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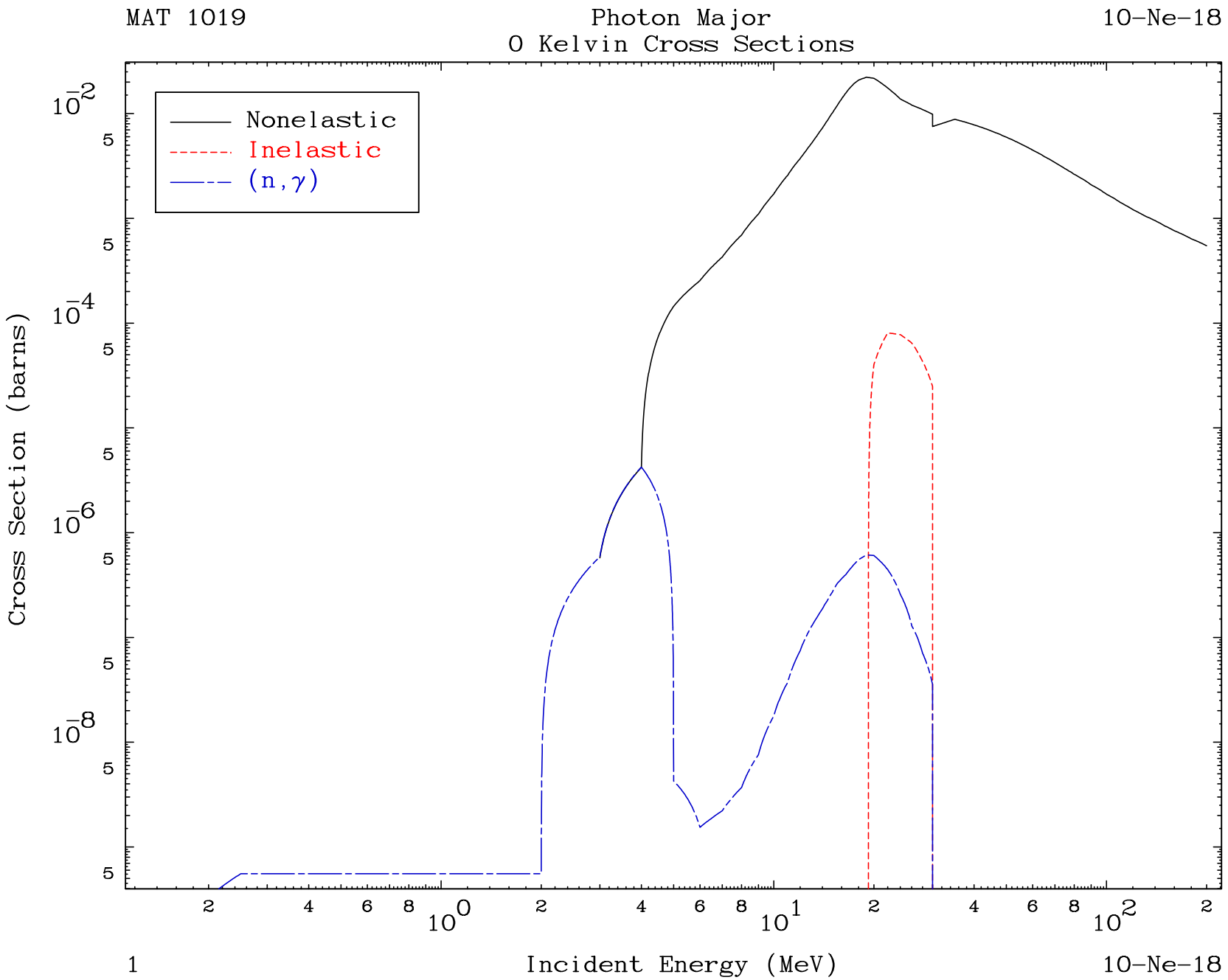
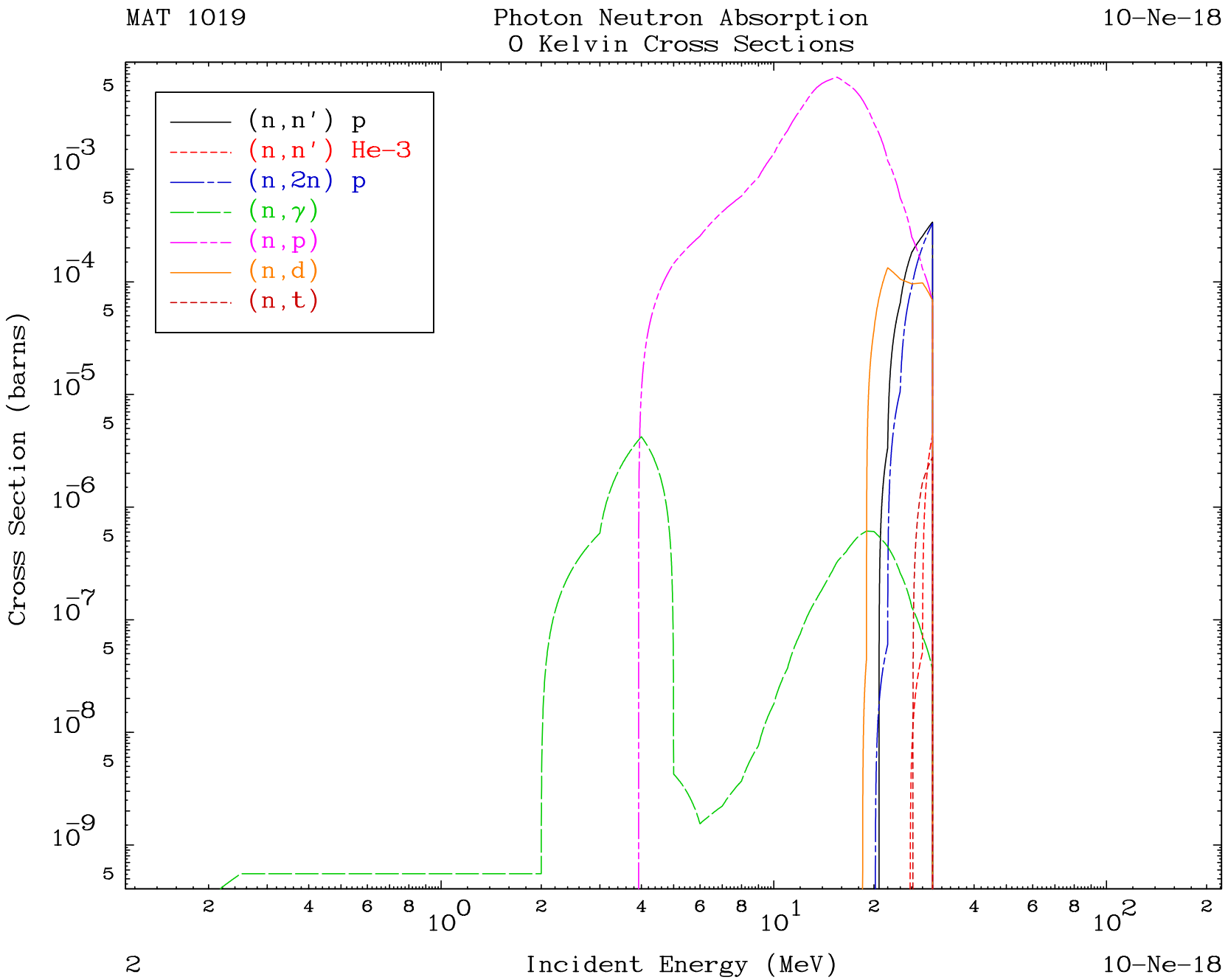
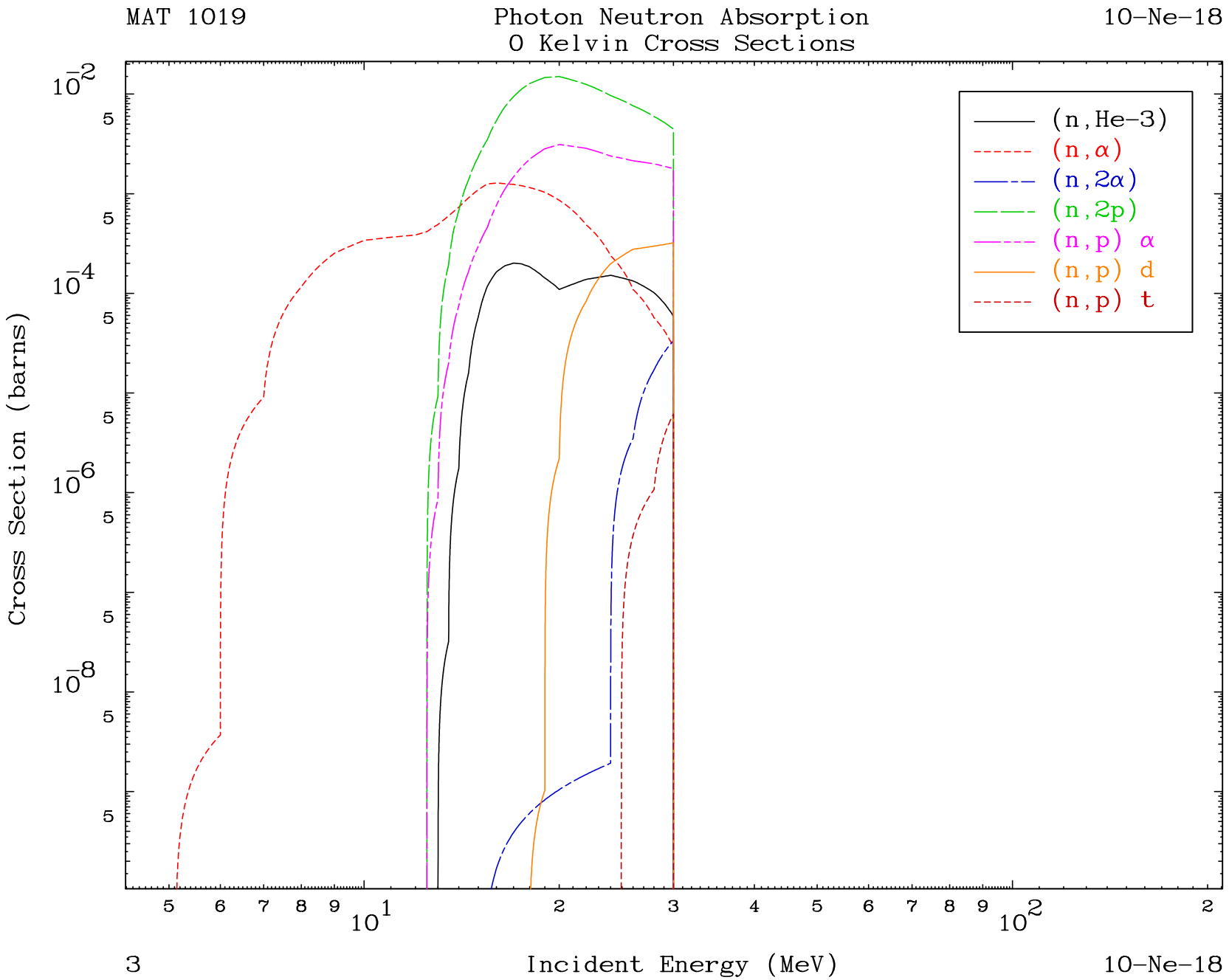
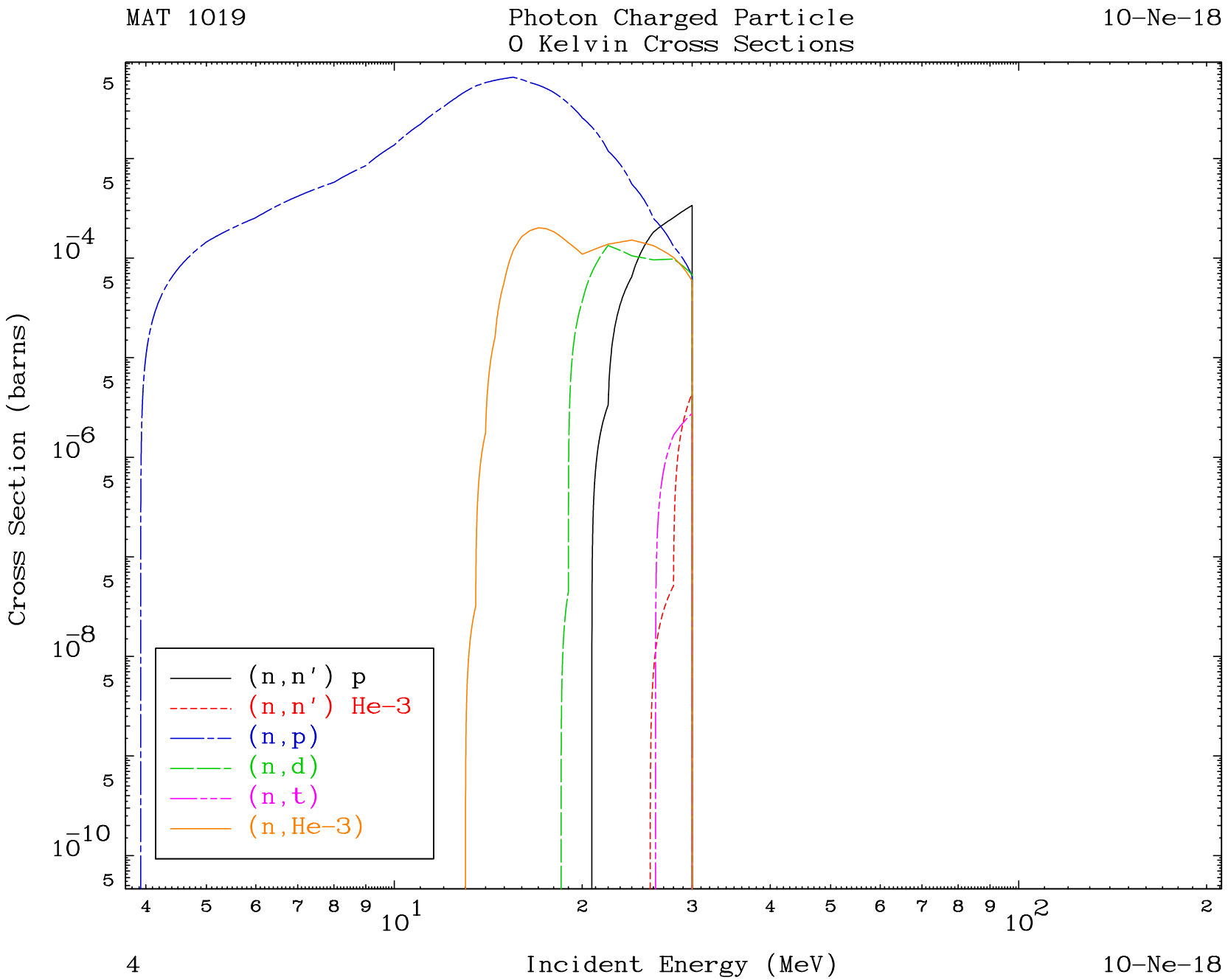
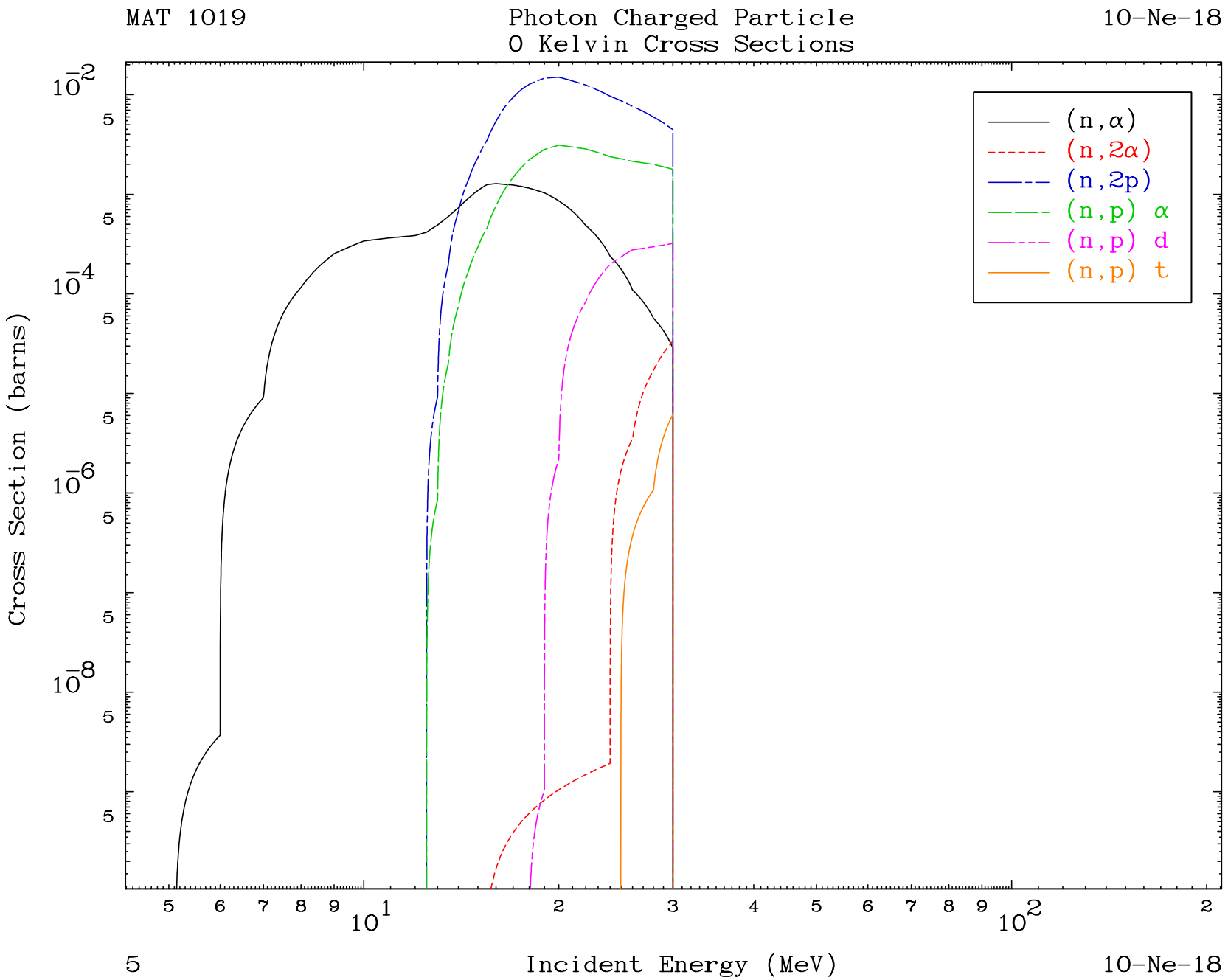
Press Mouse Button to Start

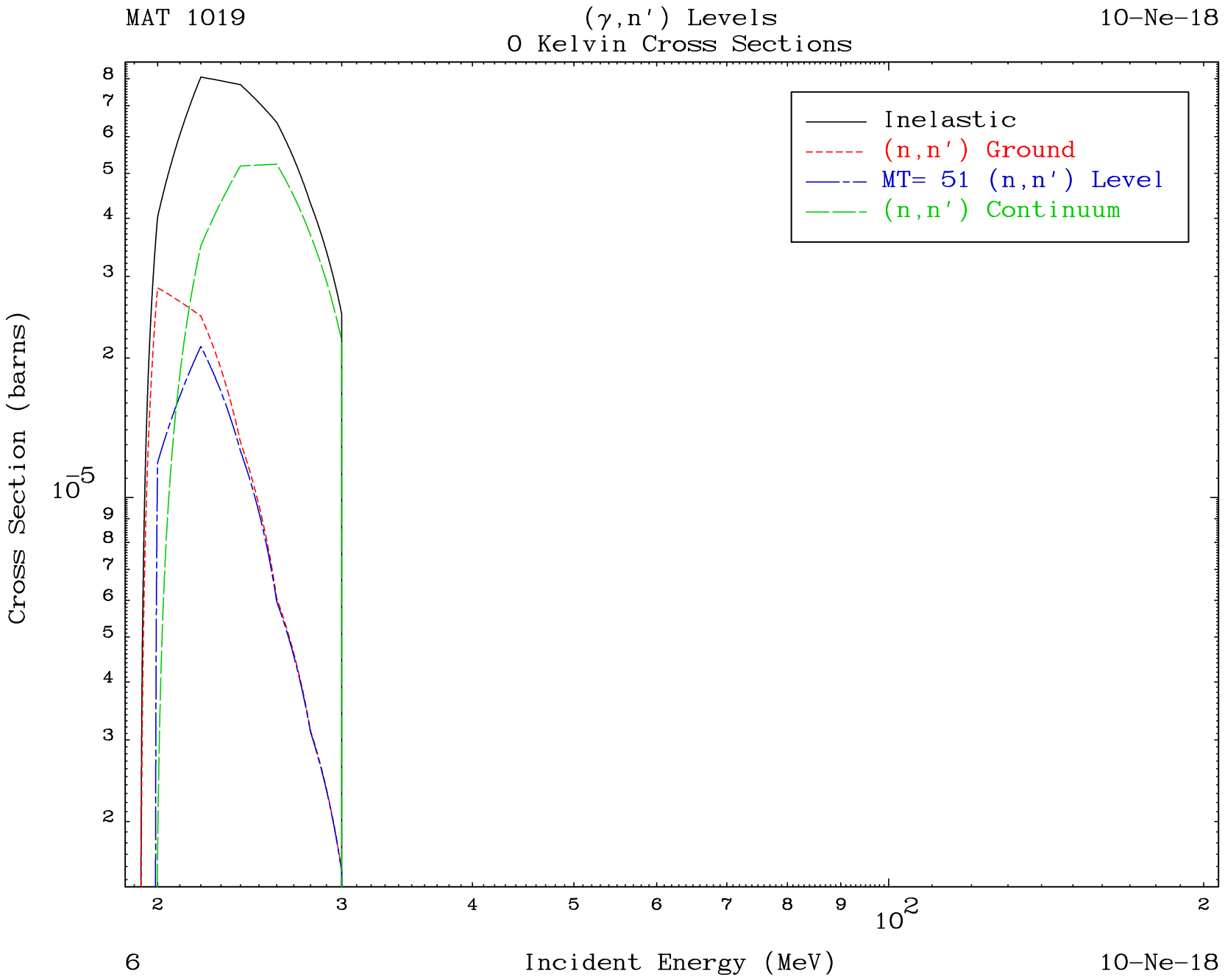

MAT 1019
Photon Major
10-Ne-18
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
10-Ne-18

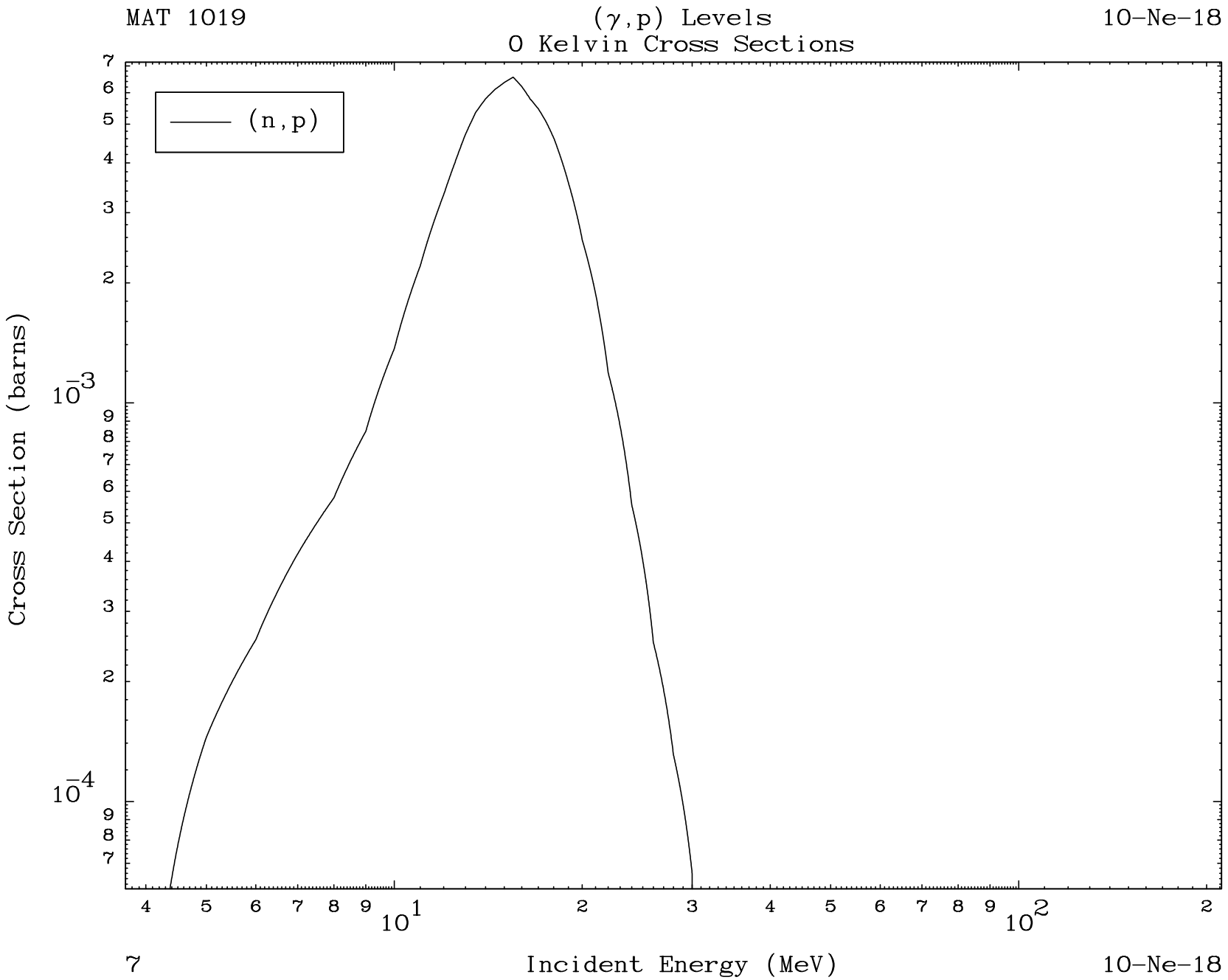

MAT 1019
Photon Neutron Absorption
0 Kelvin Cross Sections
10-Ne-18
(n,n') p
(n,n') He-3
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
2
10-Ne-18

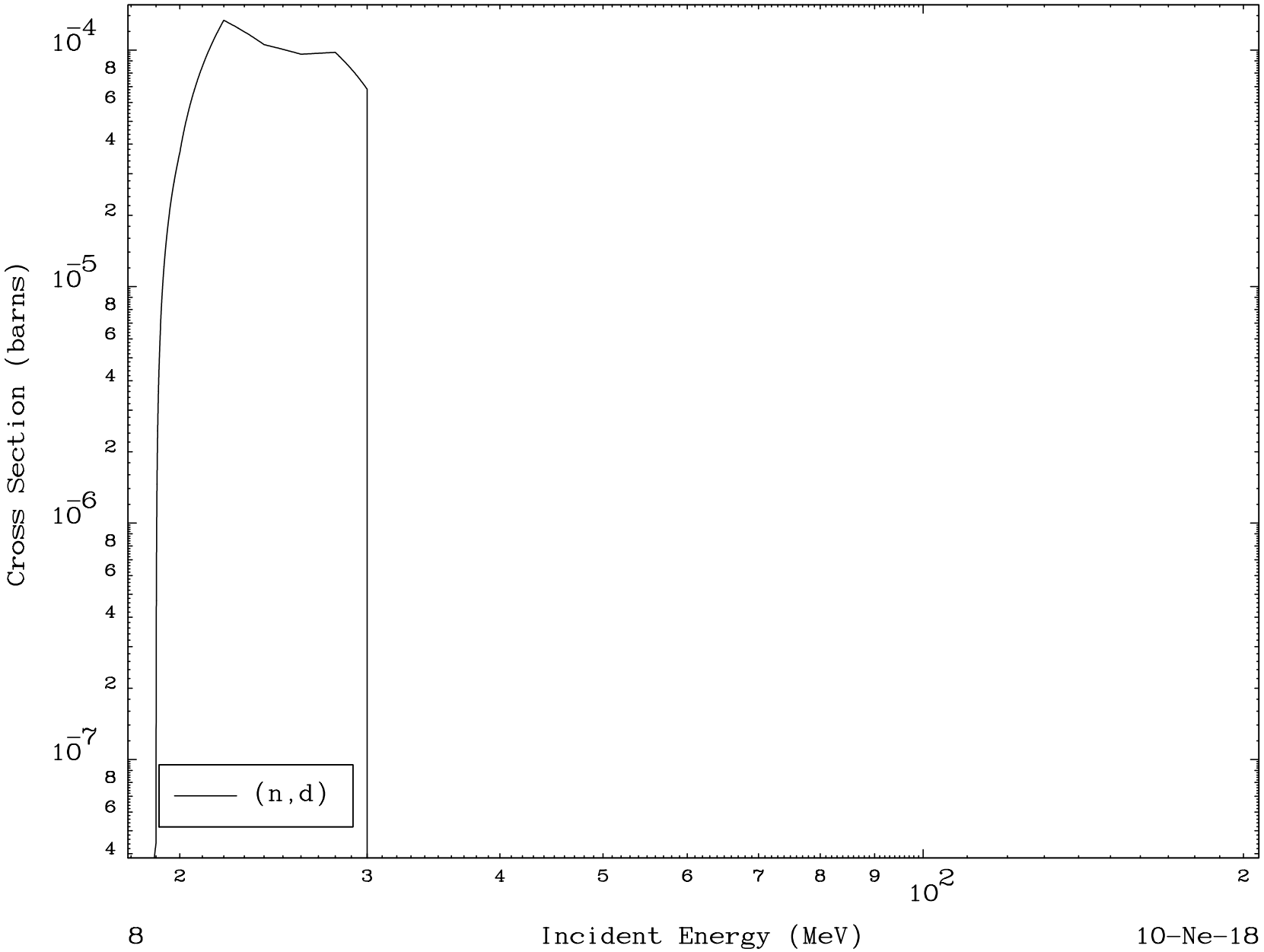

MAT 1019
Photon Neutron Absorption
0 Kelvin Cross Sections
10-Ne-18
Cross Section (barns)
Incident Energy (MeV)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
3
10-Ne-18


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

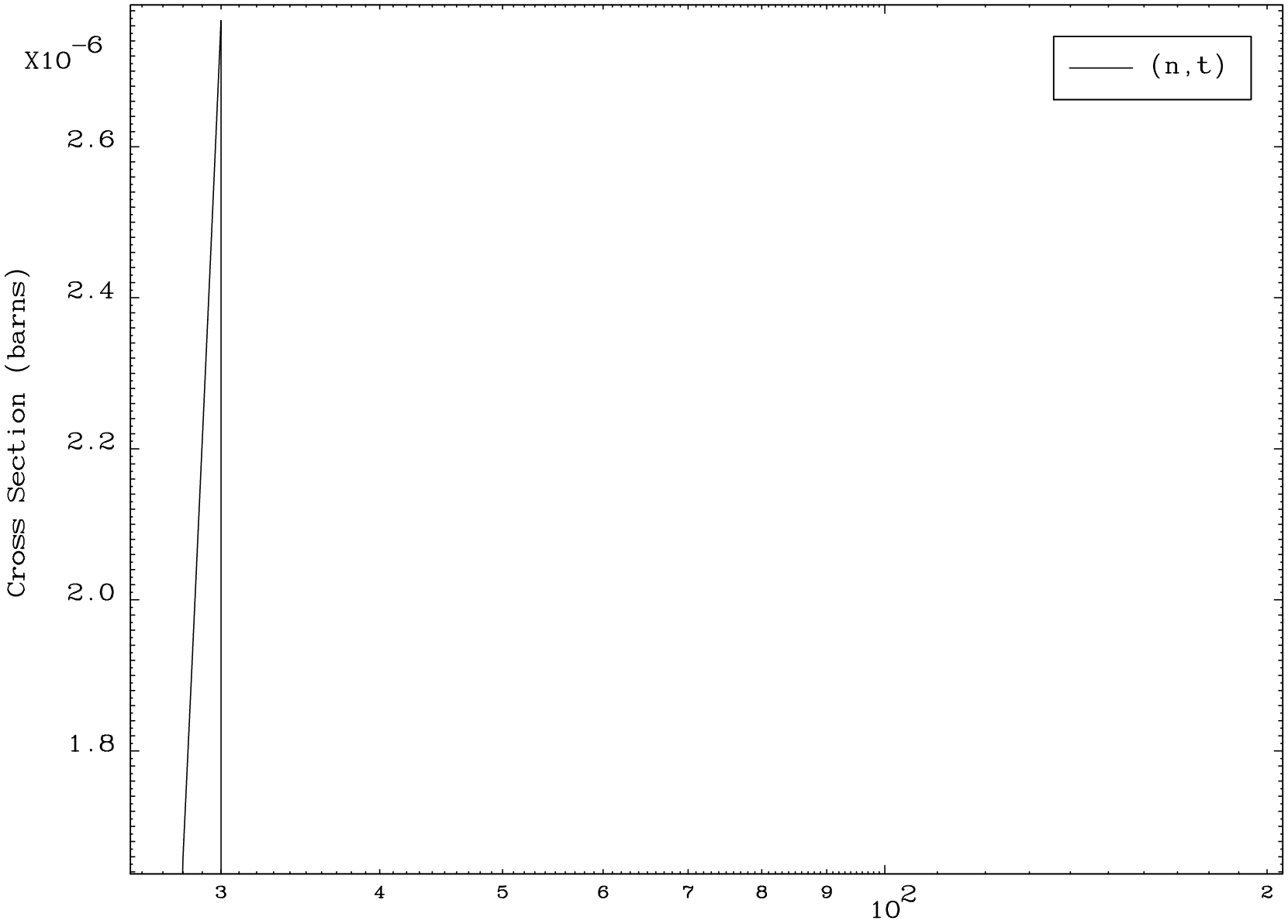

MAT 1019
Photon Charged Particle
0 Kelvin Cross Sections
10-Ne-18
Cross Section (barns)
Incident Energy (MeV)
10-Ne-18
5
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t

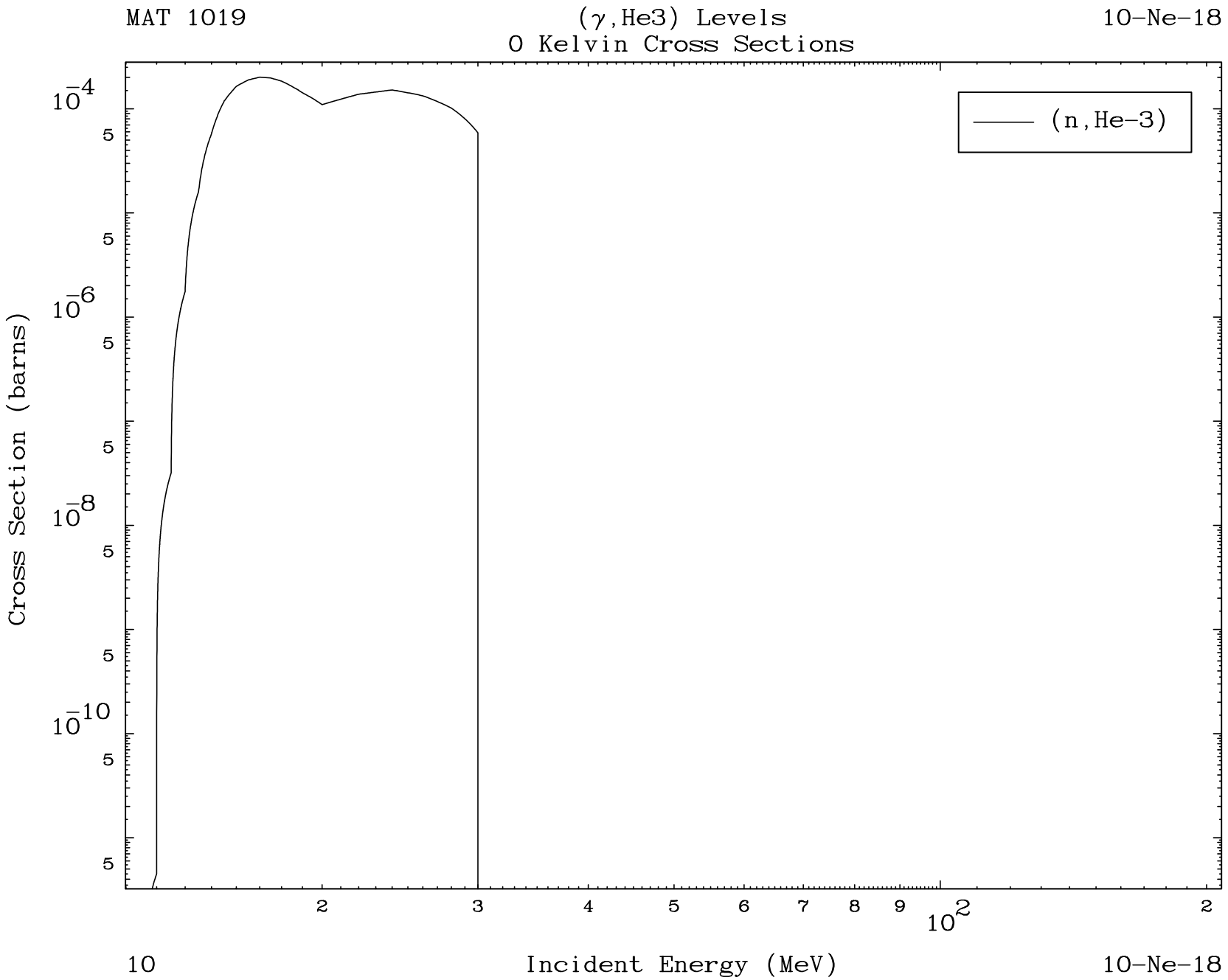

MAT 1019
(γ,n') Levels
10-Ne-18
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10^5
10^2
Incident Energy (MeV)
6
10-Ne-18

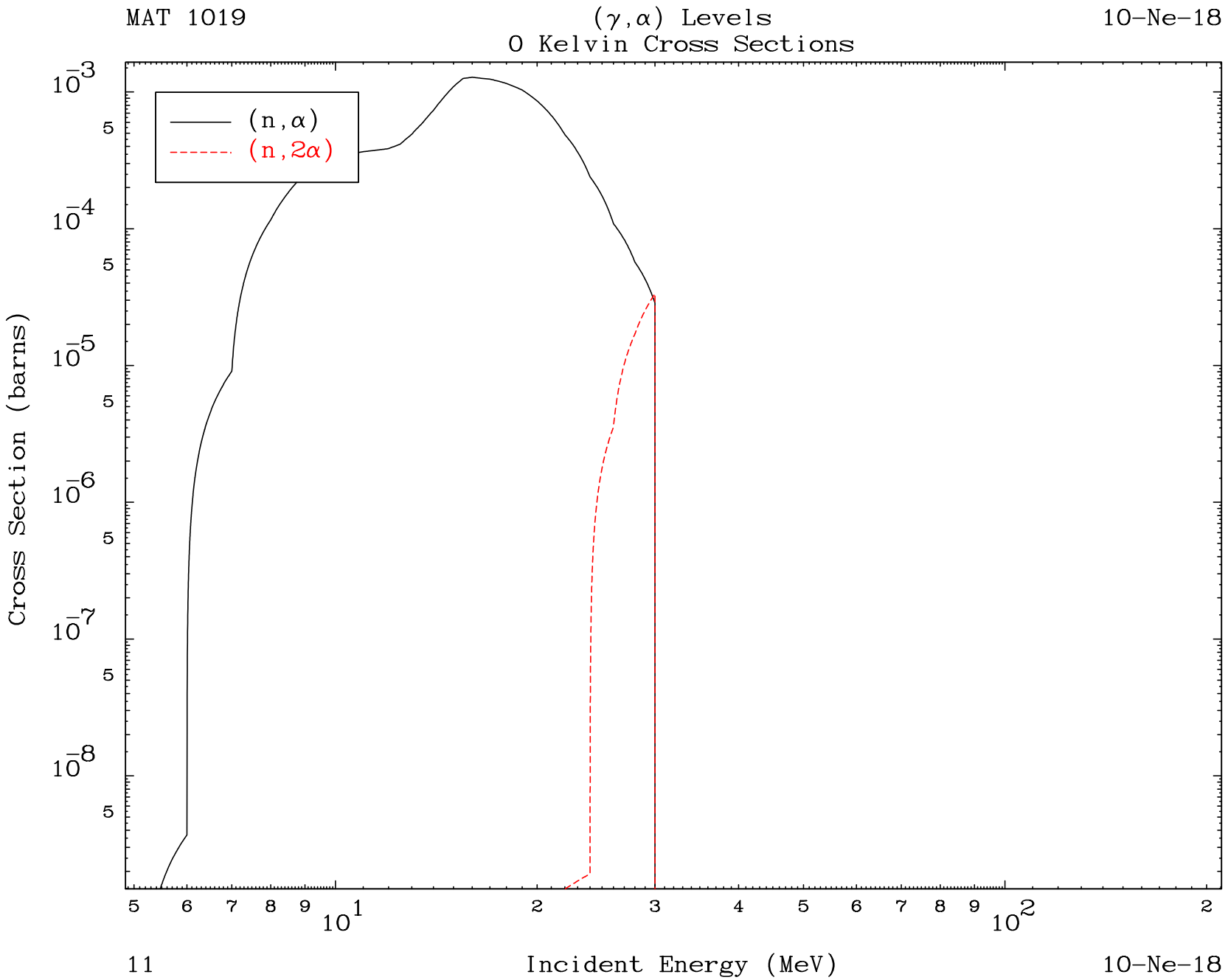

MAT 1019
(γ,p) Levels
10-Ne-18
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
10-Ne-18

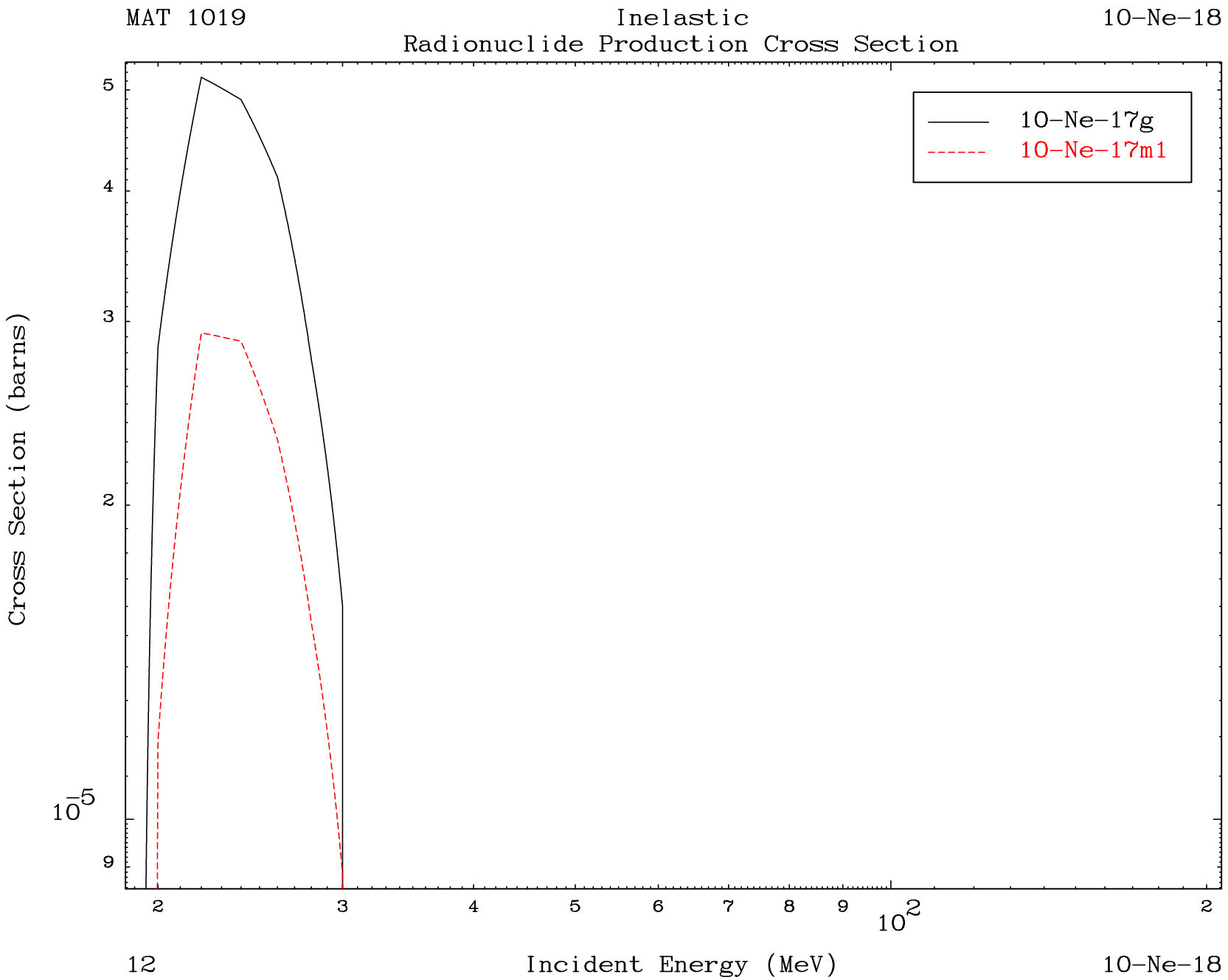

0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-5
10^-6
10^-7
8
6
4
2
(n,d)
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

0 Kelvin Cross Sections




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


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


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