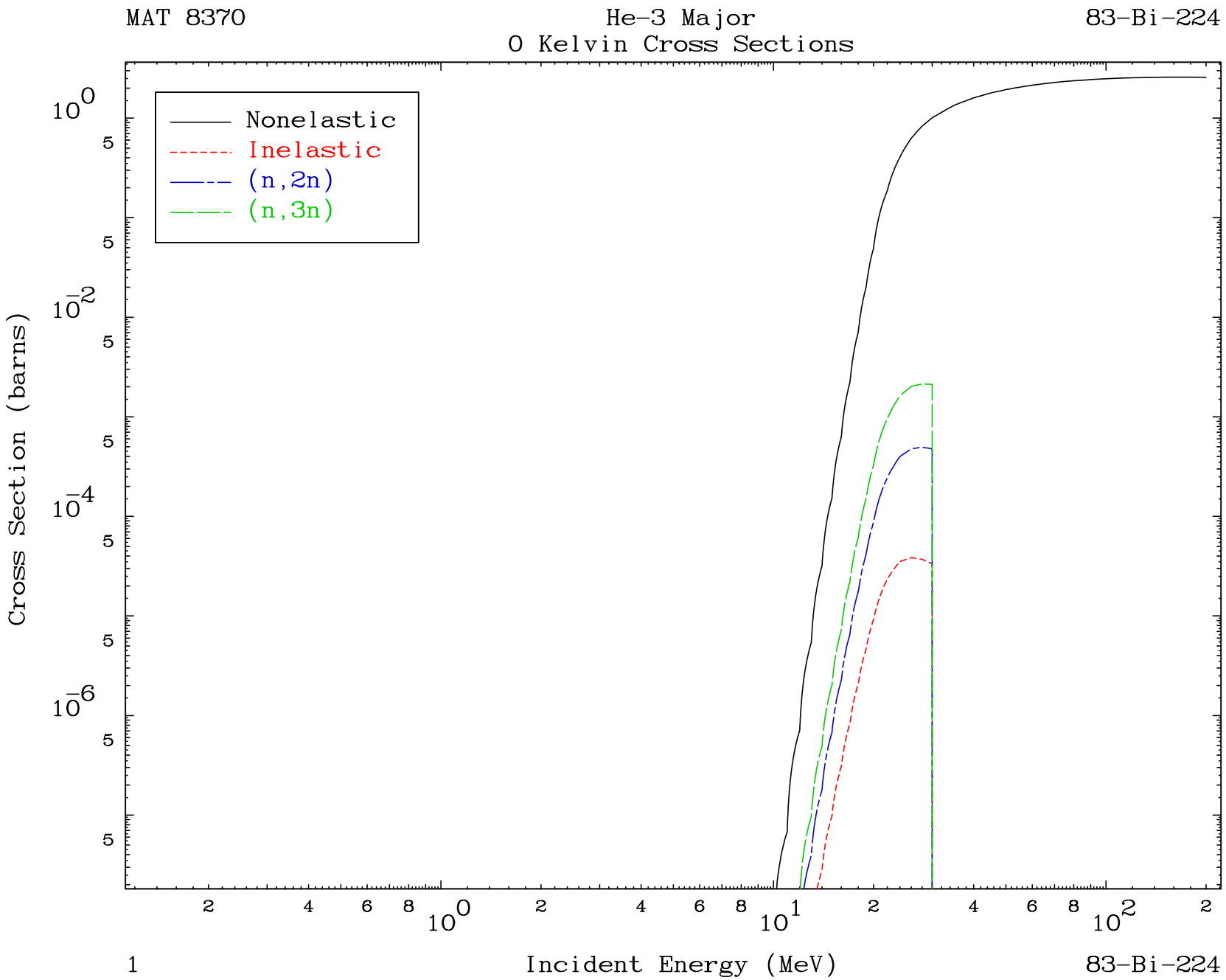
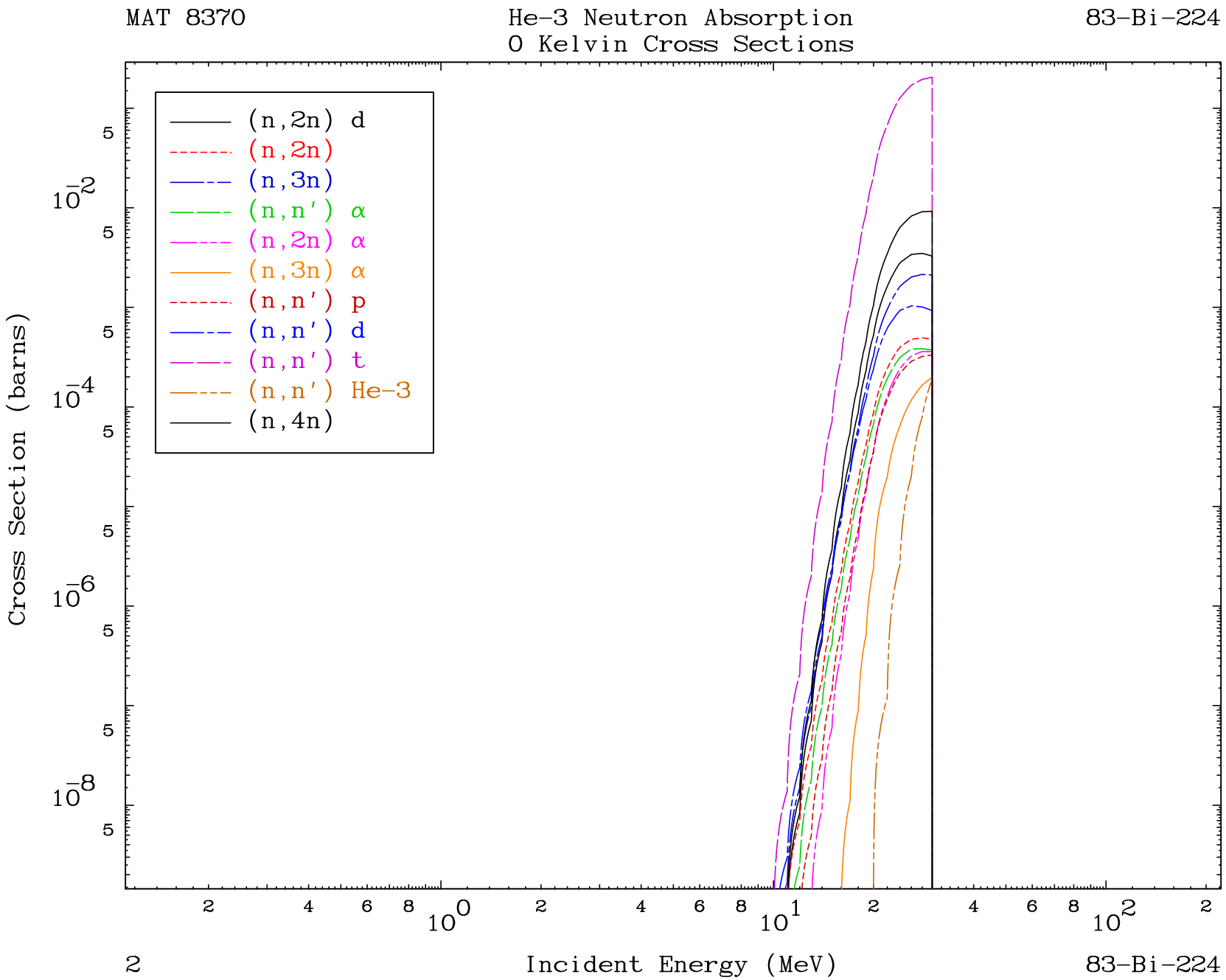
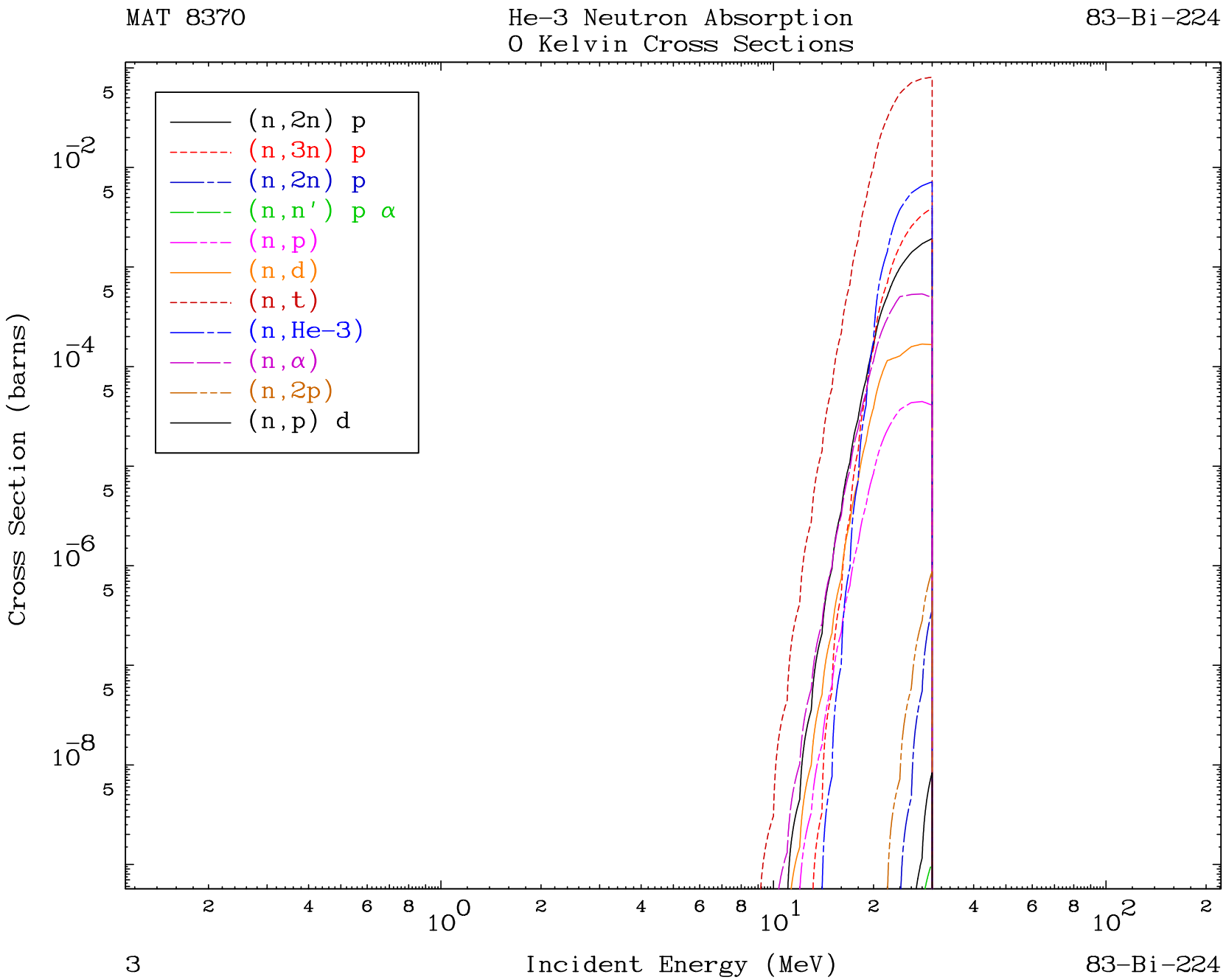
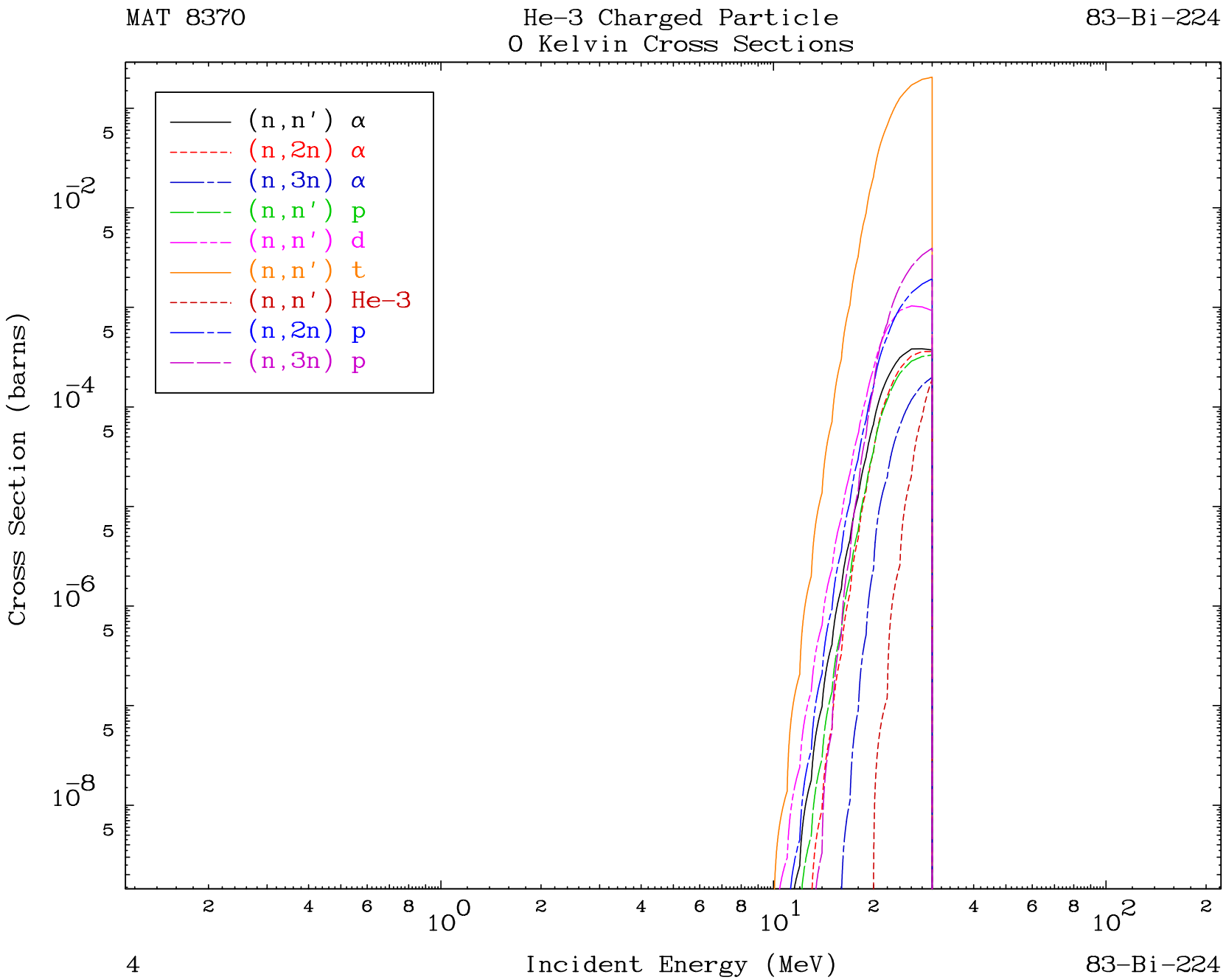
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

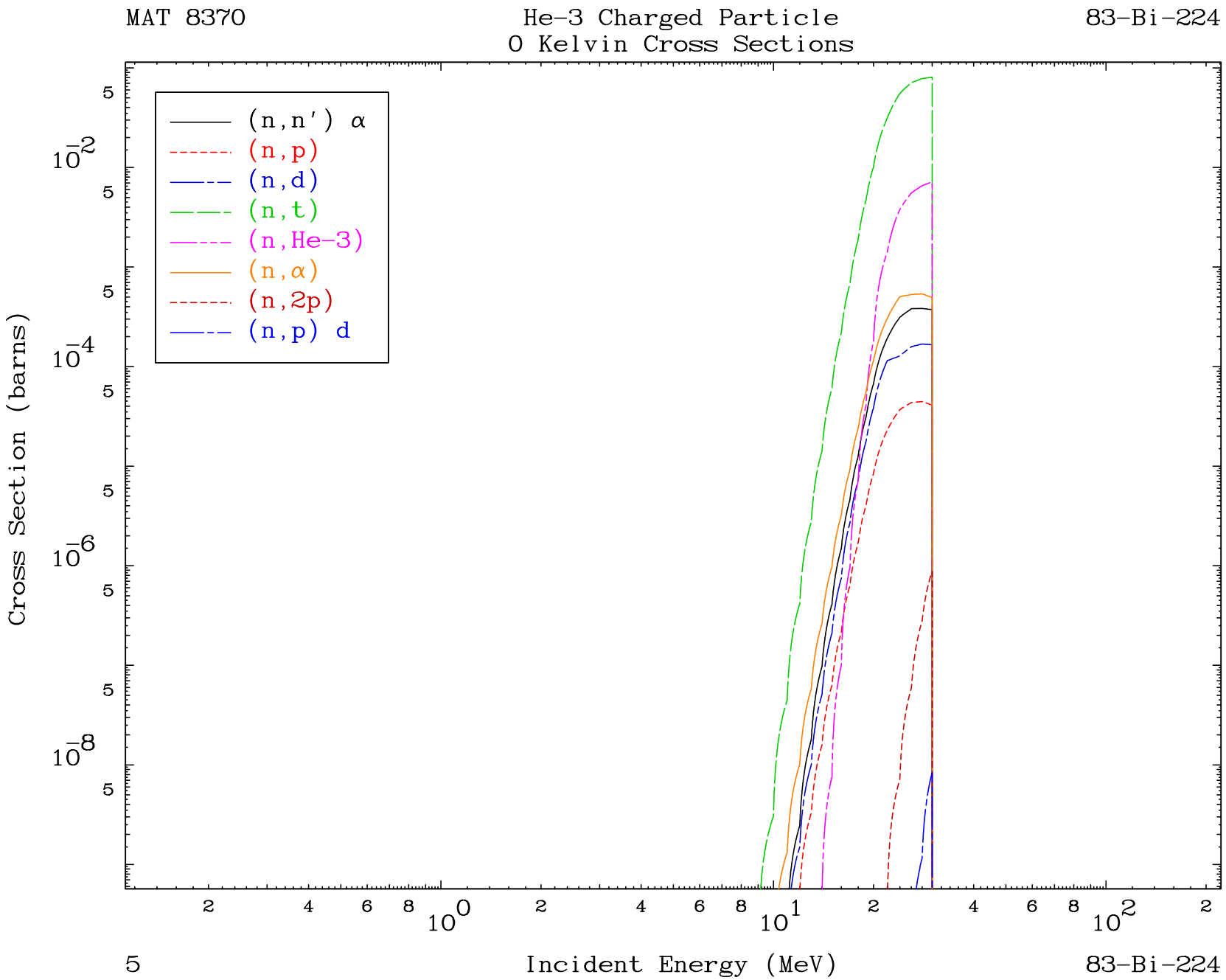
Press Mouse Button to Start

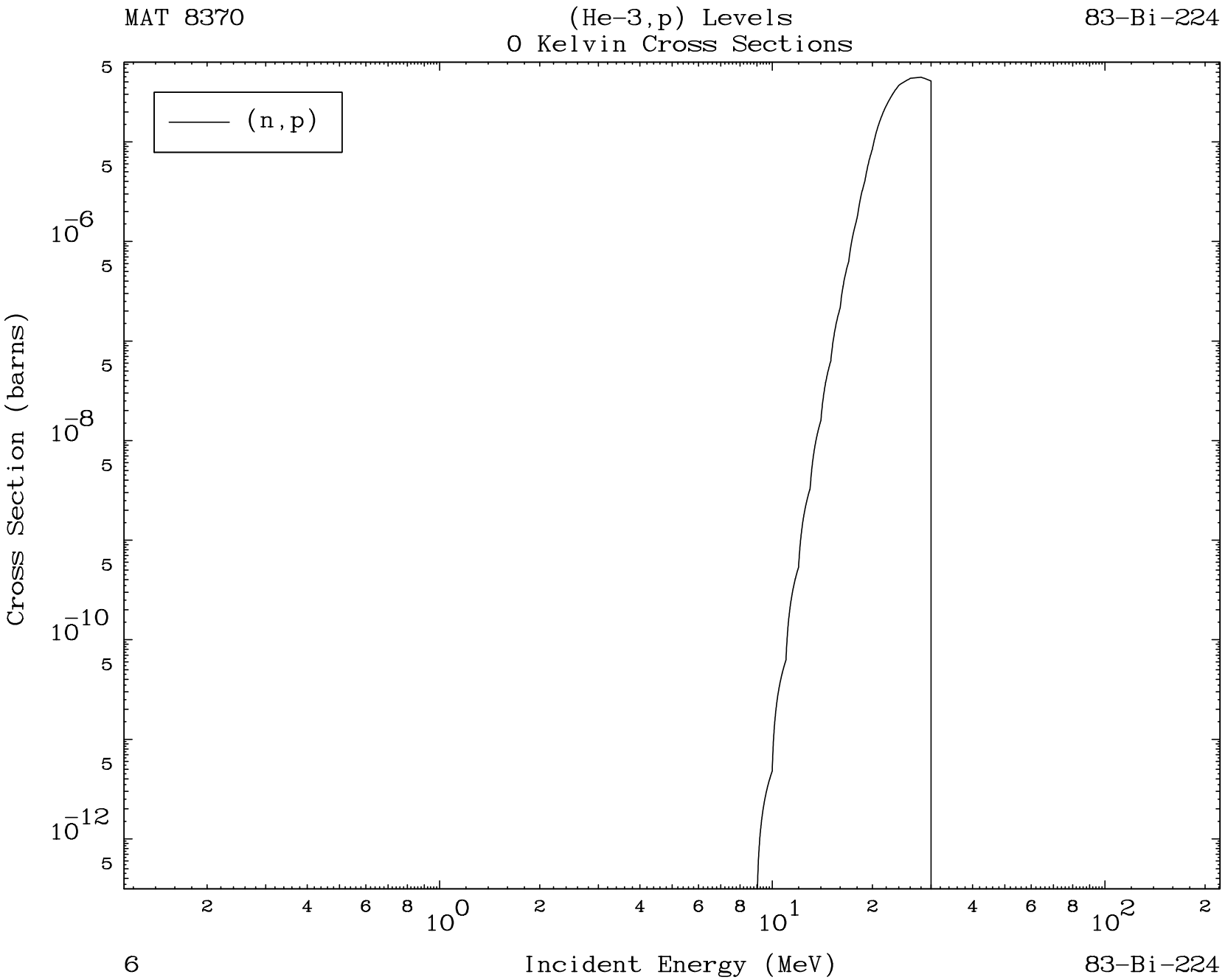

MAT 8370
He-3 Major
83-Bi-224
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-224

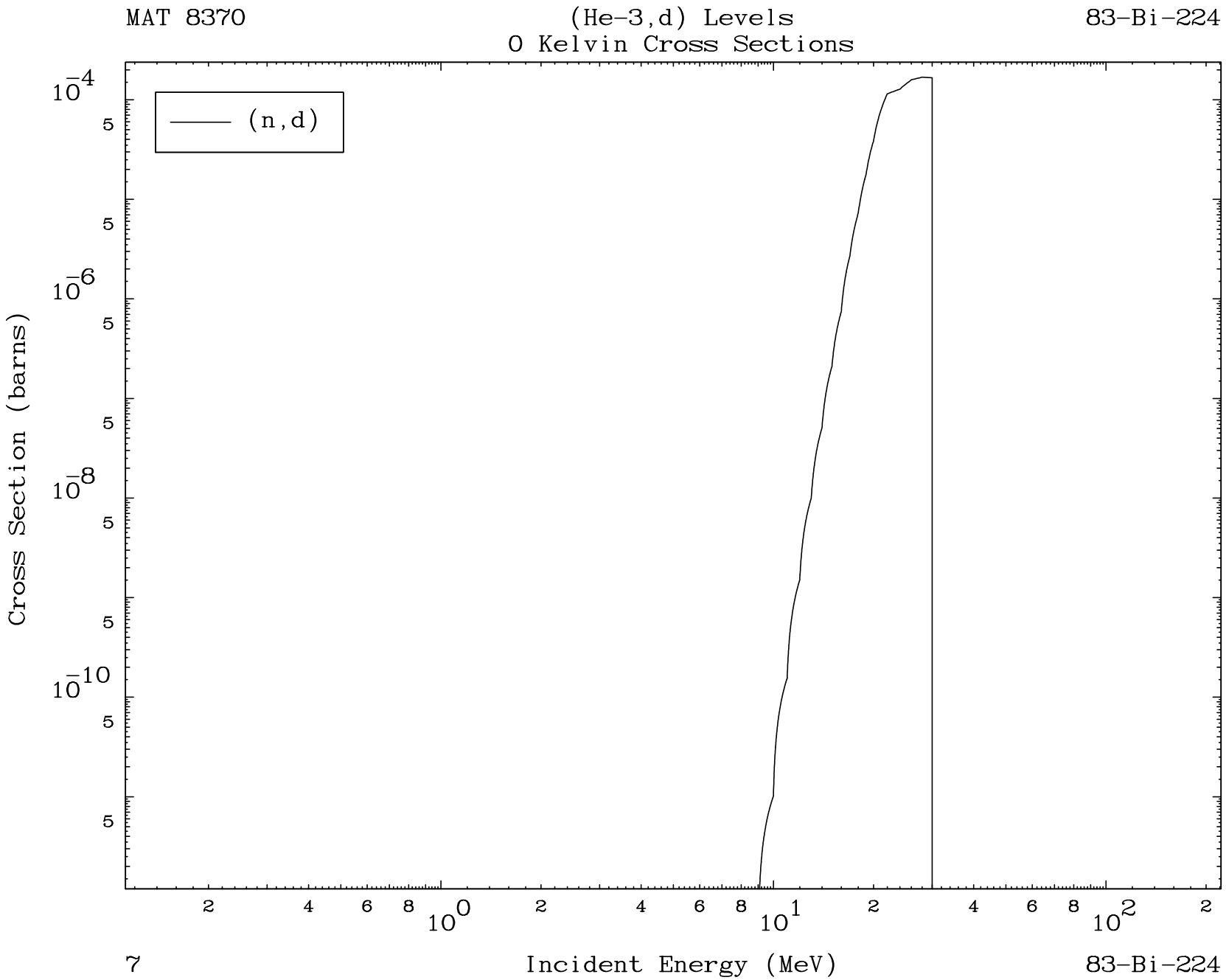

MAT 8370
He-3 Neutron Absorption
0 Kelvin Cross Sections
83-Bi-224
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-224

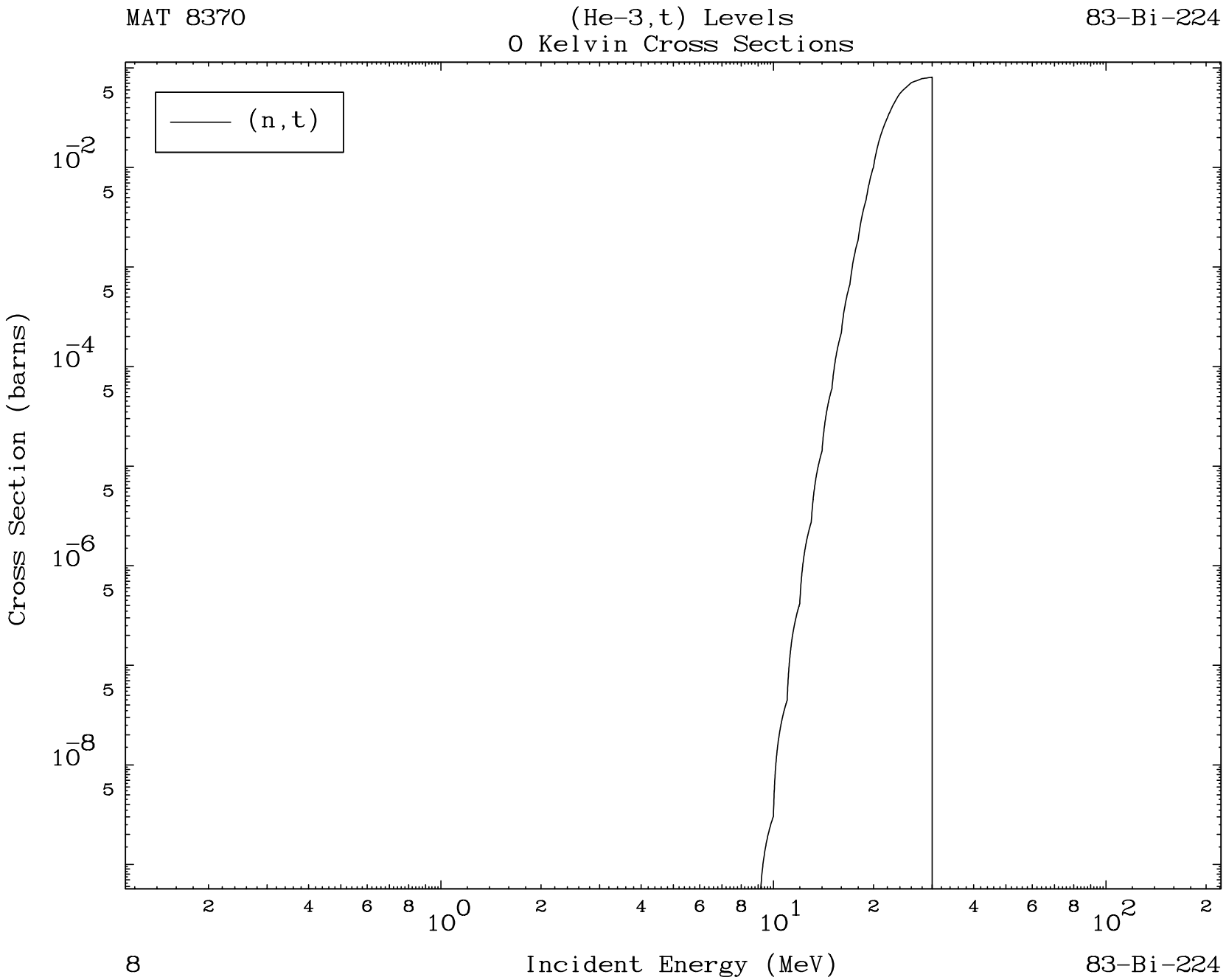

MAT 8370
He-3 Neutron Absorption
0 Kelvin Cross Sections
83-Bi-224
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
3
83-Bi-224

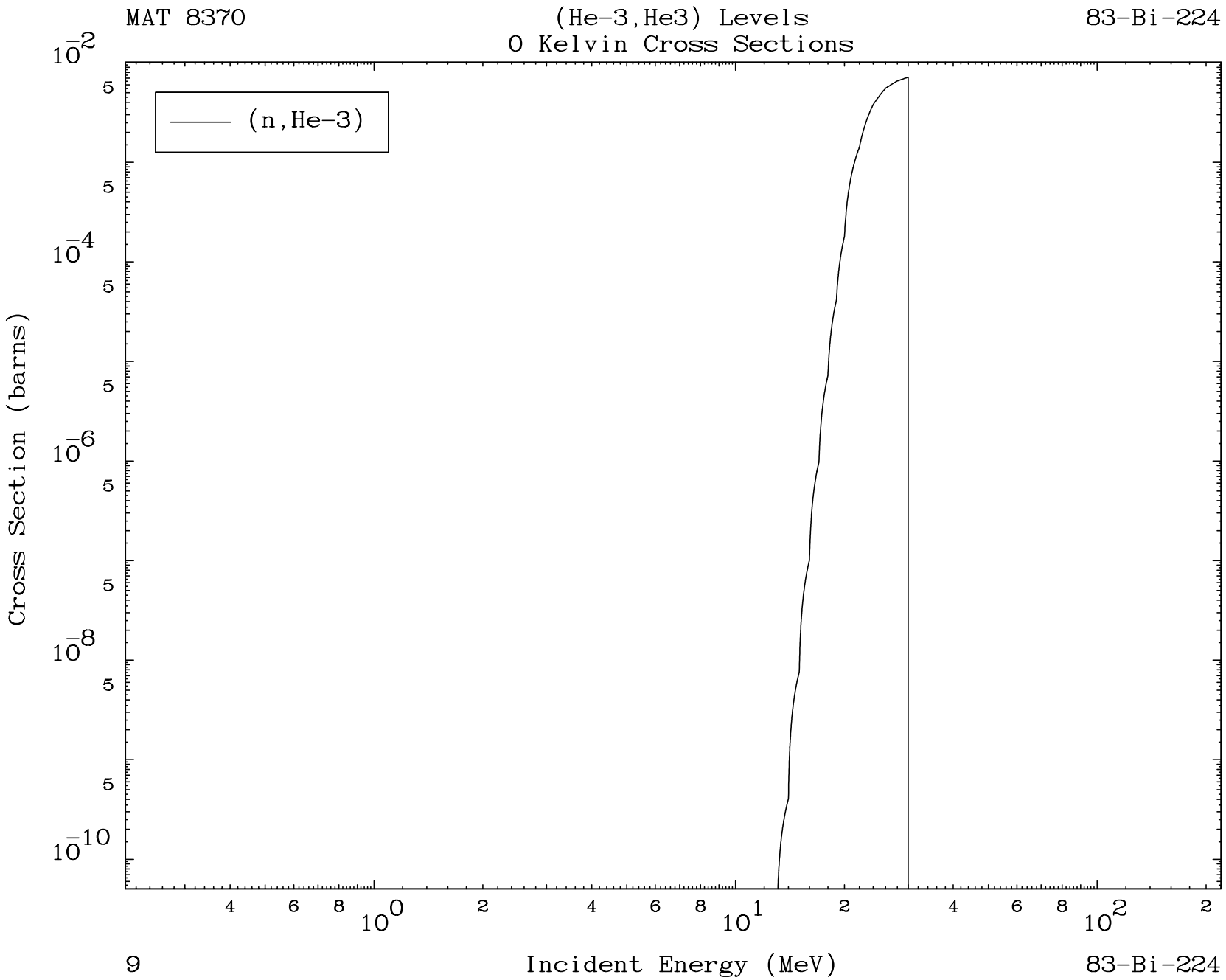

MAT 8370
He-3 Charged Particle
0 Kelvin Cross Sections
83-Bi-224
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-224

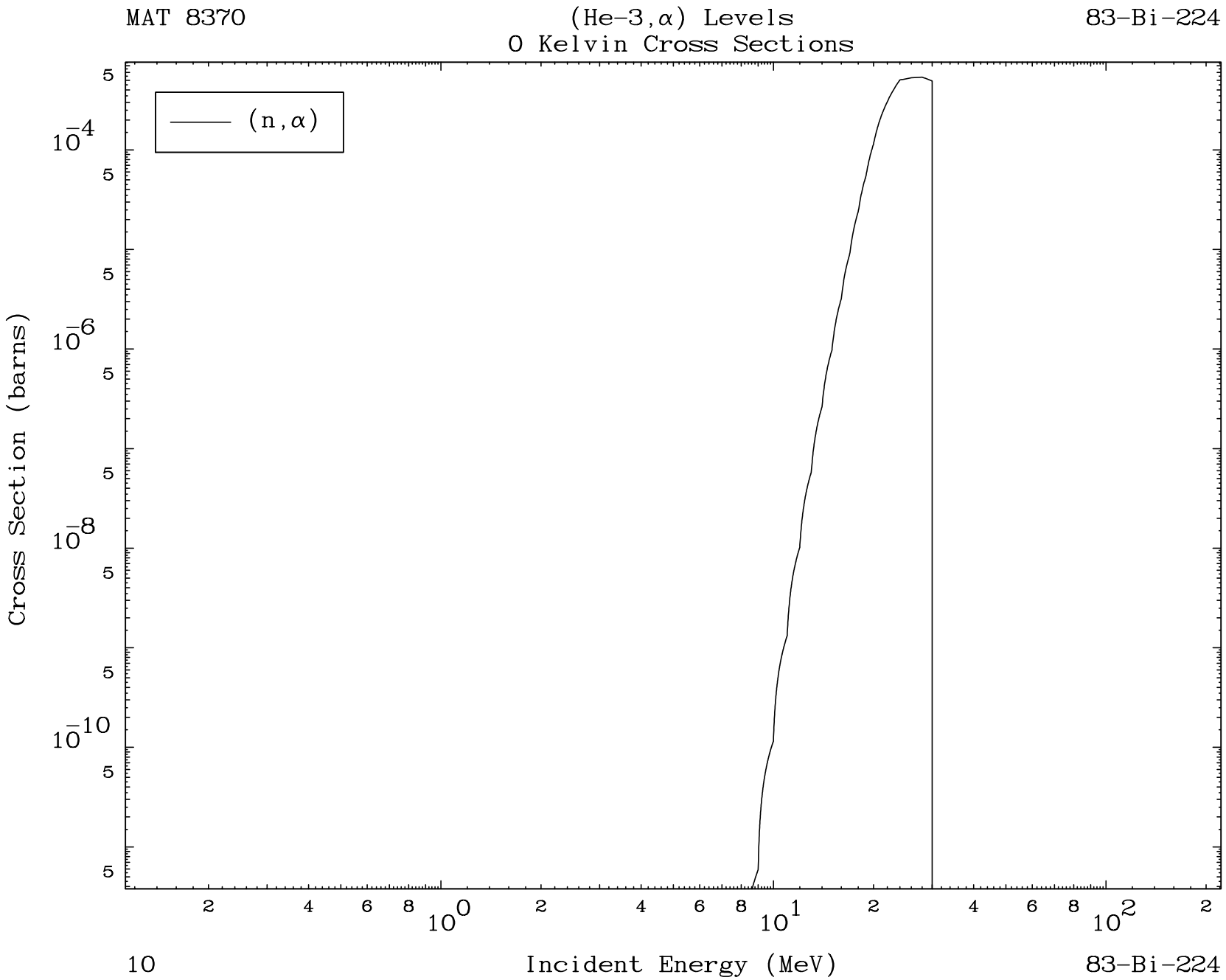

MAT 8370
He-3 Charged Particle
0 Kelvin Cross Sections
83-Bi-224
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
83-Bi-224

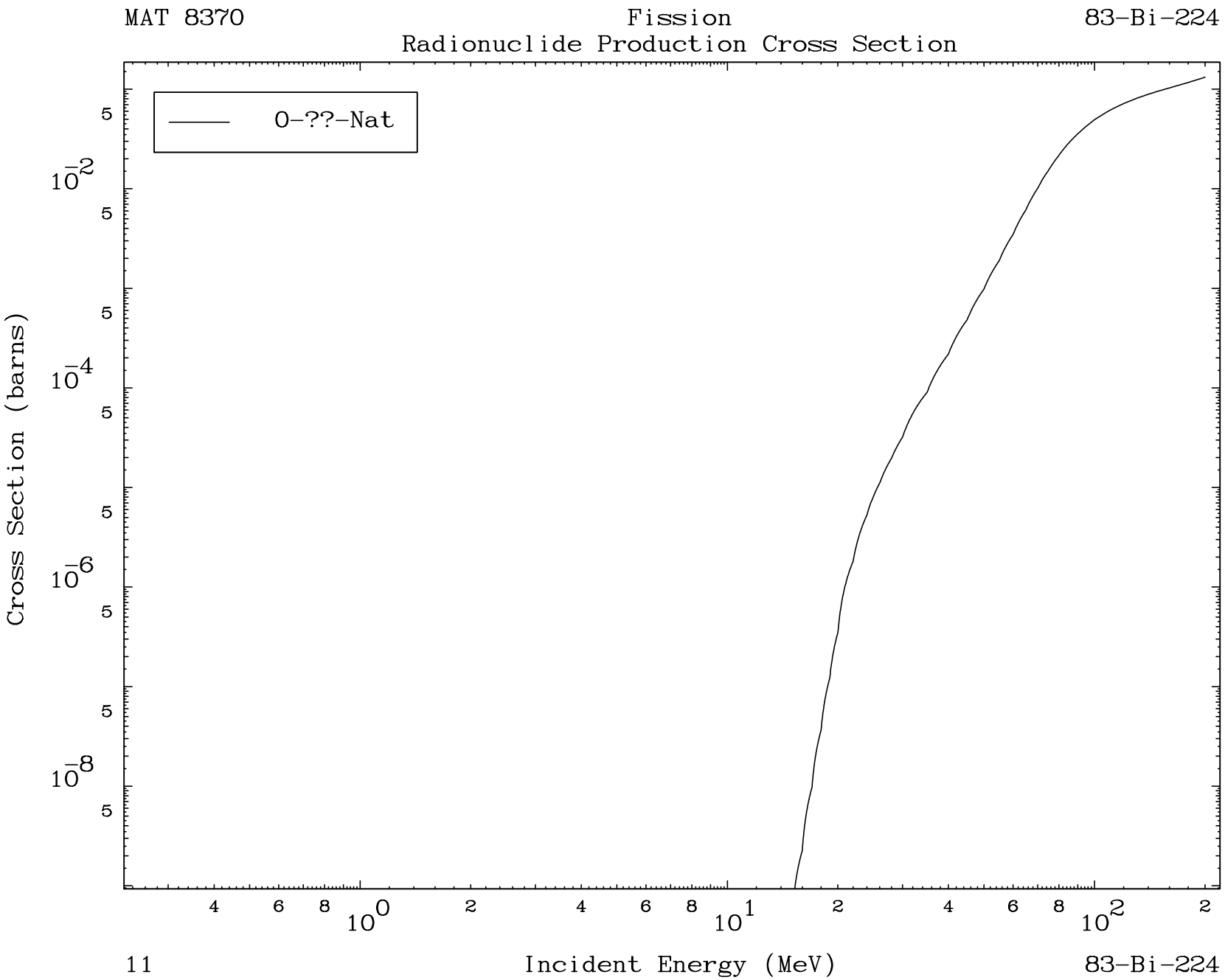

MAT 8370
(He-3,p) Levels
83-Bi-224
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
83-Bi-224


MAT 8370
(He-3,d) Levels
0 Kelvin Cross Sections
83-Bi-224
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
100
101
102
7
83-Bi-224


MAT 8370
(He-3,t) Levels
0 Kelvin Cross Sections
83-Bi-224
(n,t)
Cross Section (barns)
Incident Energy (MeV)
8
83-Bi-224


MAT 8370
(He-3,He3) Levels
83-Bi-224
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
83-Bi-224


MAT 8370
(He-3,α) Levels
83-Bi-224
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
83-Bi-224


MAT 8370
Fission
83-Bi-224
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
11
83-Bi-224