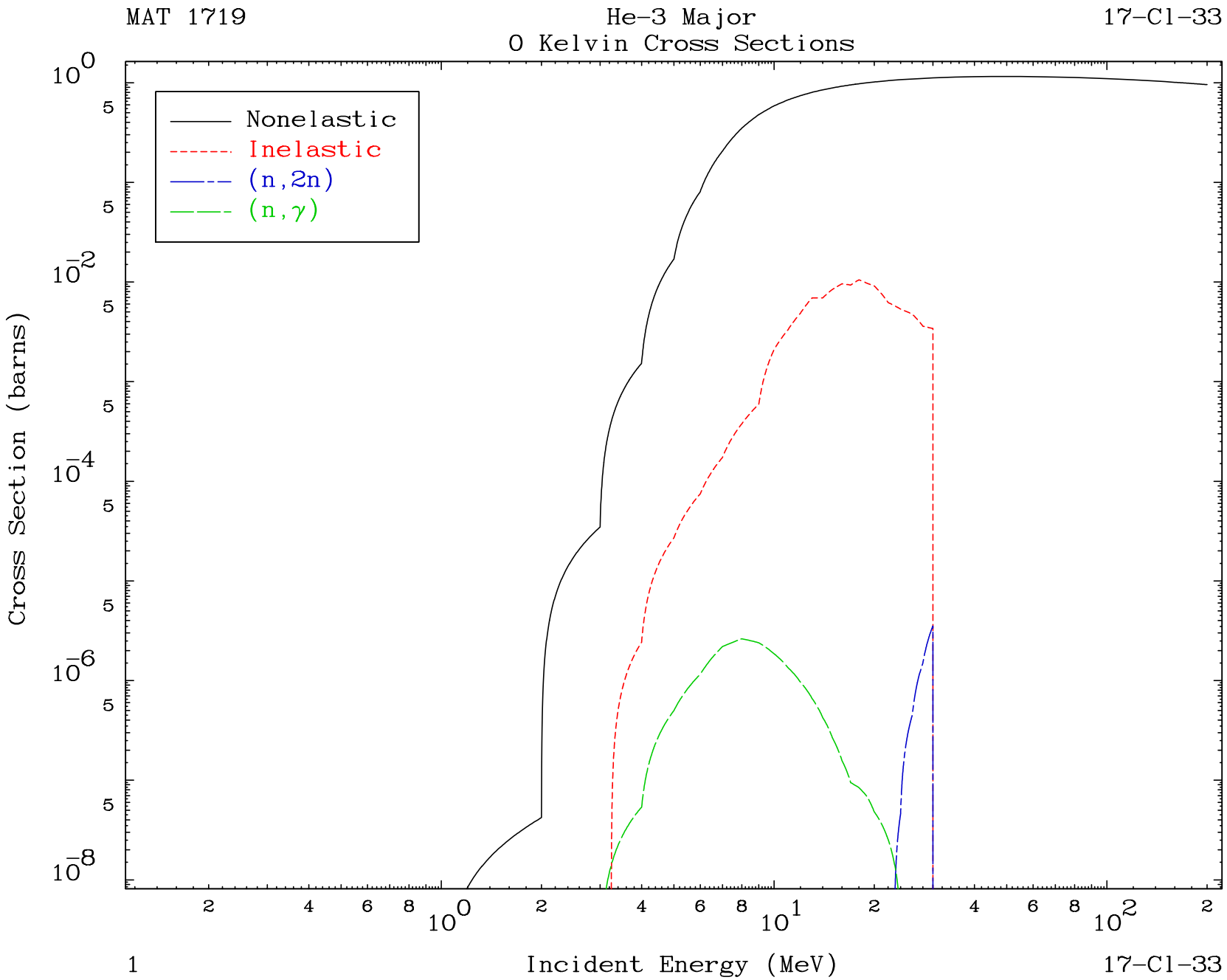
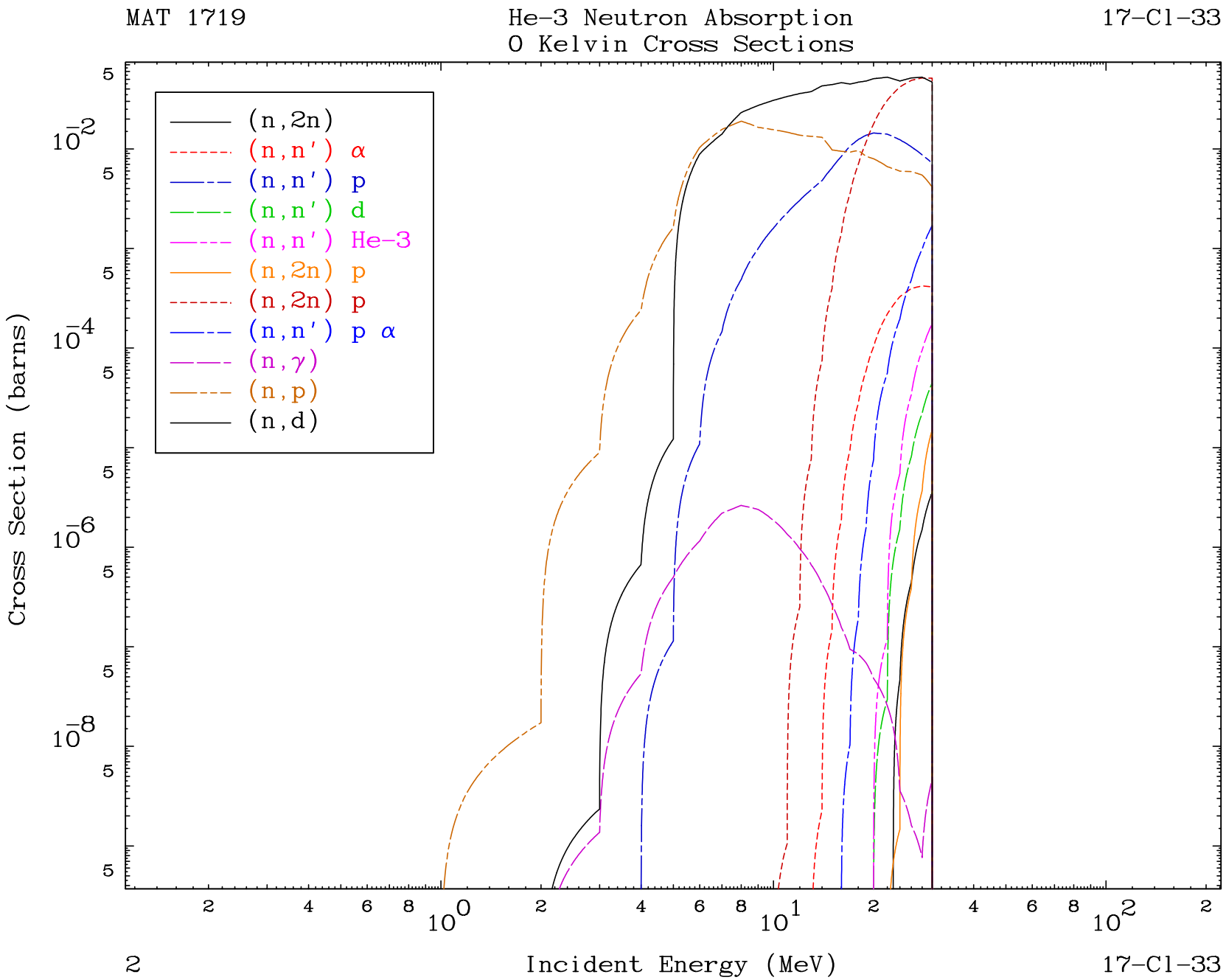
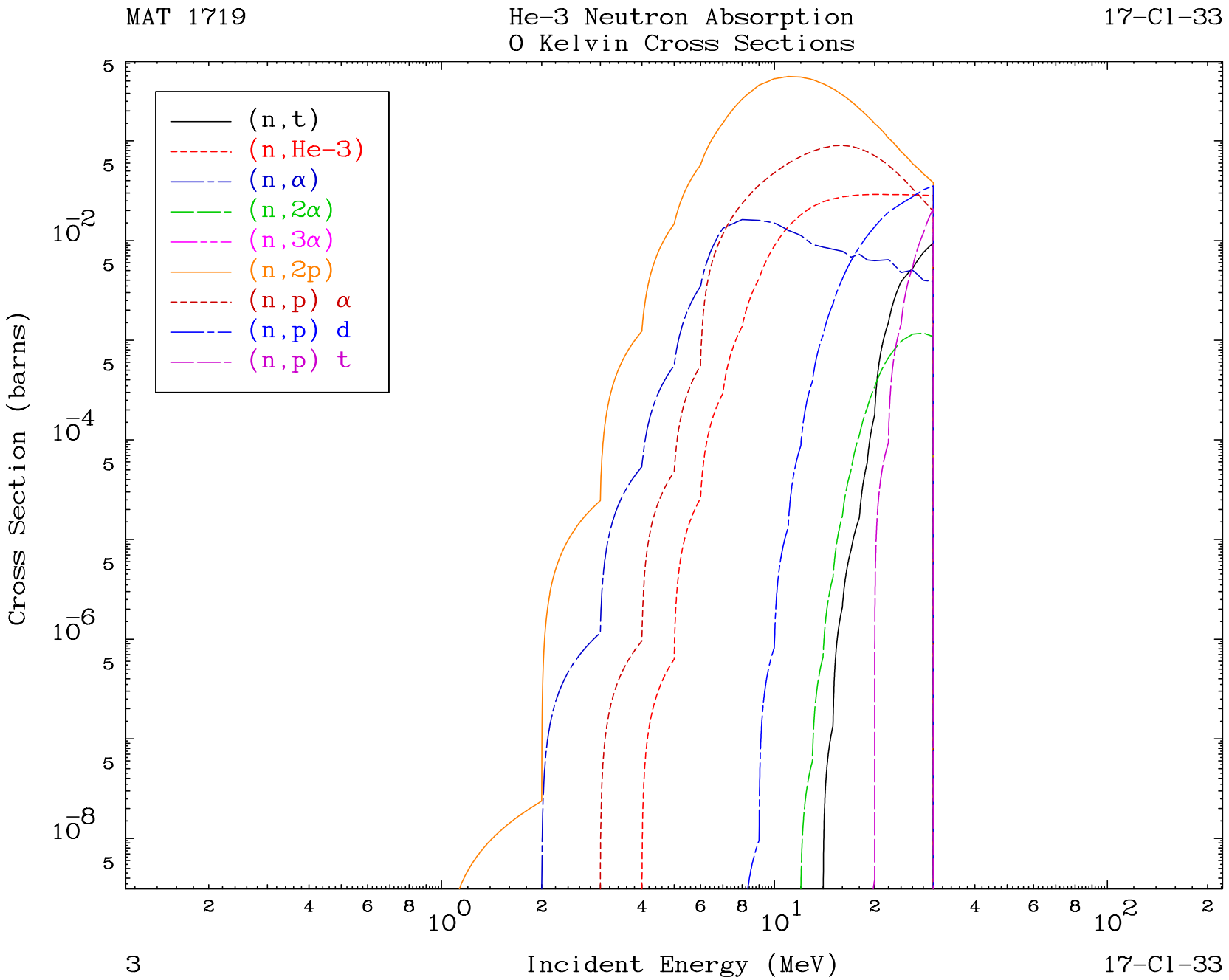
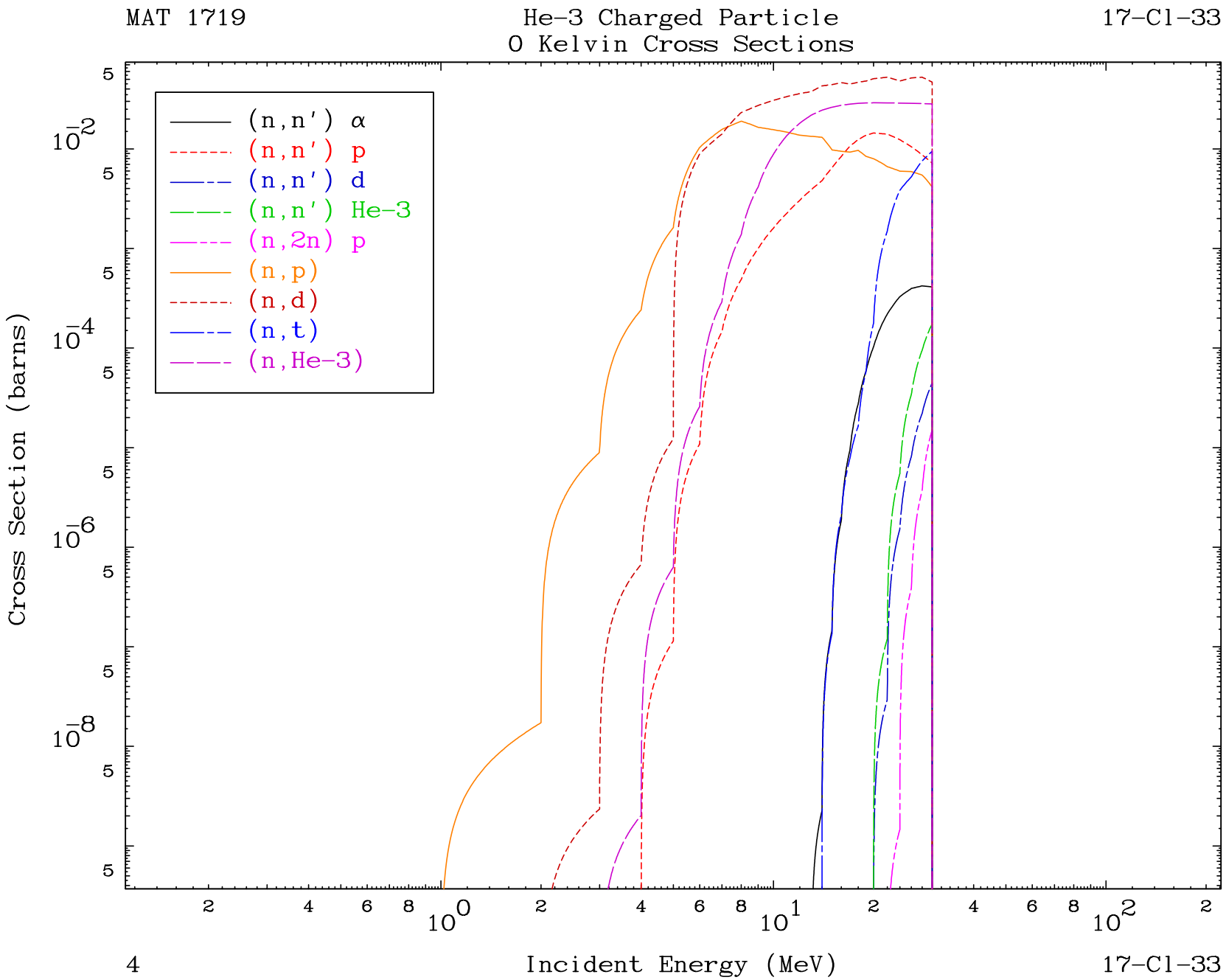
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

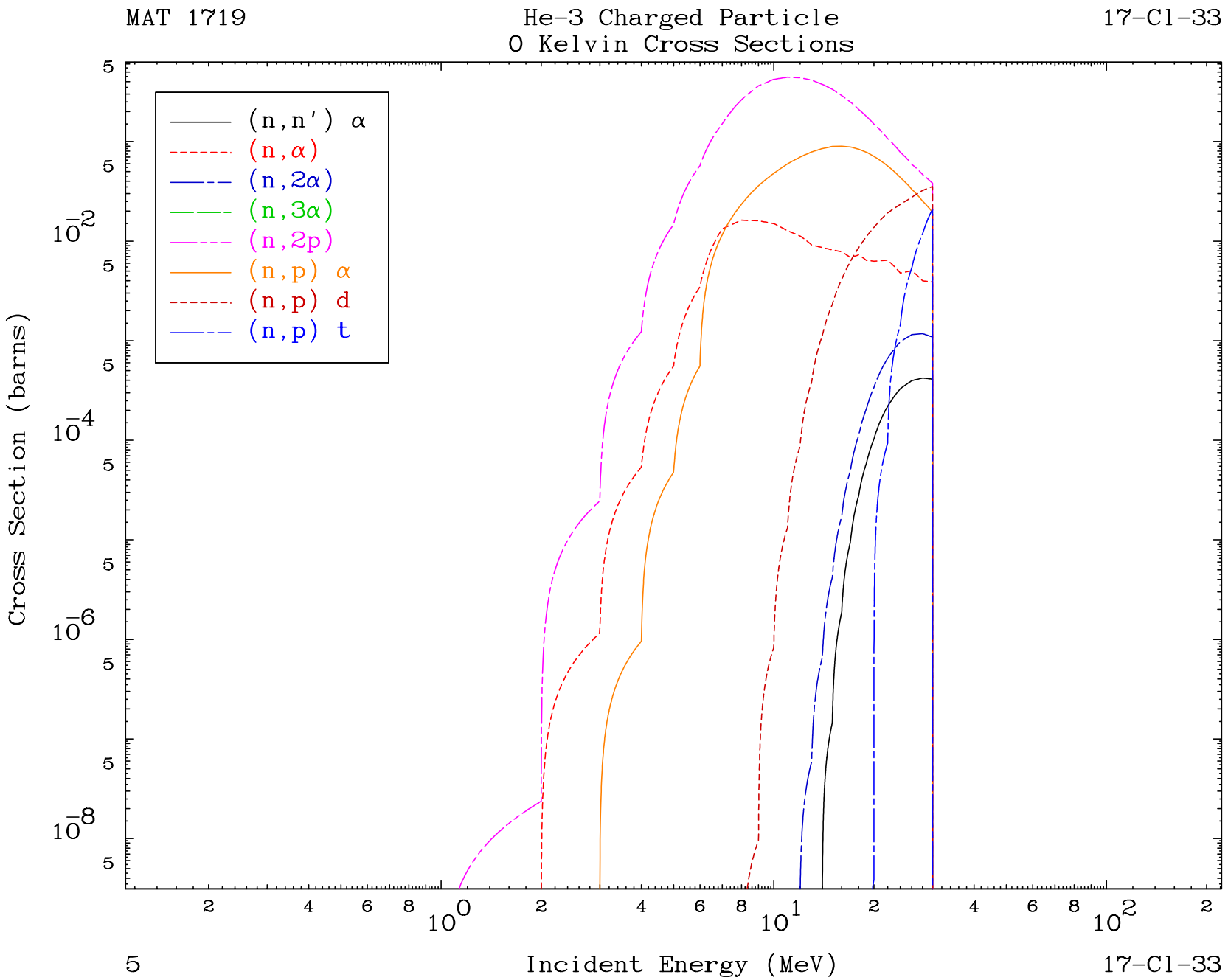
Press Mouse Button to Start

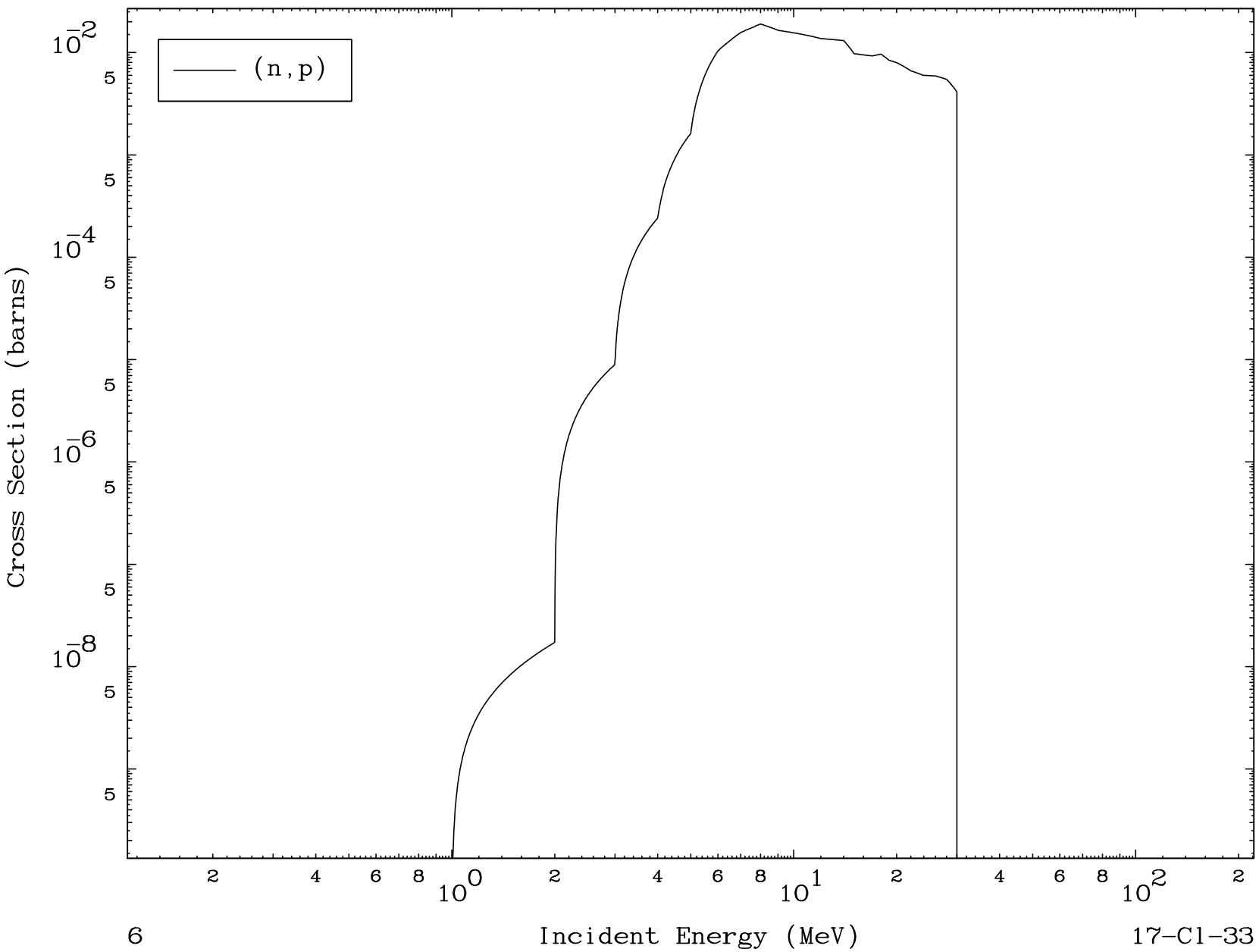

MAT 1719
He-3 Major
17-Cl-33
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
17-Cl-33
1

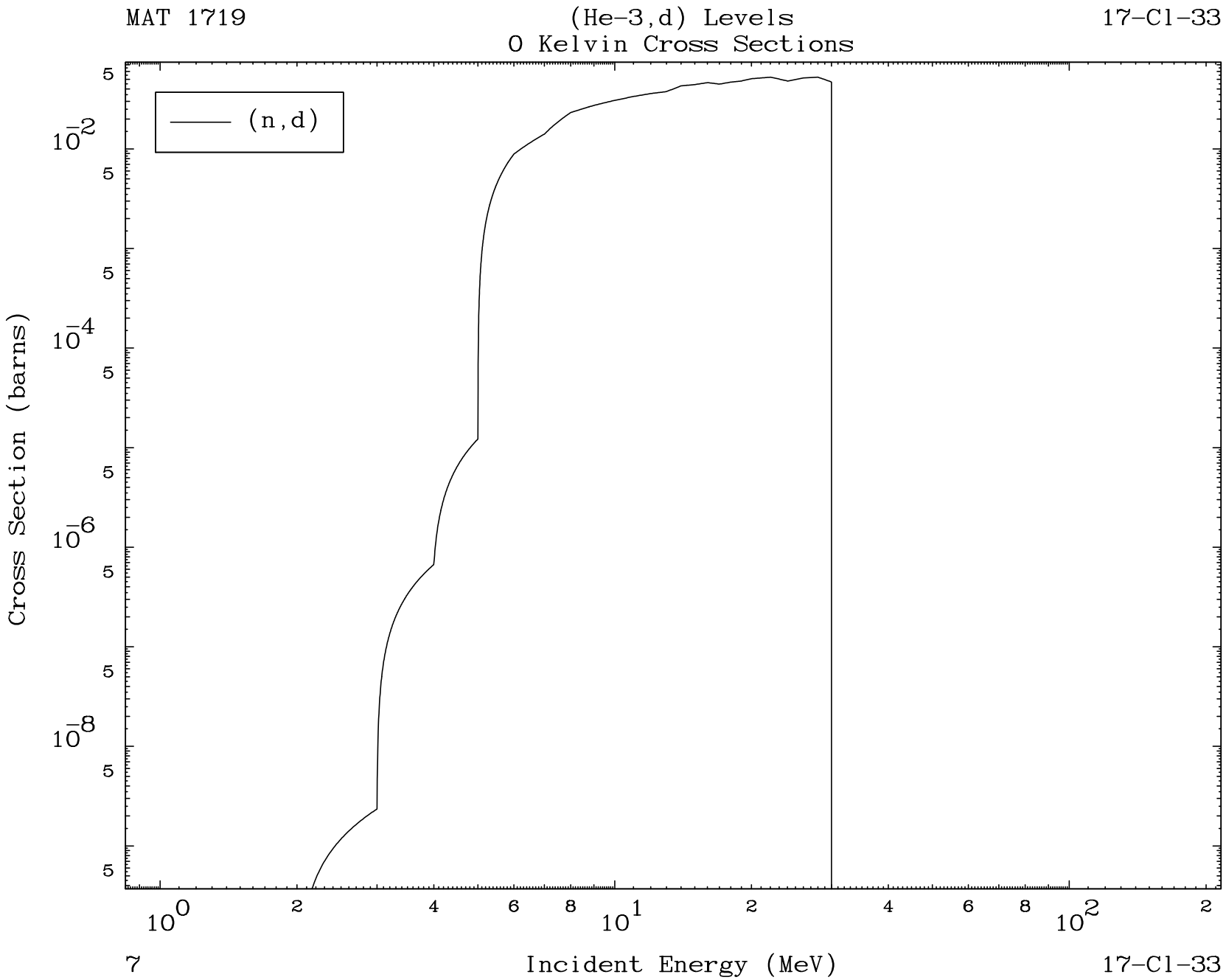

MAT 1719
He-3 Neutron Absorption
0 Kelvin Cross Sections
17-Cl-33
(n,2n)
(n,n') α
(n,n') p
(n,n') d
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
2
17-Cl-33

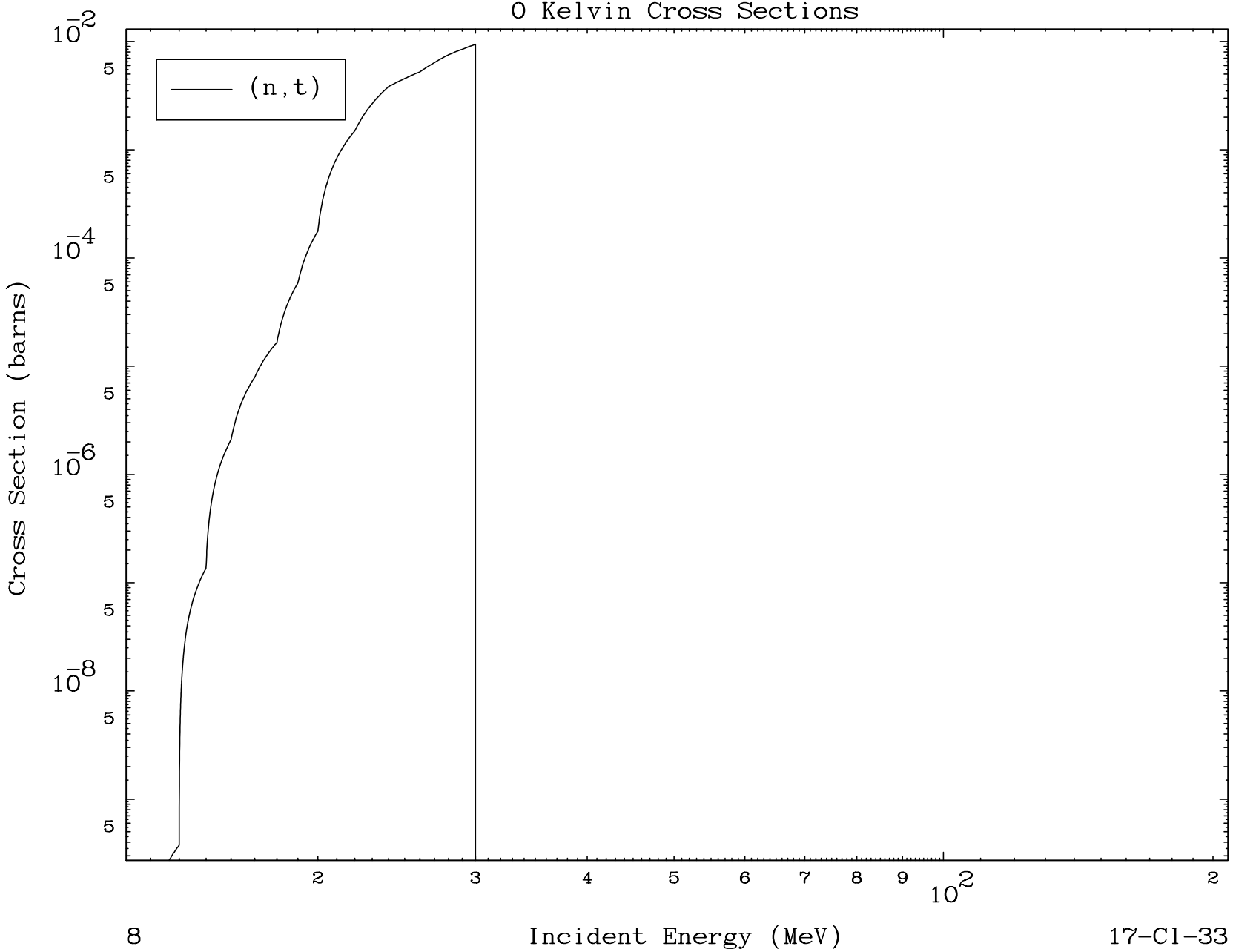

MAT 1719
He-3 Neutron Absorption
0 Kelvin Cross Sections
17-Cl-33
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
3
17-Cl-33

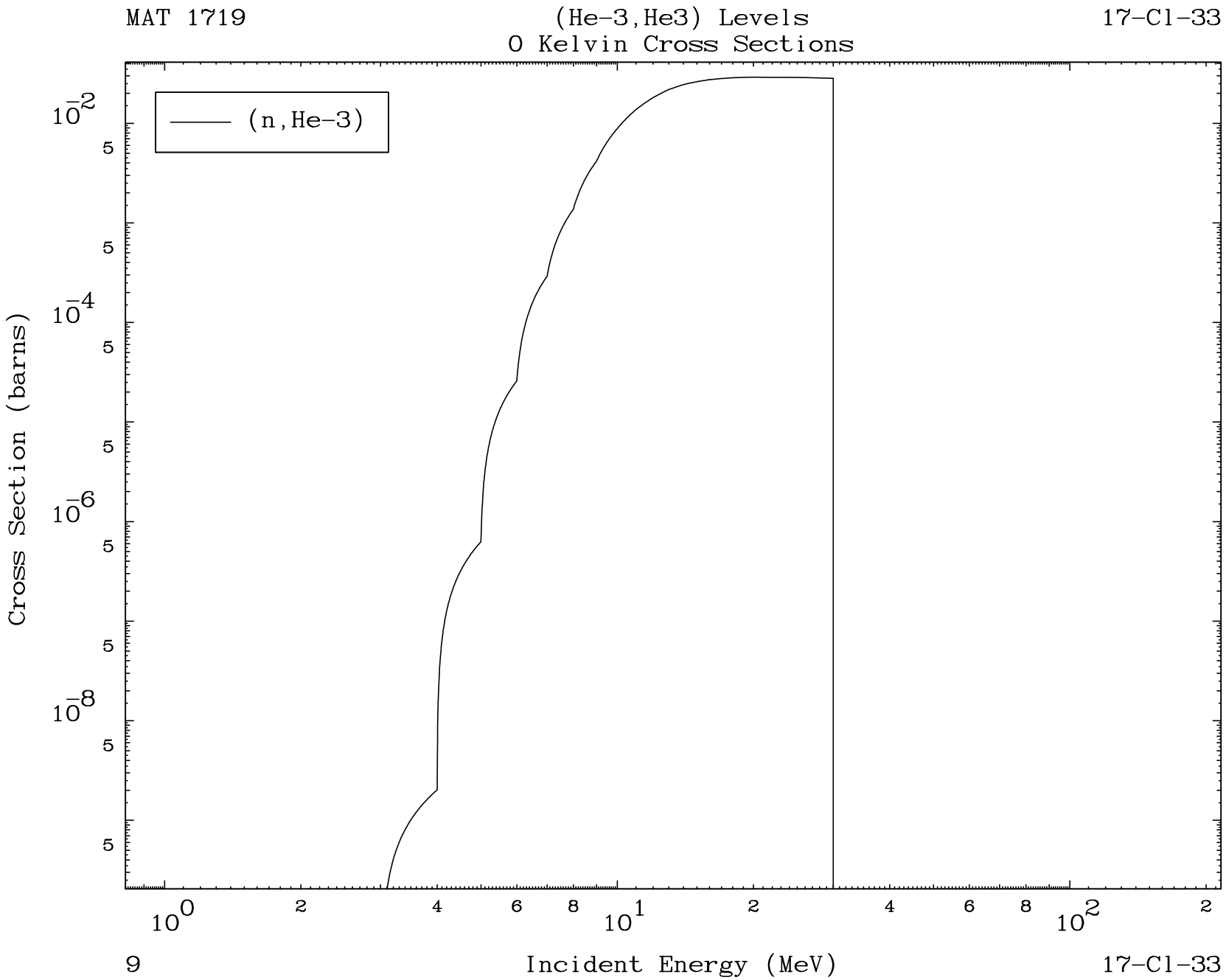

MAT 1719
He-3 Charged Particle
0 Kelvin Cross Sections
17-Cl-33
(n,n') α
(n,n') p
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
17-Cl-33

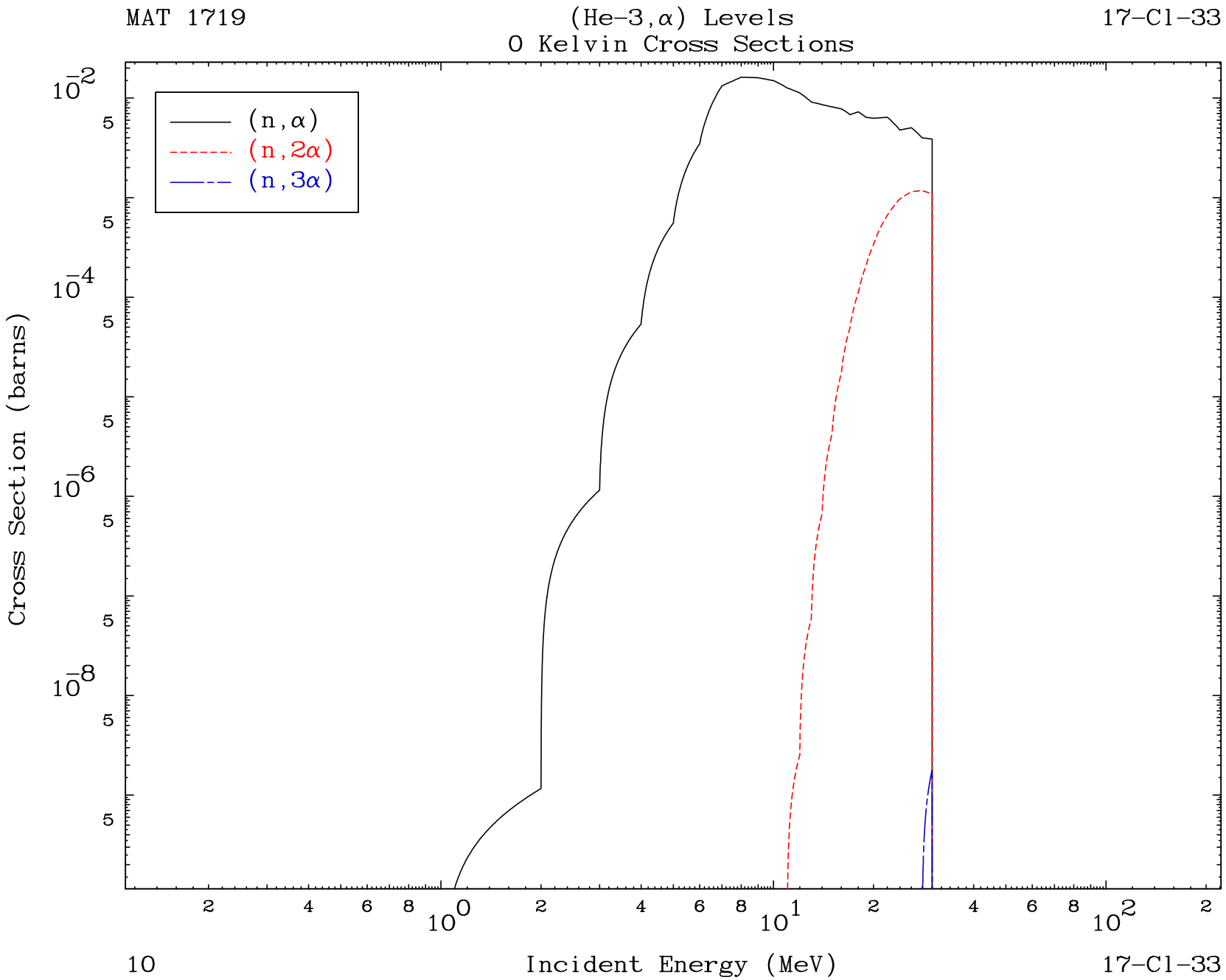

MAT 1719
He-3 Charged Particle
0 Kelvin Cross Sections
17-Cl-33
(n,n') α
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
17-Cl-33

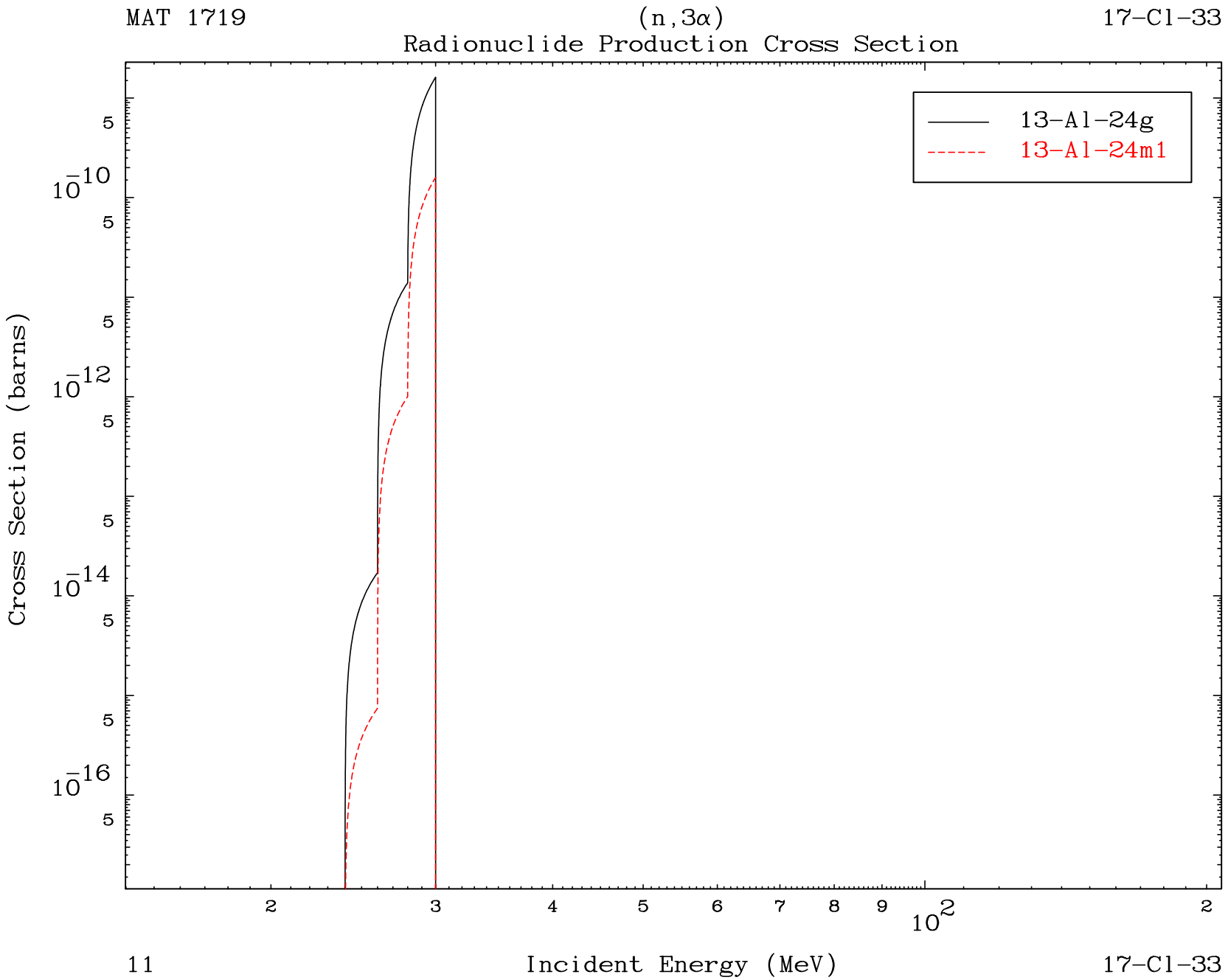

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
5
2 4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)

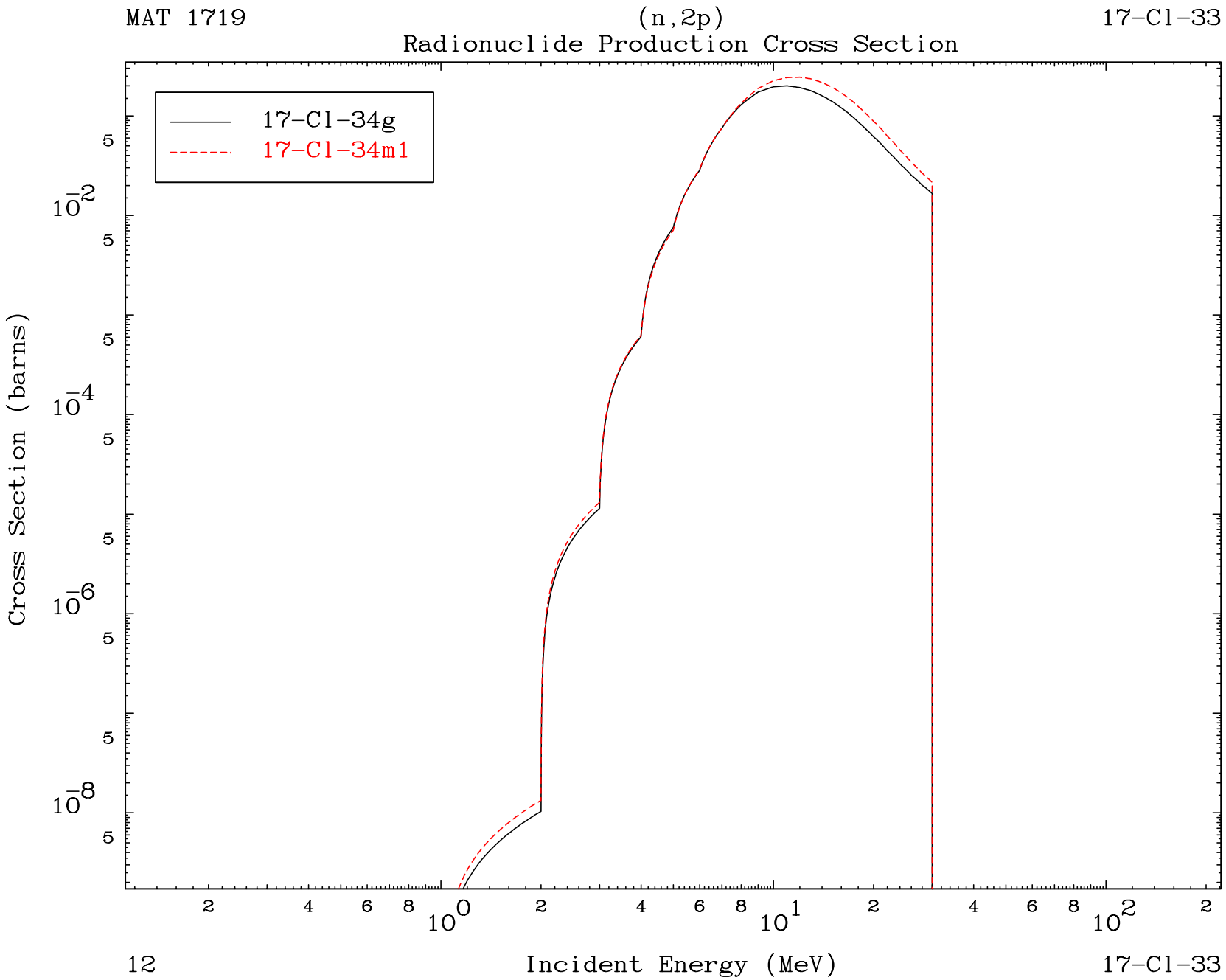

MAT 1719
(He-3,d) Levels
17-Cl-33
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
17-Cl-33
7


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


MAT 1719
(He-3,He3) Levels
17-Cl-33
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
17-Cl-33


MAT 1719
(He-3,α) Levels
17-Cl-33
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
10
17-Cl-33


MAT 1719
(n,3α)
17-Cl-33
Radionuclide Production Cross Section
13-Al-24g
13-Al-24m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
11
17-Cl-33


MAT 1719
(n,2p)
17-Cl-33
Radionuclide Production Cross Section
17-Cl-34g
17-Cl-34m1
Cross Section (barns)
Incident Energy (MeV)
12
17-Cl-33