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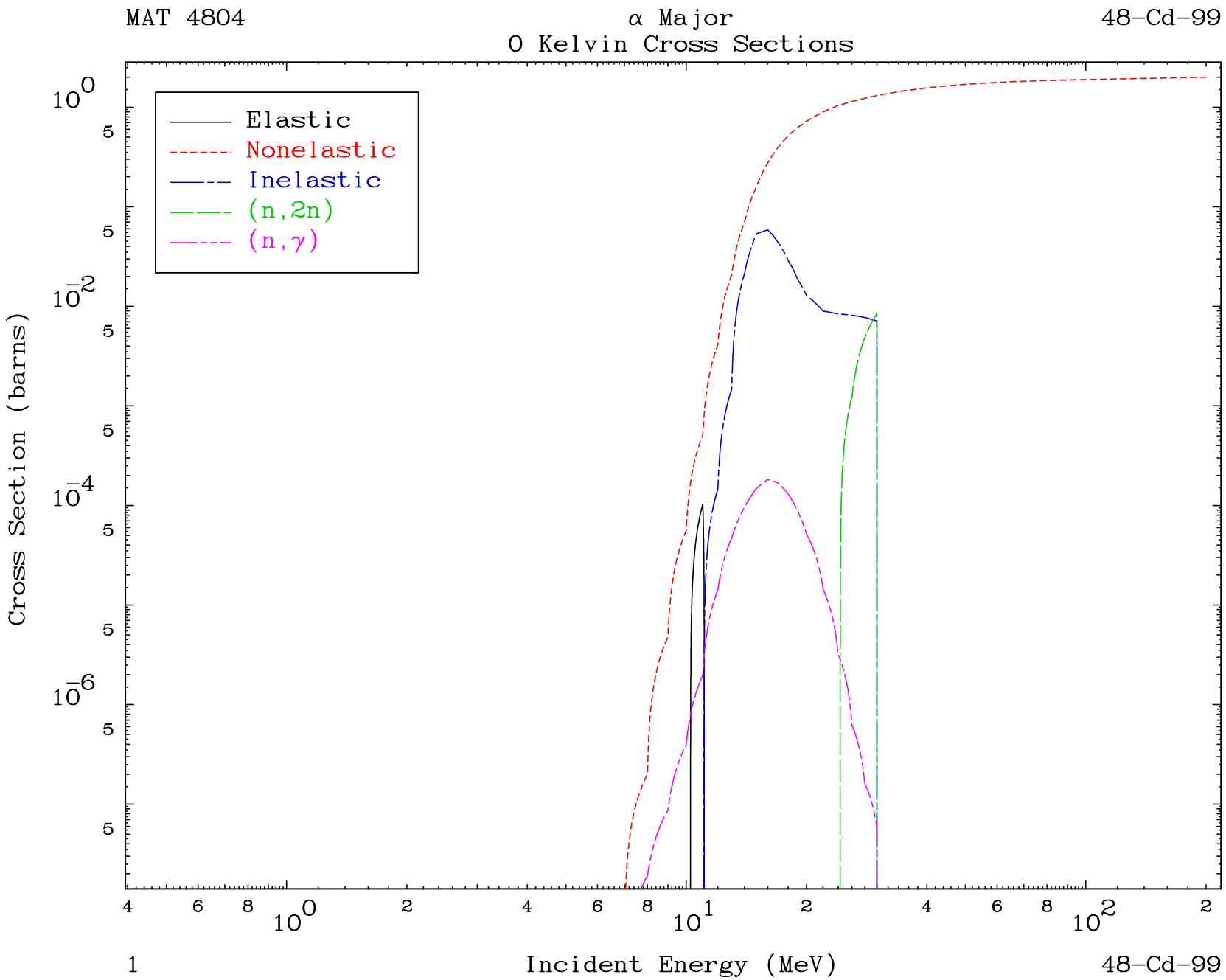
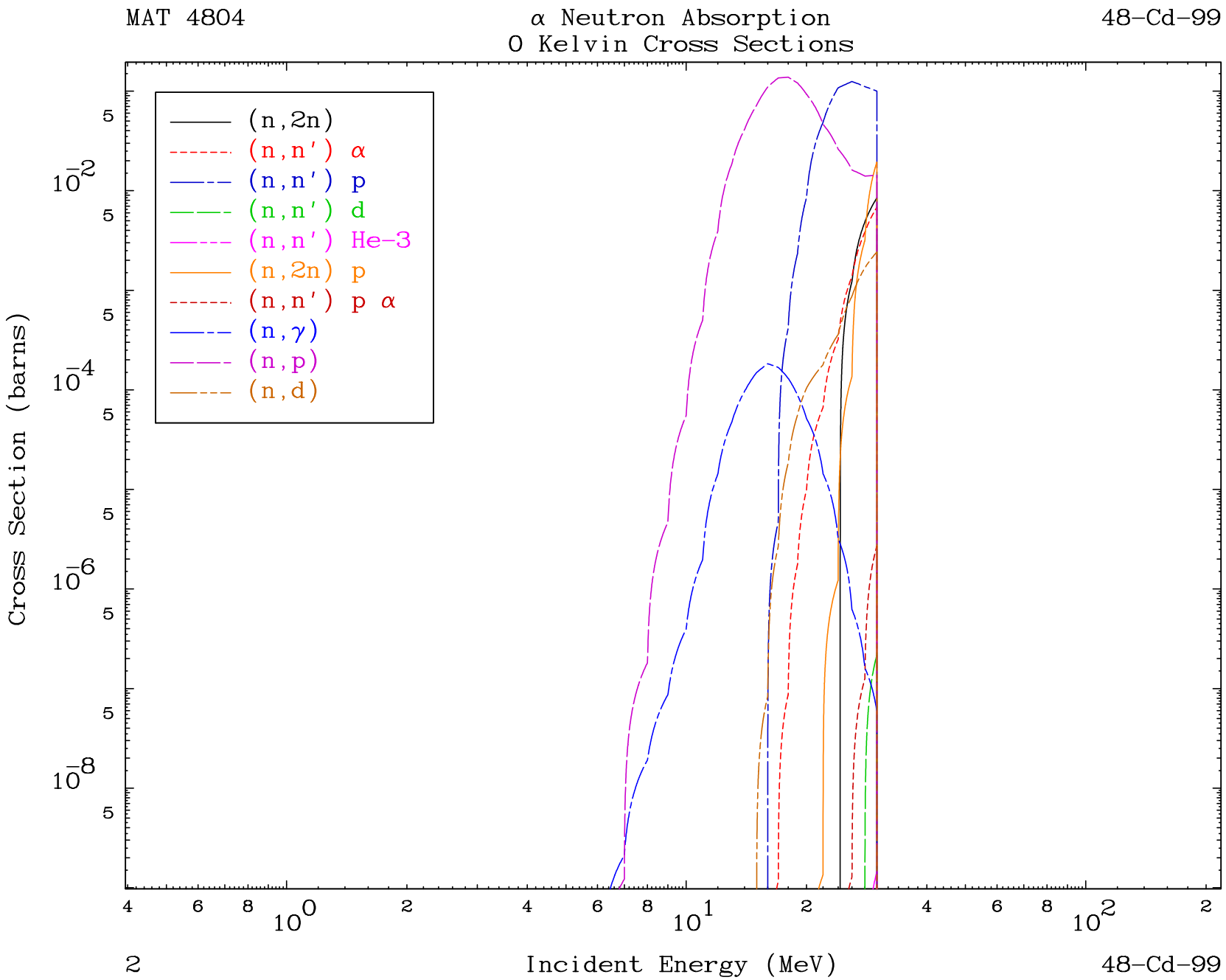
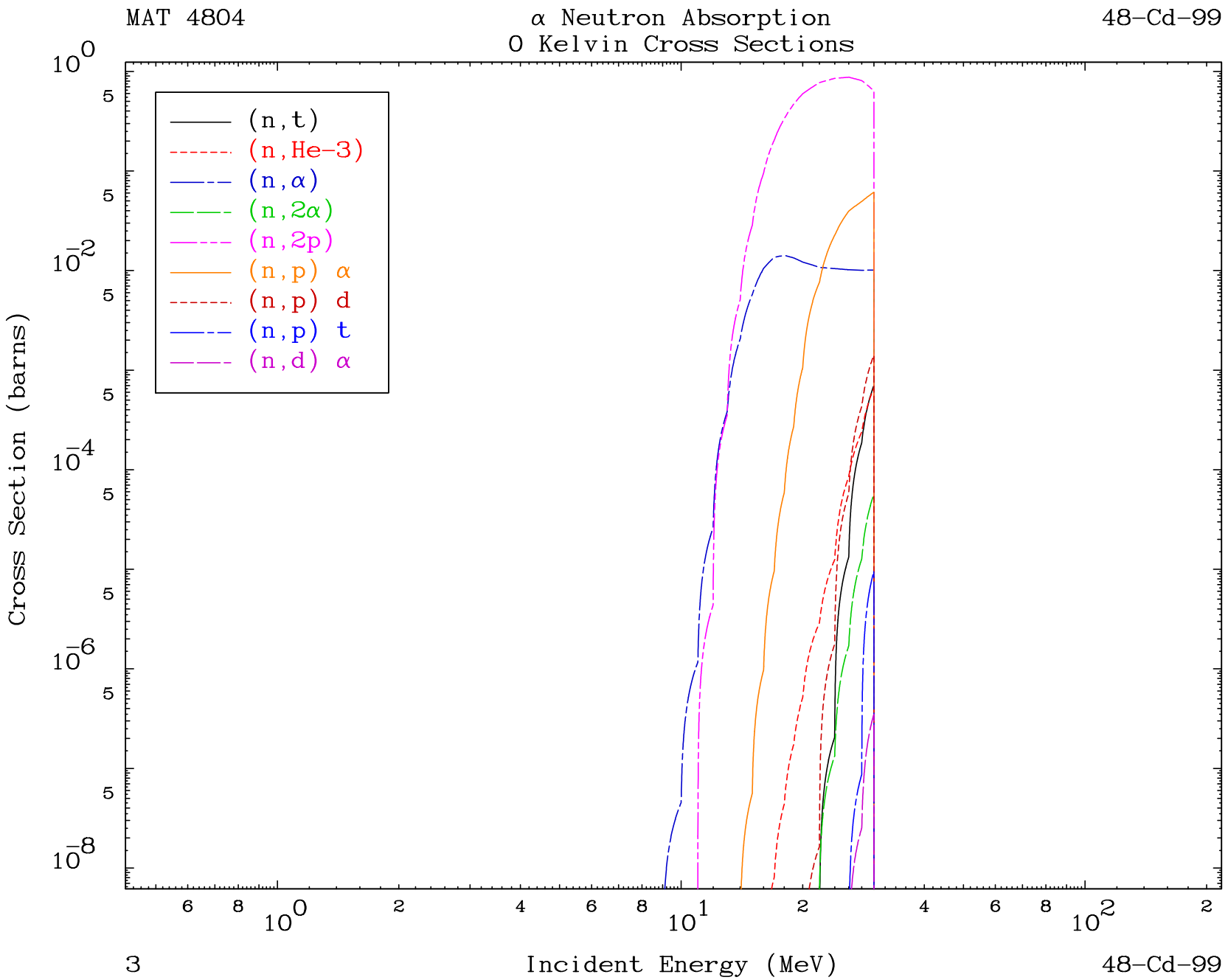
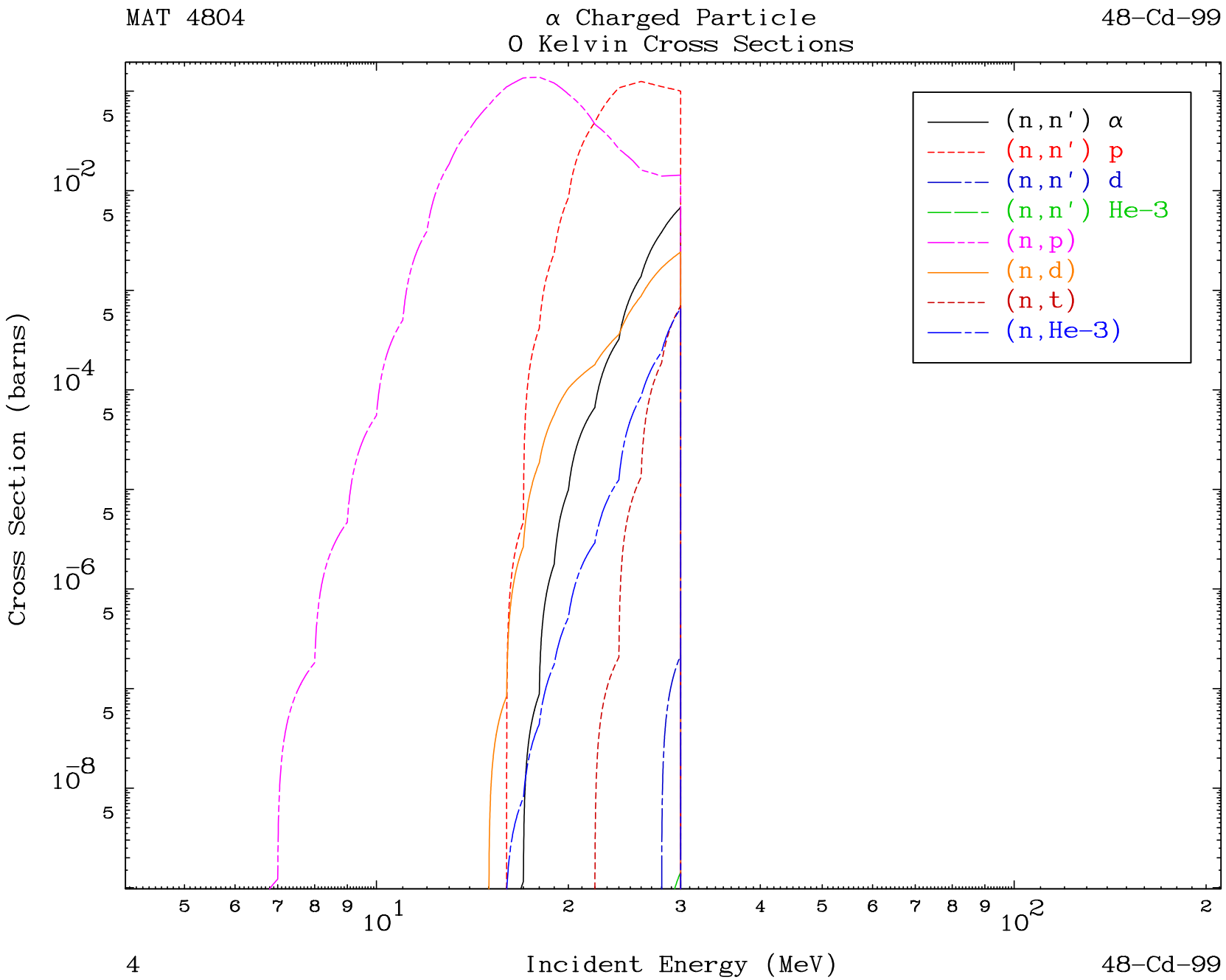
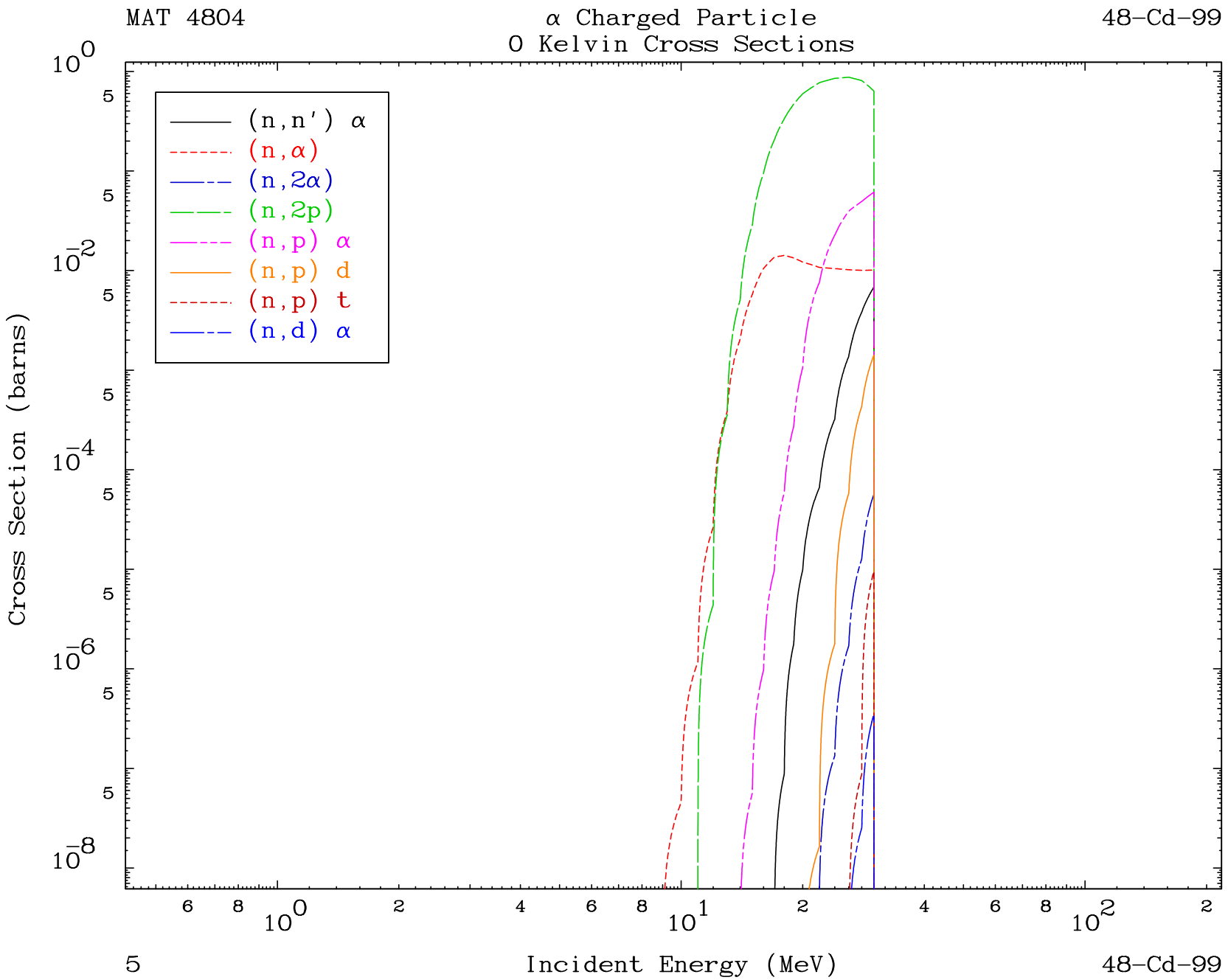
Press Mouse Button to Start

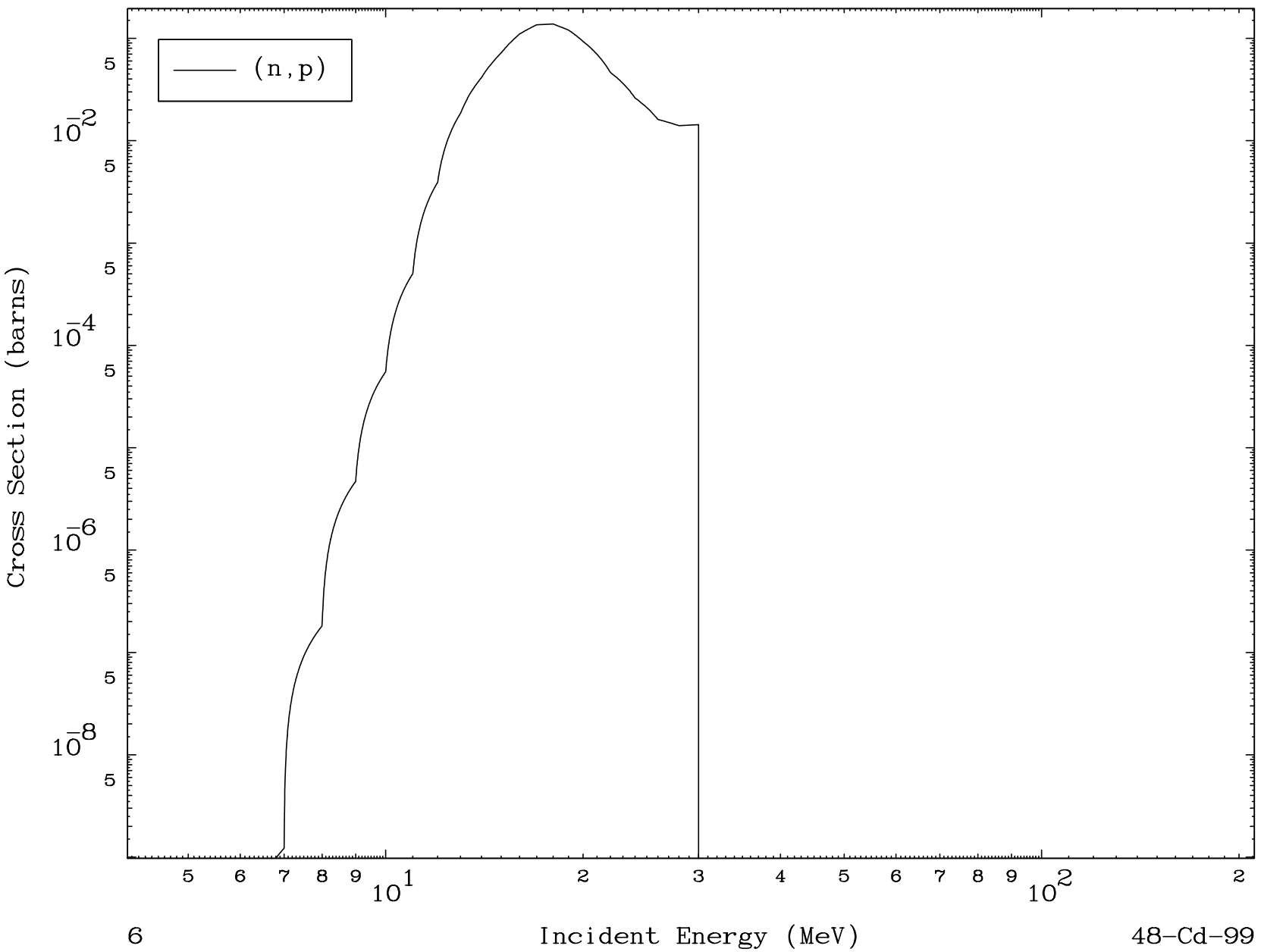

MAT 4804
α Major
48-Cd-99
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-99

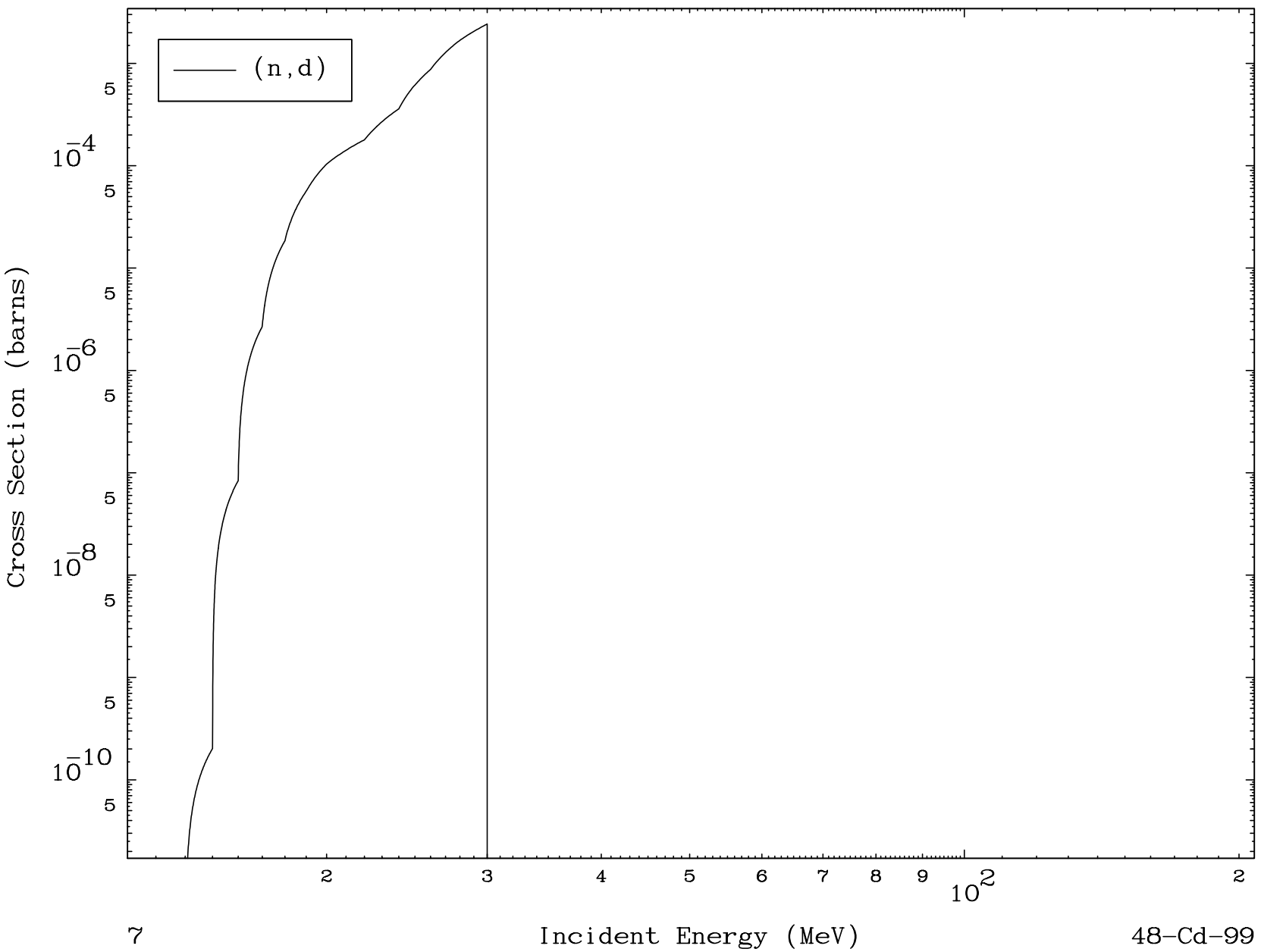

MAT 4804
α Neutron Absorption
0 Kelvin Cross Sections
48-Cd-99
(n,2n)
(n,n') α
(n,n') p
(n,n') d
(n,n') He-3
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
2
48-Cd-99


MAT 4804
α Neutron Absorption
0 Kelvin Cross Sections
48-Cd-99
(n,t)
(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
48-Cd-99

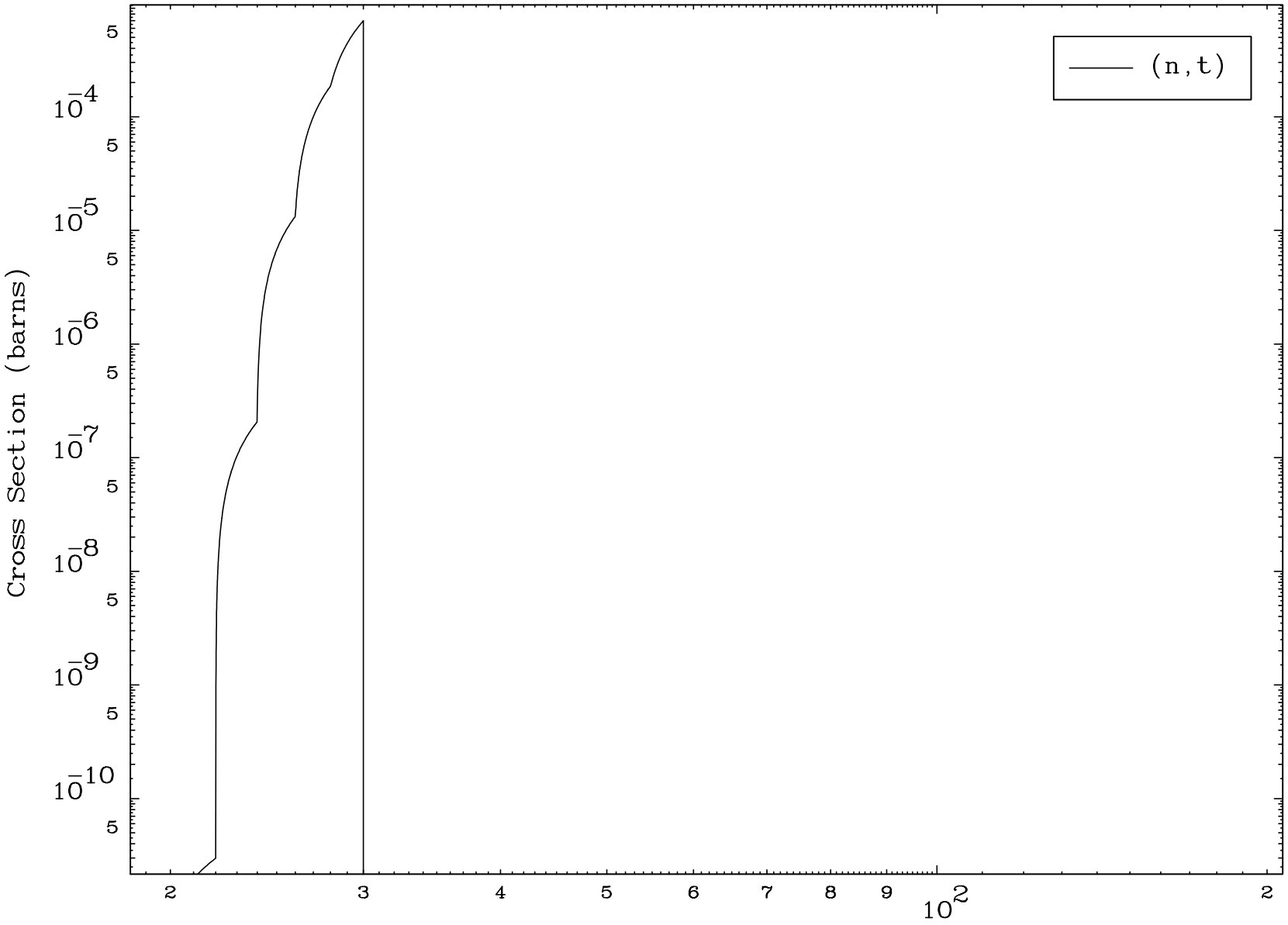

MAT 4804
α Charged Particle
0 Kelvin Cross Sections
48-Cd-99
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') p
(n,n') d
(n,n') He-3
(n,p)
(n,d)
(n,t)
(n,He-3)
4
48-Cd-99

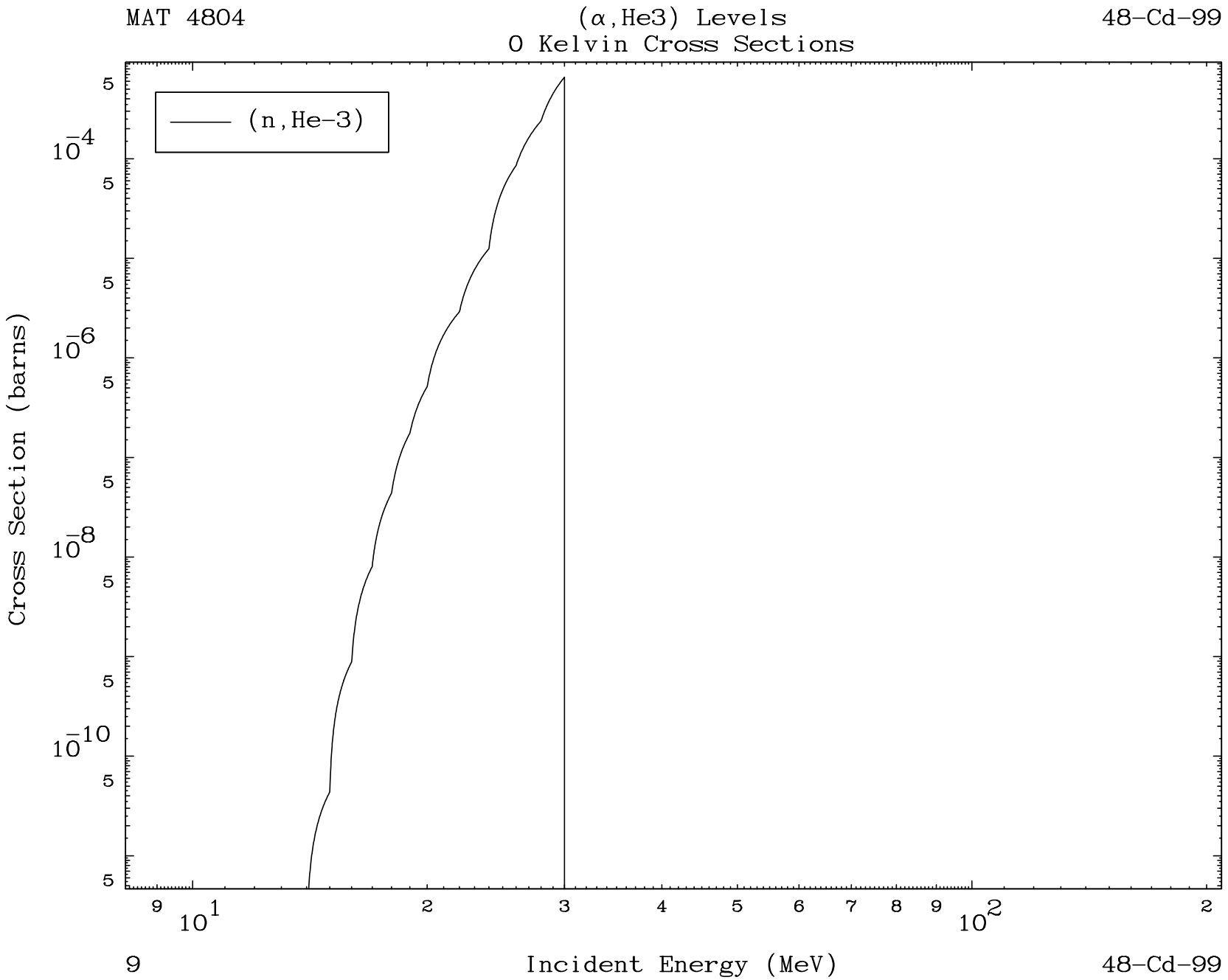

MAT 4804
α Charged Particle
0 Kelvin Cross Sections
48-Cd-99
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
48-Cd-99
5

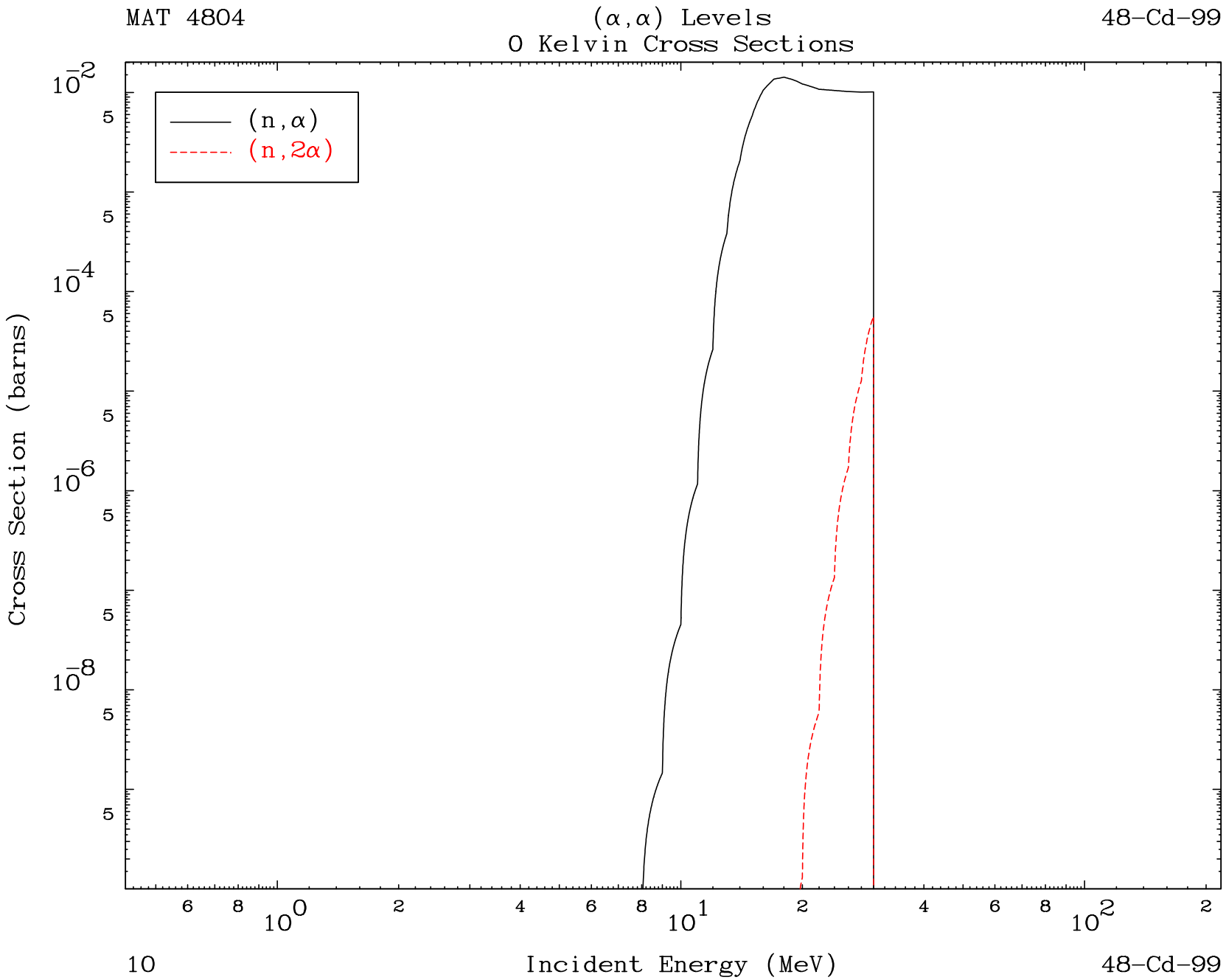

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

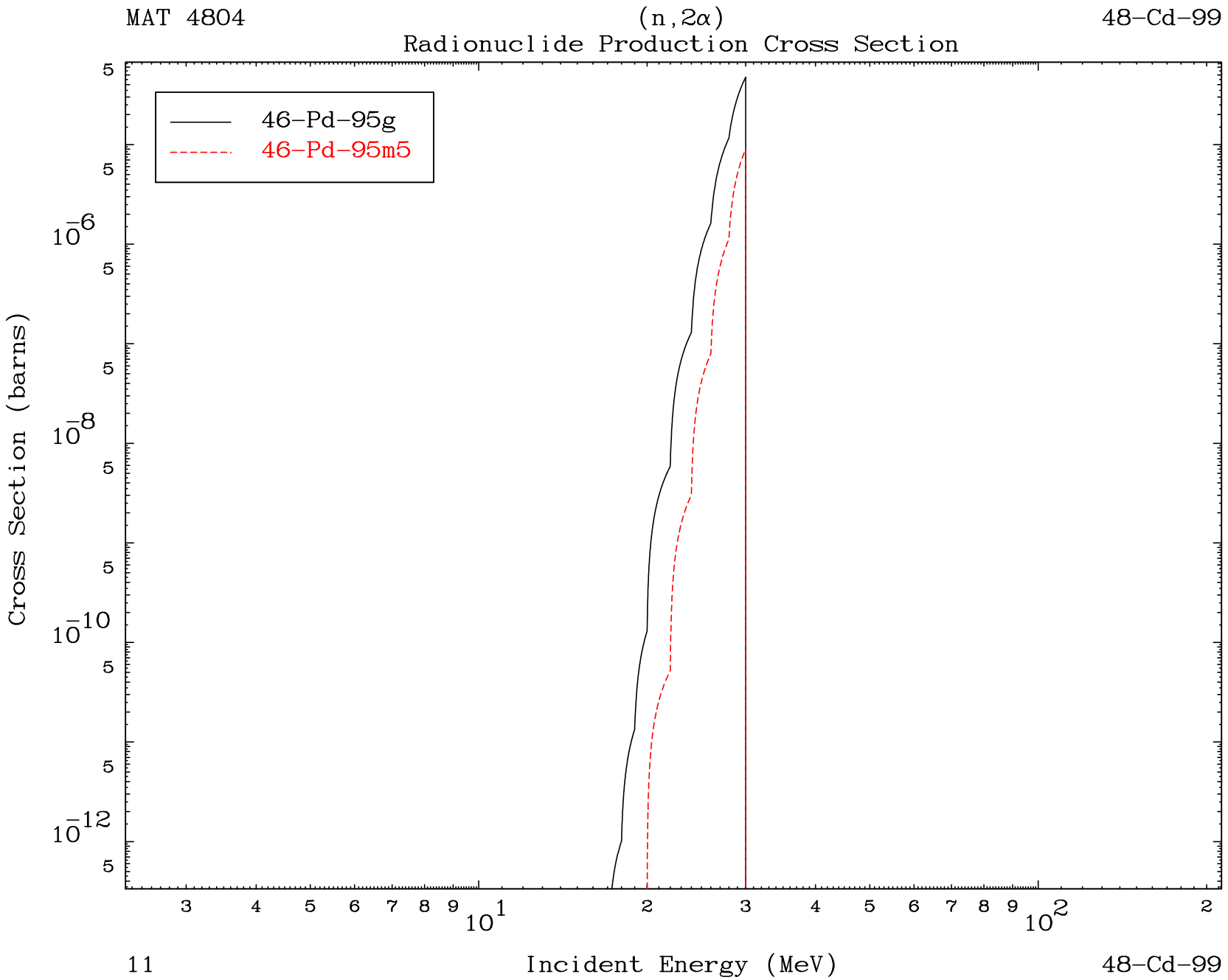

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

0 Kelvin Cross Sections




MAT 4804
(α,He3) Levels
48-Cd-99
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
48-Cd-99


MAT 4804
(α,α) Levels
48-Cd-99
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-99


MAT 4804
(n,2α)
48-Cd-99
Radionuclide Production Cross Section
46-Pd-95g
46-Pd-95m5
Cross Section (barns)
Incident Energy (MeV)
11
48-Cd-99