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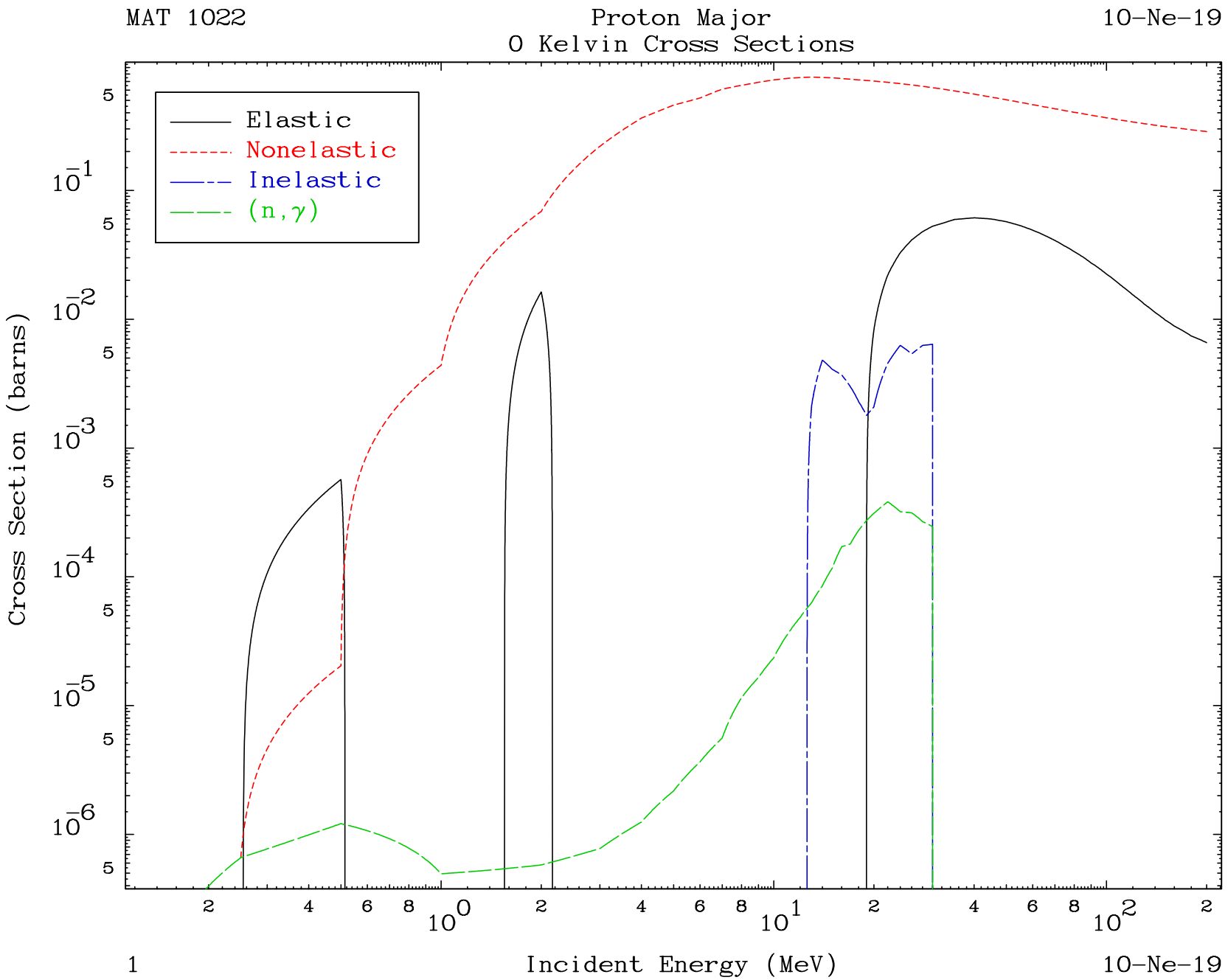
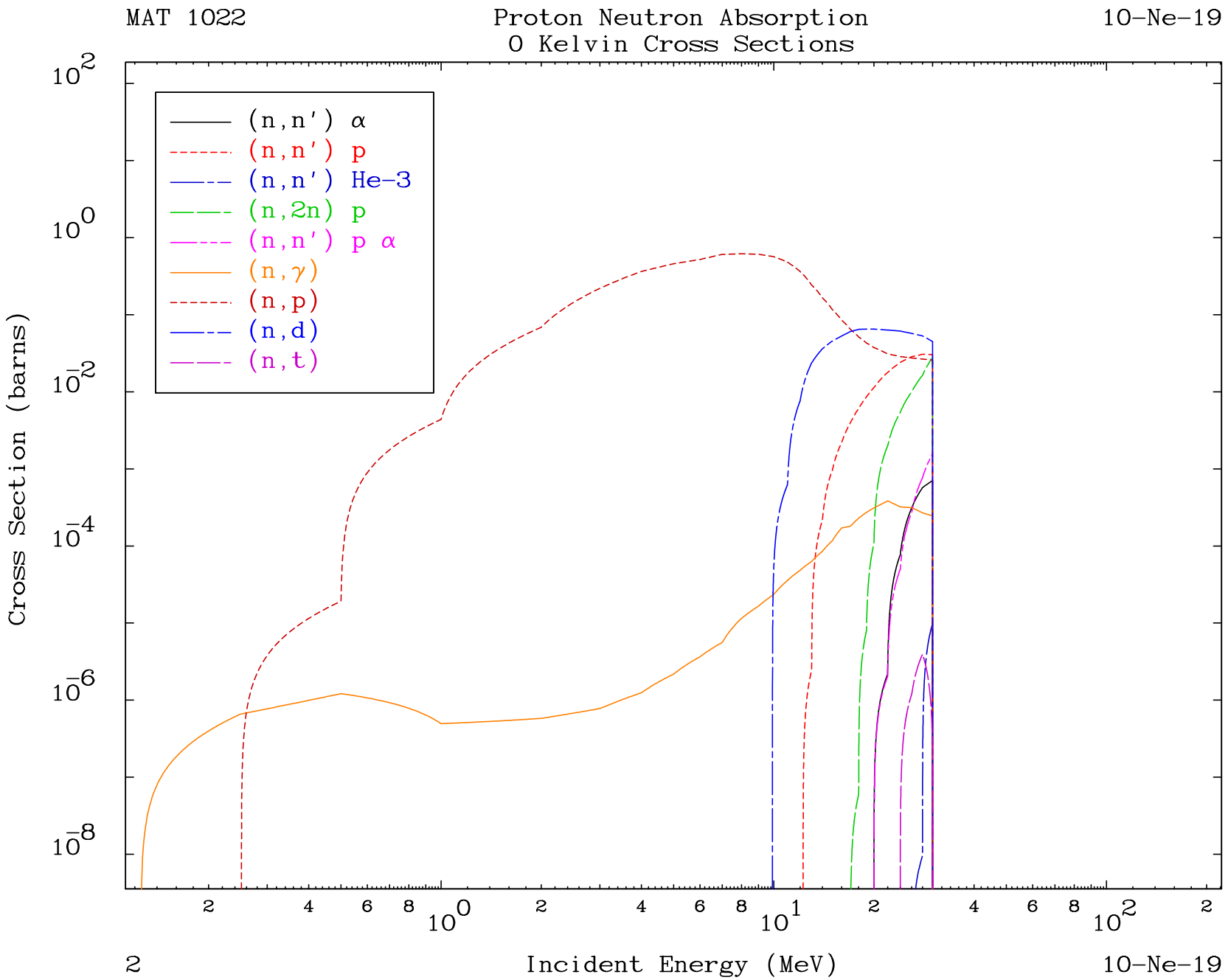
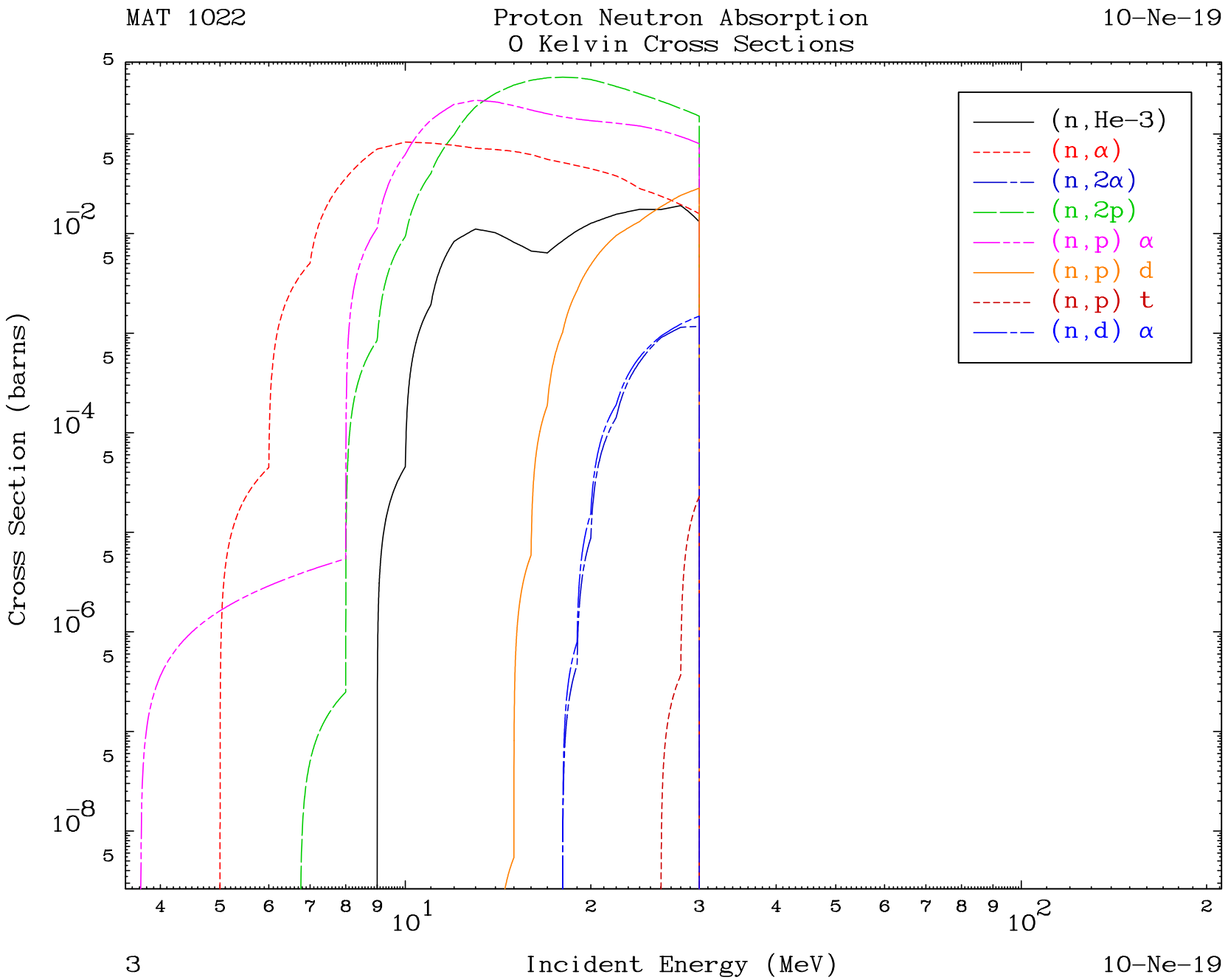
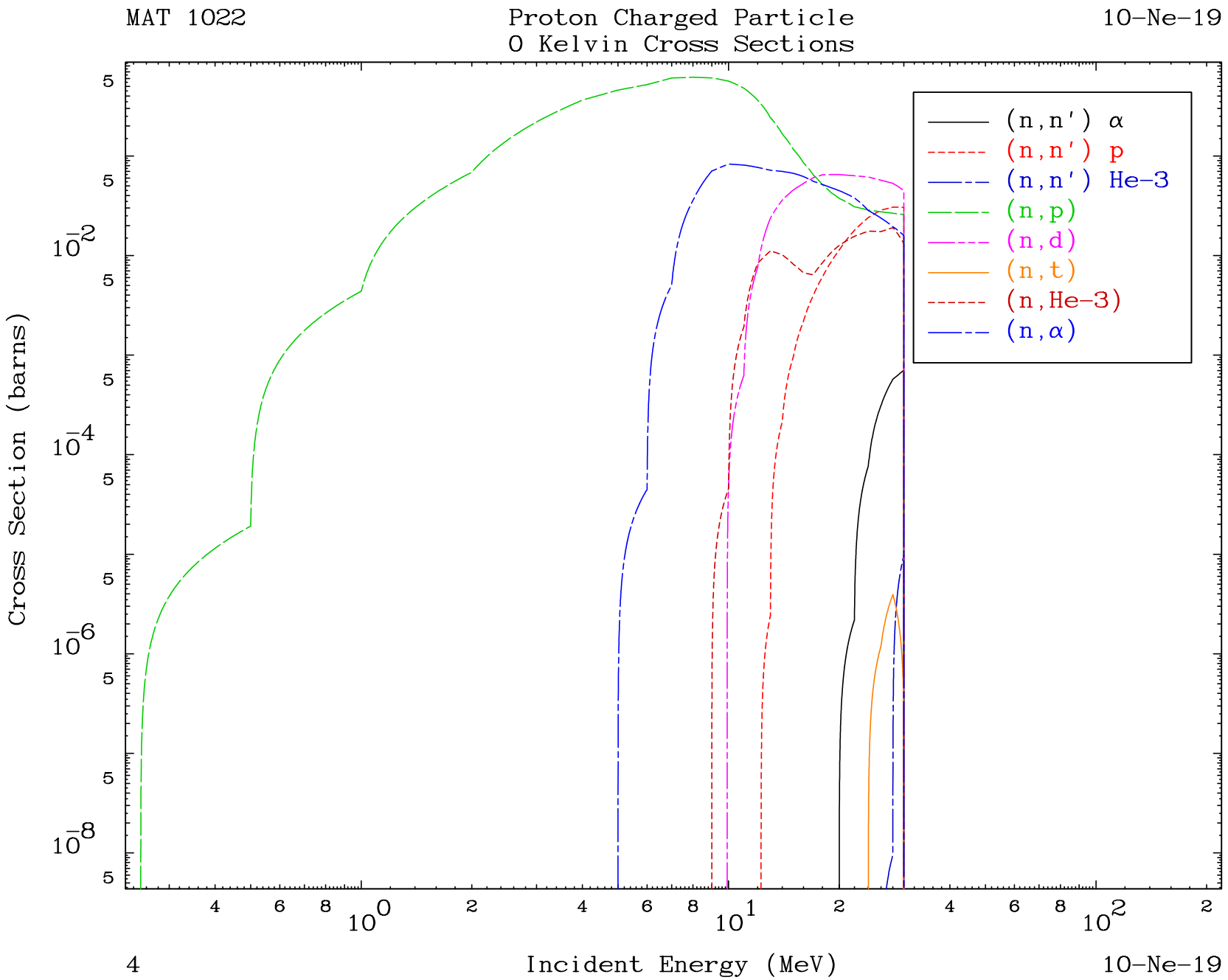
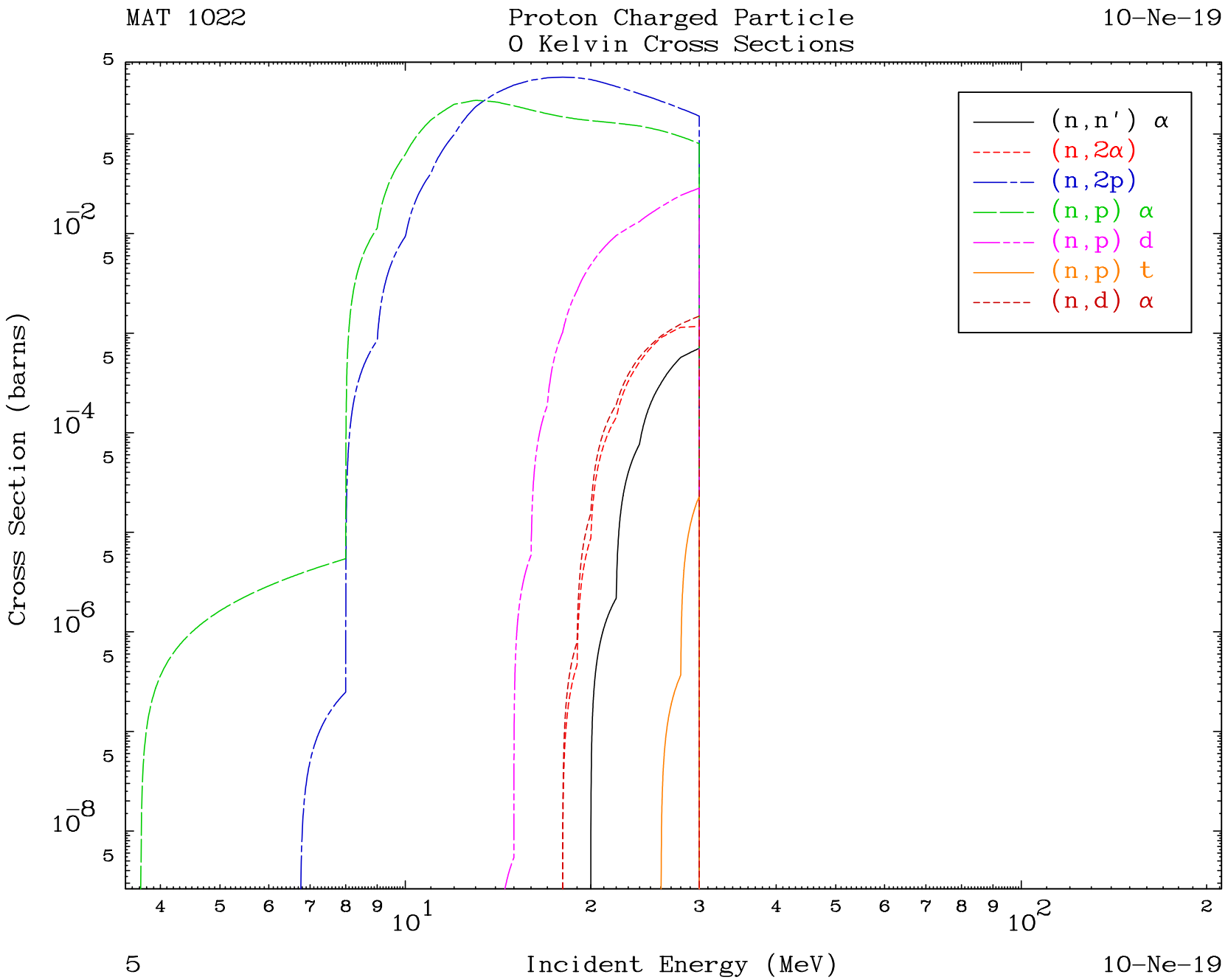
Press Mouse Button to Start

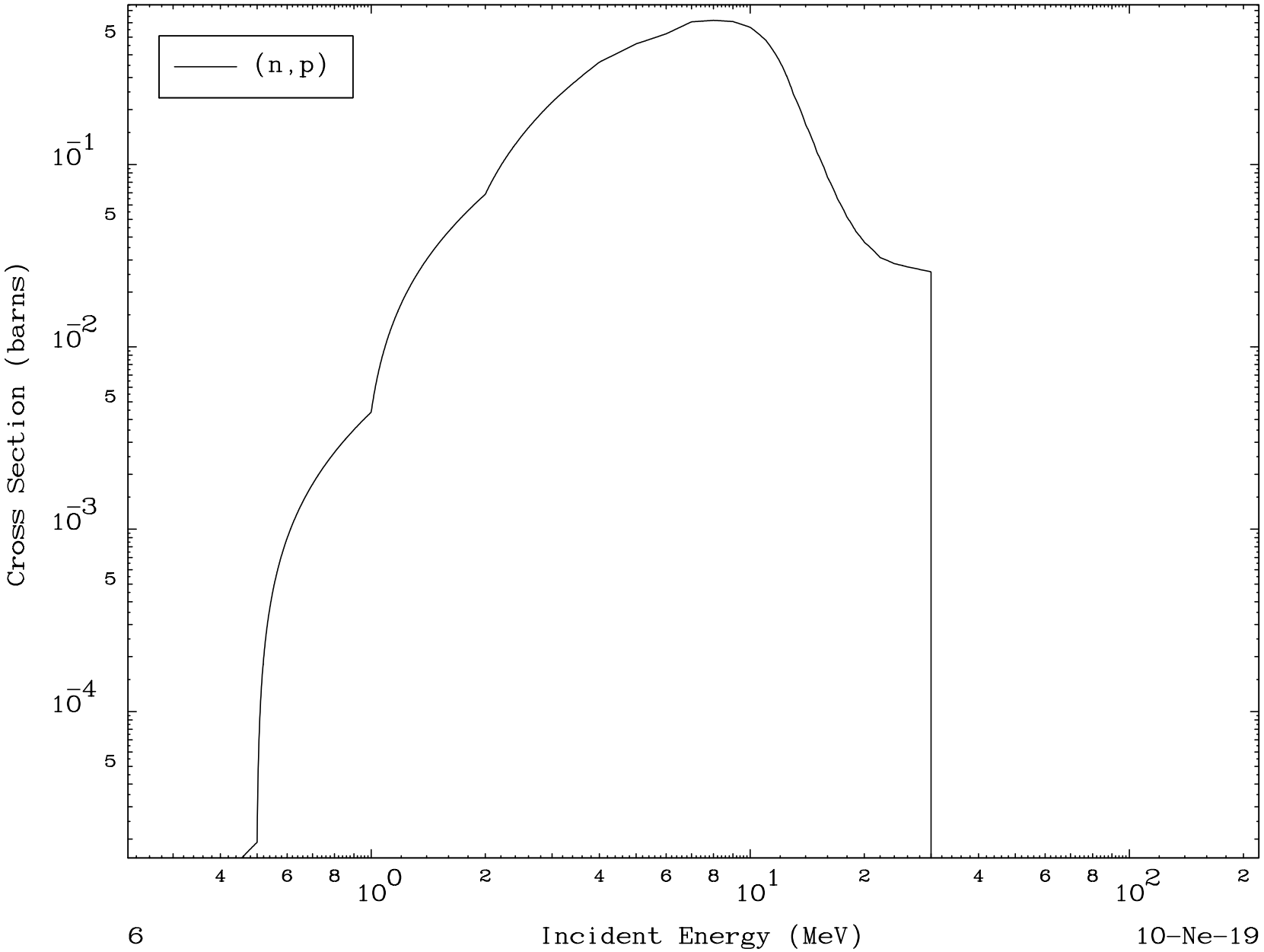

MAT 1022
Proton Major
10-Ne-19
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
10-Ne-19

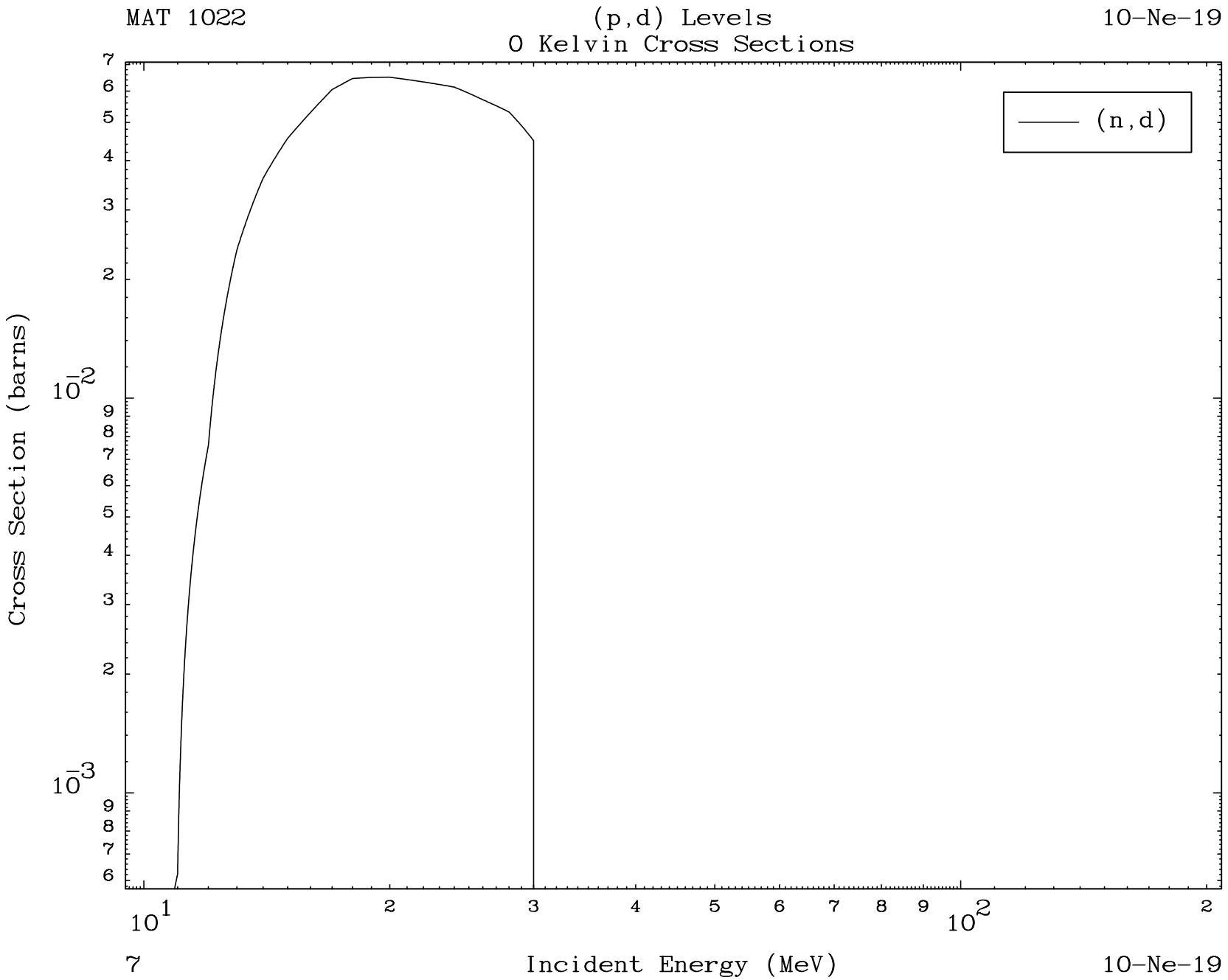

MAT 1022
Proton Neutron Absorption
0 Kelvin Cross Sections
10-Ne-19
(n,n') α
(n,n') p
(n,n') He-3
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
2
10-Ne-19

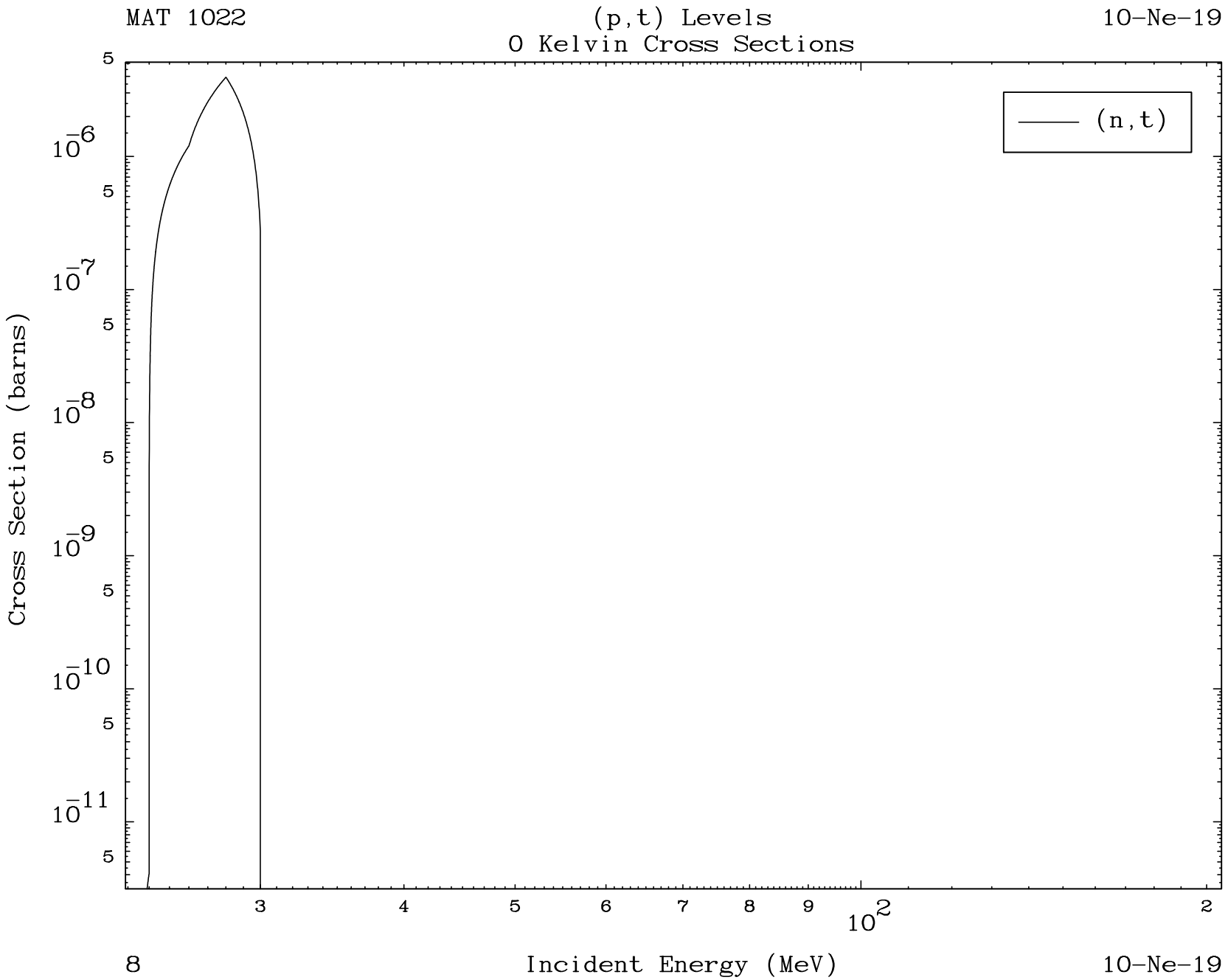

MAT 1022
Proton Neutron Absorption
0 Kelvin Cross Sections
10-Ne-19
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
10-Ne-19

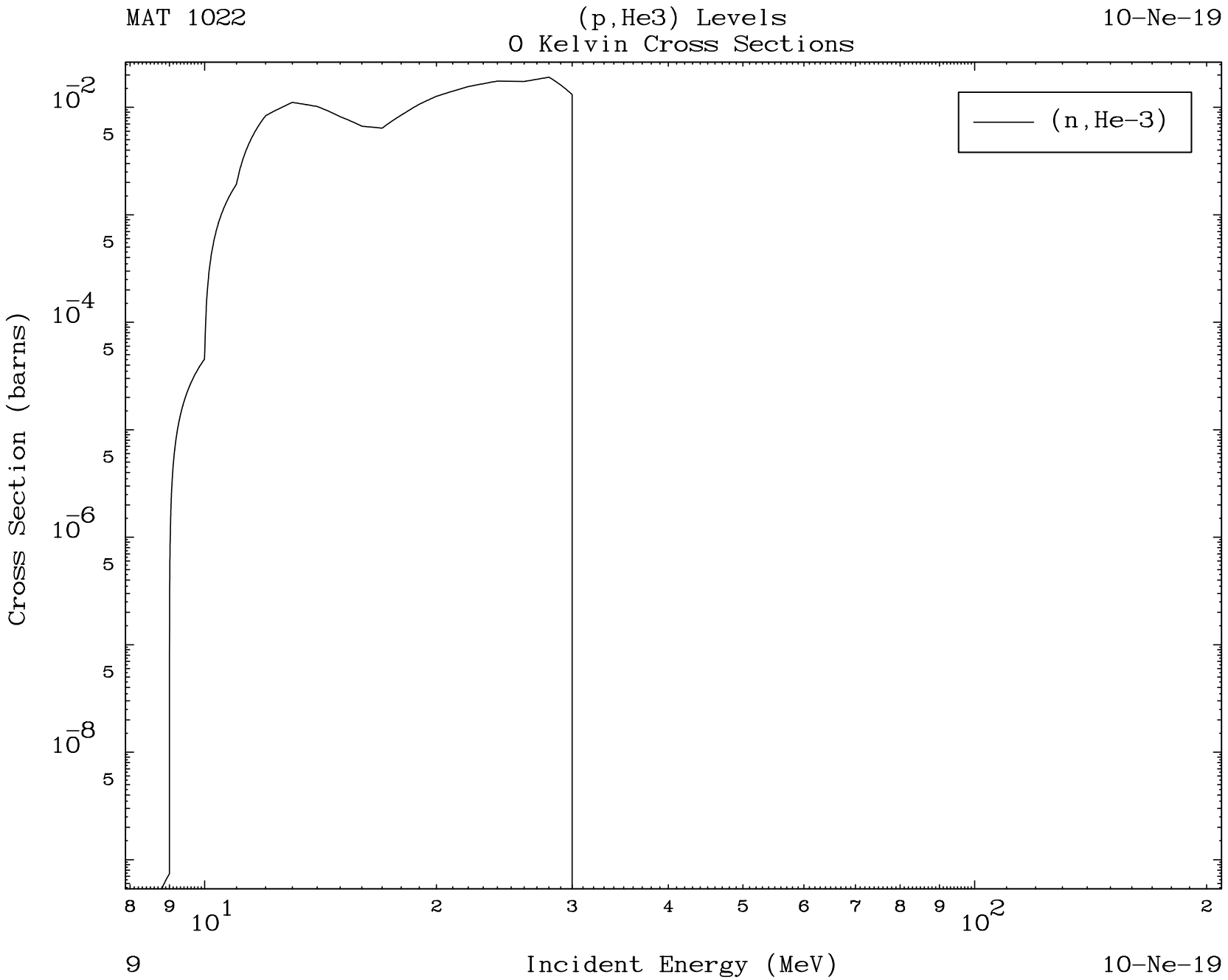

MAT 1022
Proton Charged Particle
0 Kelvin Cross Sections
10-Ne-19
(n,n') α
(n,n') p
(n,n') He-3
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
10-Ne-19

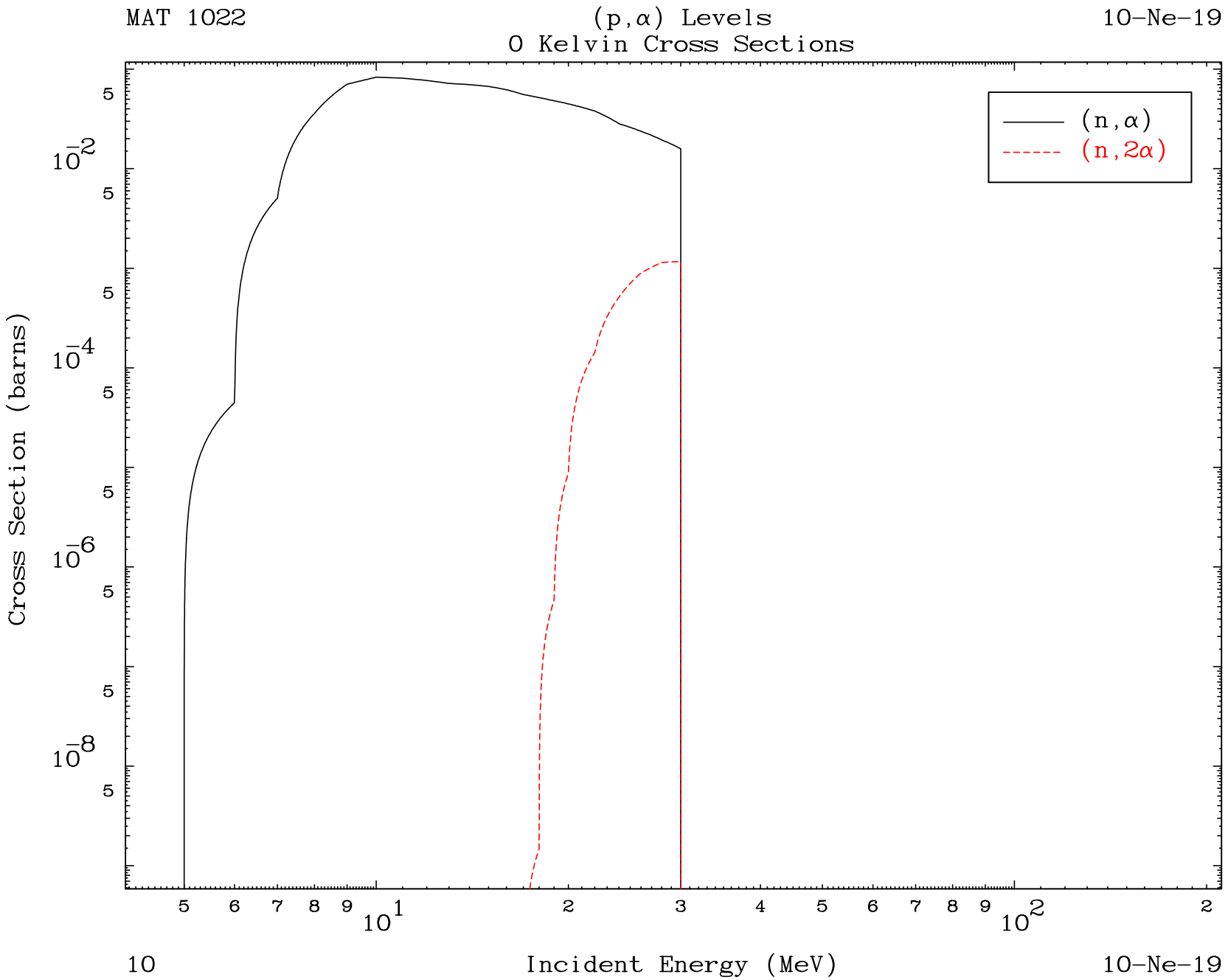

MAT 1022
Proton Charged Particle
0 Kelvin Cross Sections
10-Ne-19
(n,n') α
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
10-Ne-19
5

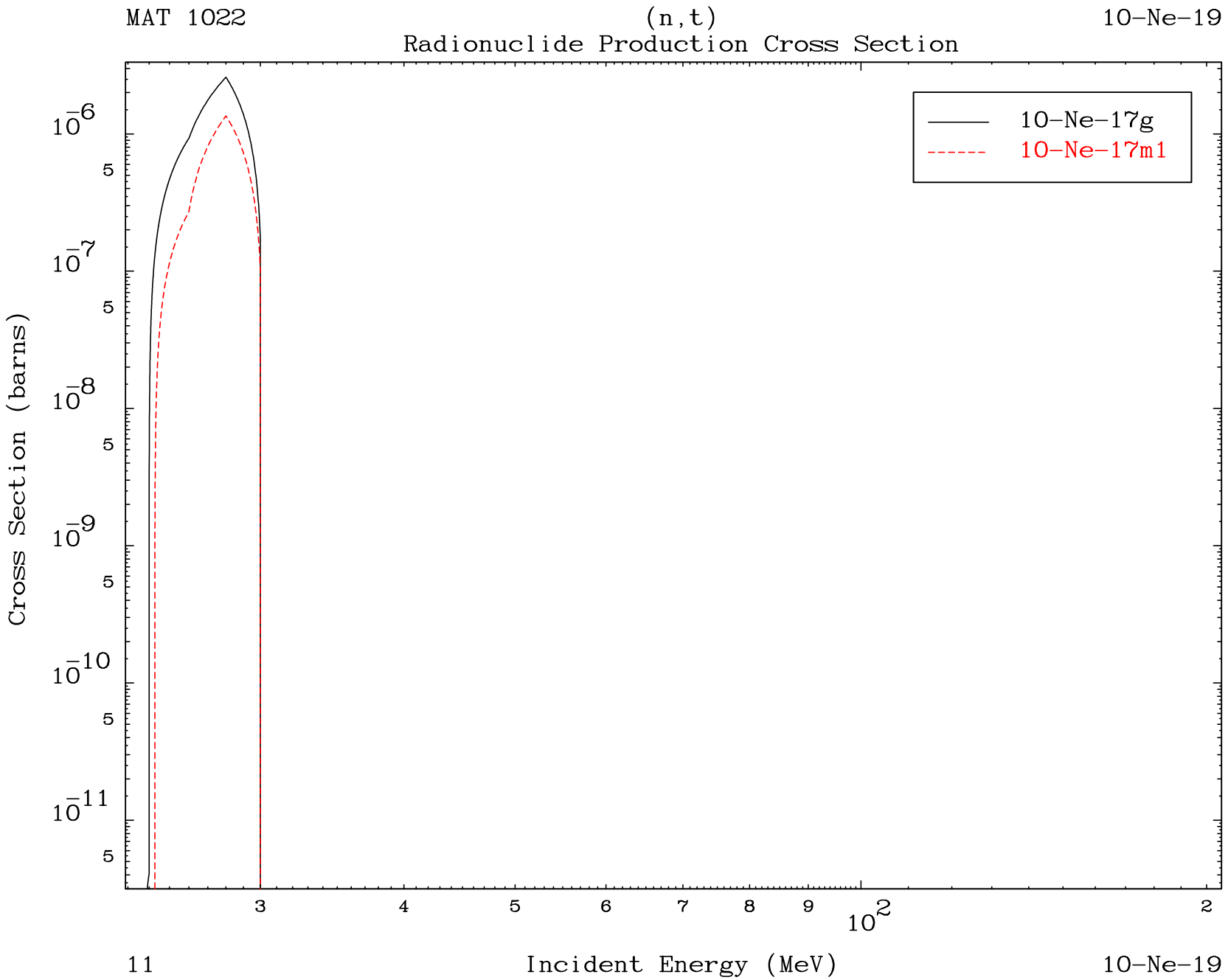

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-1
10^-2
10^-3
10^-4
5
4 6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2
Incident Energy (MeV)


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


MAT 1022
(p,t) Levels
10-Ne-19
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
8
10-Ne-19


MAT 1022
(p,He3) Levels
10-Ne-19
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
10-Ne-19


MAT 1022
(p,α) Levels
10-Ne-19
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
10^1
2
3
4
10^2
Incident Energy (MeV)
10
10-Ne-19


MAT 1022
(n,t)
10-Ne-19
Radionuclide Production Cross Section
10-Ne-17g
10-Ne-17m1
Cross Section (barns)
Incident Energy (MeV)
11
10-Ne-19