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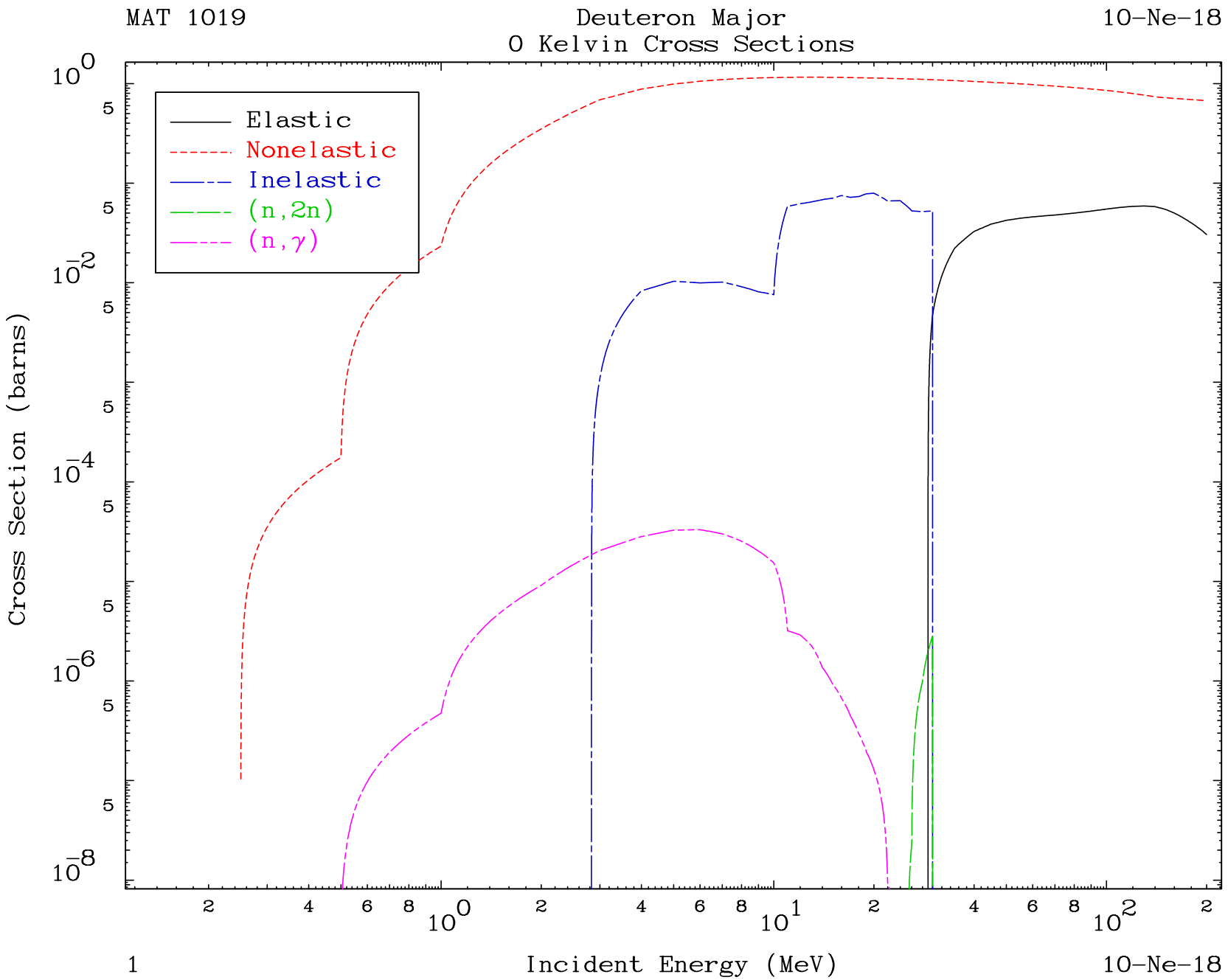
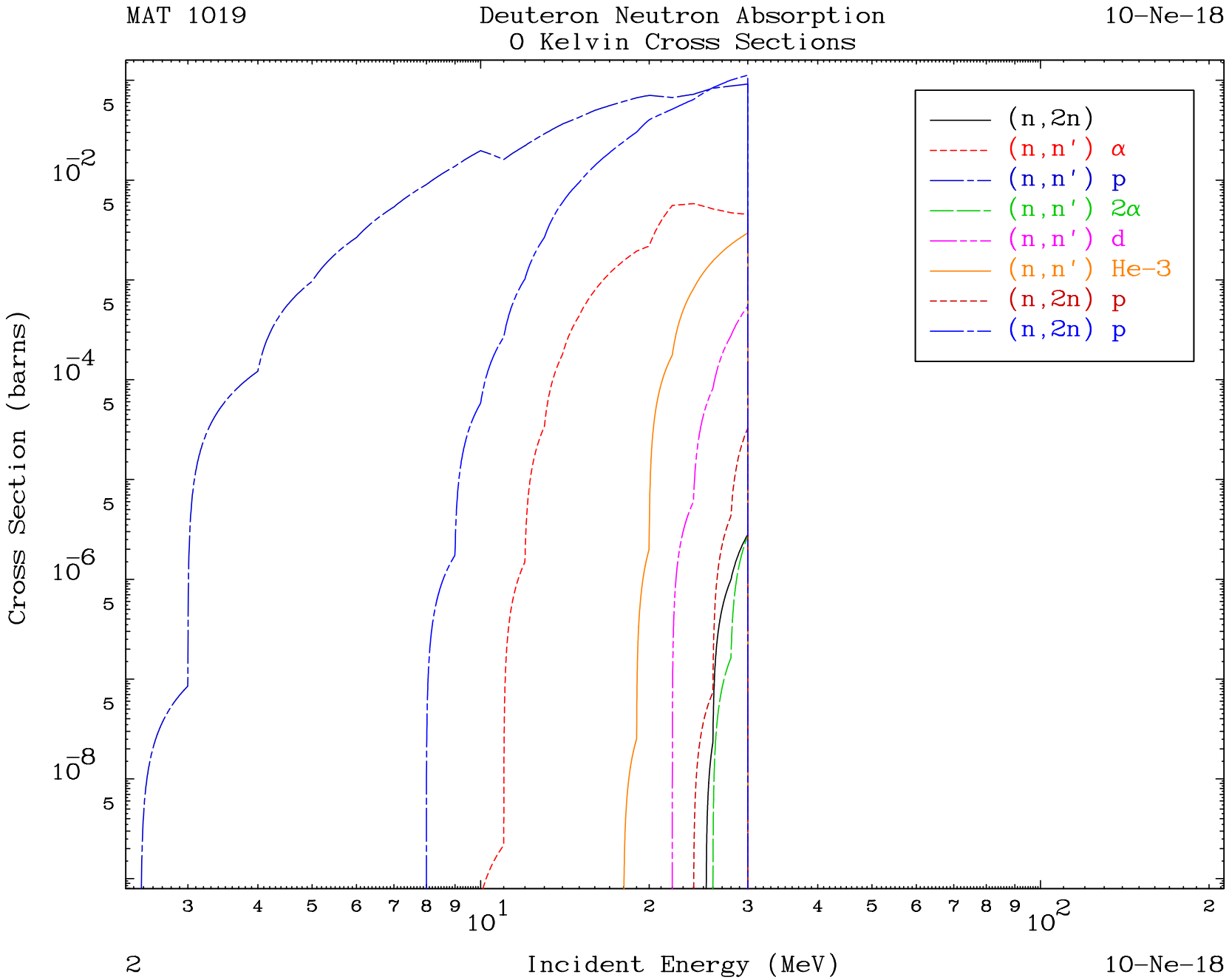
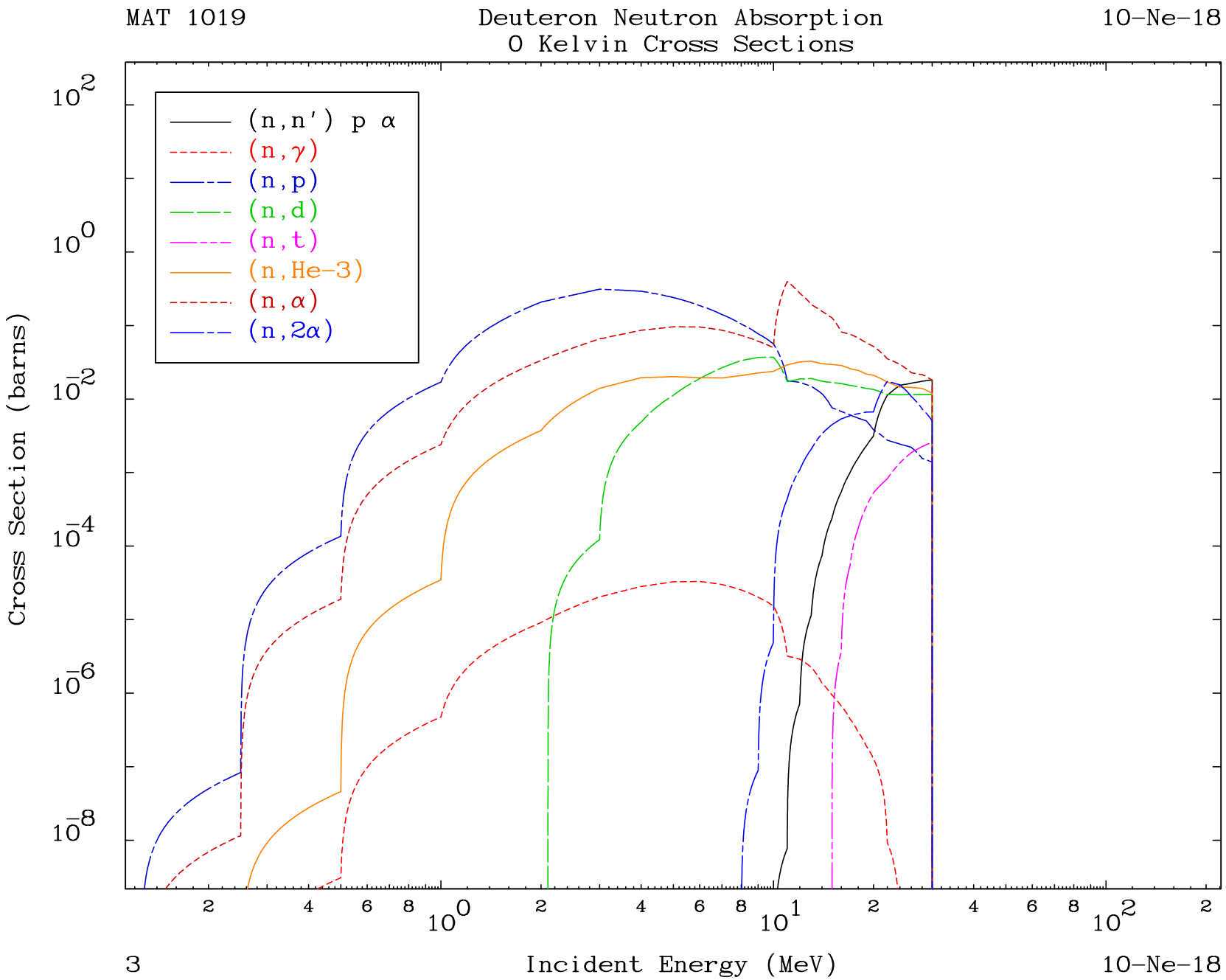
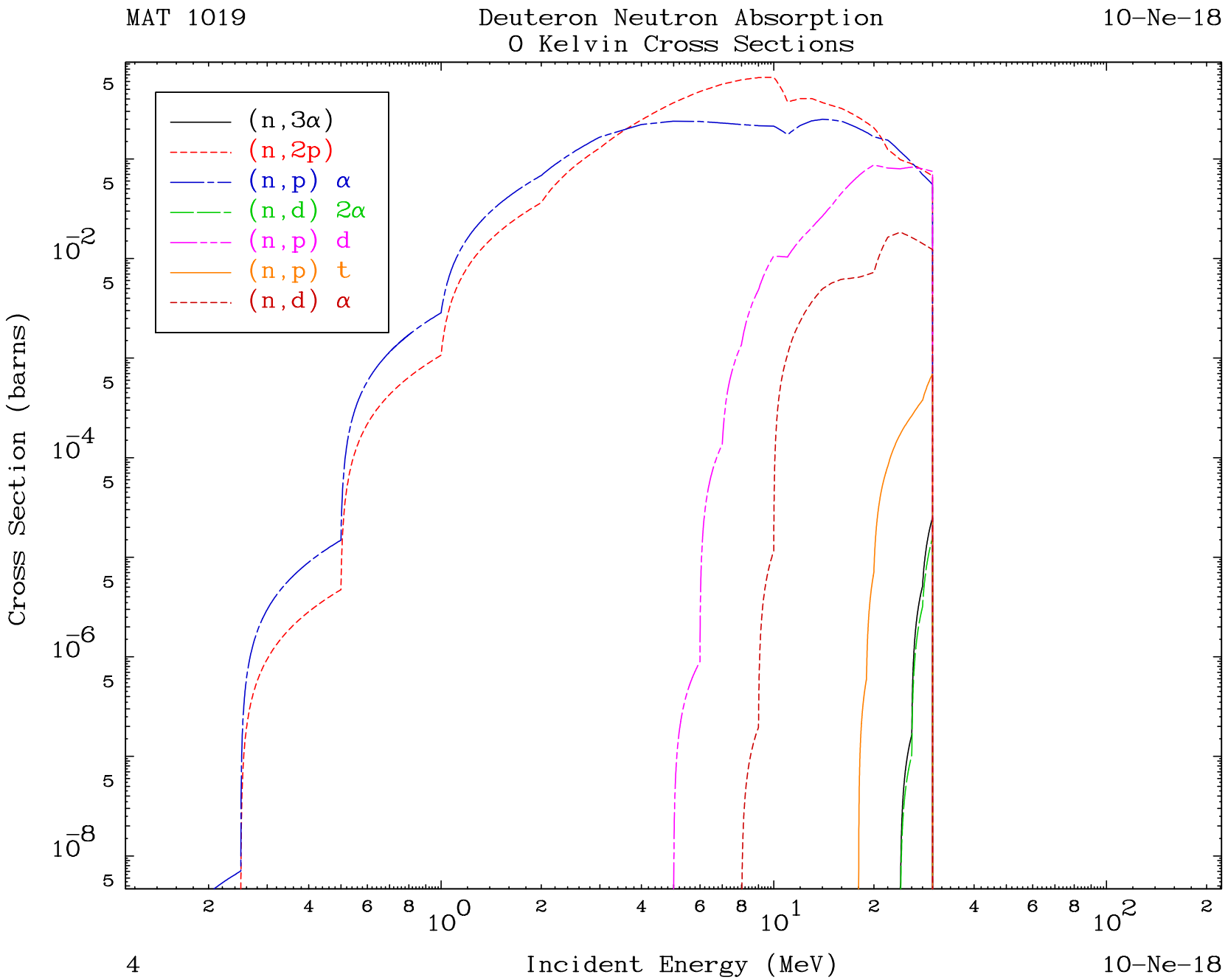
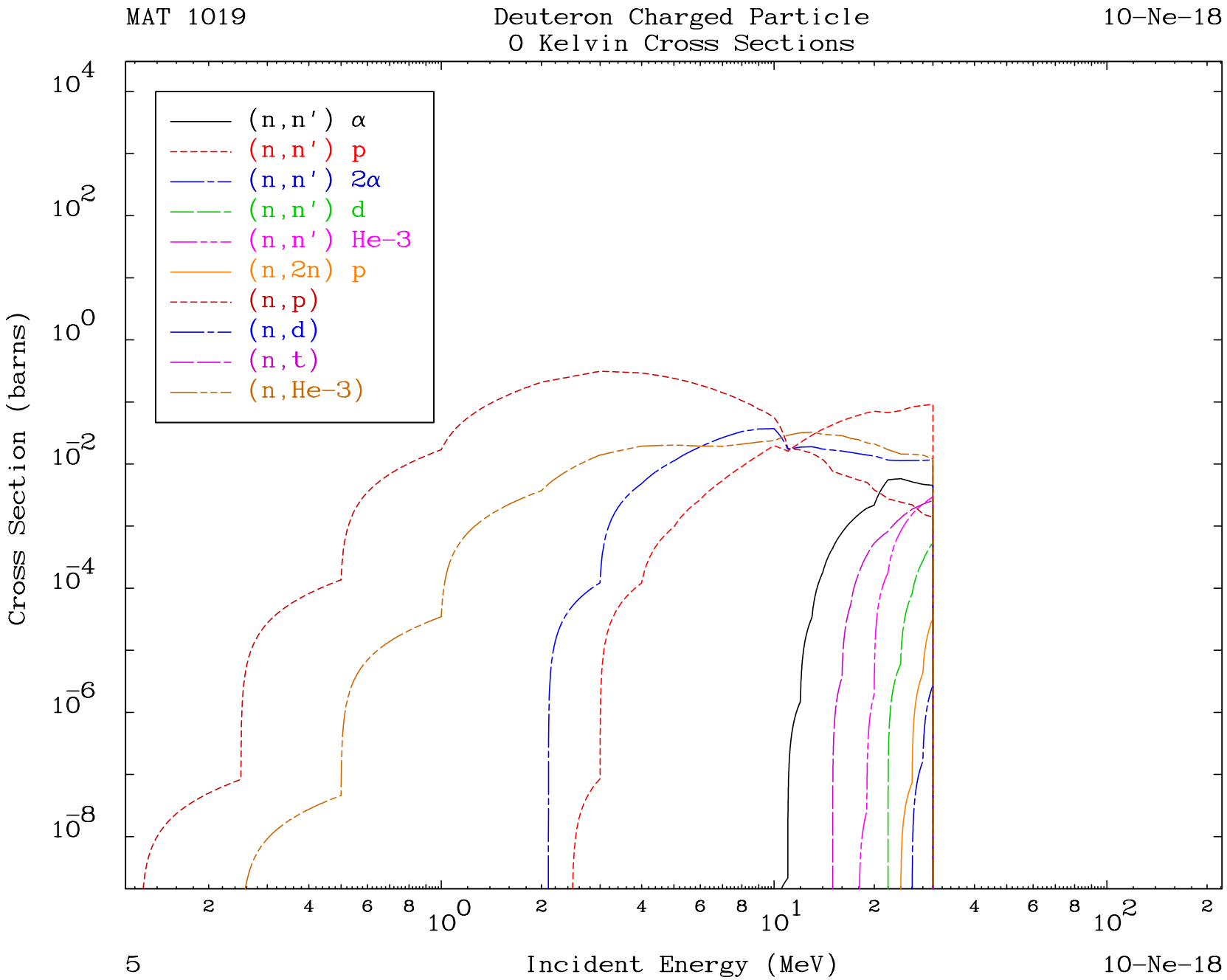
Press Mouse Button to Start

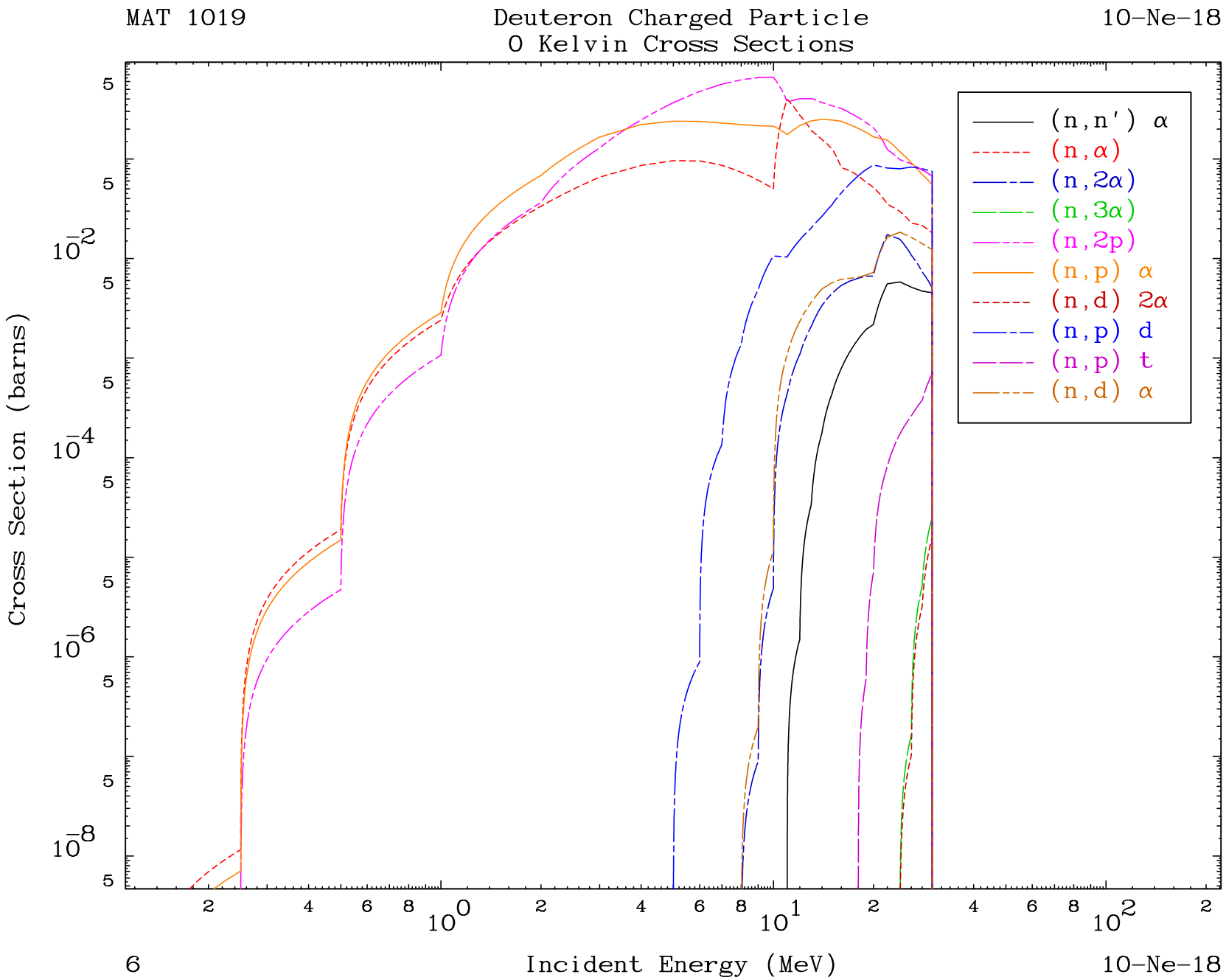

MAT 1019
Deuteron Major
10-Ne-18
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
10-Ne-18

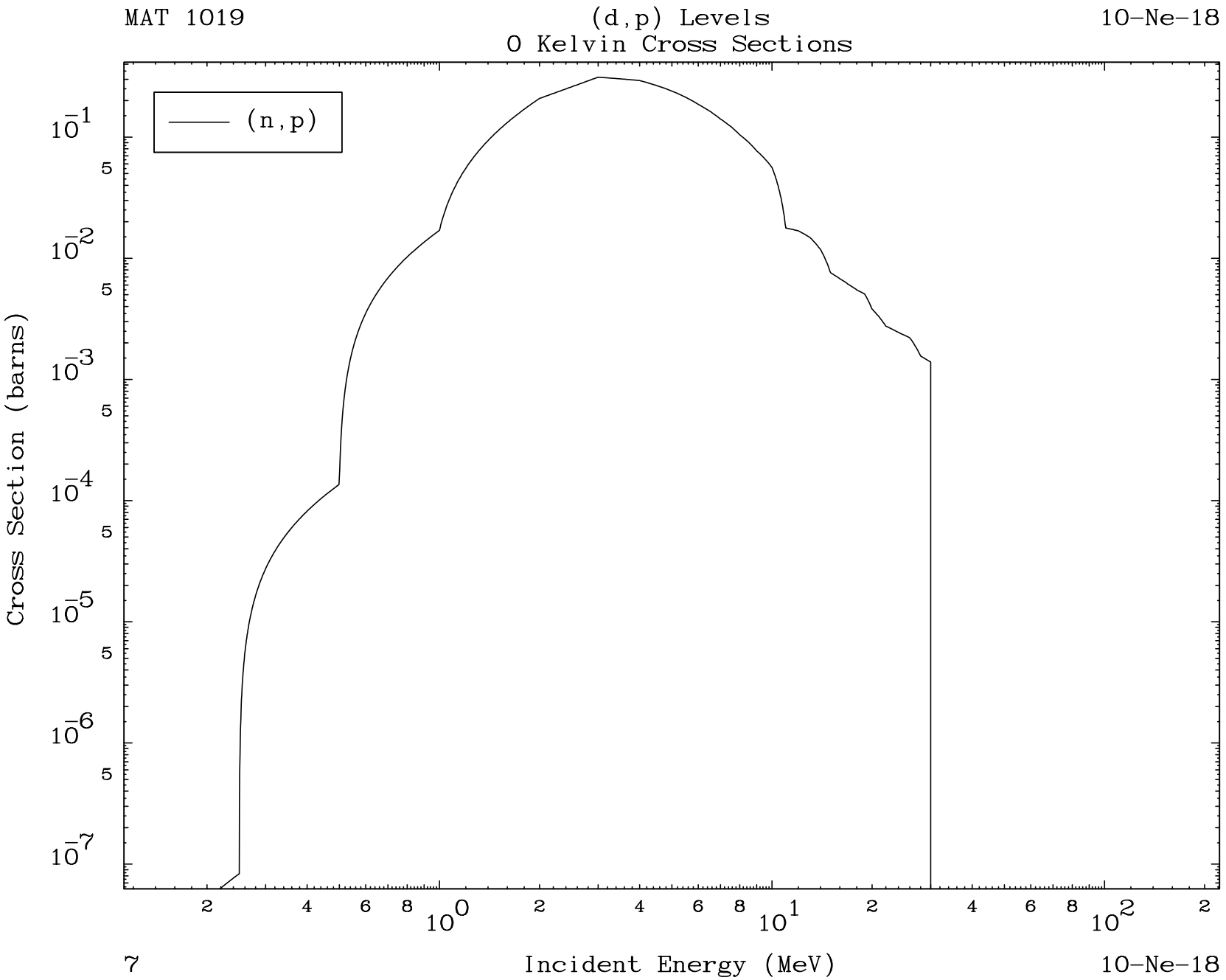

MAT 1019
Deuteron Neutron Absorption
0 Kelvin Cross Sections
10-Ne-18
Cross Section (barns)
Incident Energy (MeV)
2
10-Ne-18
(n,2n)
(n,n') α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,2n) p

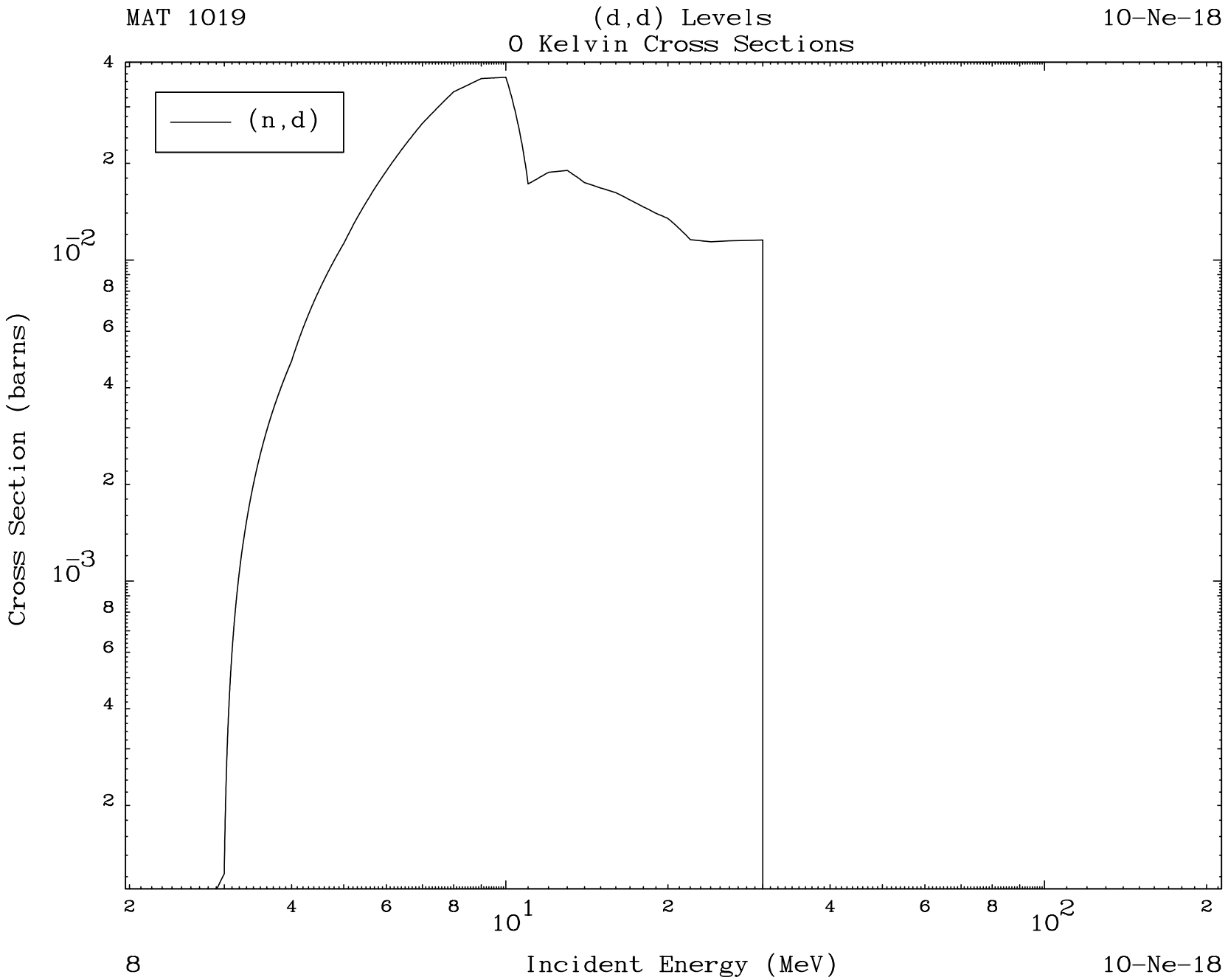

MAT 1019
Deuteron Neutron Absorption
0 Kelvin Cross Sections
10-Ne-18
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
3
10-Ne-18

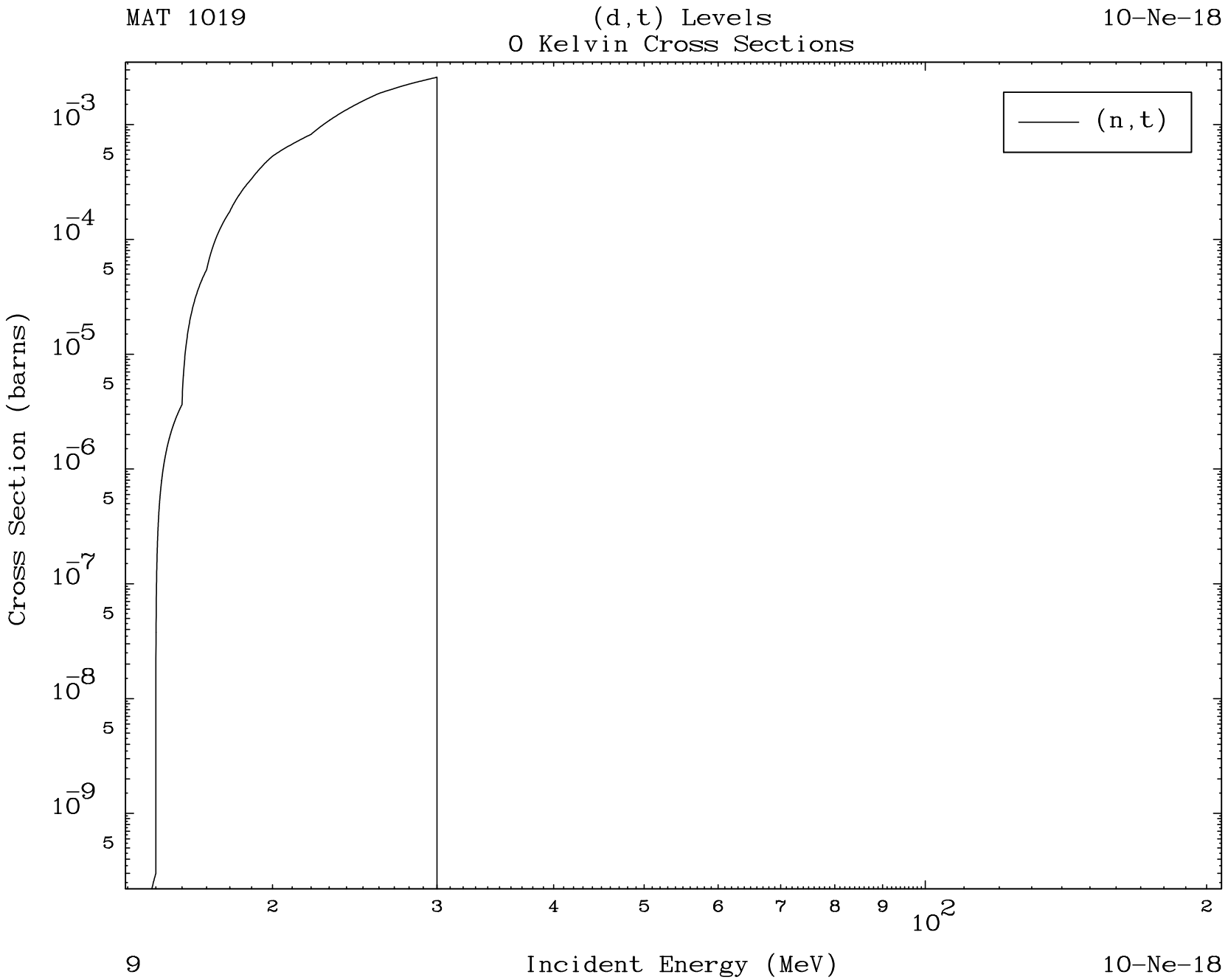

MAT 1019
Deuteron Neutron Absorption
0 Kelvin Cross Sections
10-Ne-18
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
10-Ne-18

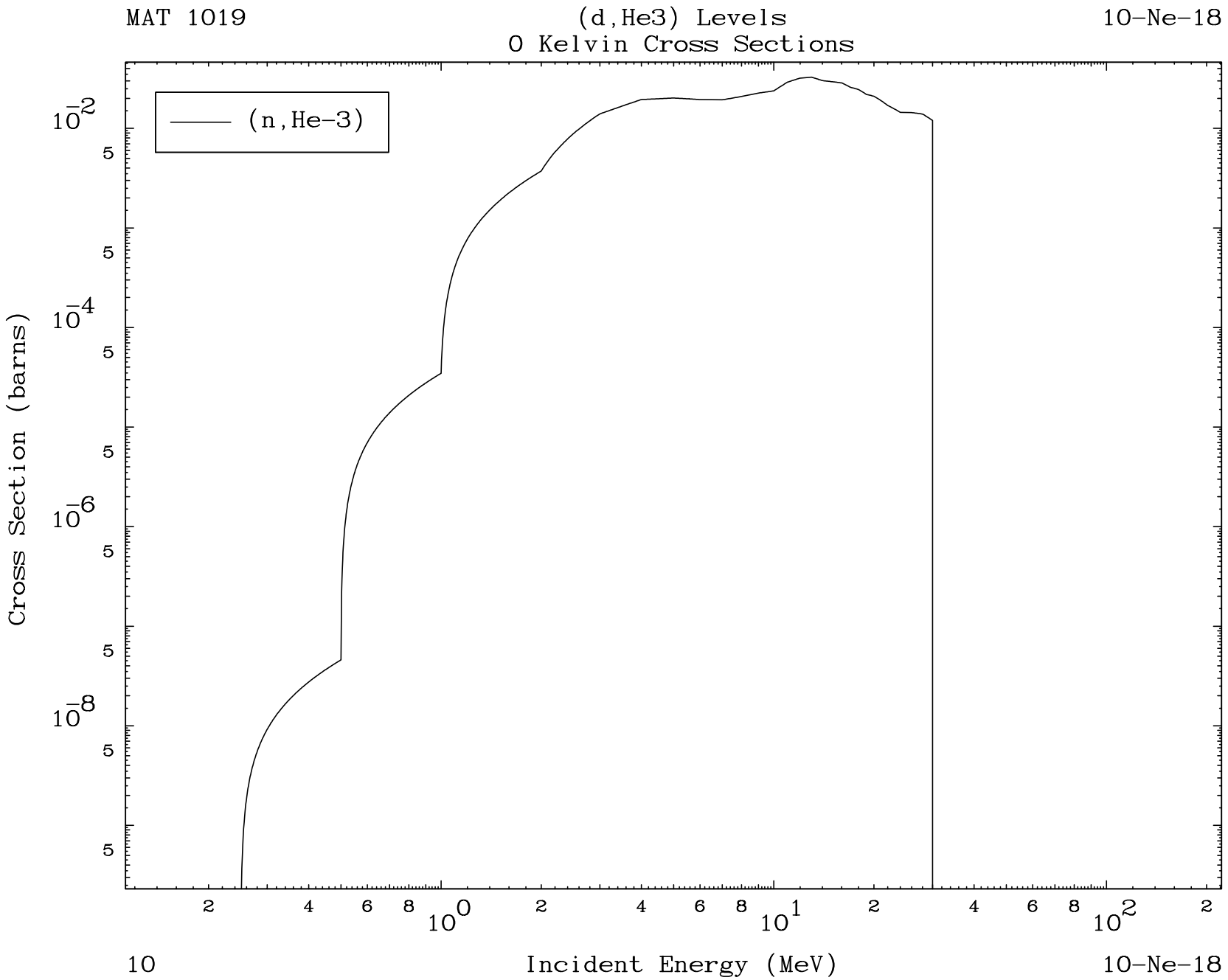

MAT 1019
Deuteron Charged Particle
0 Kelvin Cross Sections
10-Ne-18
(n,n') α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
5
10-Ne-18

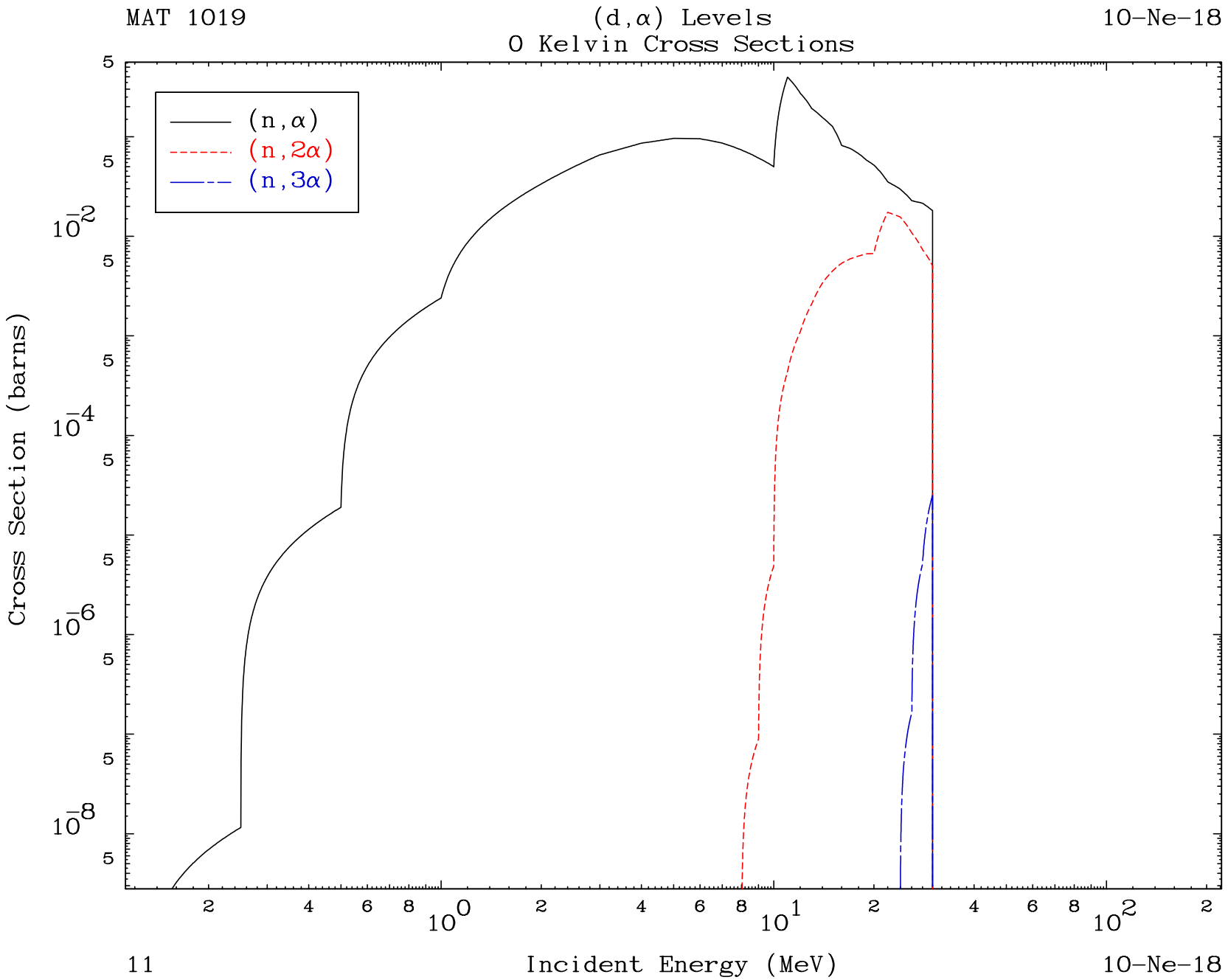

MAT 1019
Deuteron Charged Particle
0 Kelvin Cross Sections
10-Ne-18
Cross Section (barns)
Incident Energy (MeV)
6
10-Ne-18
(n,n') α
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α

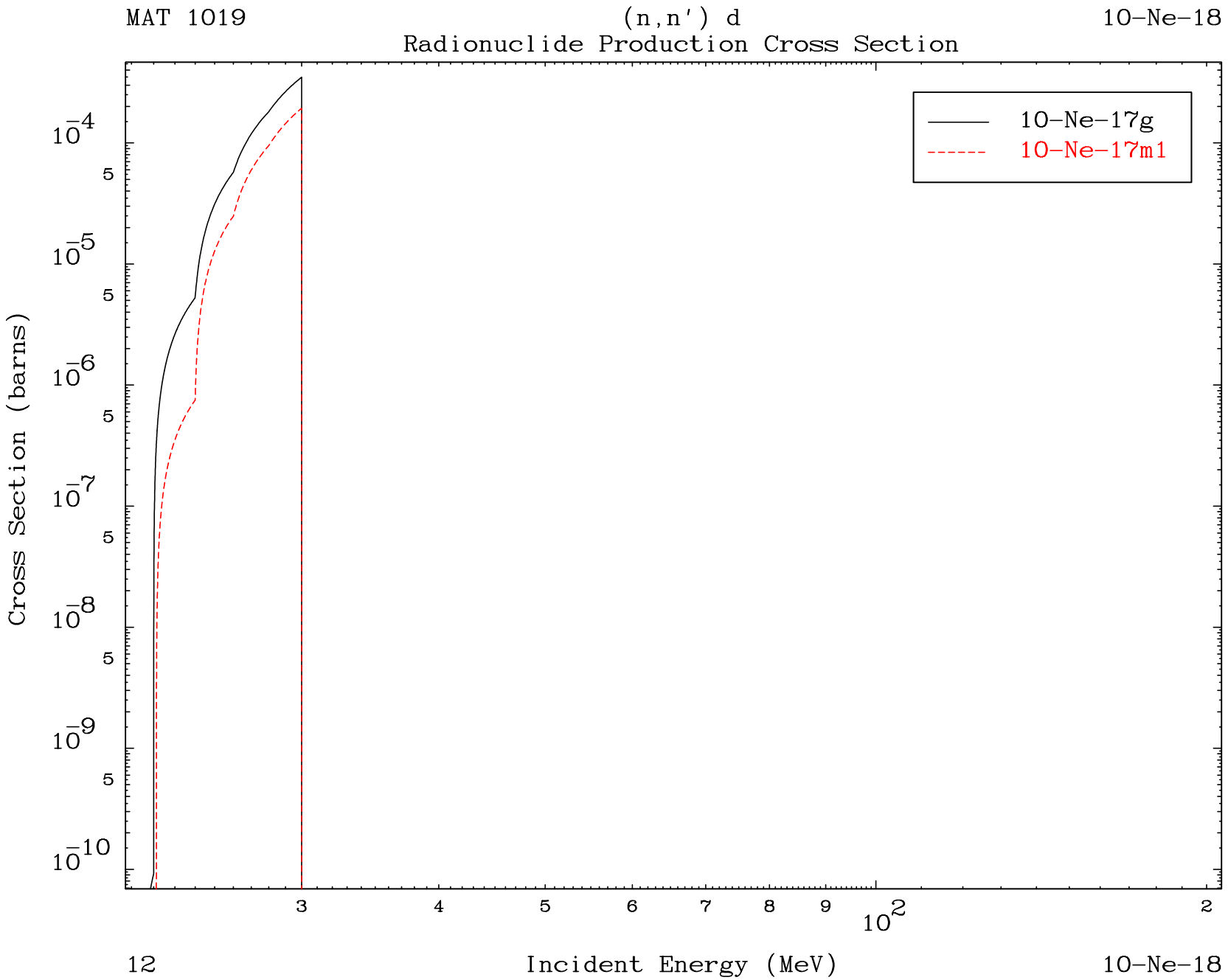

MAT 1019
(d,p) Levels
10-Ne-18
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
10-Ne-18

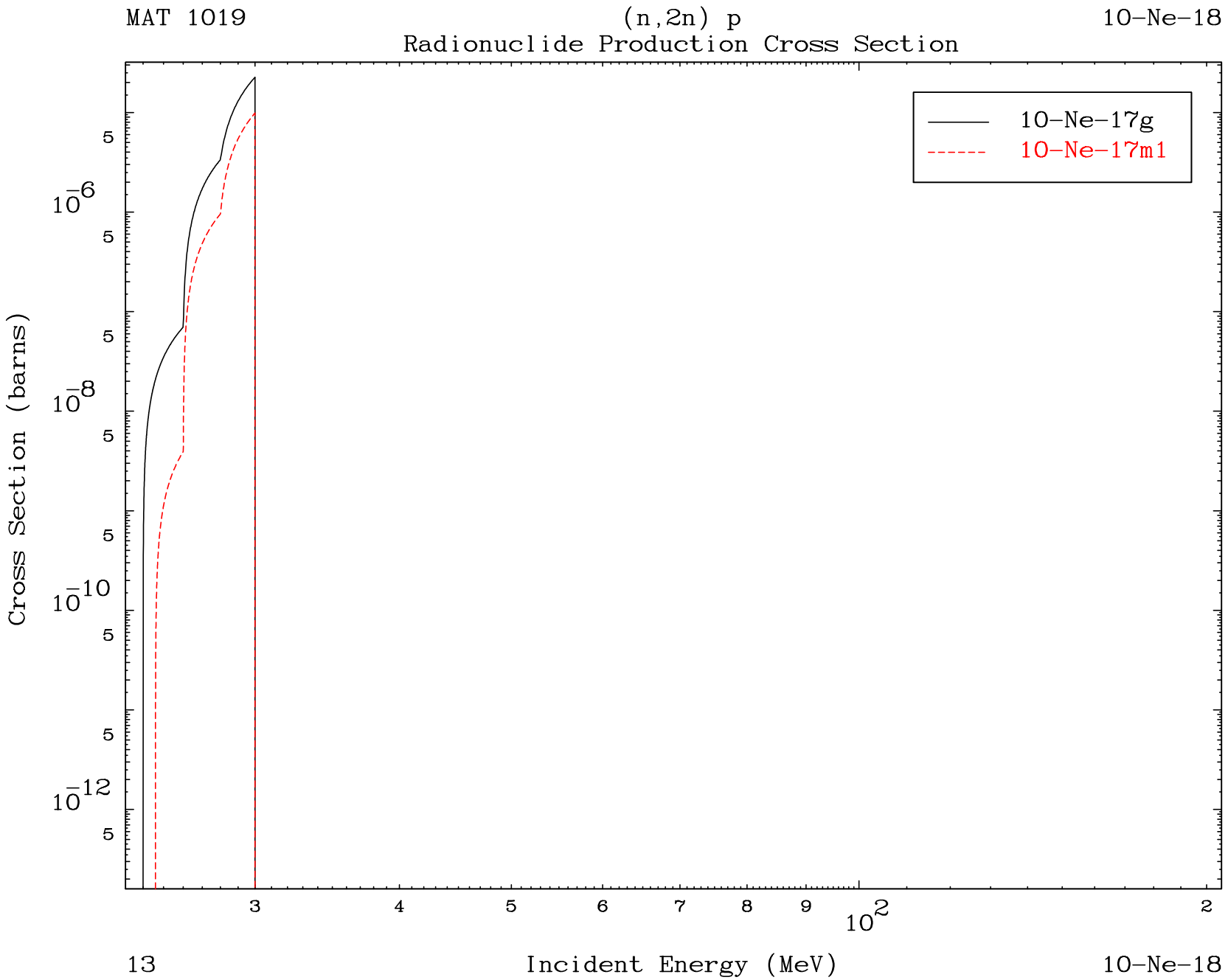

MAT 1019
(d,d) Levels
10-Ne-18
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
10-Ne-18

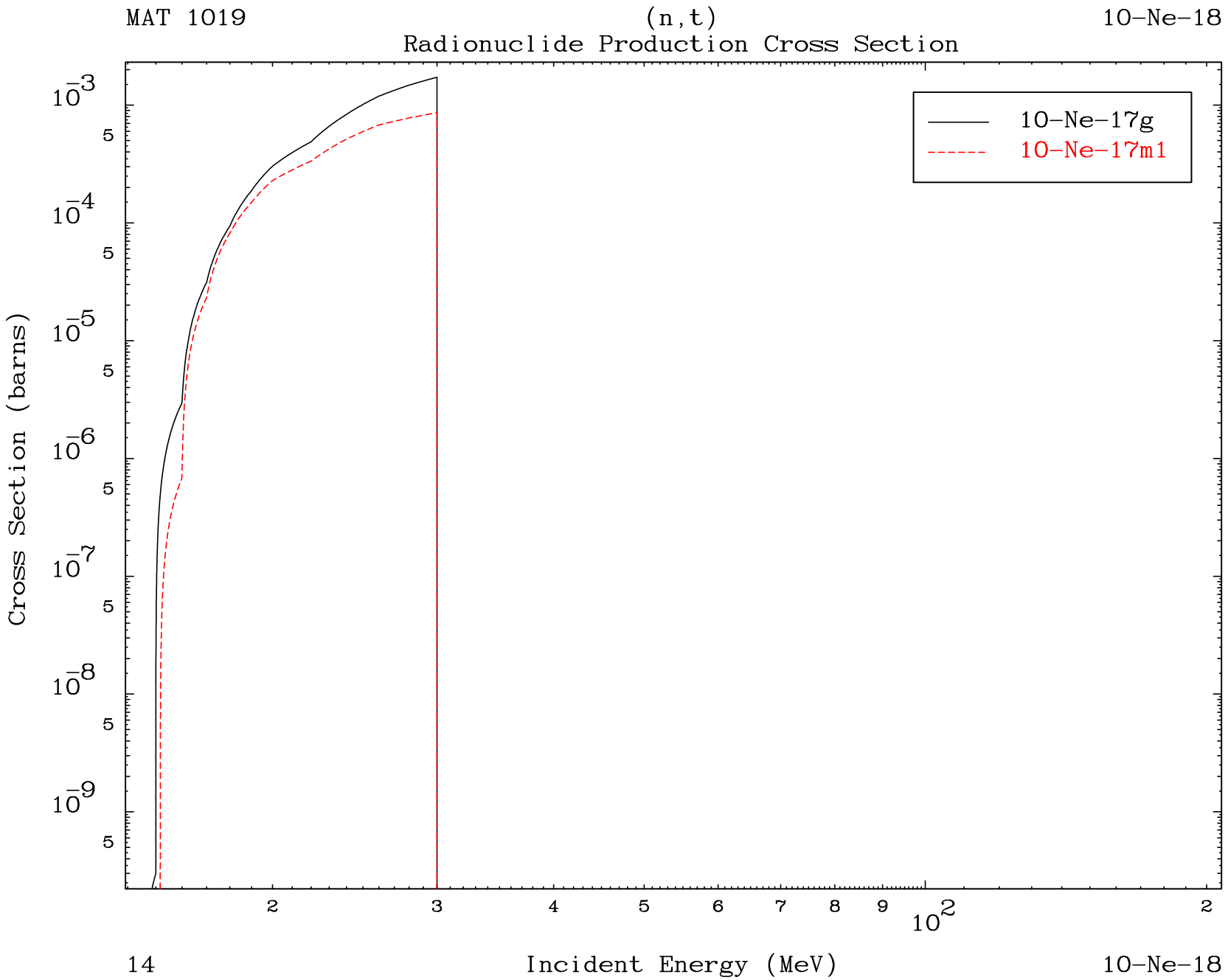

MAT 1019
(d,t) Levels
10-Ne-18
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-3
10-4
10-5
10-6
10-7
10-8
10-9
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
10-Ne-18


MAT 1019
(d,He3) Levels
10-Ne-18
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
4
6
8
10^0
10^1
10^2
10
Incident Energy (MeV)
10-Ne-18


MAT 1019
(d,α) Levels
10-Ne-18
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
11
10-Ne-18


MAT 1019
(n,n') d
10-Ne-18
Radionuclide Production Cross Section
10-Ne-17g
10-Ne-17m1
Cross Section (barns)
Incident Energy (MeV)
12
10-Ne-18


MAT 1019
(n,2n) p
10-Ne-18
Radionuclide Production Cross Section
10-Ne-17g
10-Ne-17m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
10-Ne-18


MAT 1019
(n,t)
10-Ne-18
Radionuclide Production Cross Section
10-Ne-17g
10-Ne-17m1
Cross Section (barns)
Incident Energy (MeV)
14
10-Ne-18