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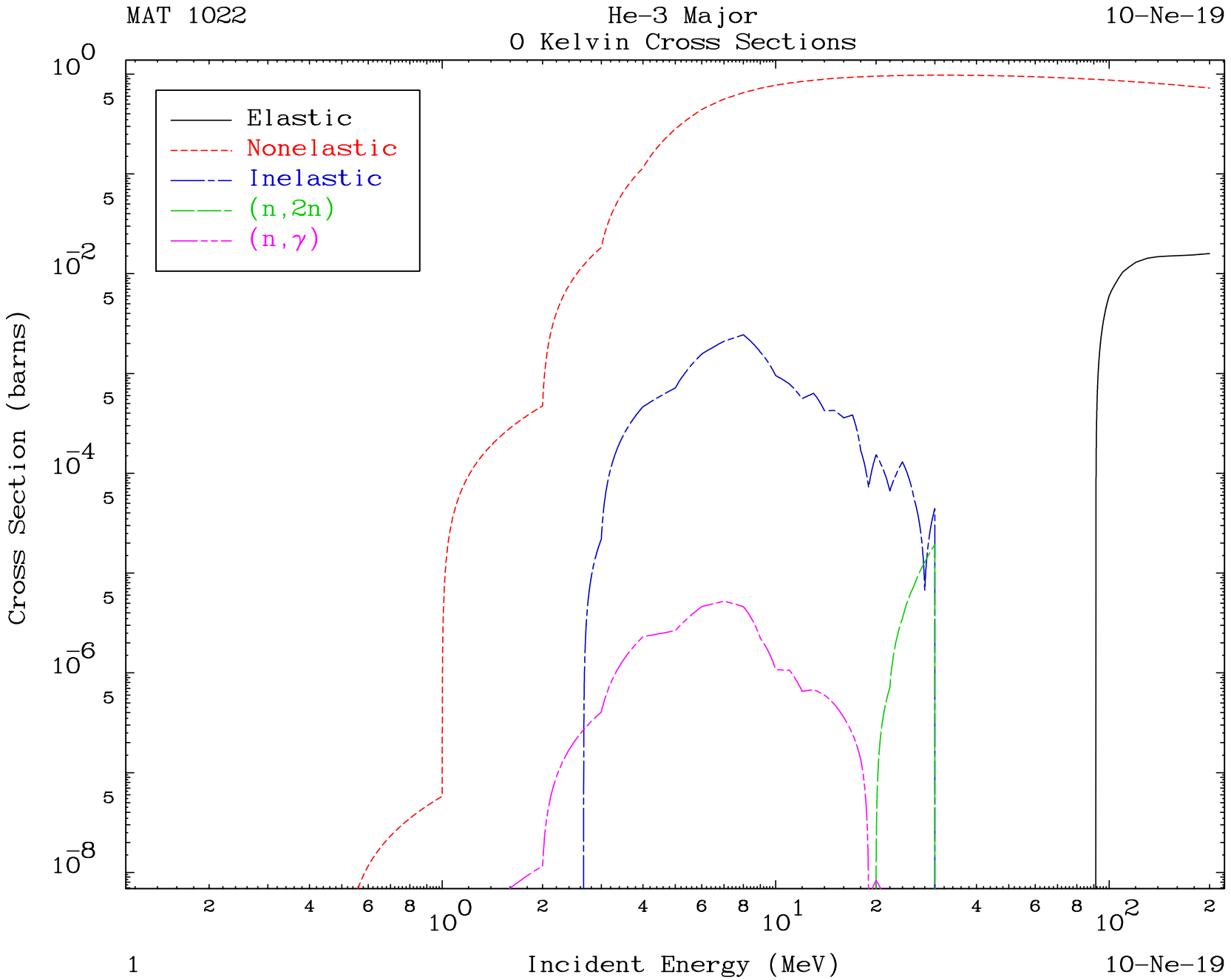
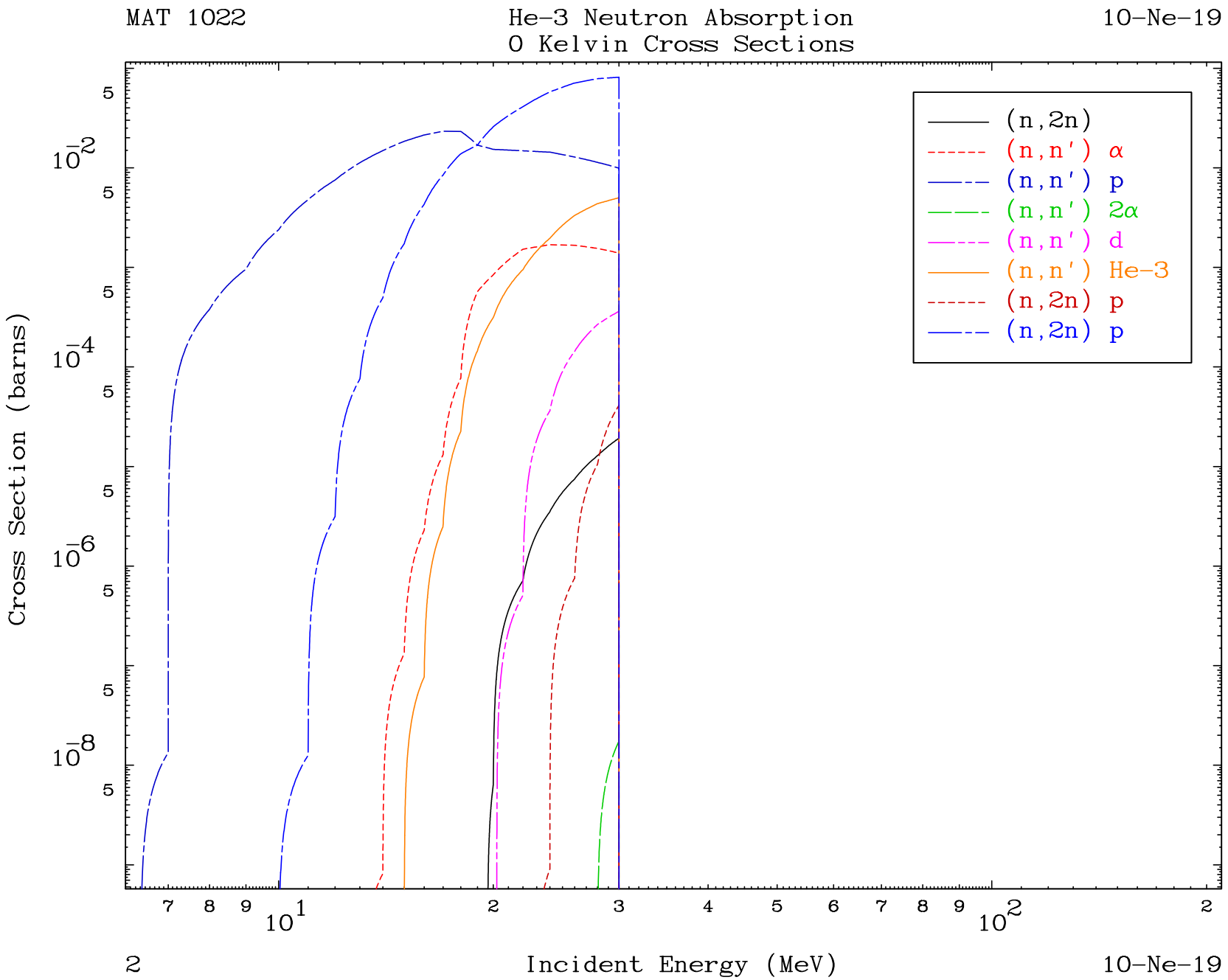
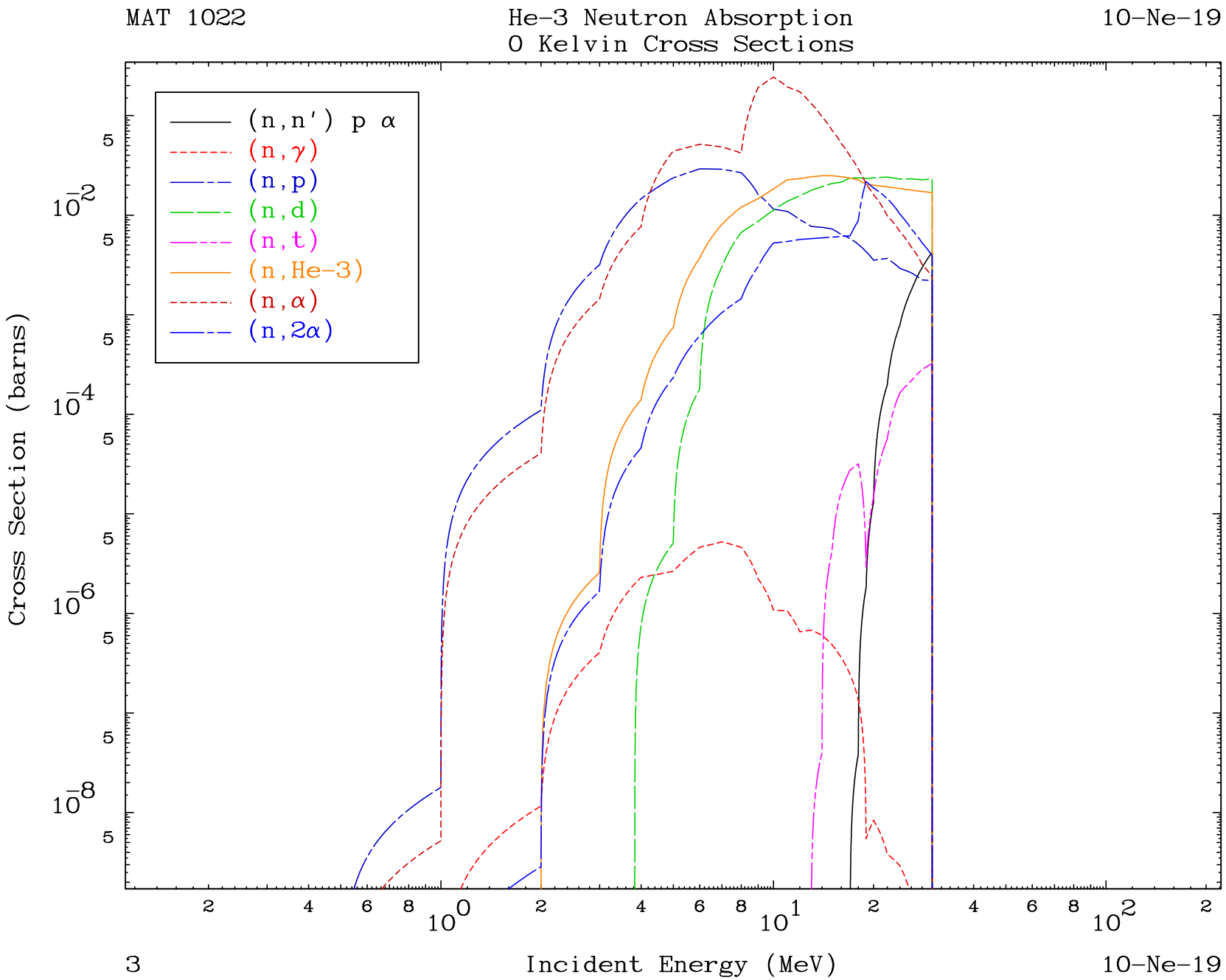
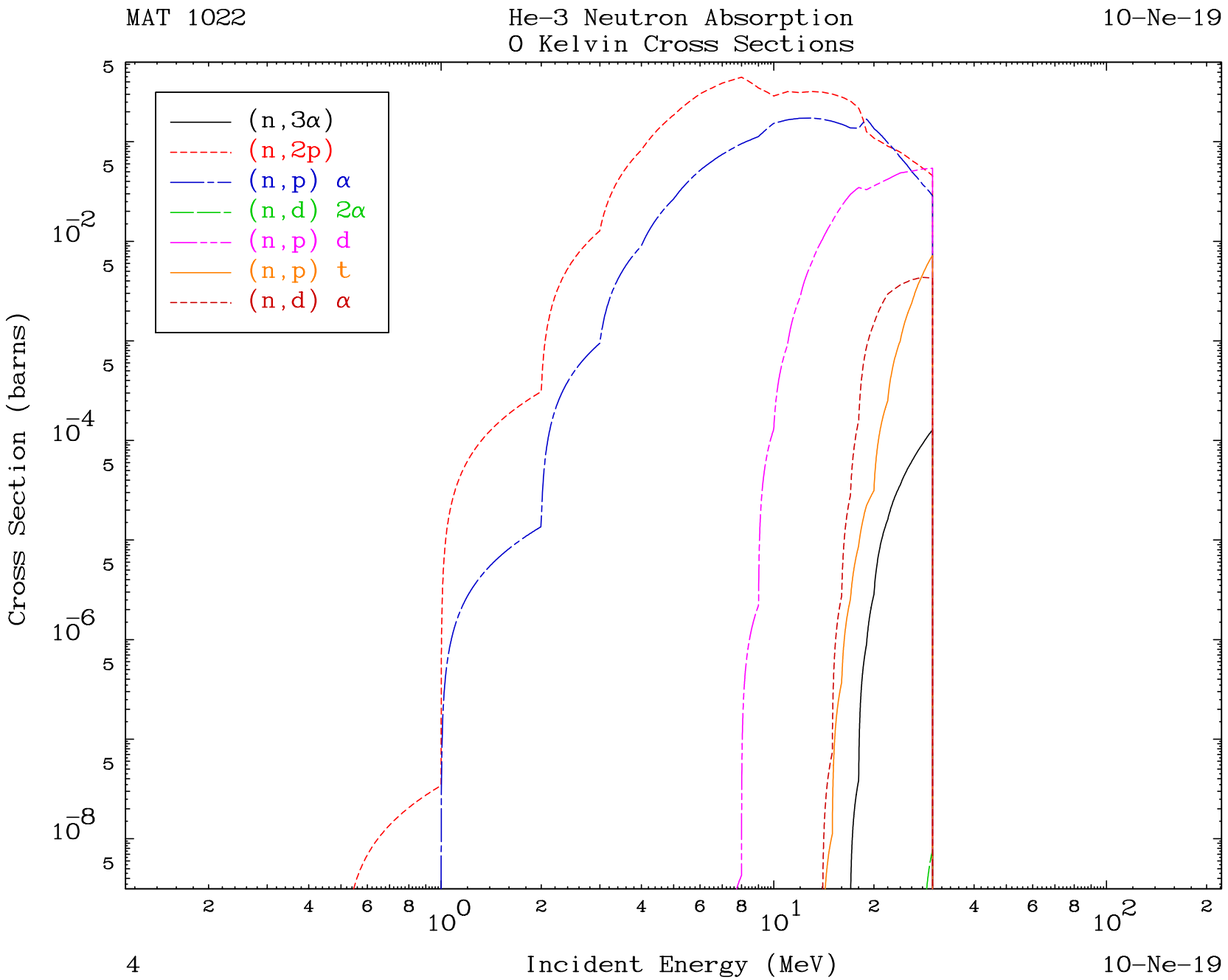
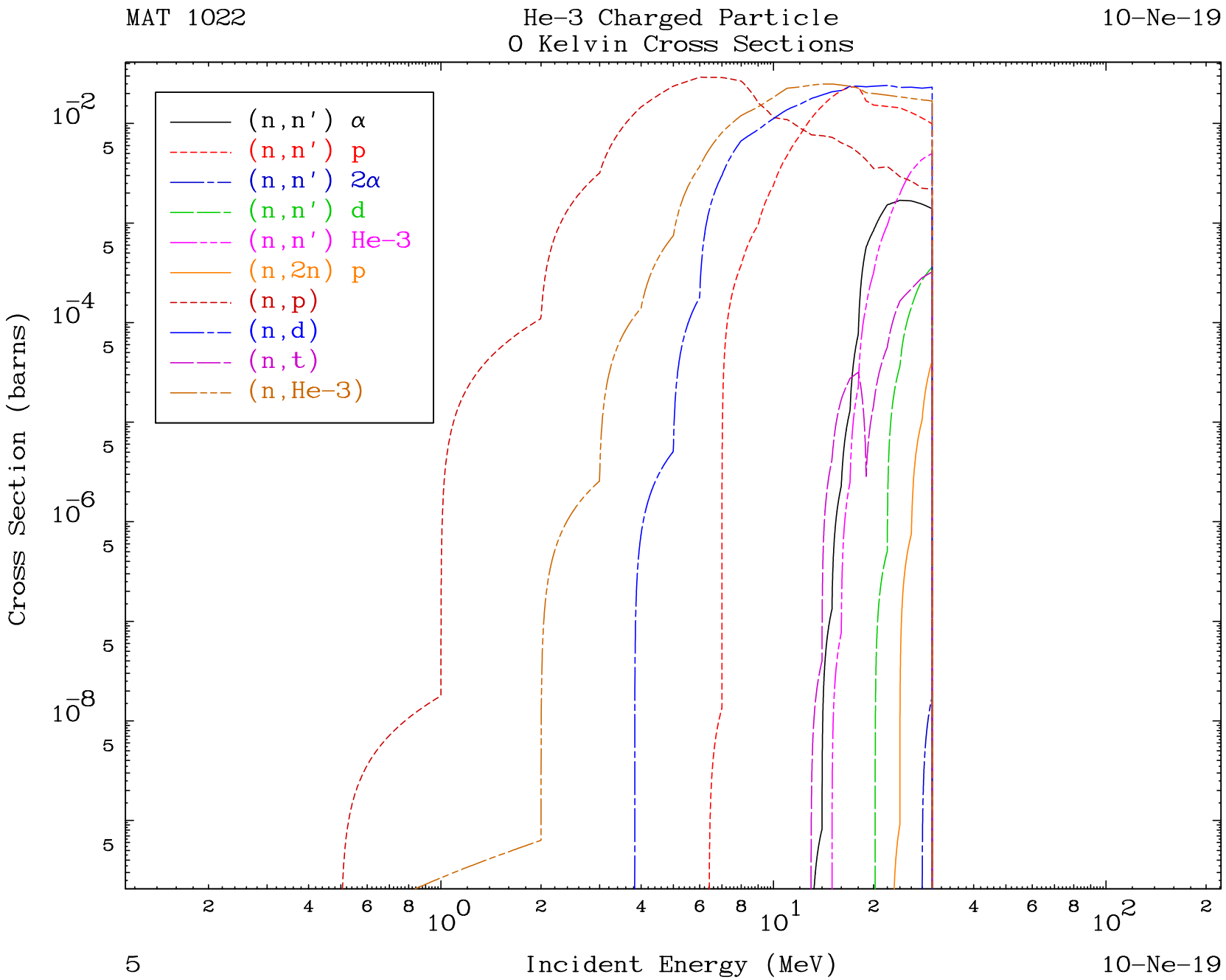
Press Mouse Button to Start

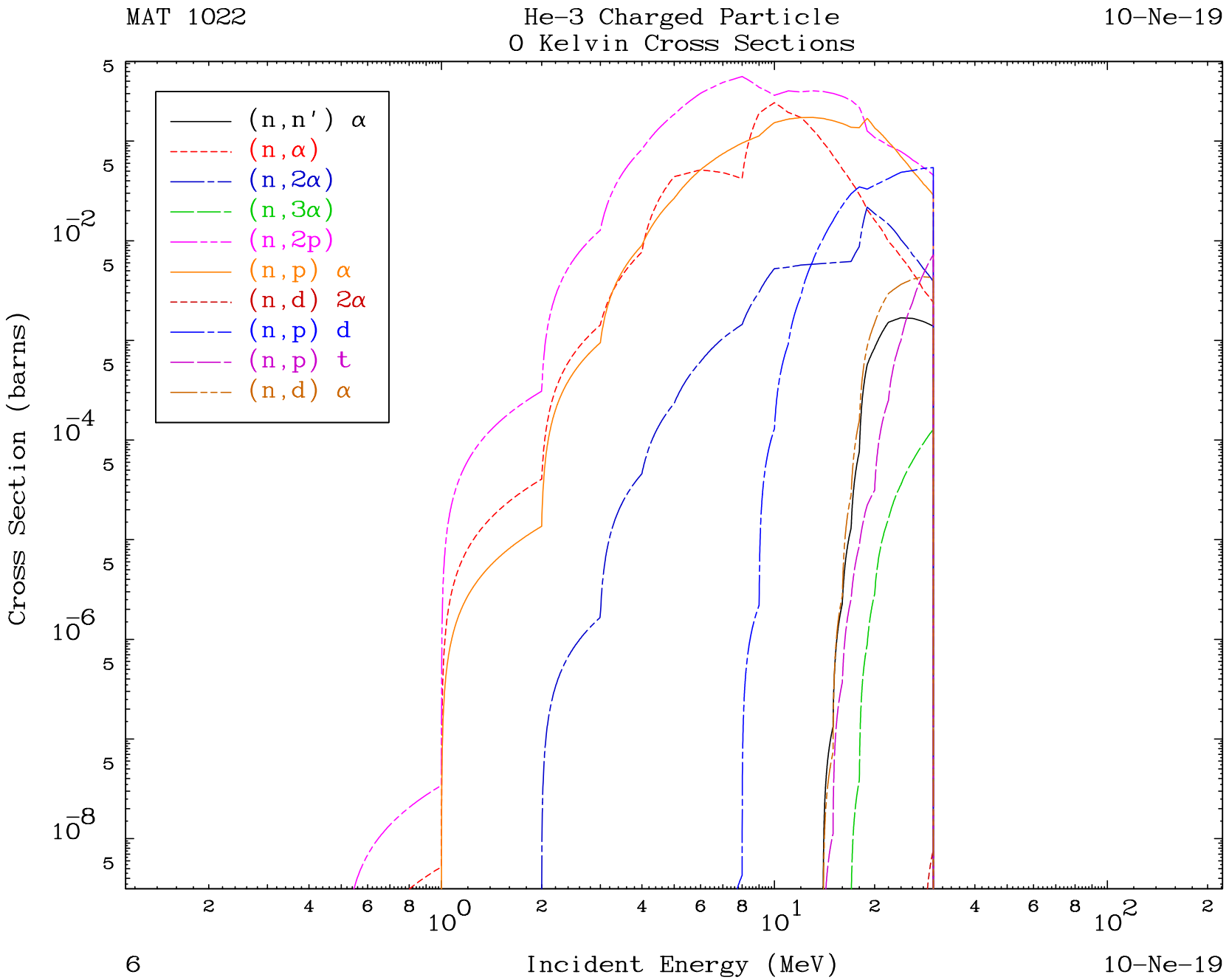

MAT 1022
He-3 Major
10-Ne-19
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
10-Ne-19

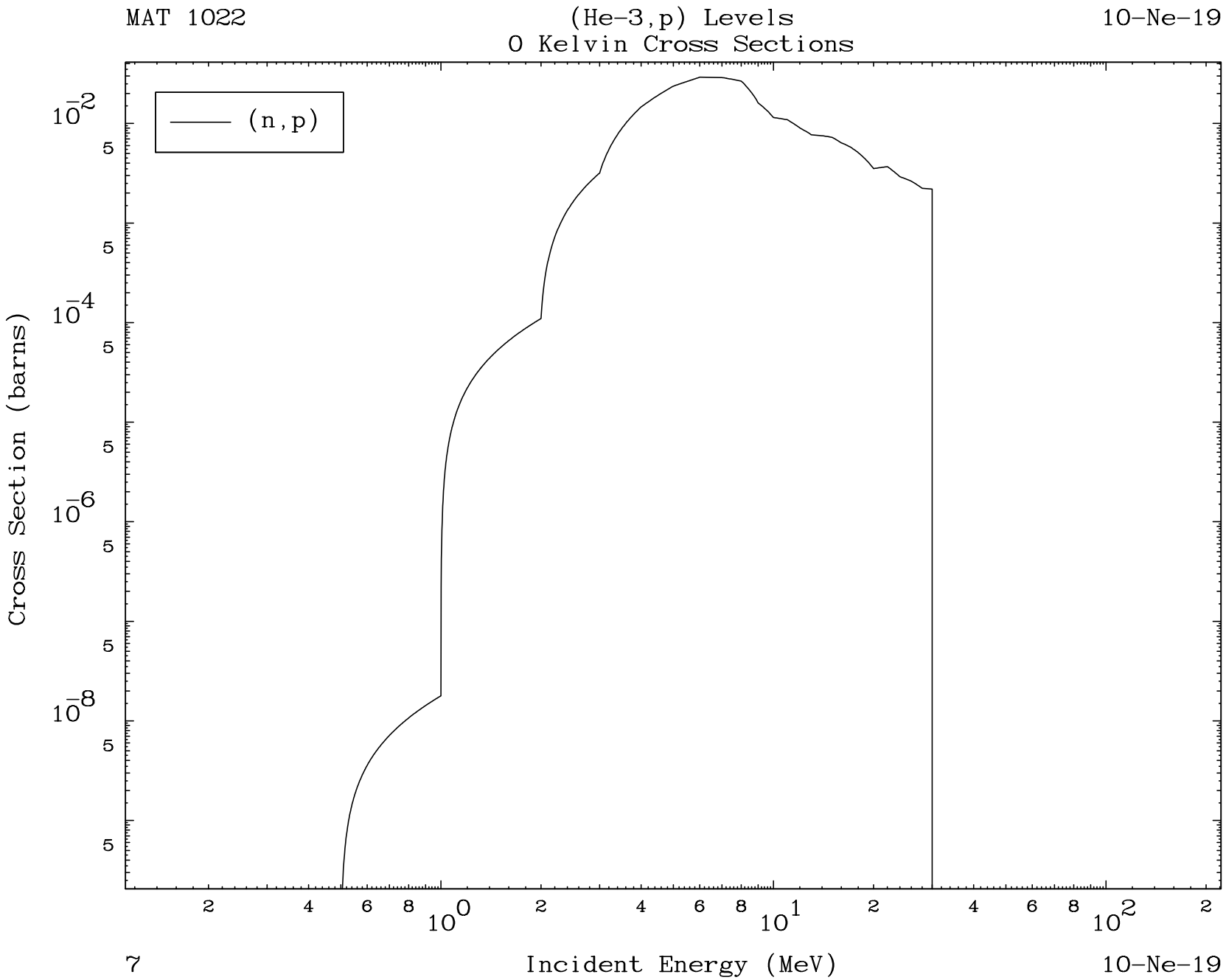

MAT 1022
He-3 Neutron Absorption
0 Kelvin Cross Sections
10-Ne-19
Cross Section (barns)
Incident Energy (MeV)
(n,2n)
(n,n') α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,2n) p
2
10-Ne-19

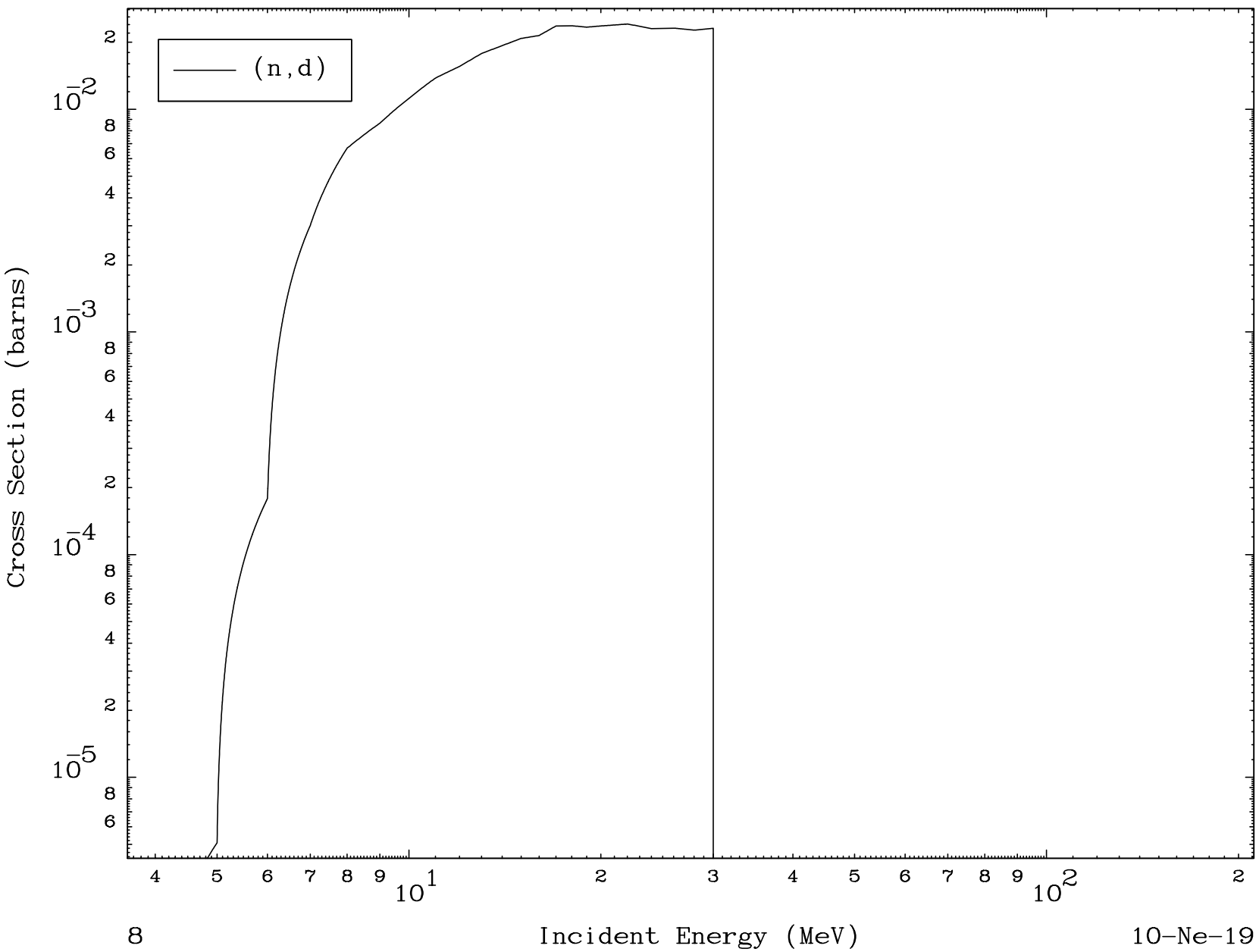

MAT 1022
He-3 Neutron Absorption
0 Kelvin Cross Sections
10-Ne-19
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
3
10-Ne-19

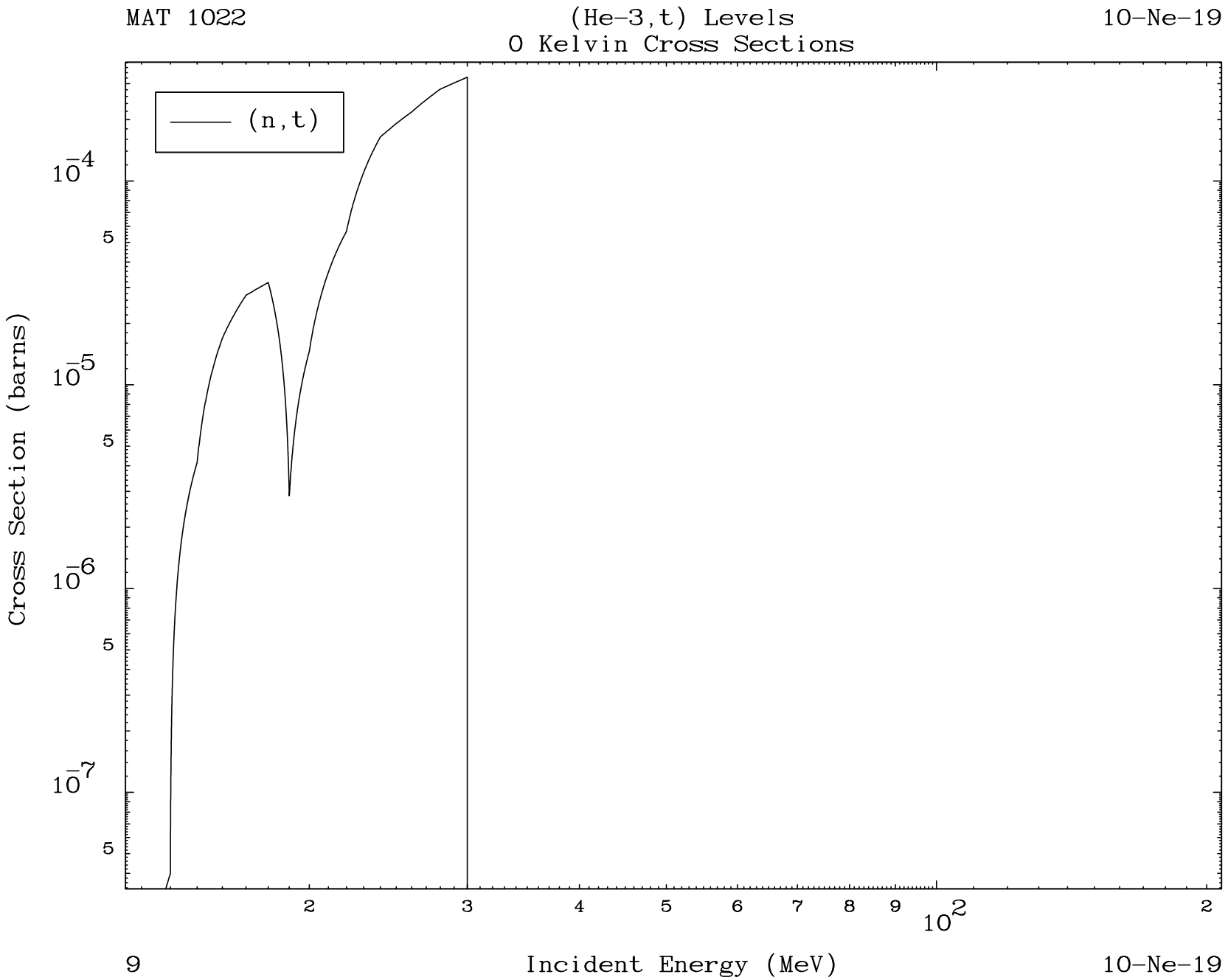

MAT 1022
He-3 Neutron Absorption
0 Kelvin Cross Sections
10-Ne-19
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
10-Ne-19

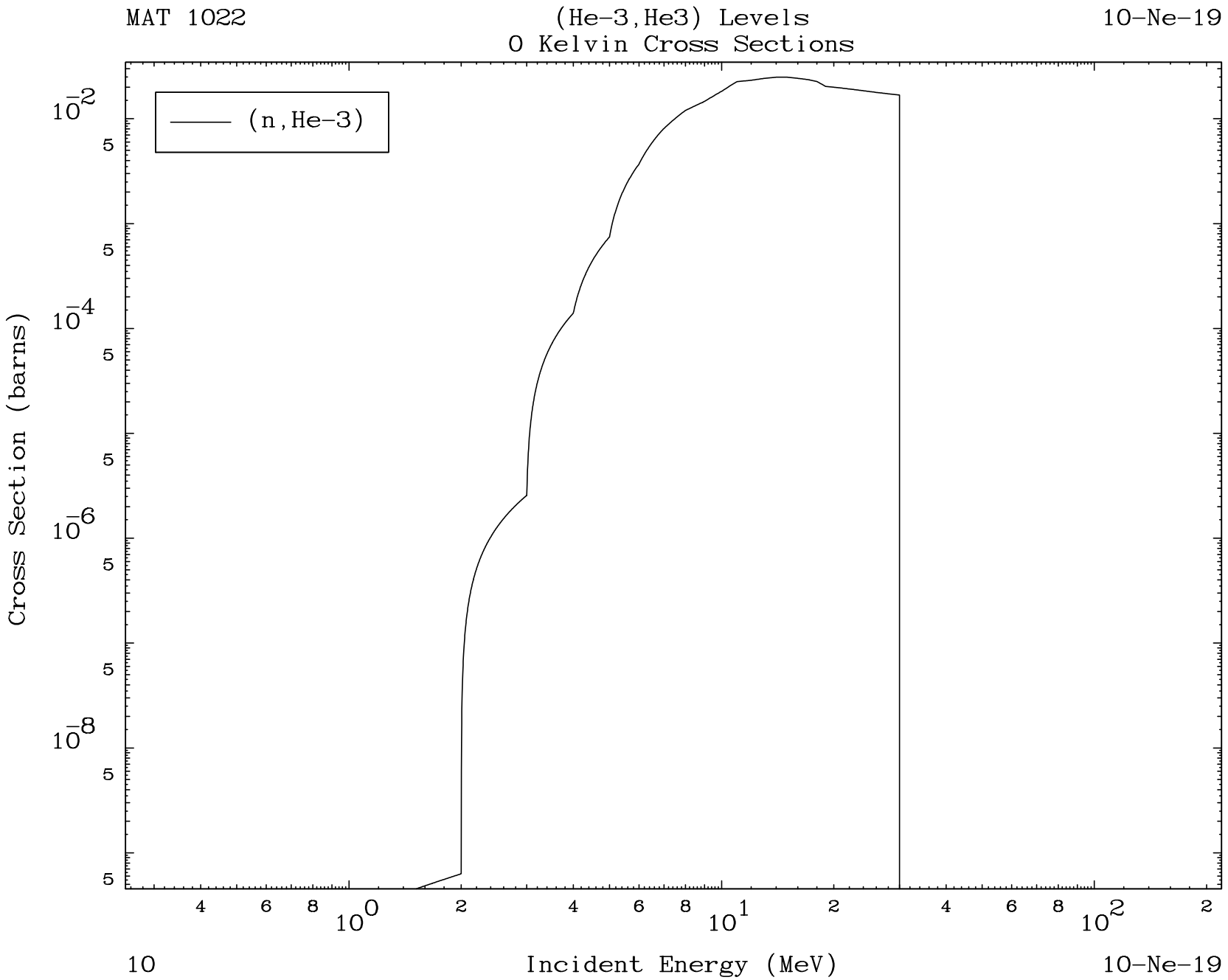

MAT 1022
He-3 Charged Particle
0 Kelvin Cross Sections
10-Ne-19
(n,n') α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
5
10-Ne-19

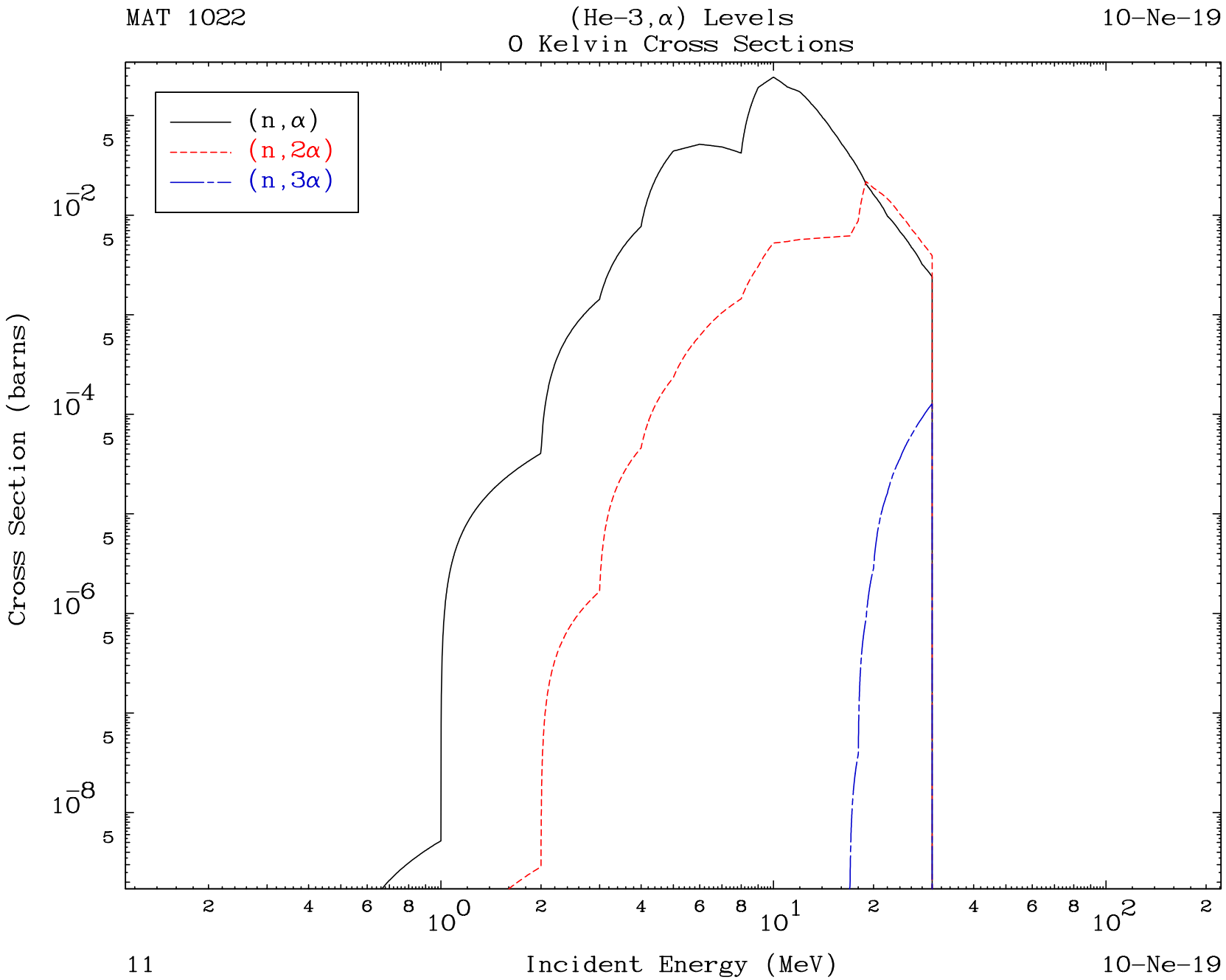

MAT 1022
He-3 Charged Particle
0 Kelvin Cross Sections
10-Ne-19
(n,n') α
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
10-Ne-19

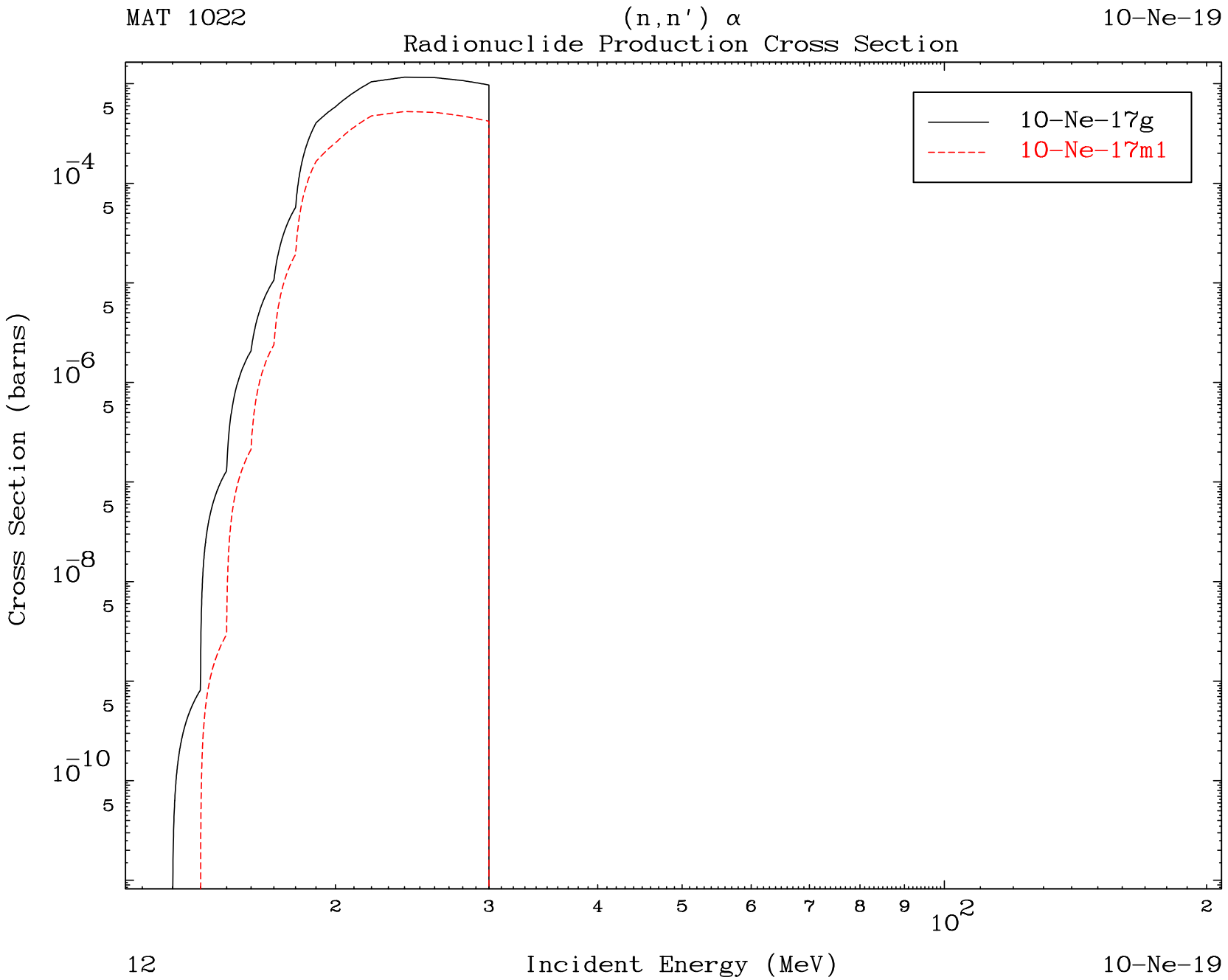

MAT 1022
(He-3,p) Levels
0 Kelvin Cross Sections
10-Ne-19
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
10-Ne-19


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


MAT 1022
(He-3,t) Levels
10-Ne-19
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
5
10-5
5
10-6
5
10-7
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
10-Ne-19


MAT 1022
(He-3,He3) Levels
10-Ne-19
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
10-Ne-19


MAT 1022
(He-3,α) Levels
0 Kelvin Cross Sections
10-Ne-19
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
10-2
10-4
10-6
10-8
10^0
10^1
10^2
Incident Energy (MeV)
11
10-Ne-19


MAT 1022
(n,n') α
10-Ne-19
Radionuclide Production Cross Section
10-Ne-17g
10-Ne-17m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
10-Ne-19