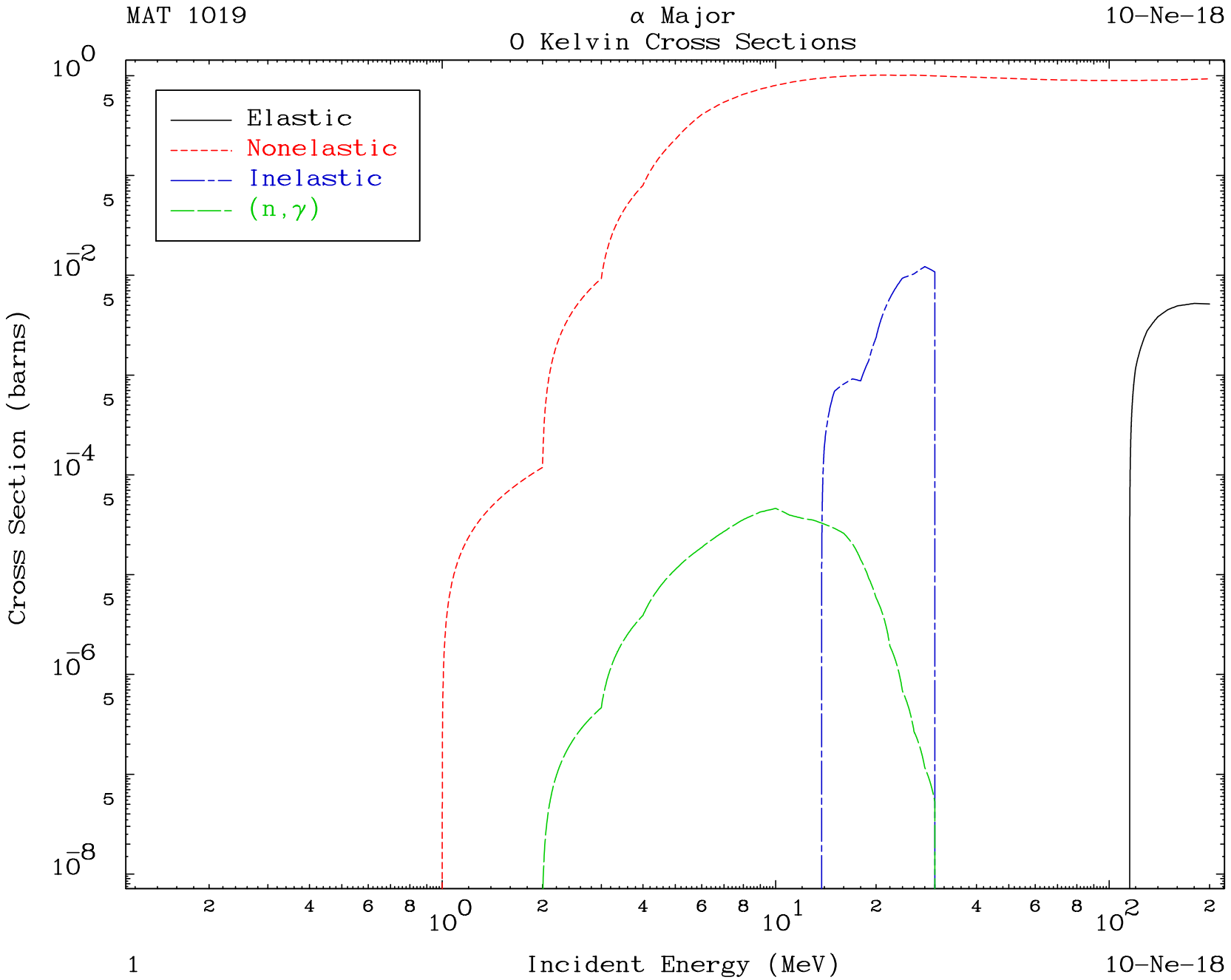
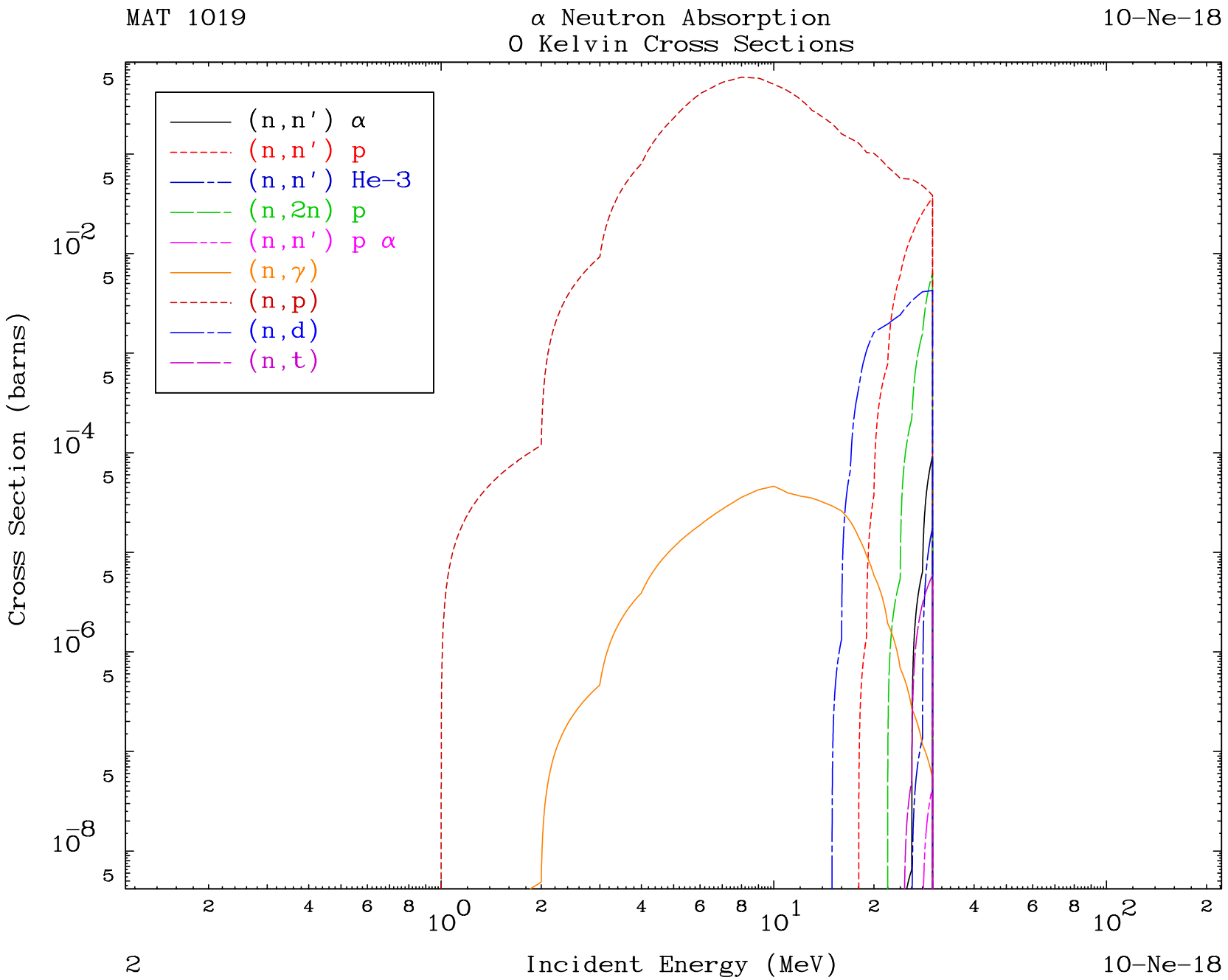
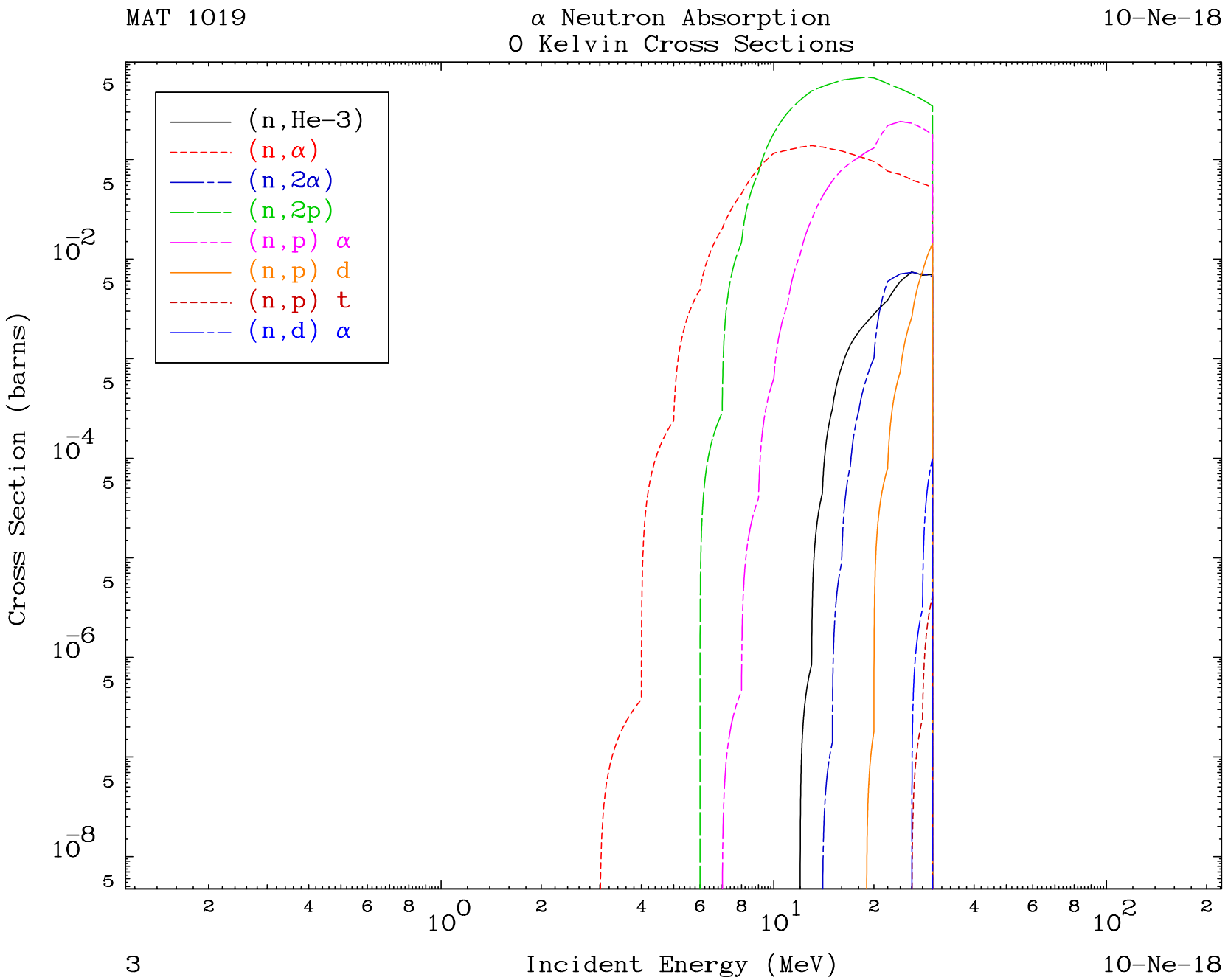
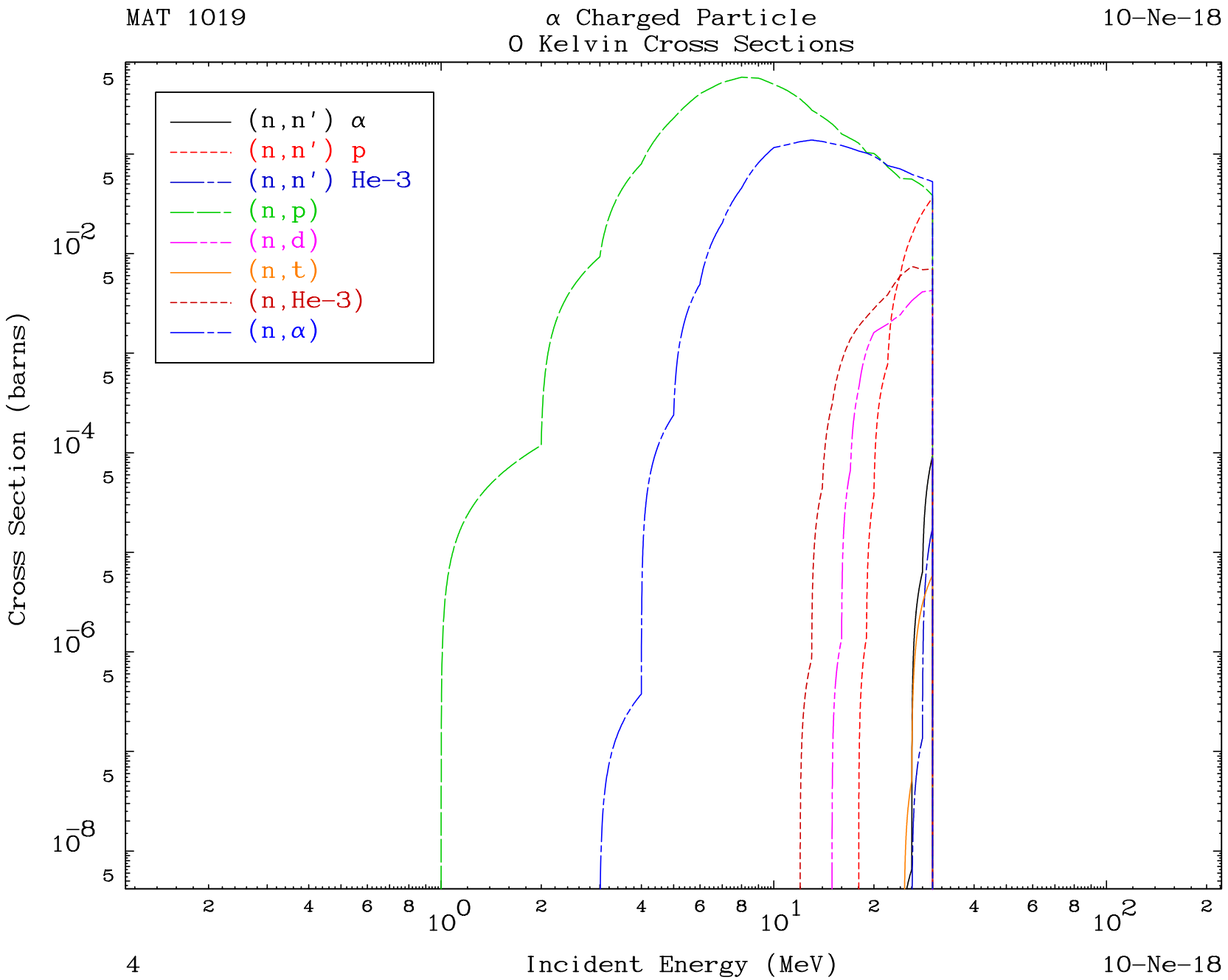
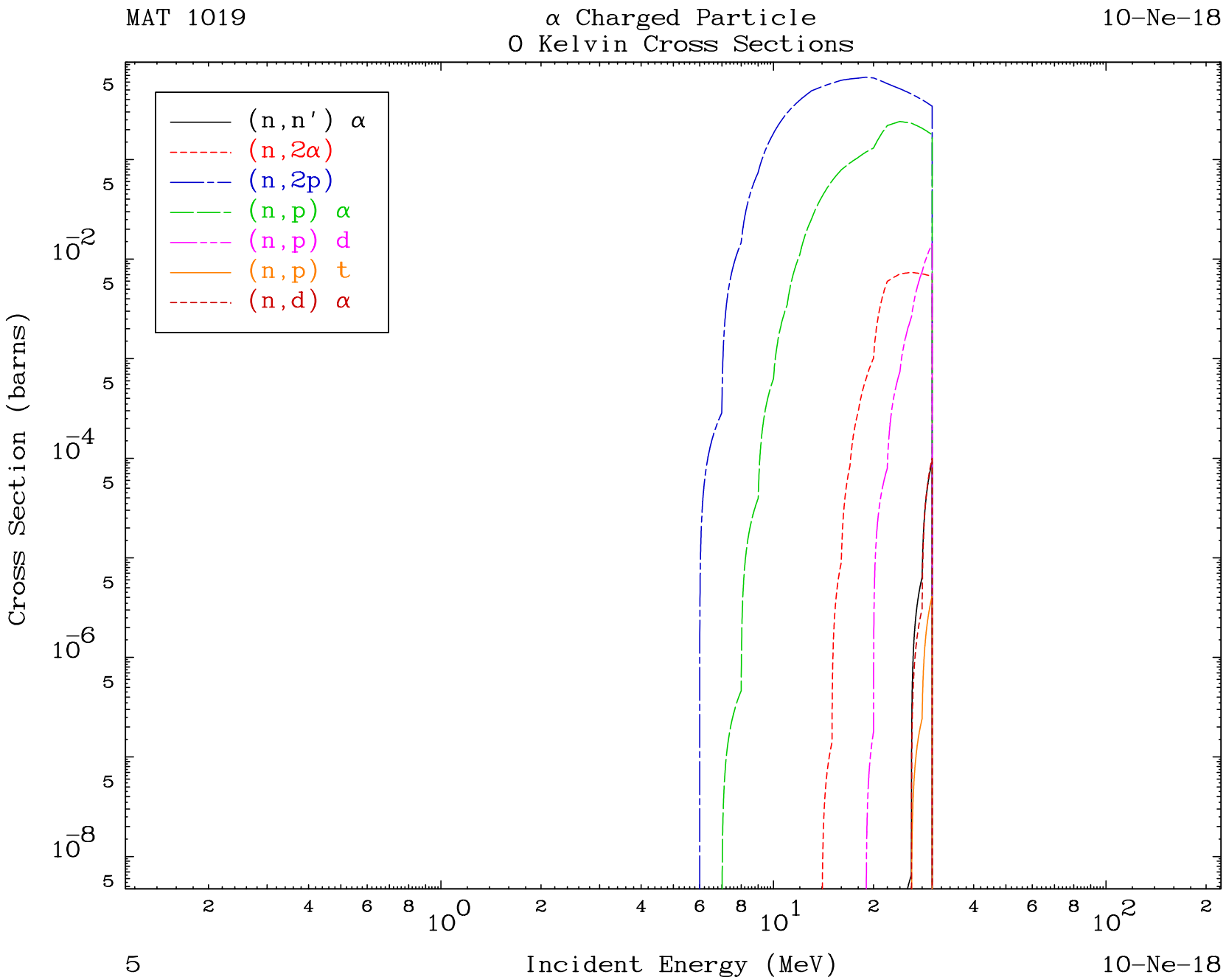
Press Mouse Button to Start

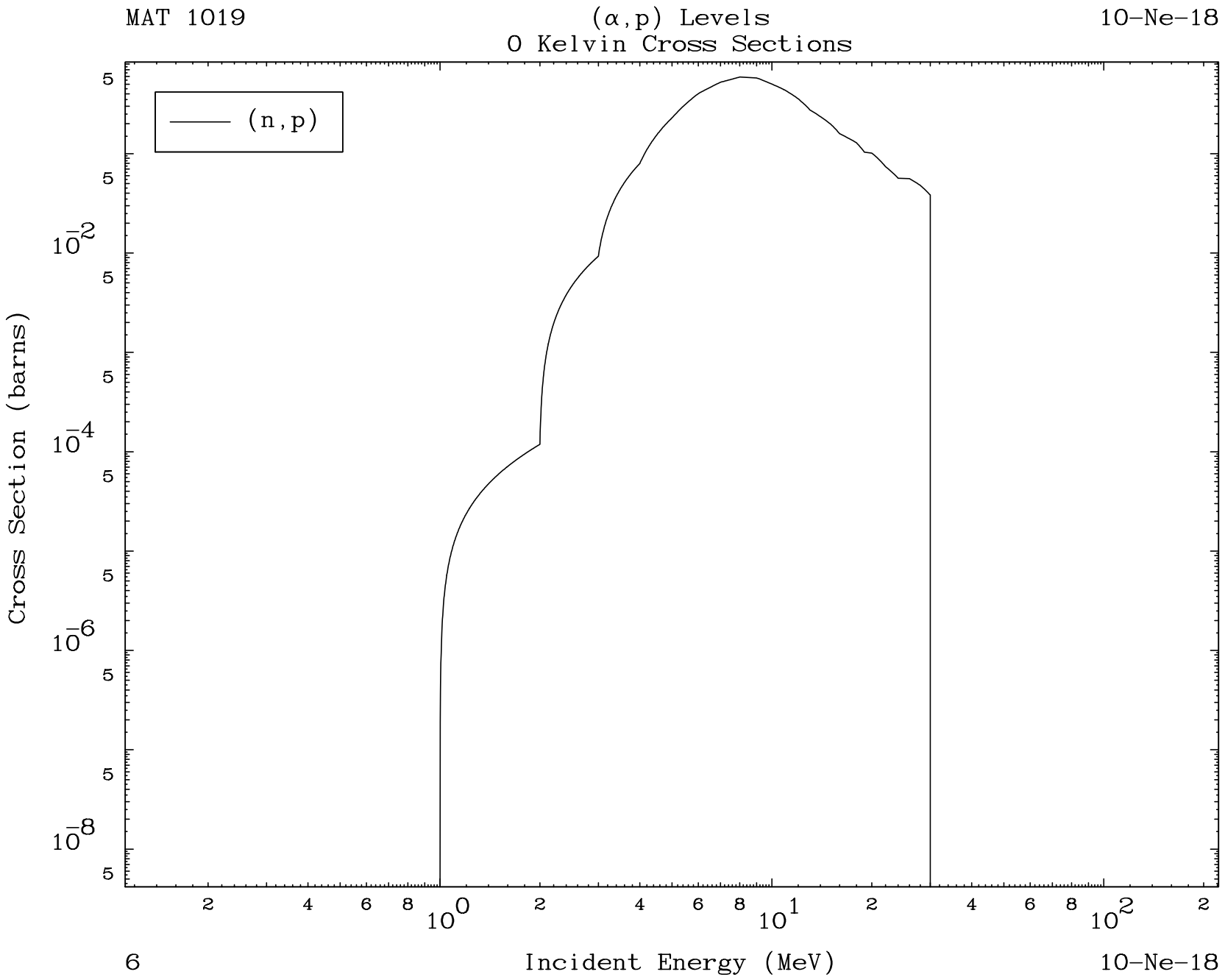

MAT 1019
α Major
10-Ne-18
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
10-Ne-18

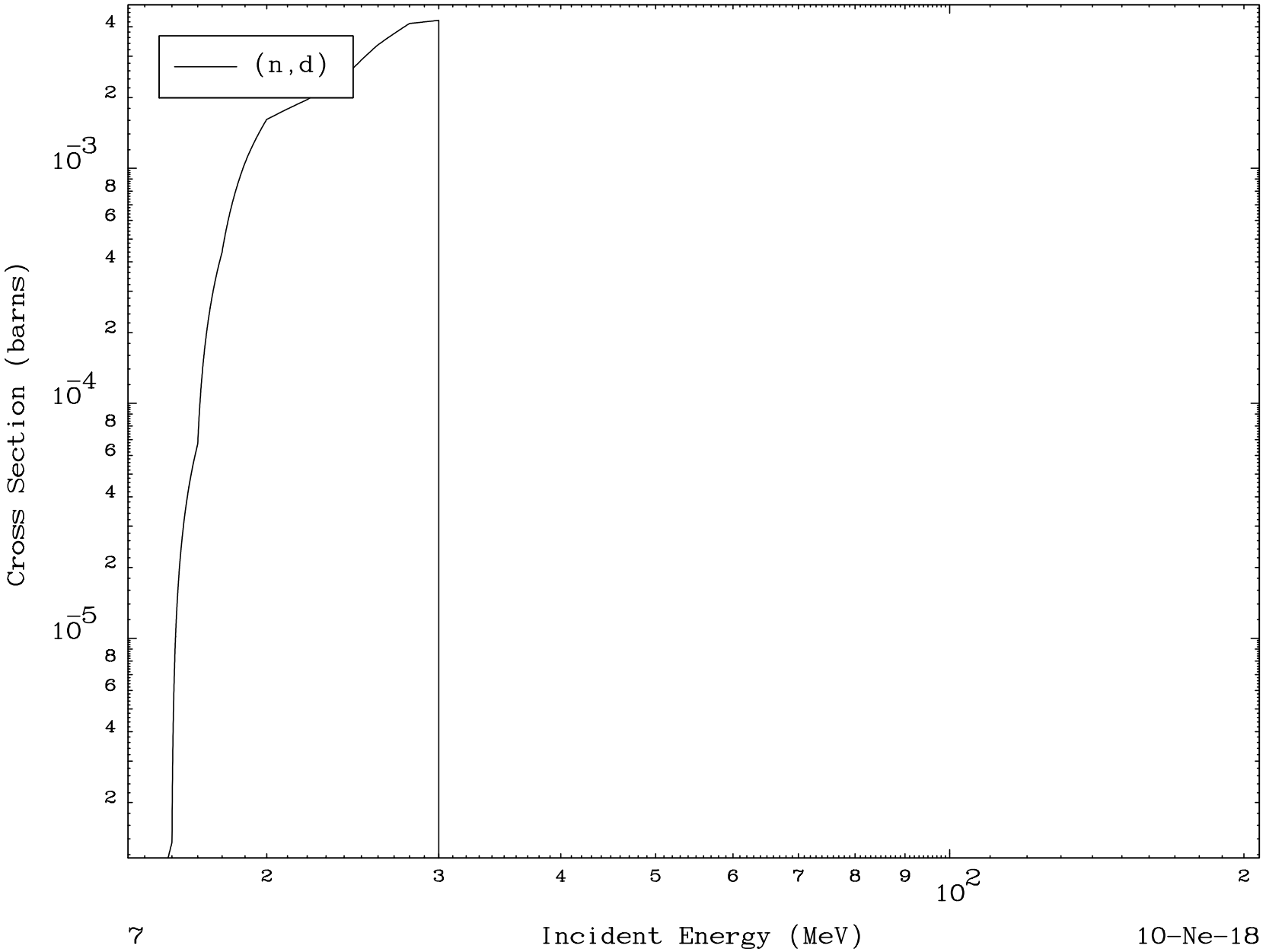

MAT 1019
α Neutron Absorption
0 Kelvin Cross Sections
10-Ne-18
(n,n') α
(n,n') p
(n,n') He-3
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
2
10-Ne-18


MAT 1019
α Neutron Absorption
0 Kelvin Cross Sections
10-Ne-18
(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)
3
10-Ne-18

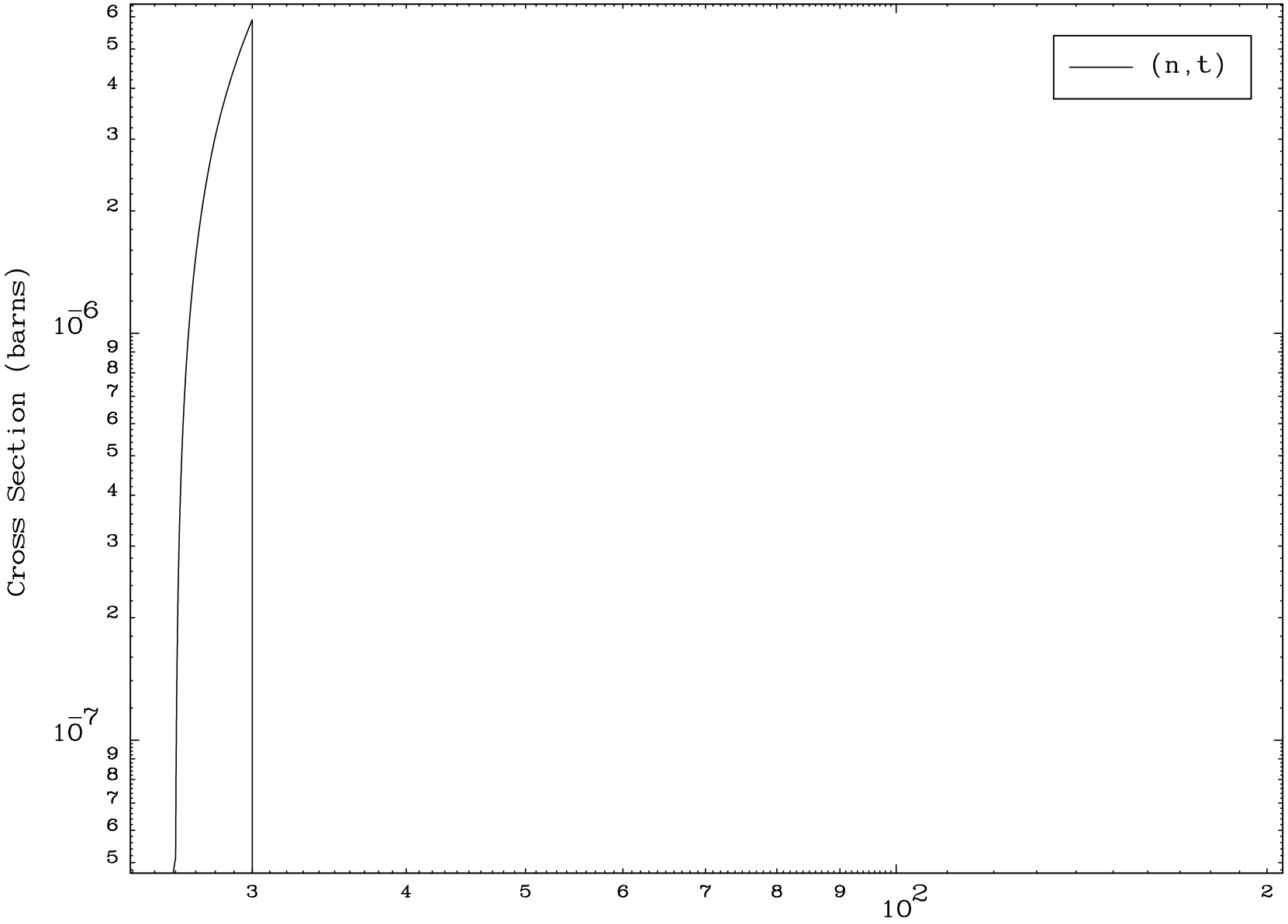

MAT 1019
α Charged Particle
0 Kelvin Cross Sections
10-Ne-18
(n,n') α
(n,n') p
(n,n') He-3
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
10-Ne-18

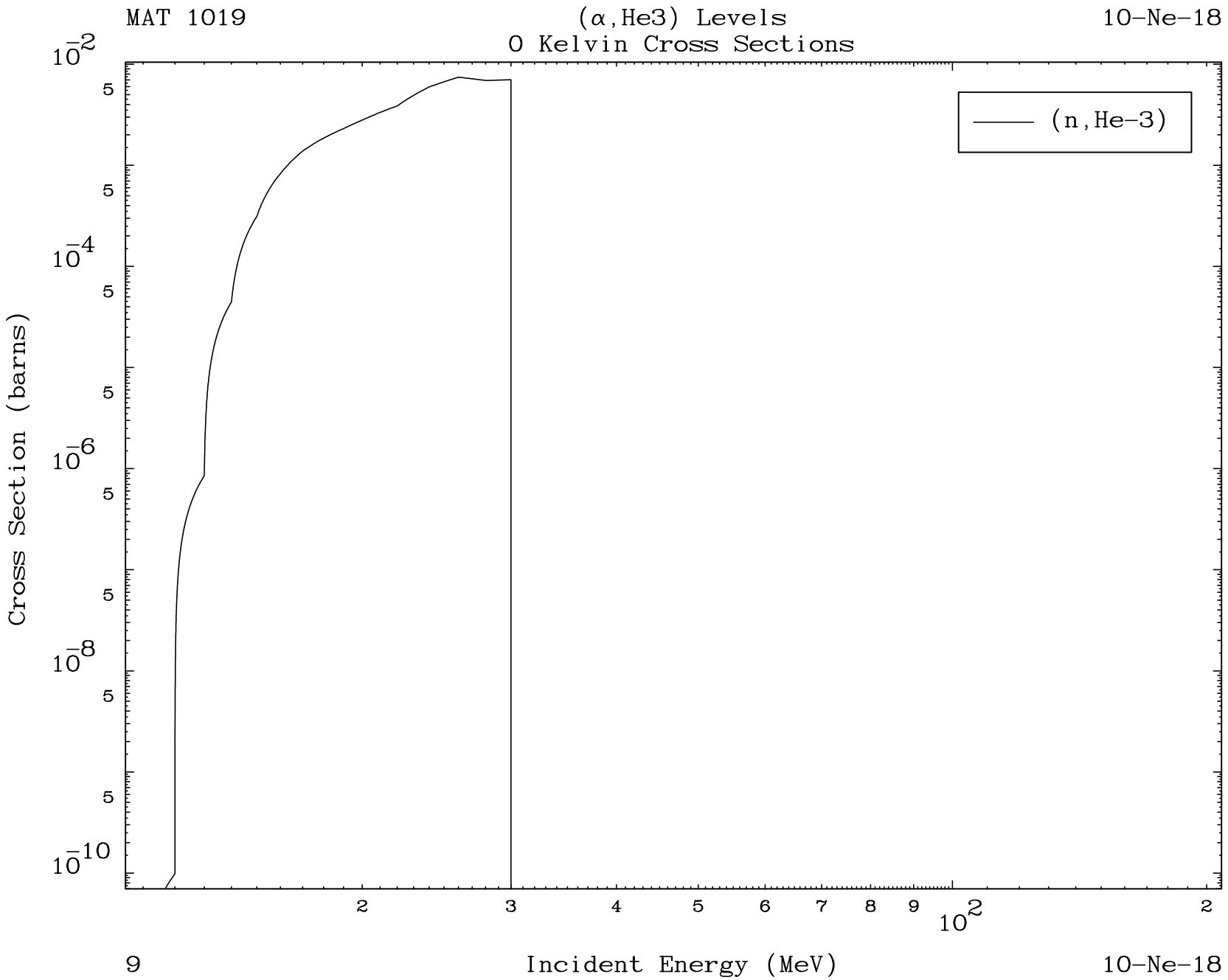

MAT 1019
α Charged Particle
0 Kelvin Cross Sections
10-Ne-18
(n,n') α
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
5
10-Ne-18

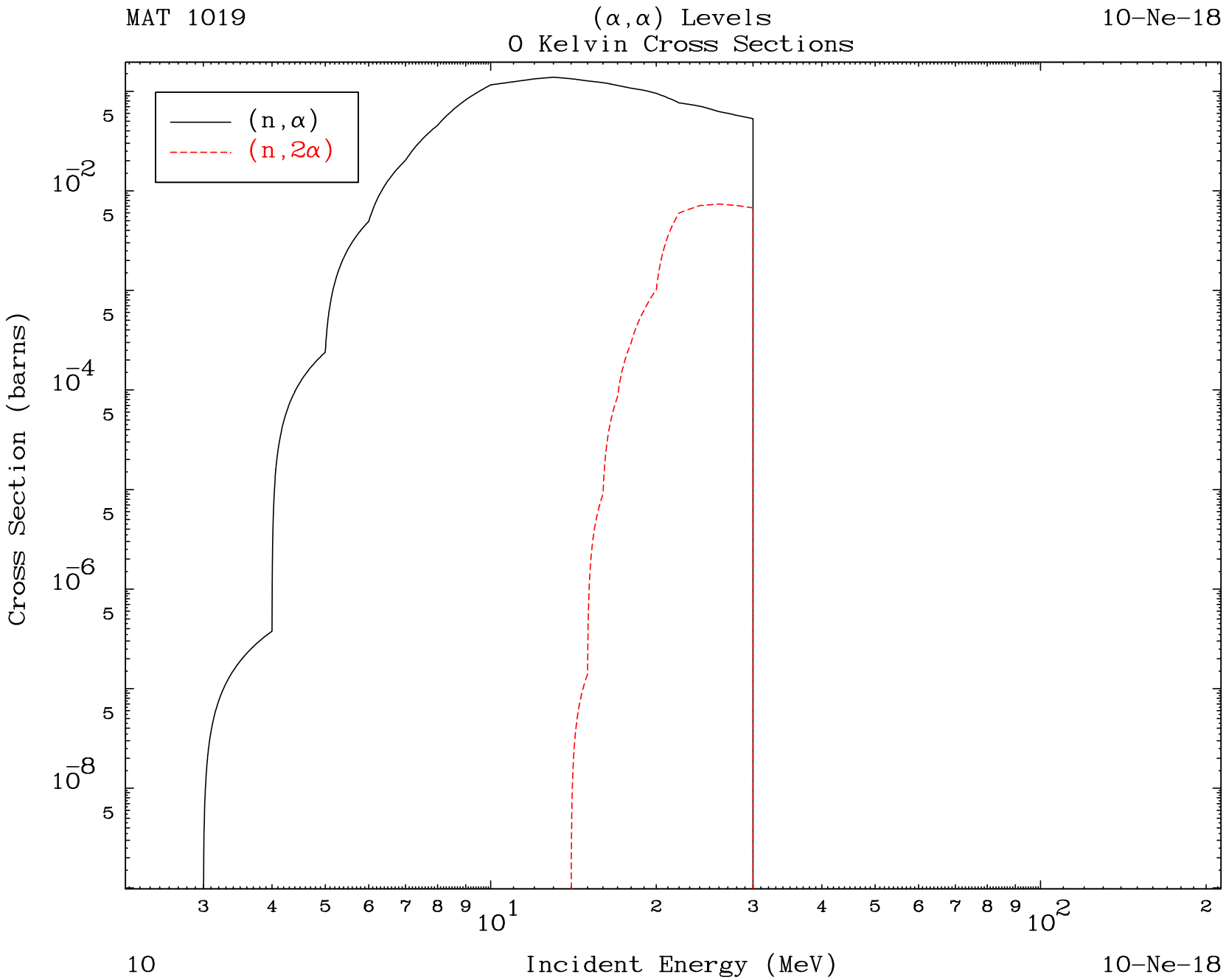

MAT 1019
(α,p) Levels
10-Ne-18
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
10-Ne-18

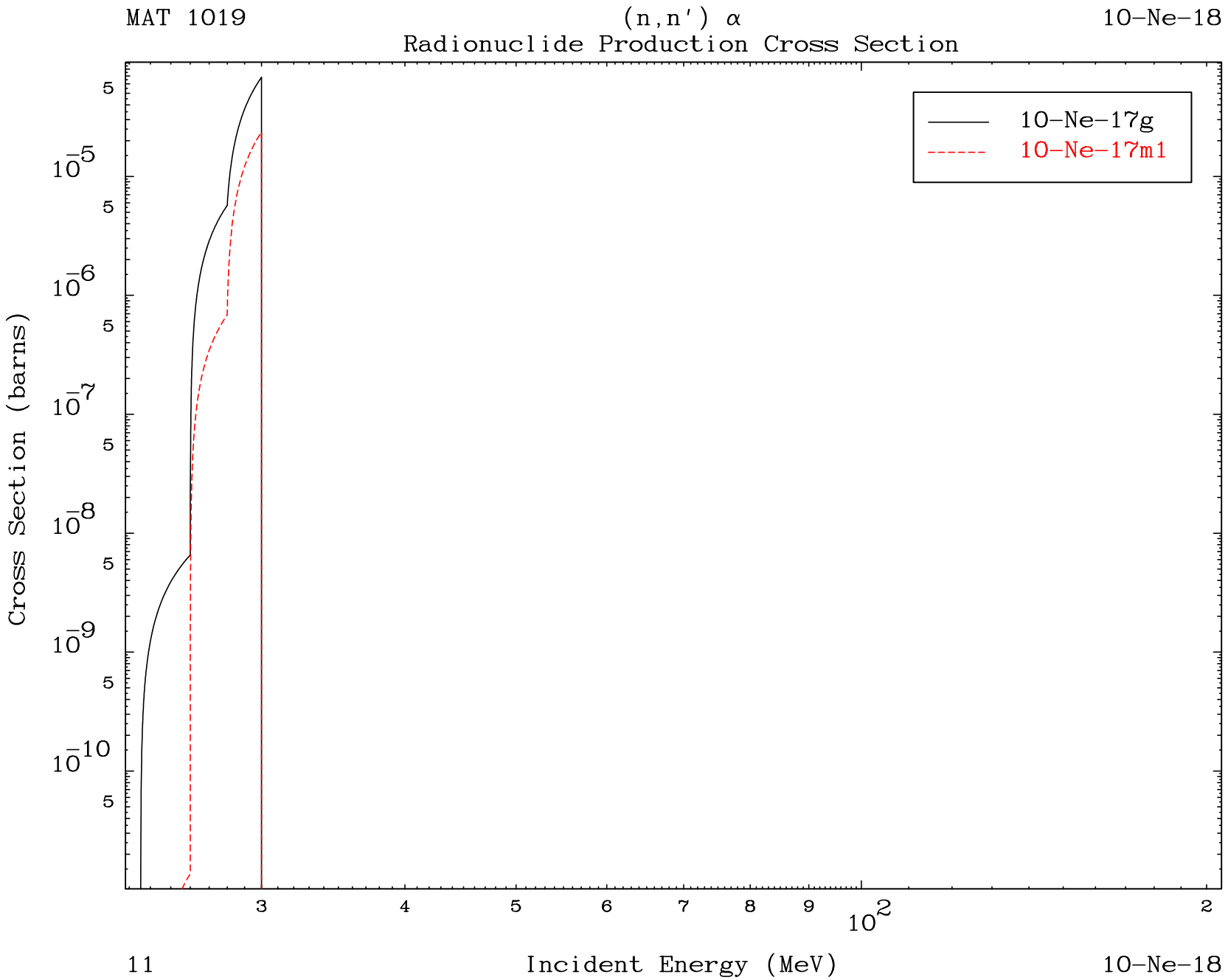

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-3
10-4
10-5
2
3
4
5
6
7
8
9
10+2
Incident Energy (MeV)

0 Kelvin Cross Sections




MAT 1019
(α,He3) Levels
10-Ne-18
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
10-Ne-18


MAT 1019
(α,α) Levels
10-Ne-18
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸
10
10¹
10²
Incident Energy (MeV)
10-Ne-18


MAT 1019
(n,n') α
10-Ne-18
Radionuclide Production Cross Section
10-Ne-17g
10-Ne-17m1
Cross Section (barns)
Incident Energy (MeV)
11
10-Ne-18