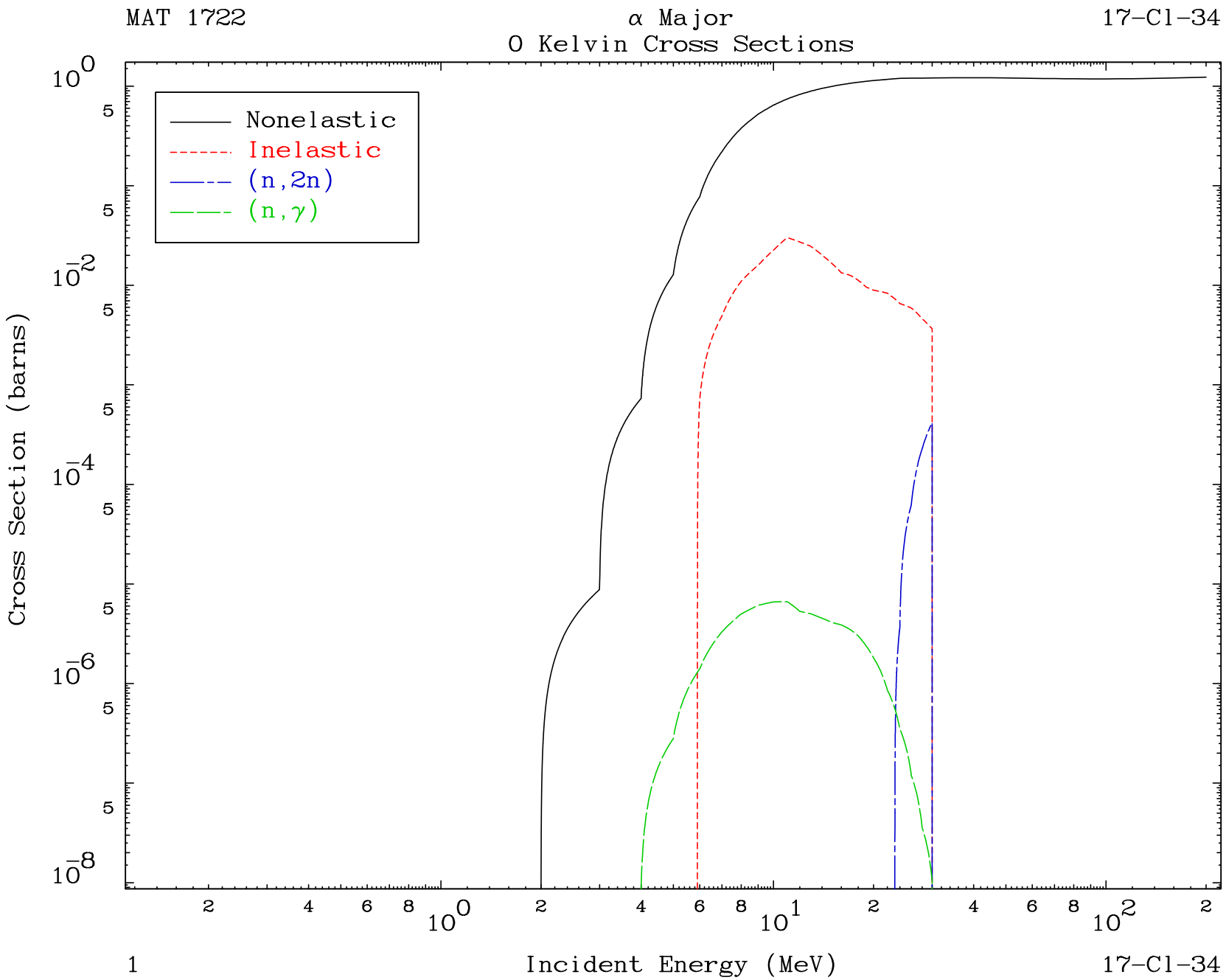
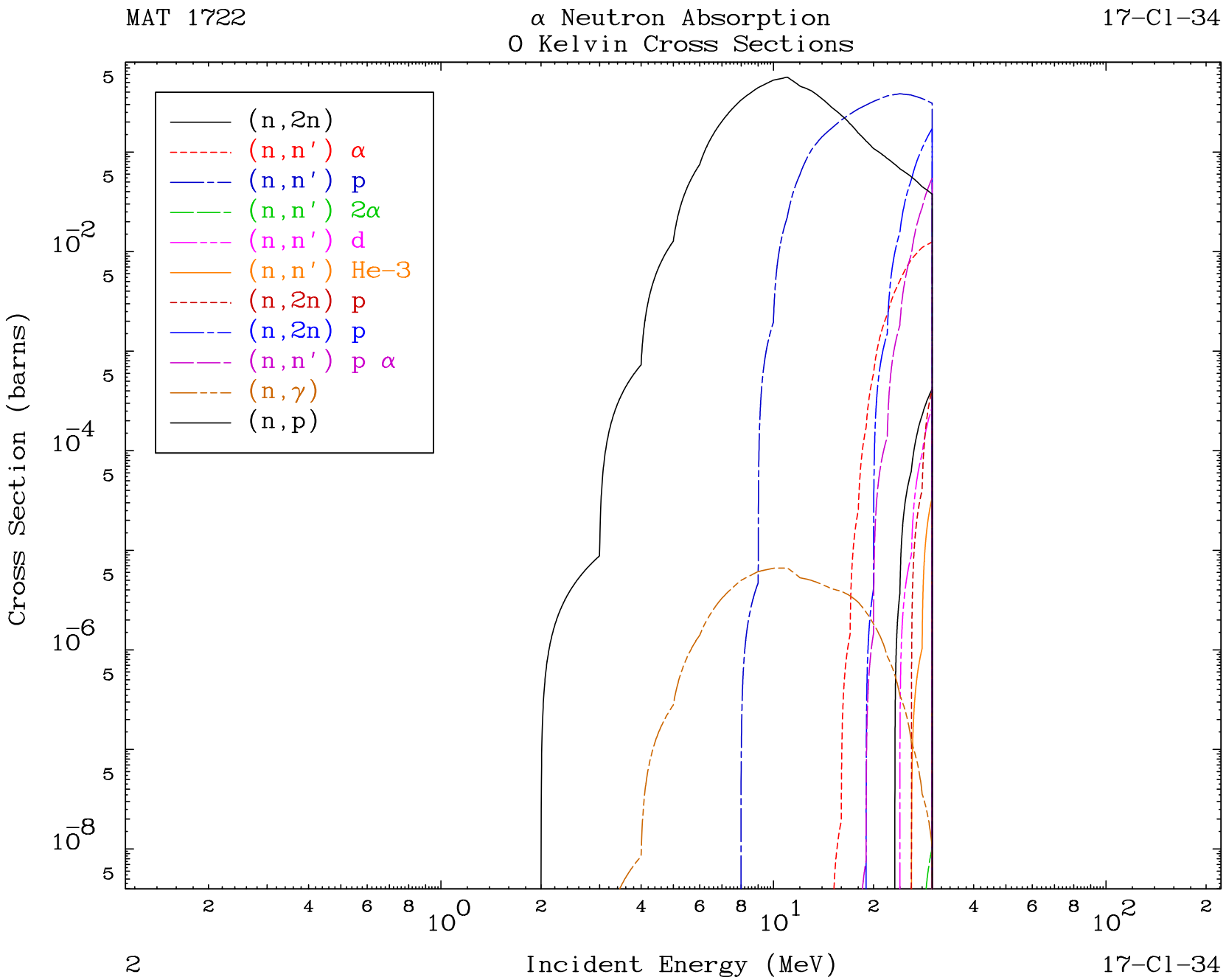
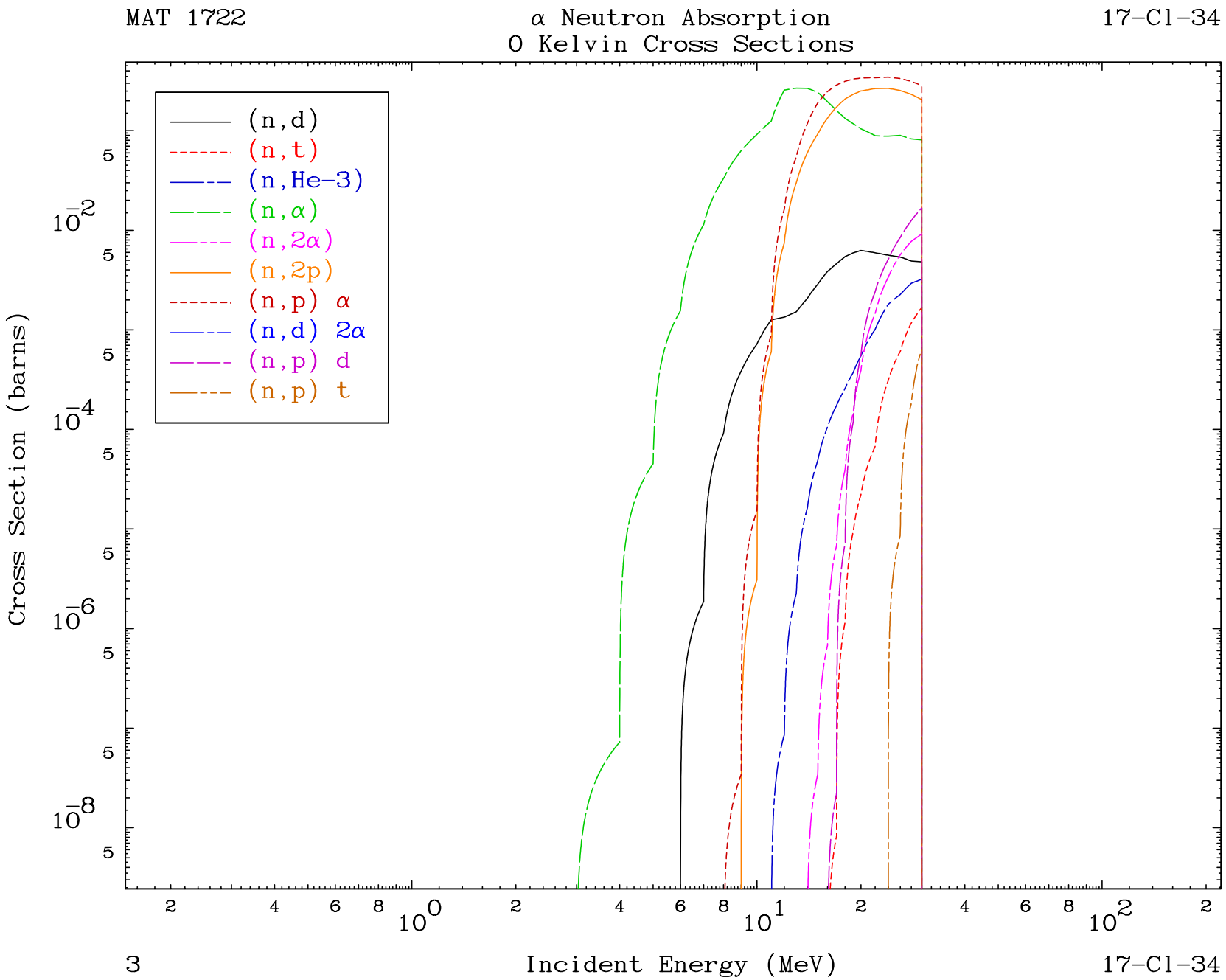
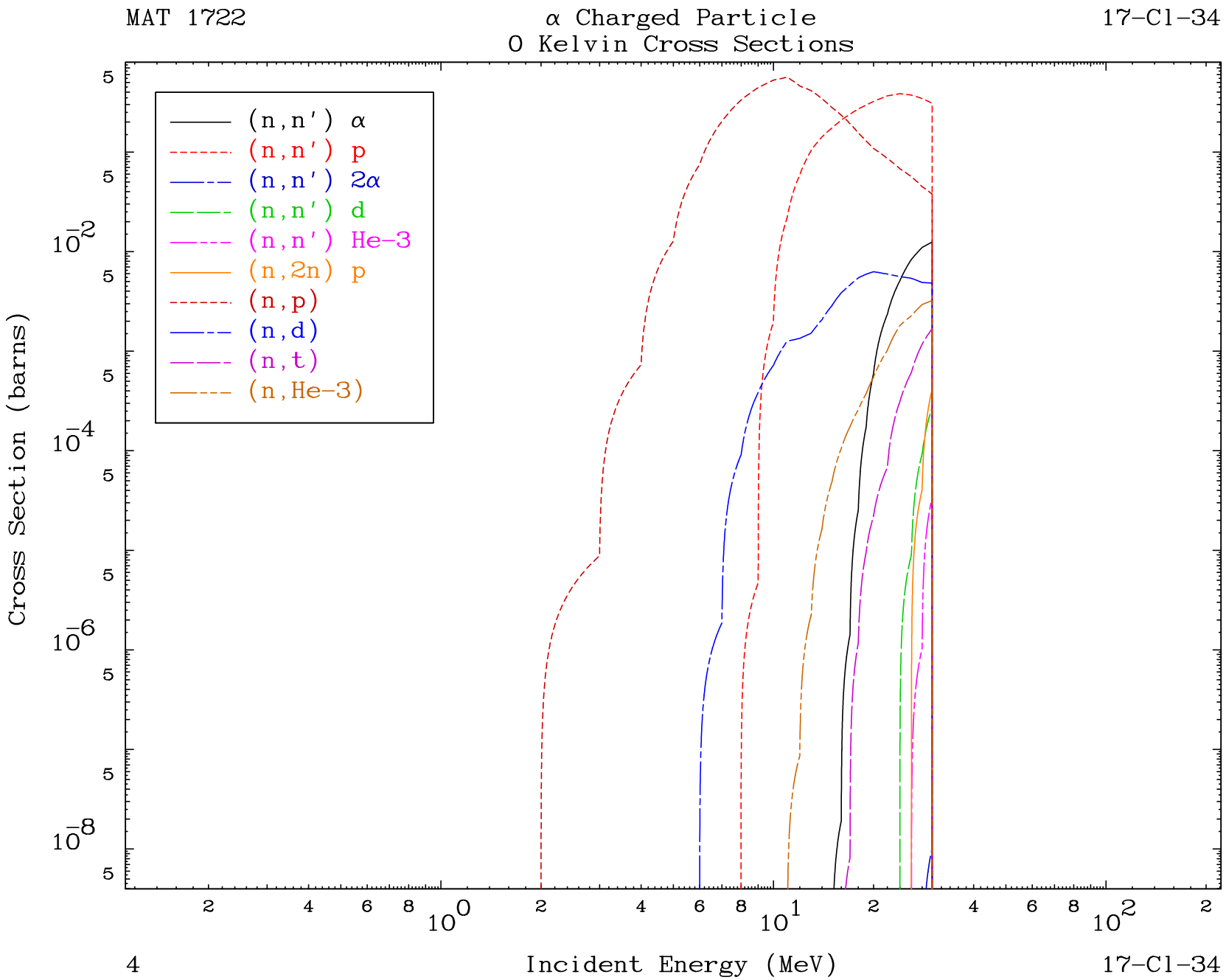
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

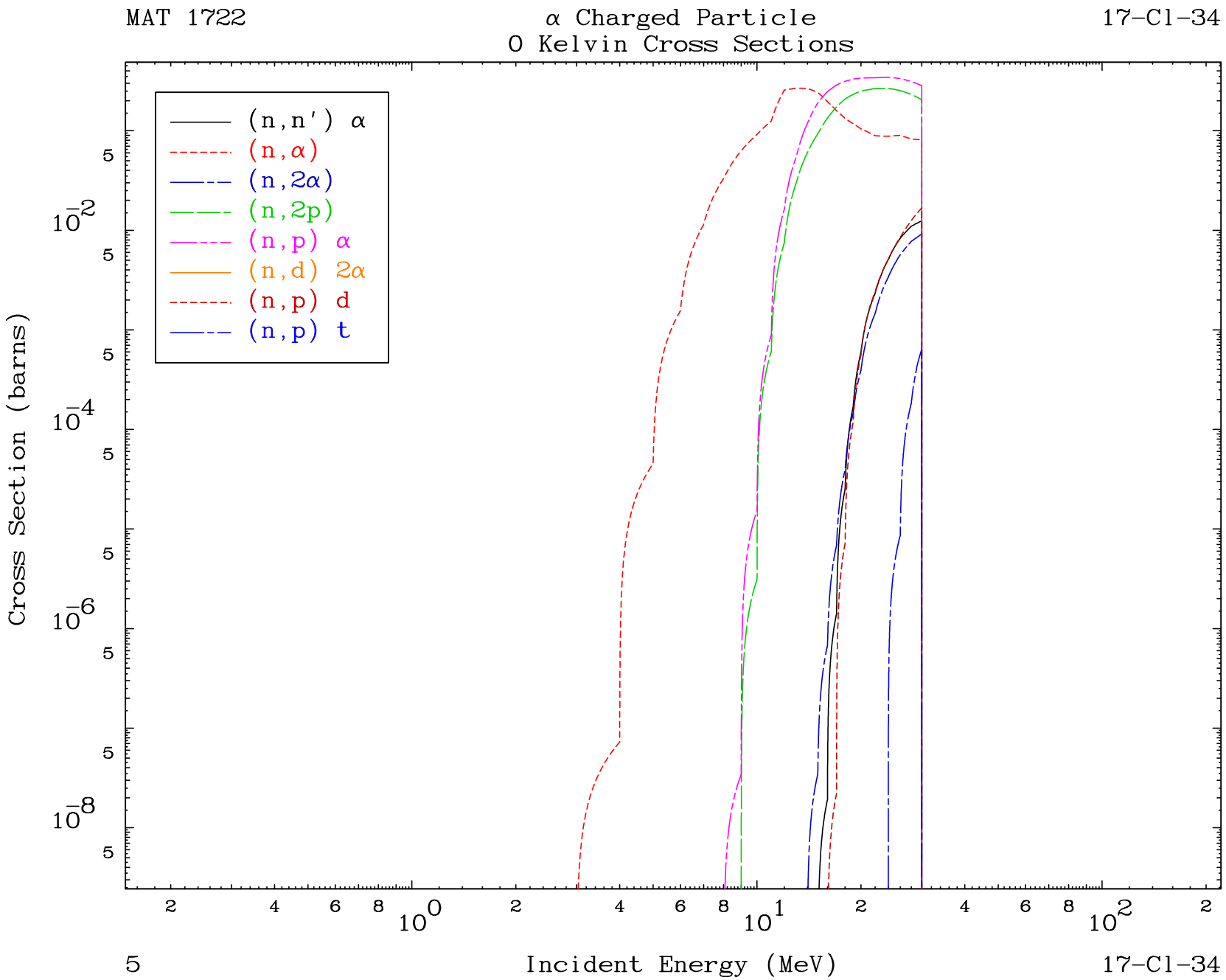
Press Mouse Button to Start

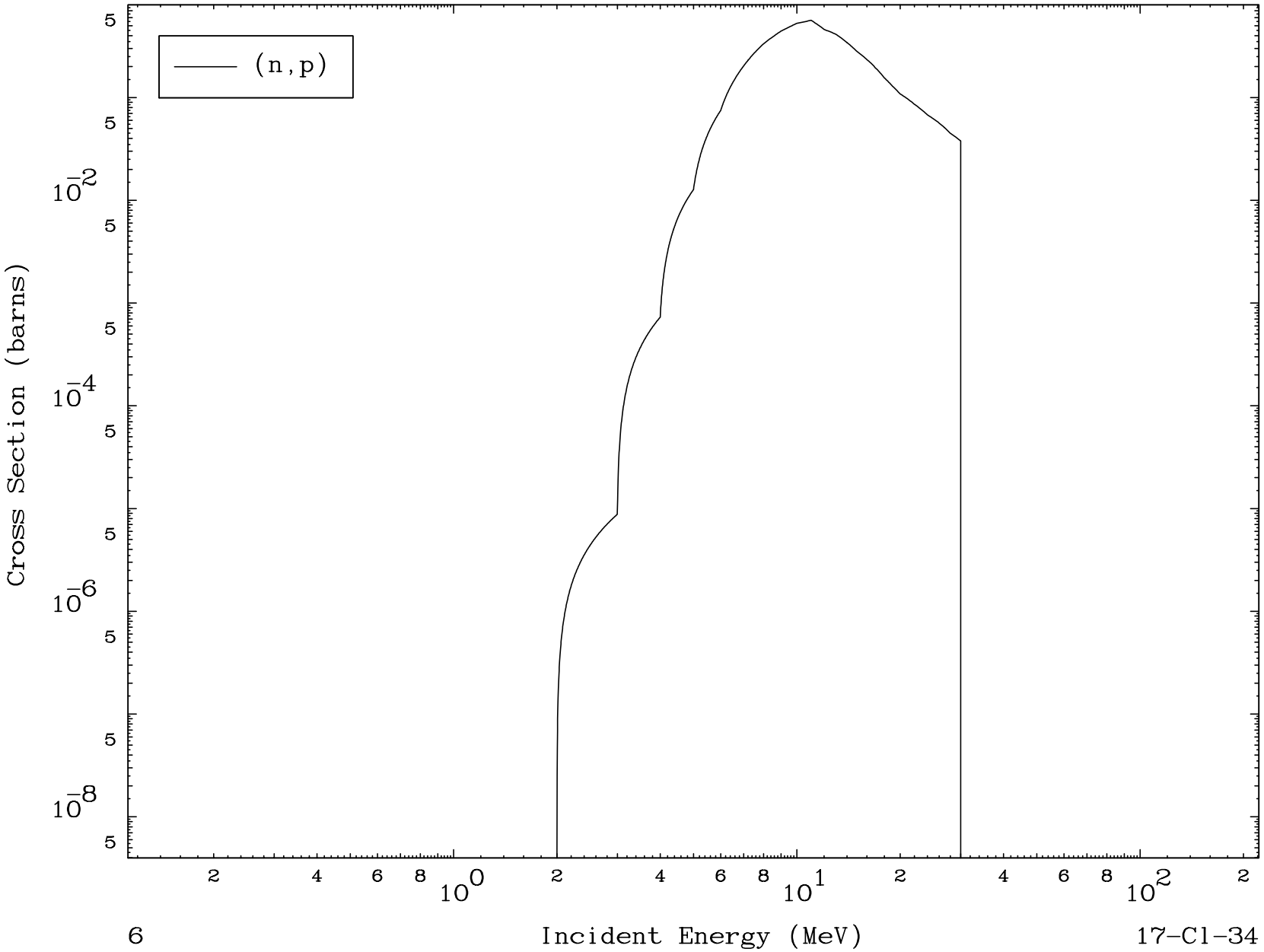

MAT 1722
α Major
17-Cl-34
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
17-Cl-34
1

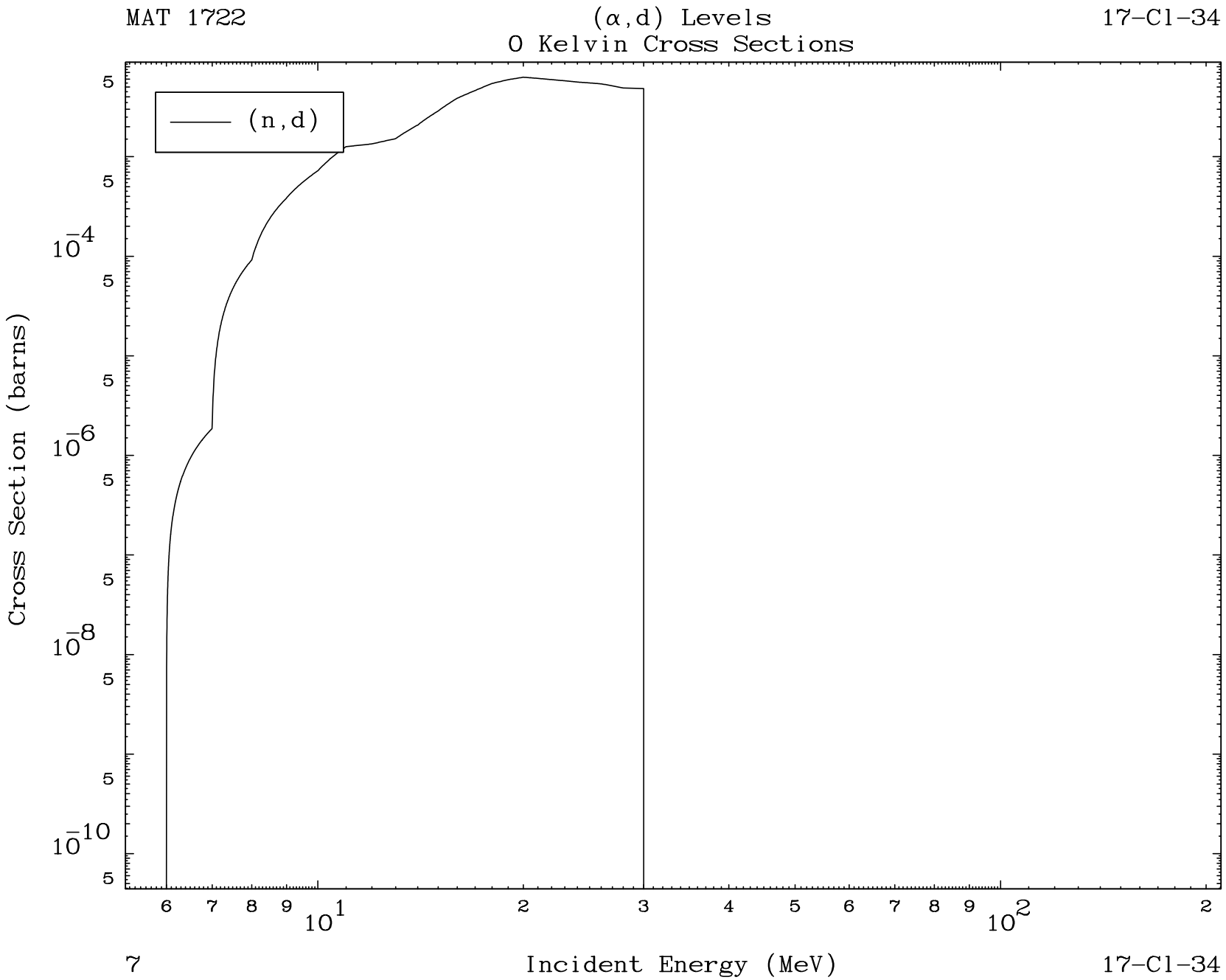

MAT 1722
α Neutron Absorption
0 Kelvin Cross Sections
17-Cl-34
(n,2n)
(n,n') α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
2
17-Cl-34

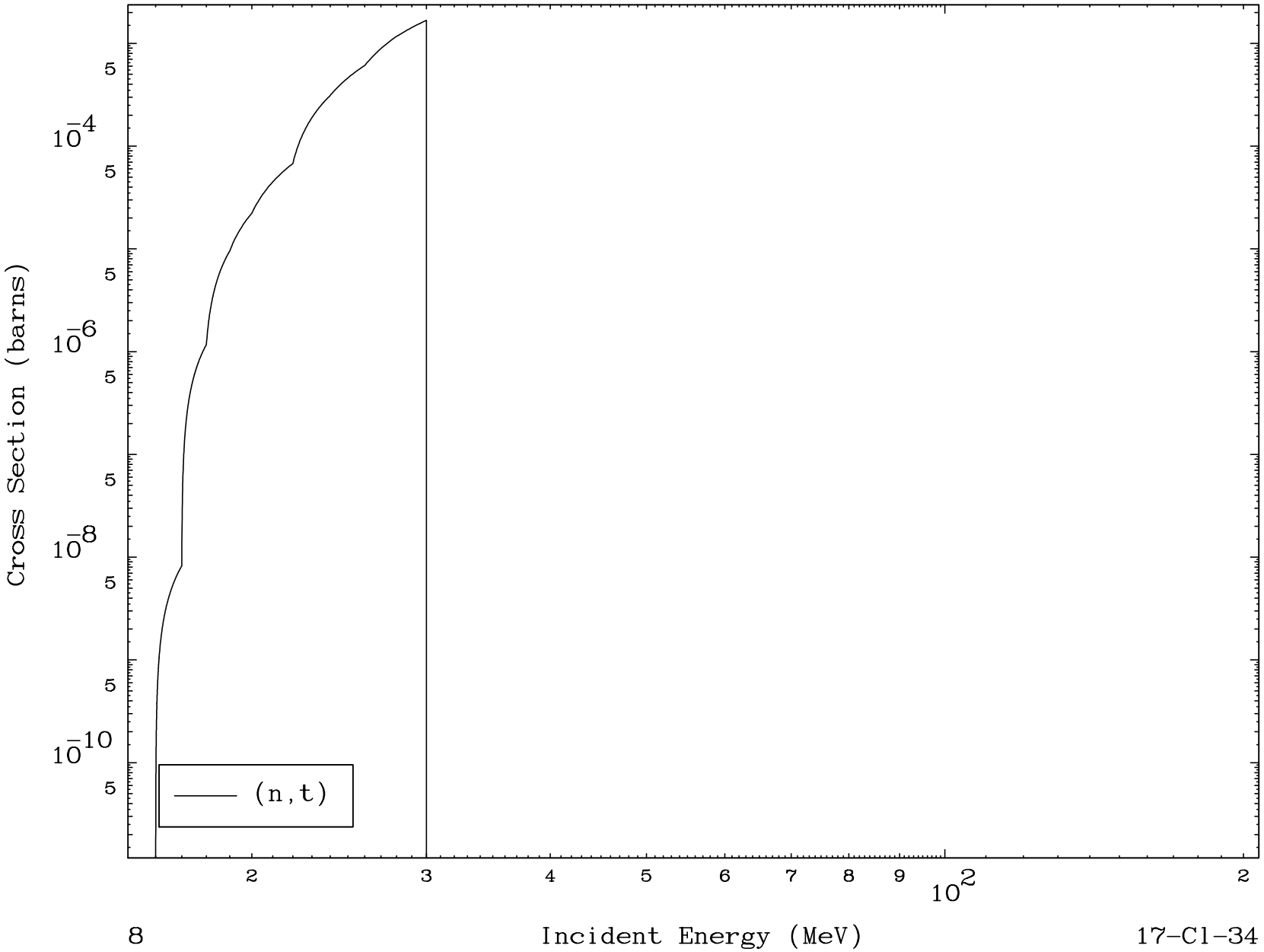

MAT 1722
α Neutron Absorption
0 Kelvin Cross Sections
17-Cl-34
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
3
17-Cl-34

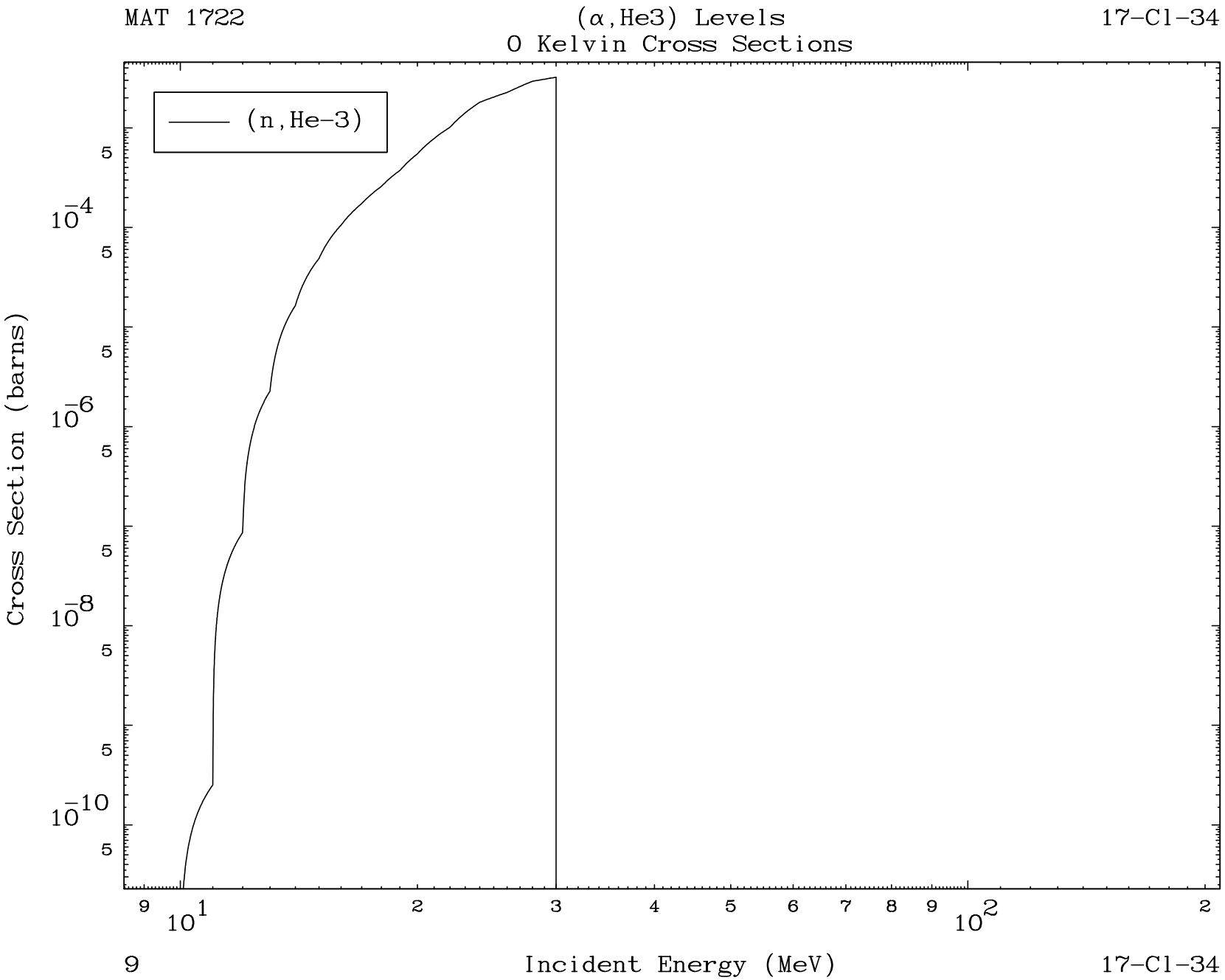

MAT 1722
α Charged Particle
0 Kelvin Cross Sections
17-Cl-34
(n,n') α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
17-Cl-34

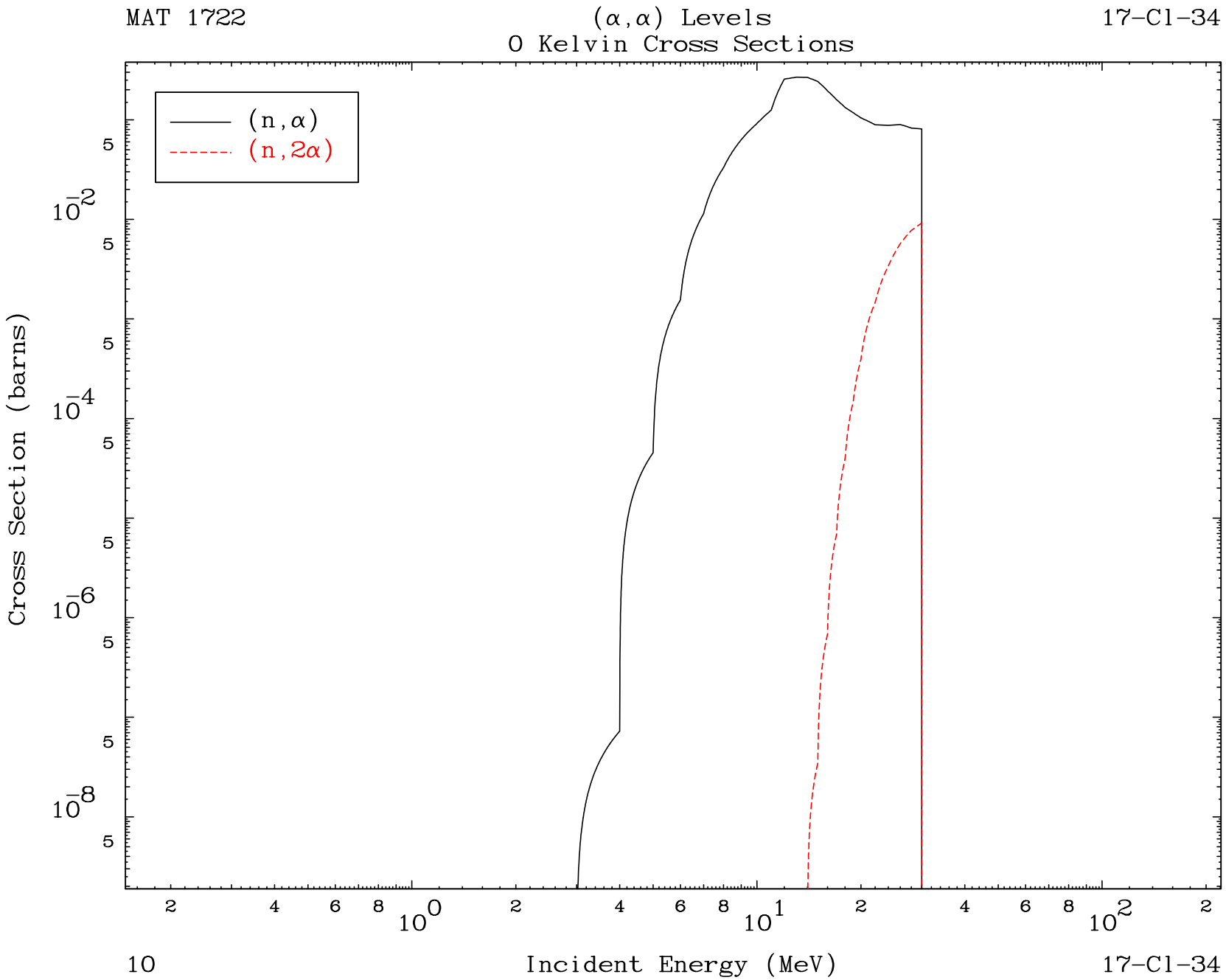

MAT 1722
α Charged Particle
0 Kelvin Cross Sections
17-Cl-34
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
5
17-Cl-34

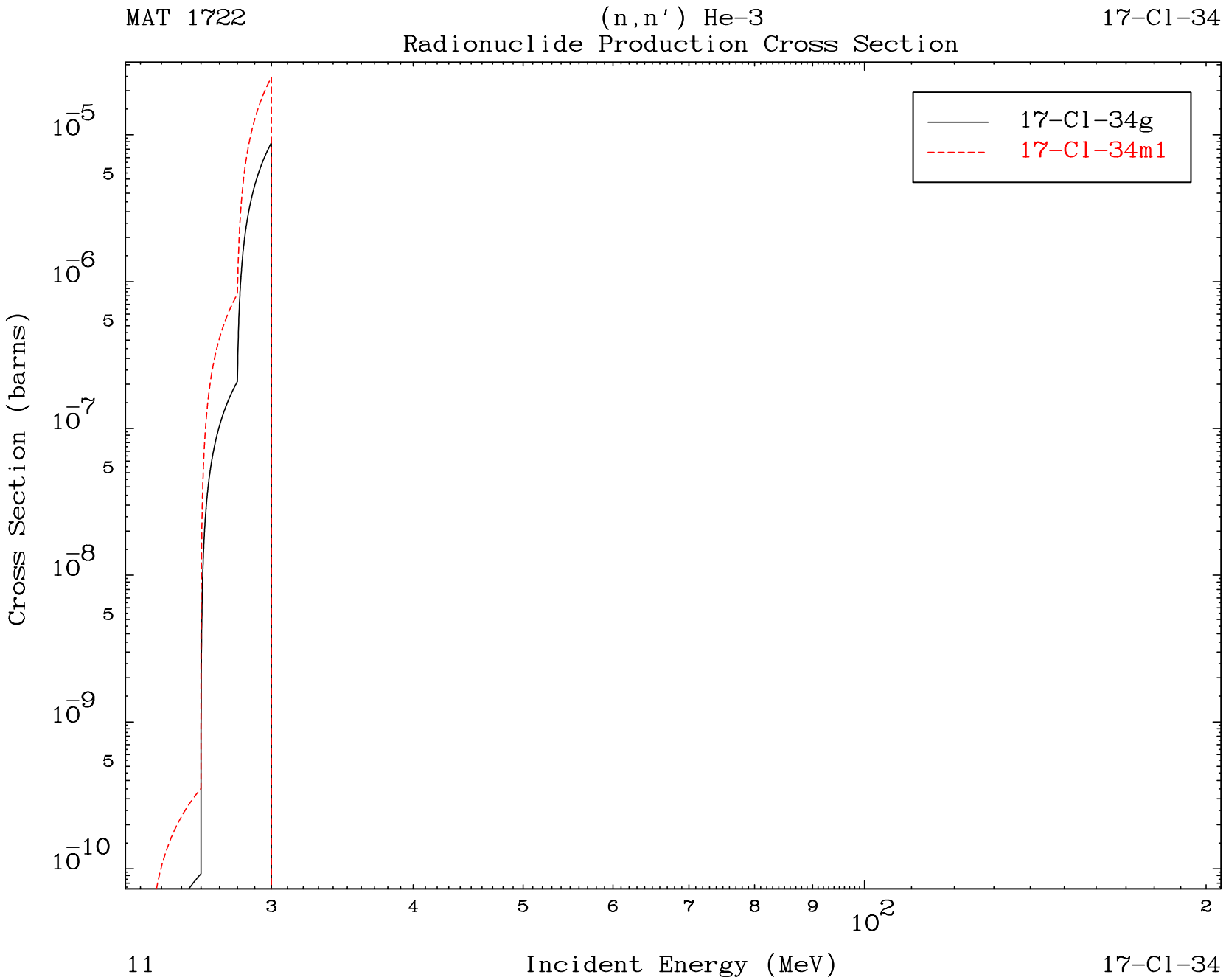

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2

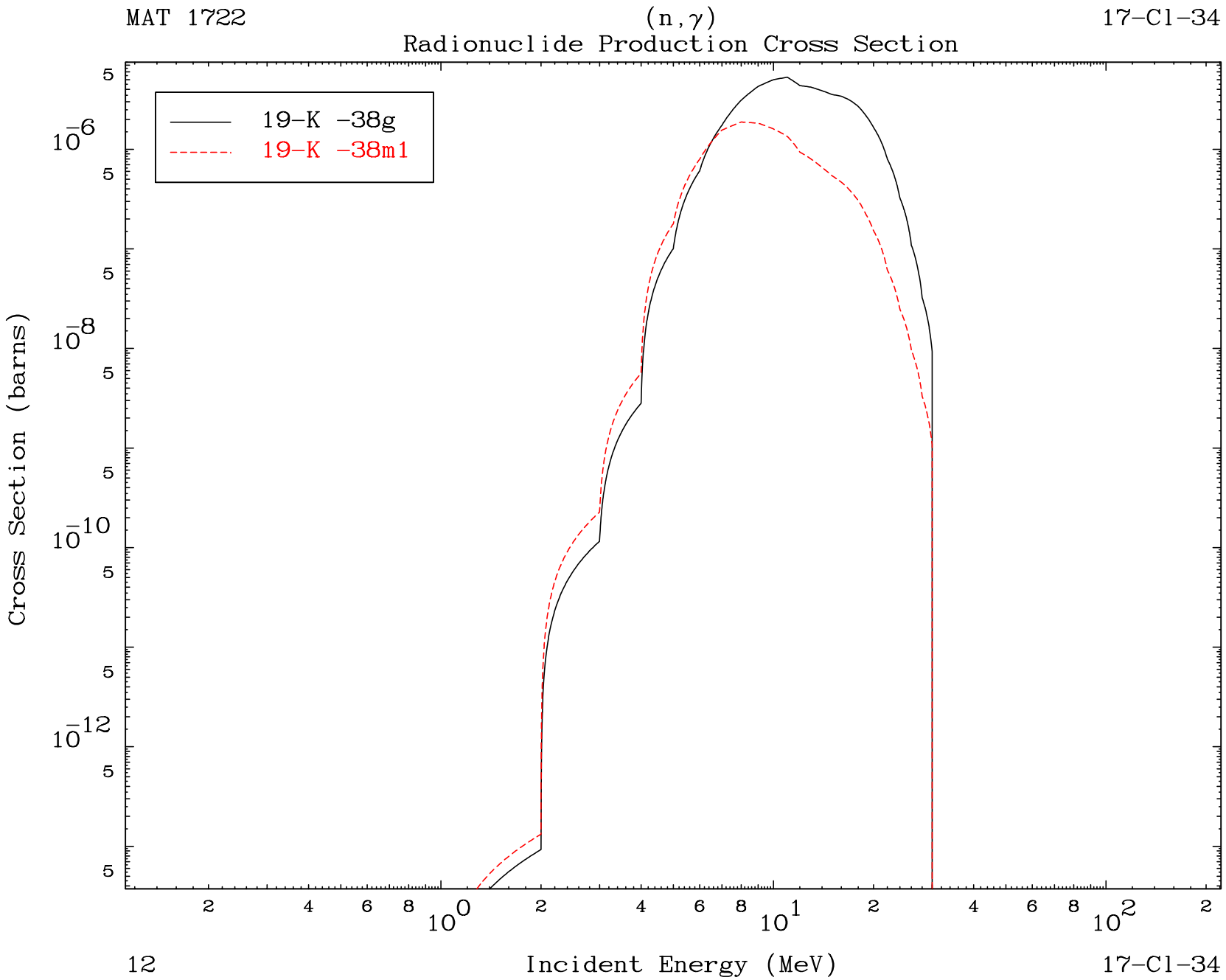

MAT 1722
(α,d) Levels
17-Cl-34
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
17-Cl-34
7

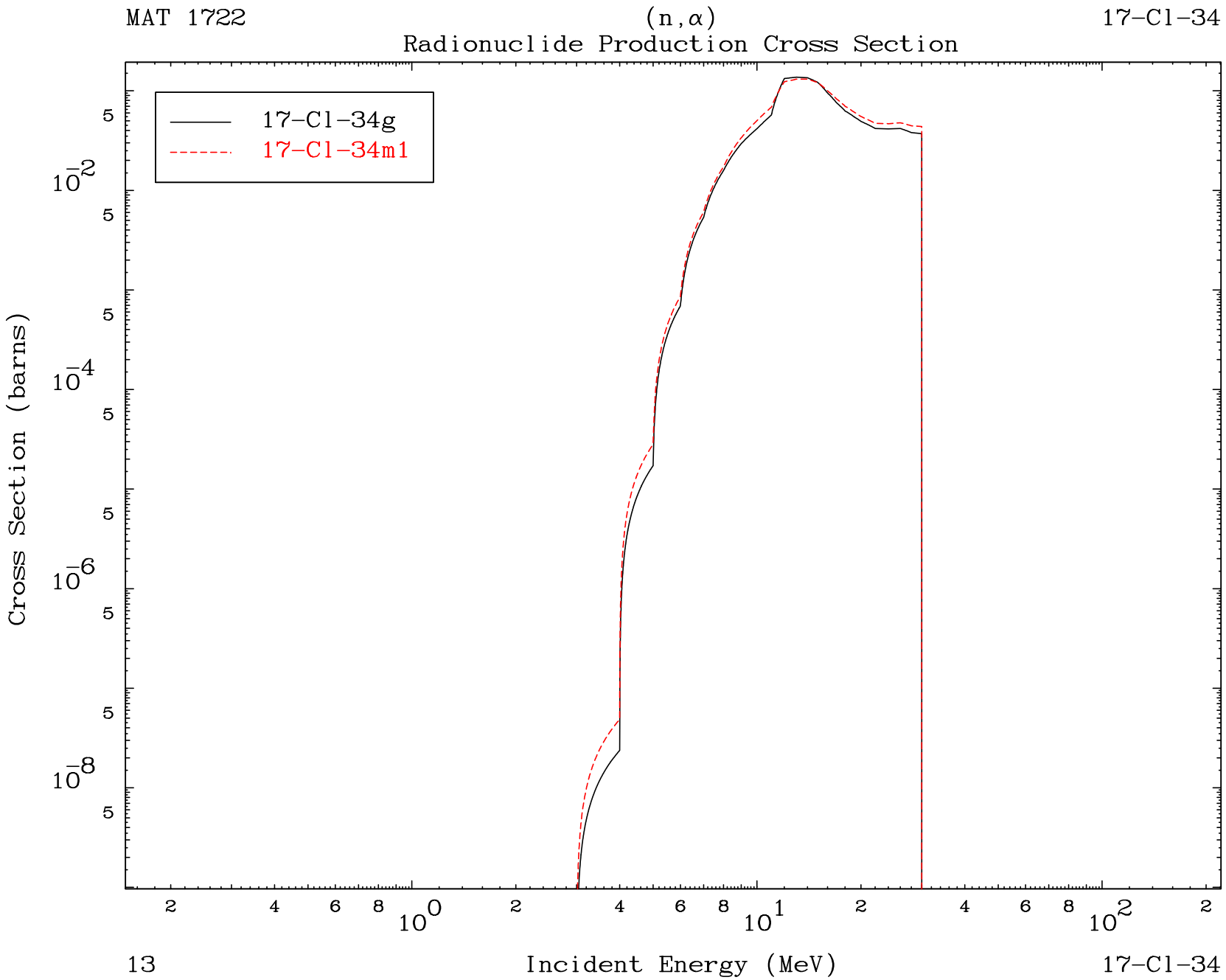

0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
(n,t)
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

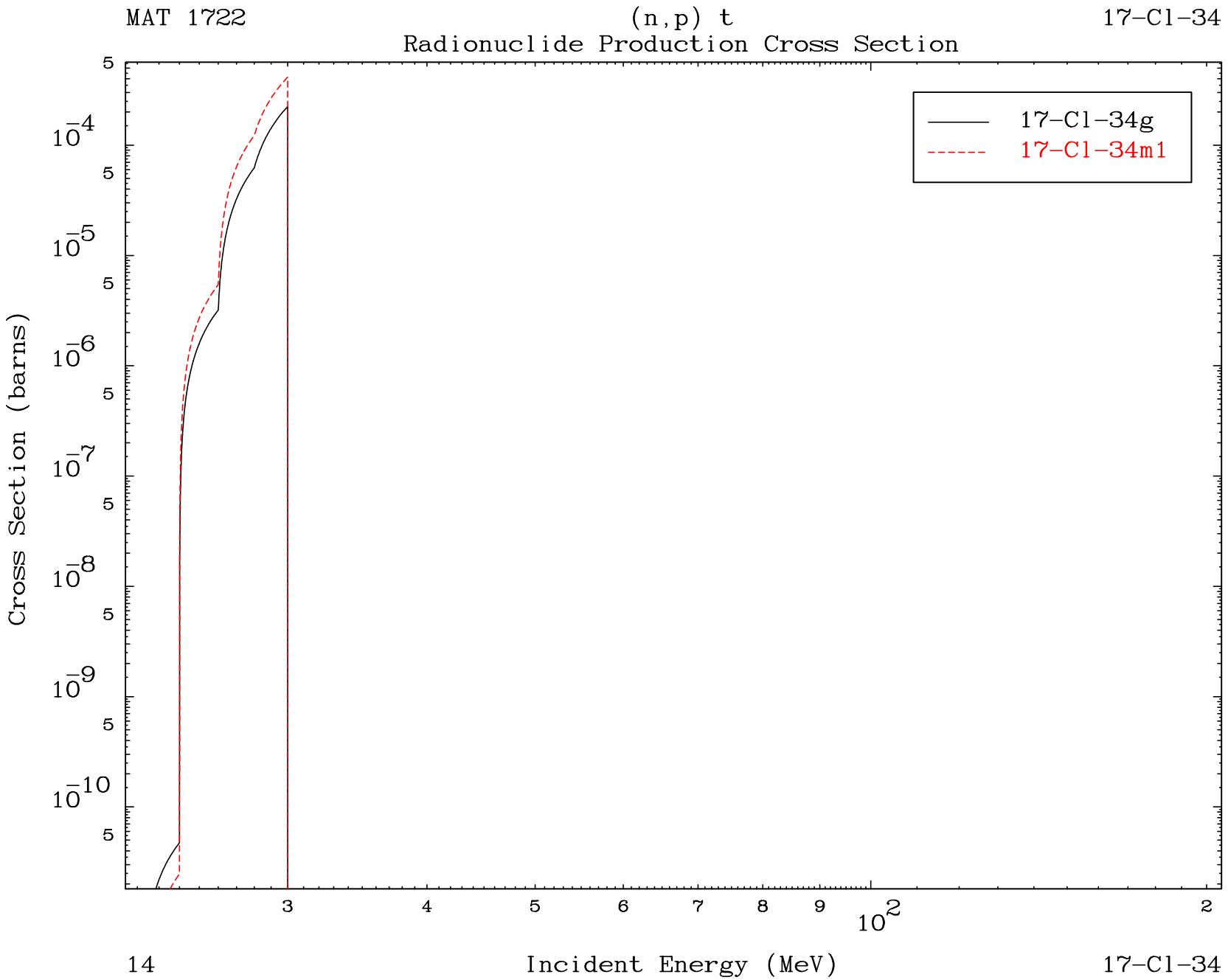

MAT 1722
(α,He3) Levels
17-Cl-34
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
17-Cl-34


MAT 1722
(α,α) Levels
17-Cl-34
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
17-Cl-34


MAT 1722
(n,n') He-3
17-Cl-34
Radionuclide Production Cross Section
17-Cl-34g
17-Cl-34m1
Cross Section (barns)
10-5
10-6
10-7
10-8
10-9
10-10
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
17-Cl-34


MAT 1722
(n,γ)
17-Cl-34
Radionuclide Production Cross Section
19-K -38g
19-K -38m1
Cross Section (barns)
Incident Energy (MeV)
12
17-Cl-34


MAT 1722
(n,α)
17-Cl-34
Radionuclide Production Cross Section
17-Cl-34g
17-Cl-34m1
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
13
17-Cl-34


MAT 1722
(n,p) t
17-Cl-34
Radionuclide Production Cross Section
17-Cl-34g
17-Cl-34m1
Cross Section (barns)
Incident Energy (MeV)
14
17-Cl-34