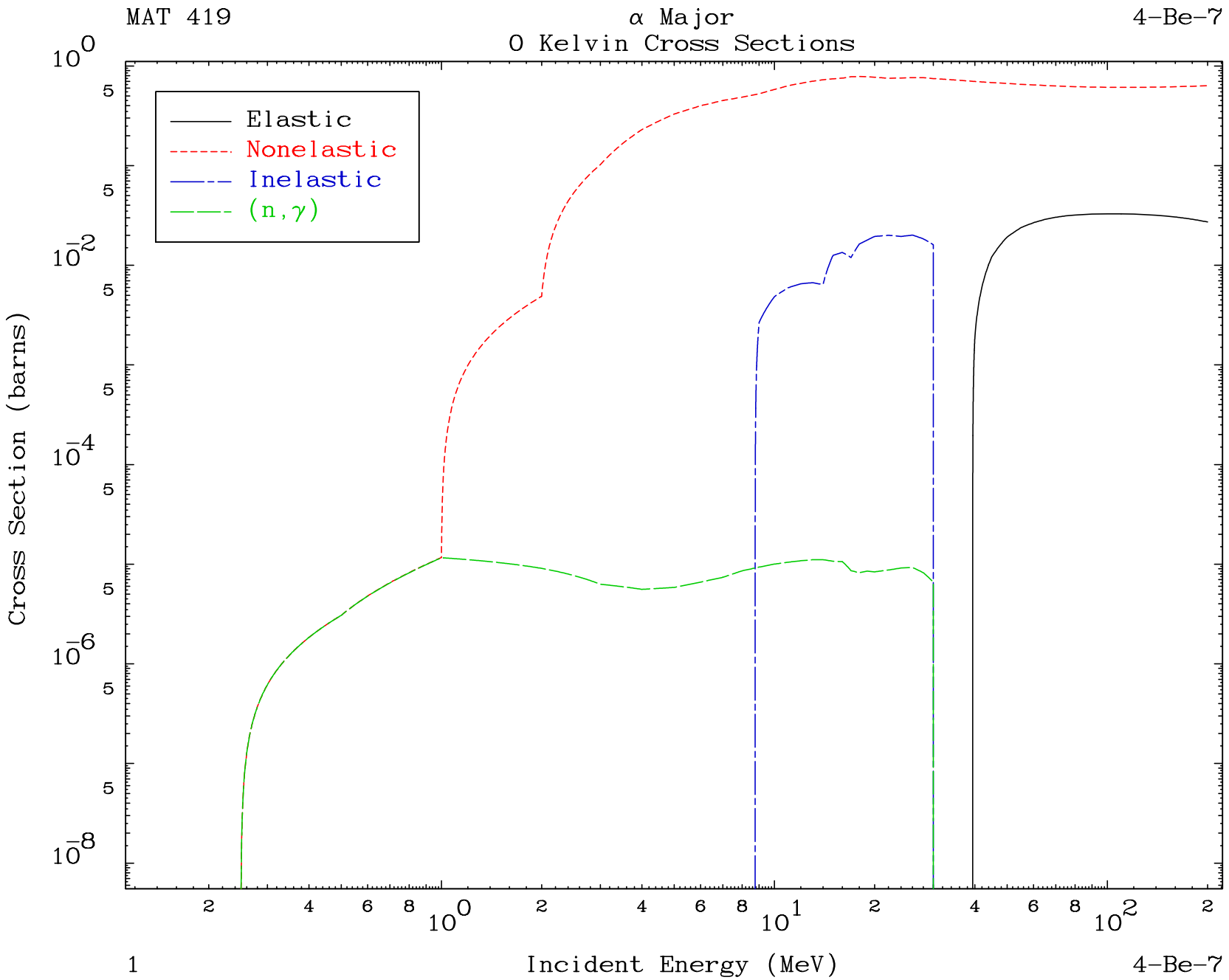
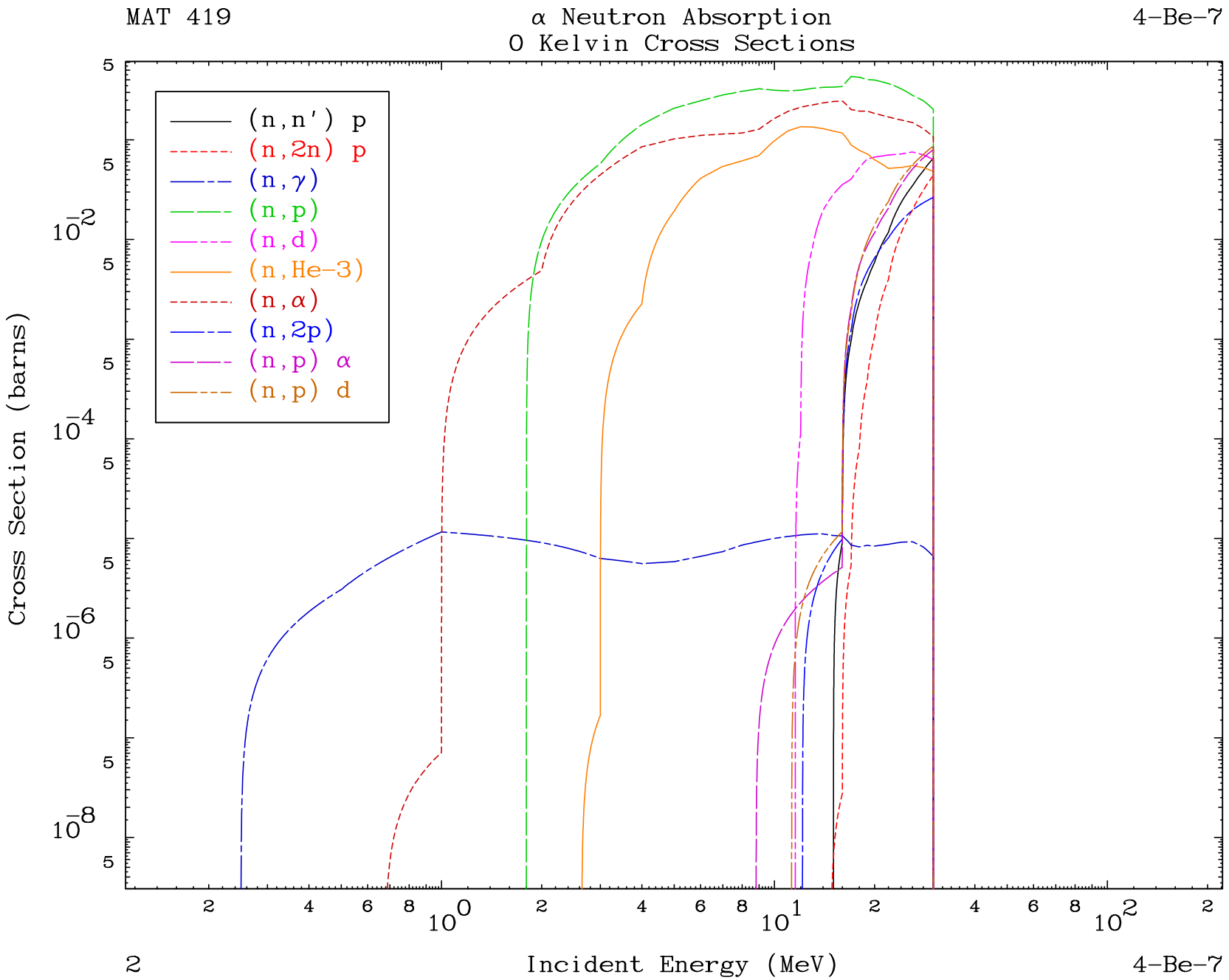
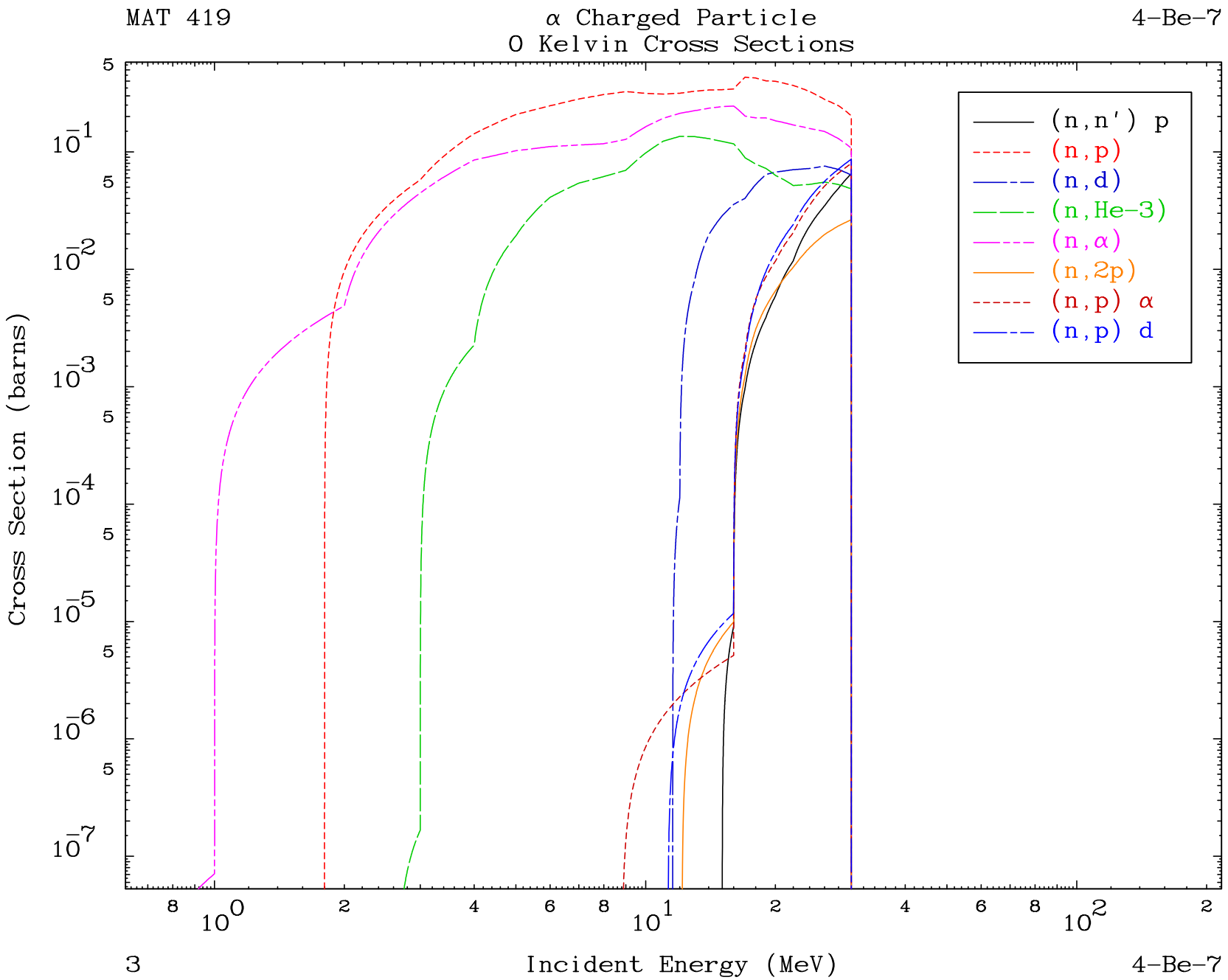
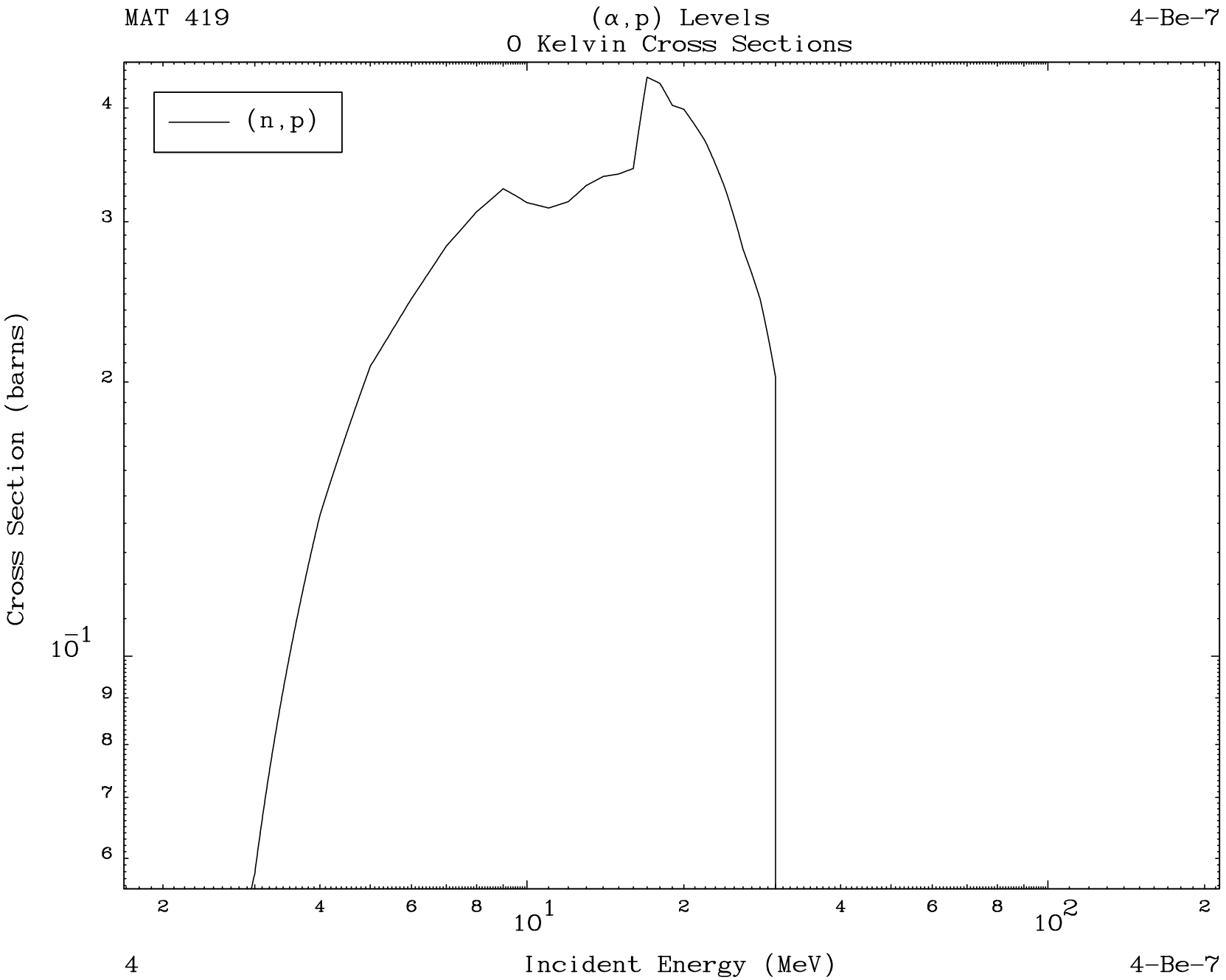
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

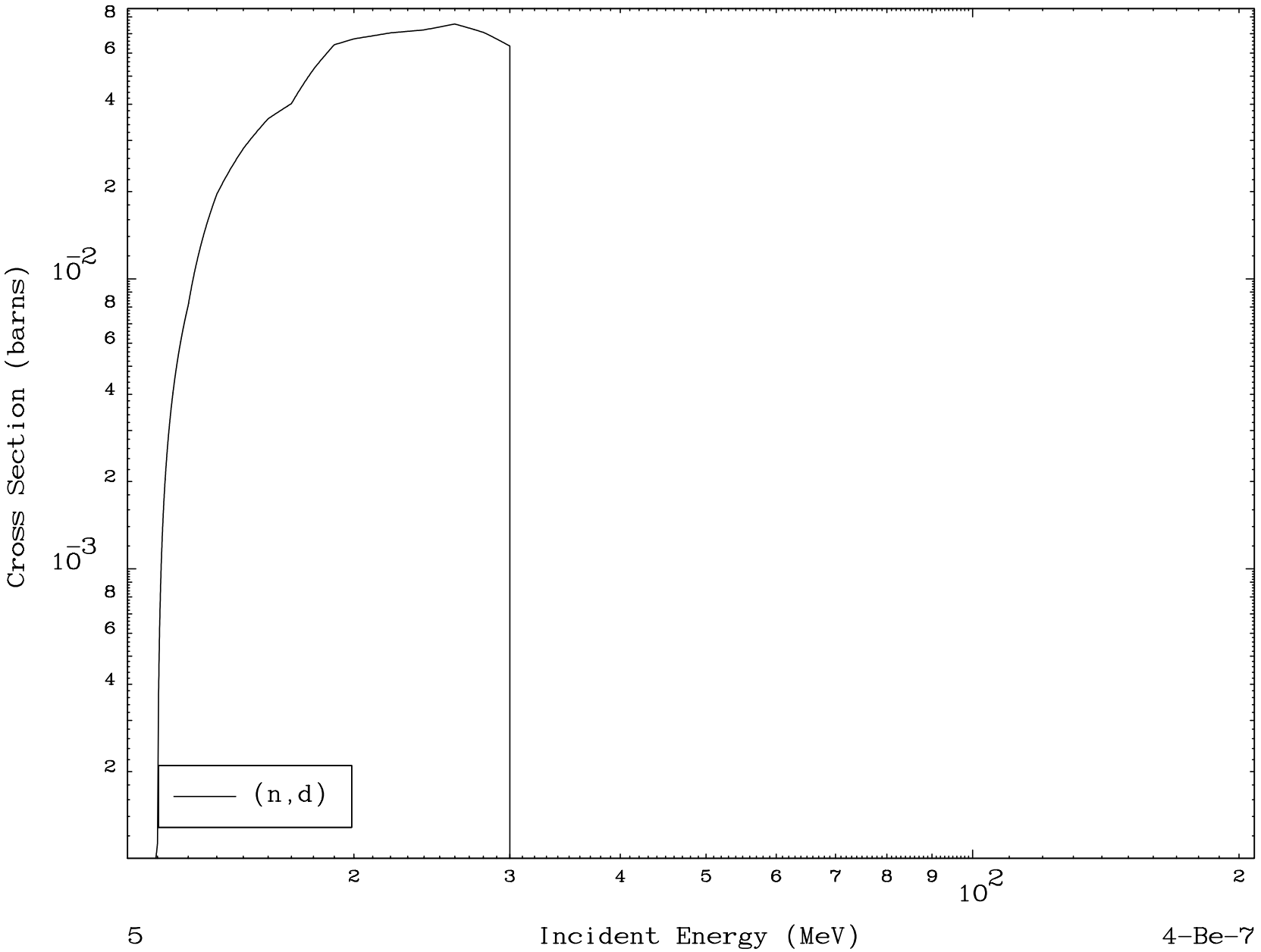
Press Mouse Button to Start

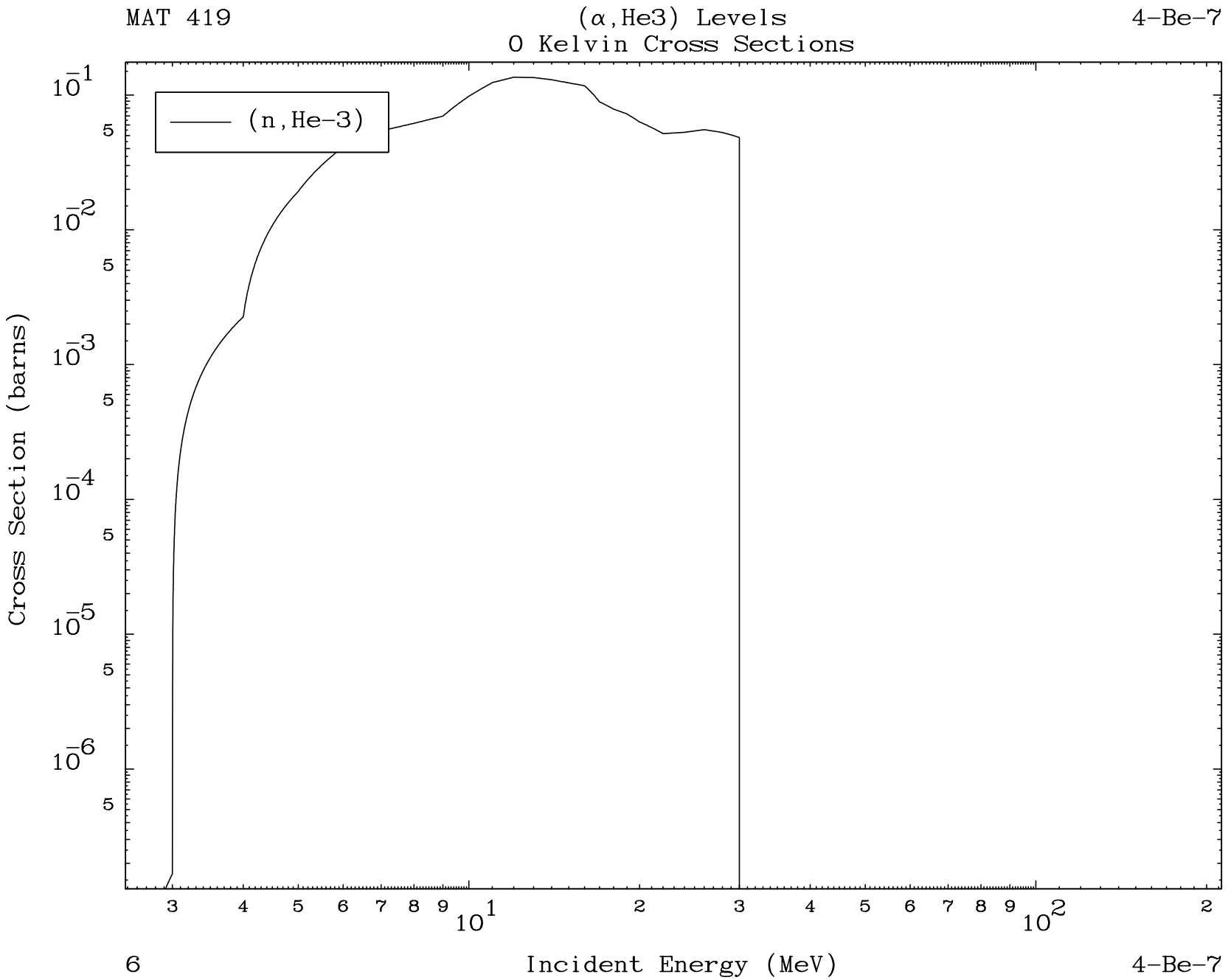

MAT 419
α Major
4-Be-7
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
4-Be-7

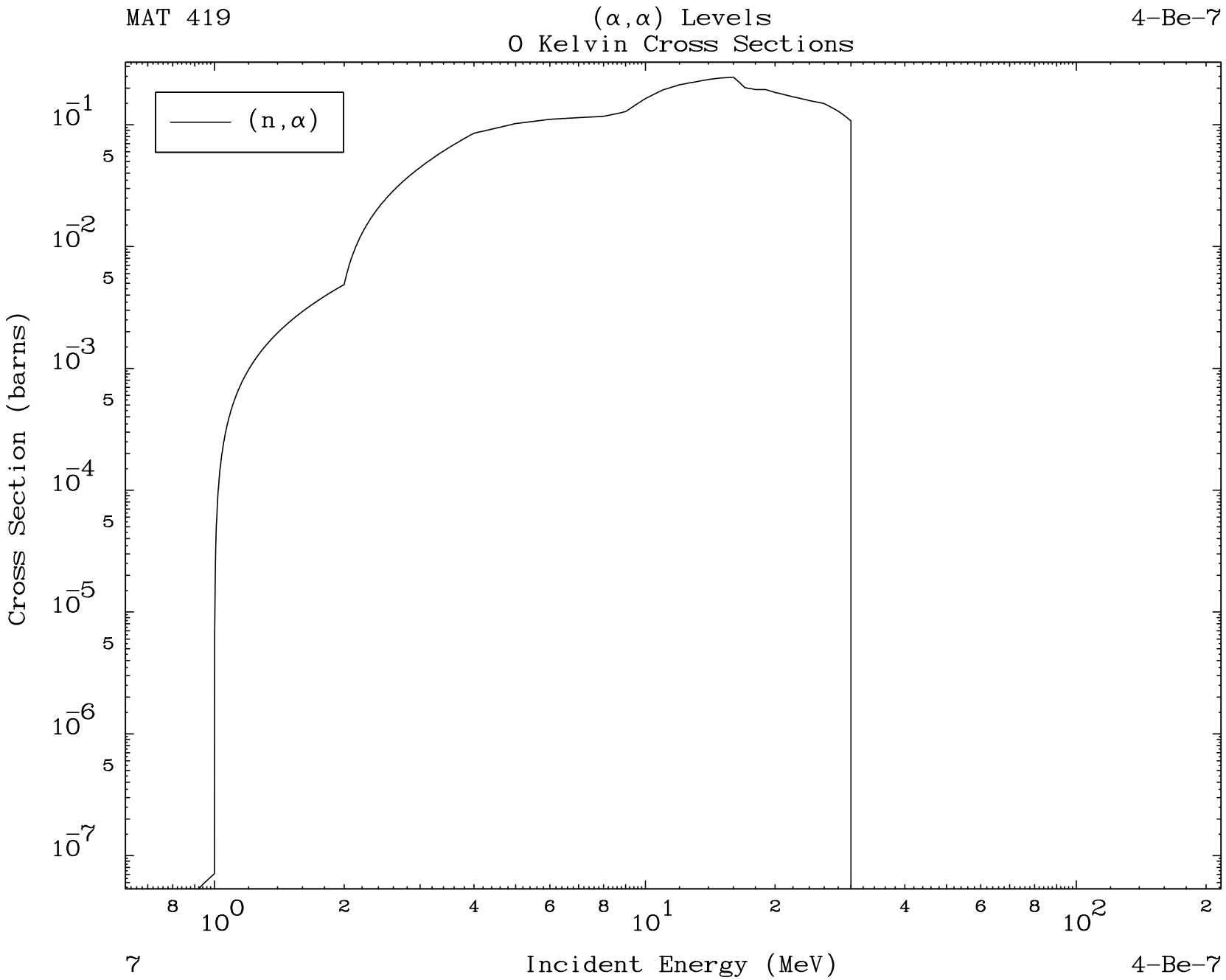

MAT 419
α Neutron Absorption
0 Kelvin Cross Sections
4-Be-7
(n,n') p
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
2
4-Be-7


MAT 419
α Charged Particle
0 Kelvin Cross Sections
4-Be-7
Cross Section (barns)
Incident Energy (MeV)
3
4-Be-7
(n,n') p
(n,p)
(n,d)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d


MAT 419
(α,p) Levels
0 Kelvin Cross Sections
4-Be-7
(n,p)
Cross Section (barns)
4
3
2
10^-1
9
8
7
6
2
4
6
8
10^1
2
4
6
8
10^2
2
Incident Energy (MeV)
4
4-Be-7


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


MAT 419
(α,He3) Levels
4-Be-7
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
4-Be-7


MAT 419
(α,α) Levels
4-Be-7
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
7
4-Be-7