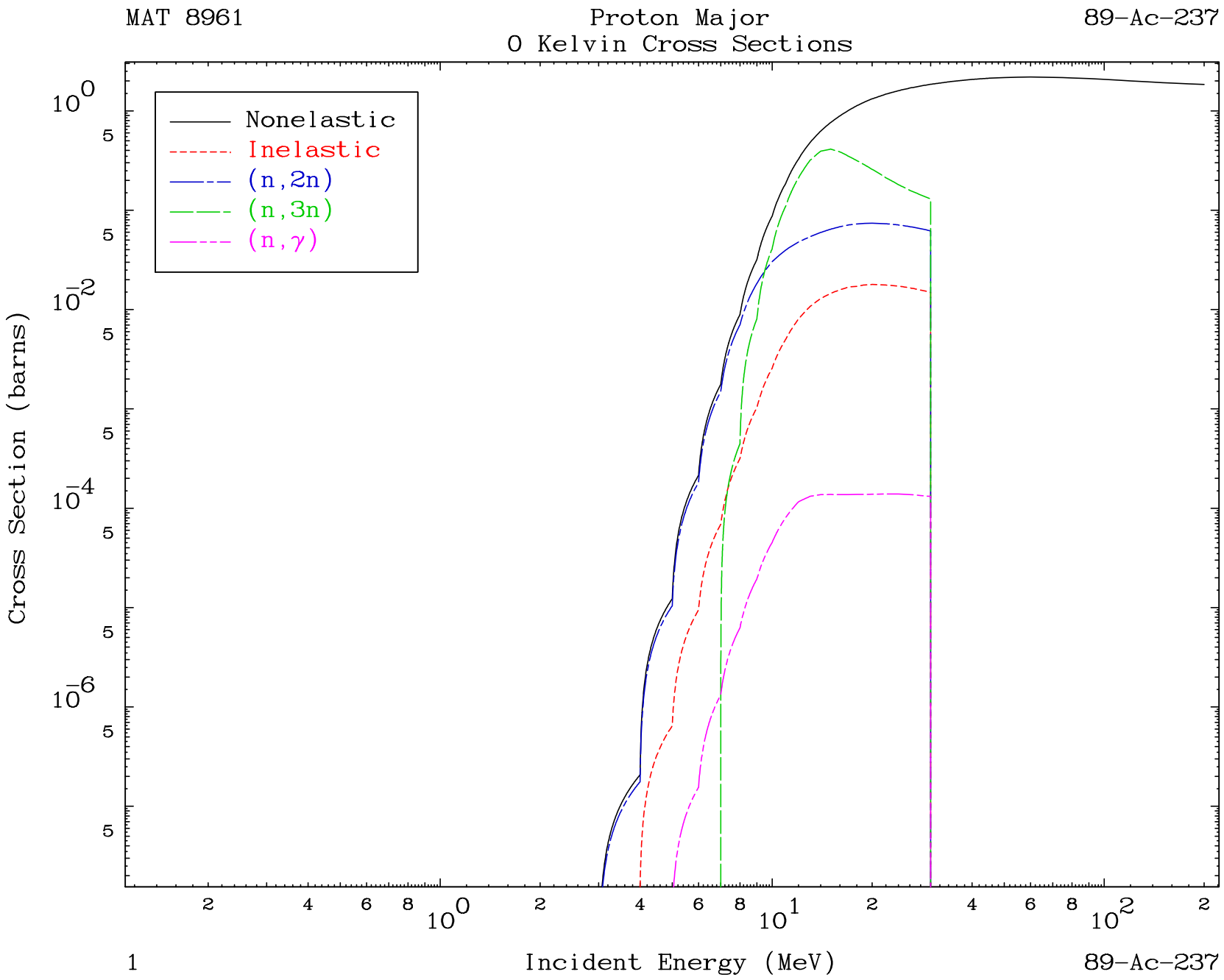
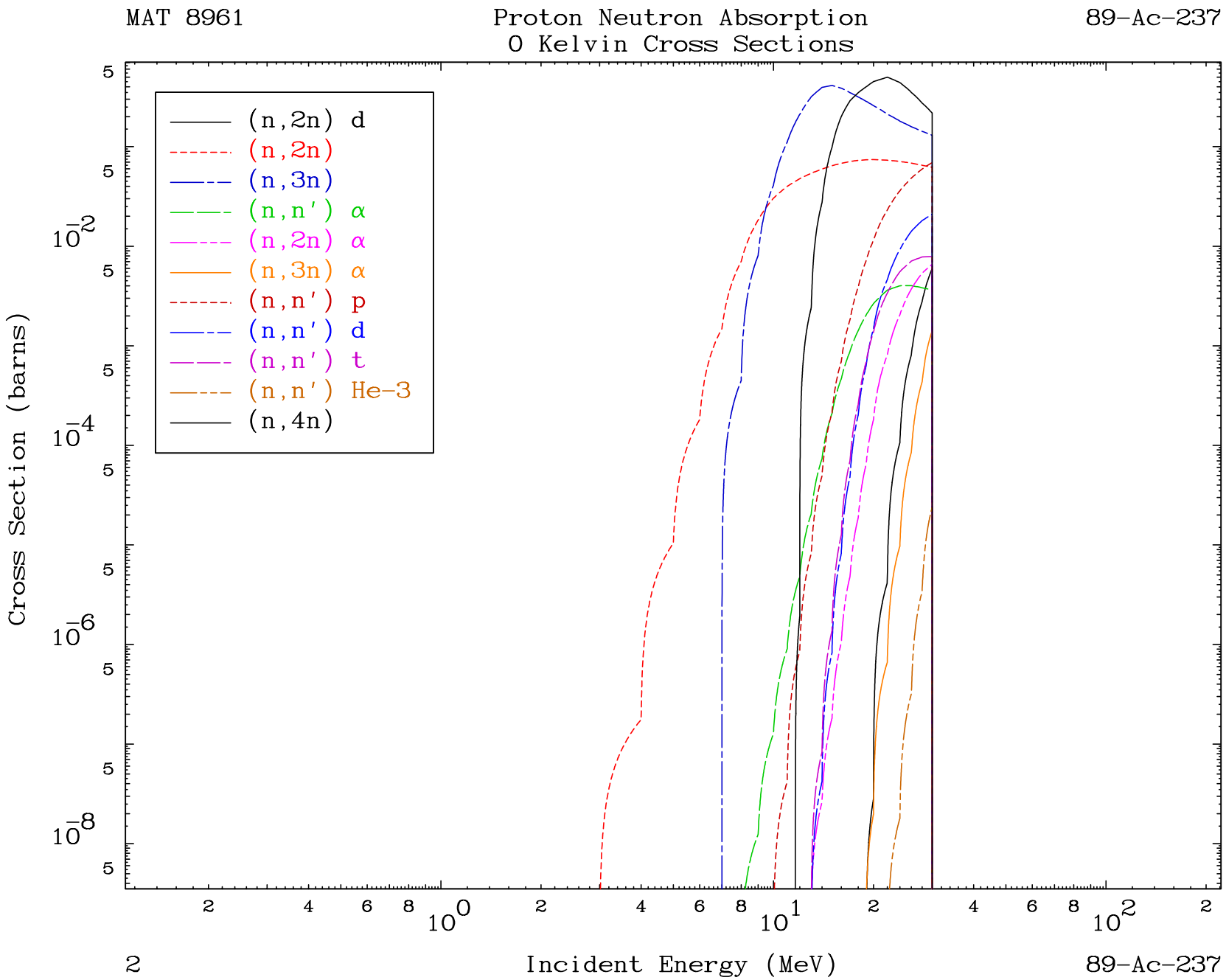
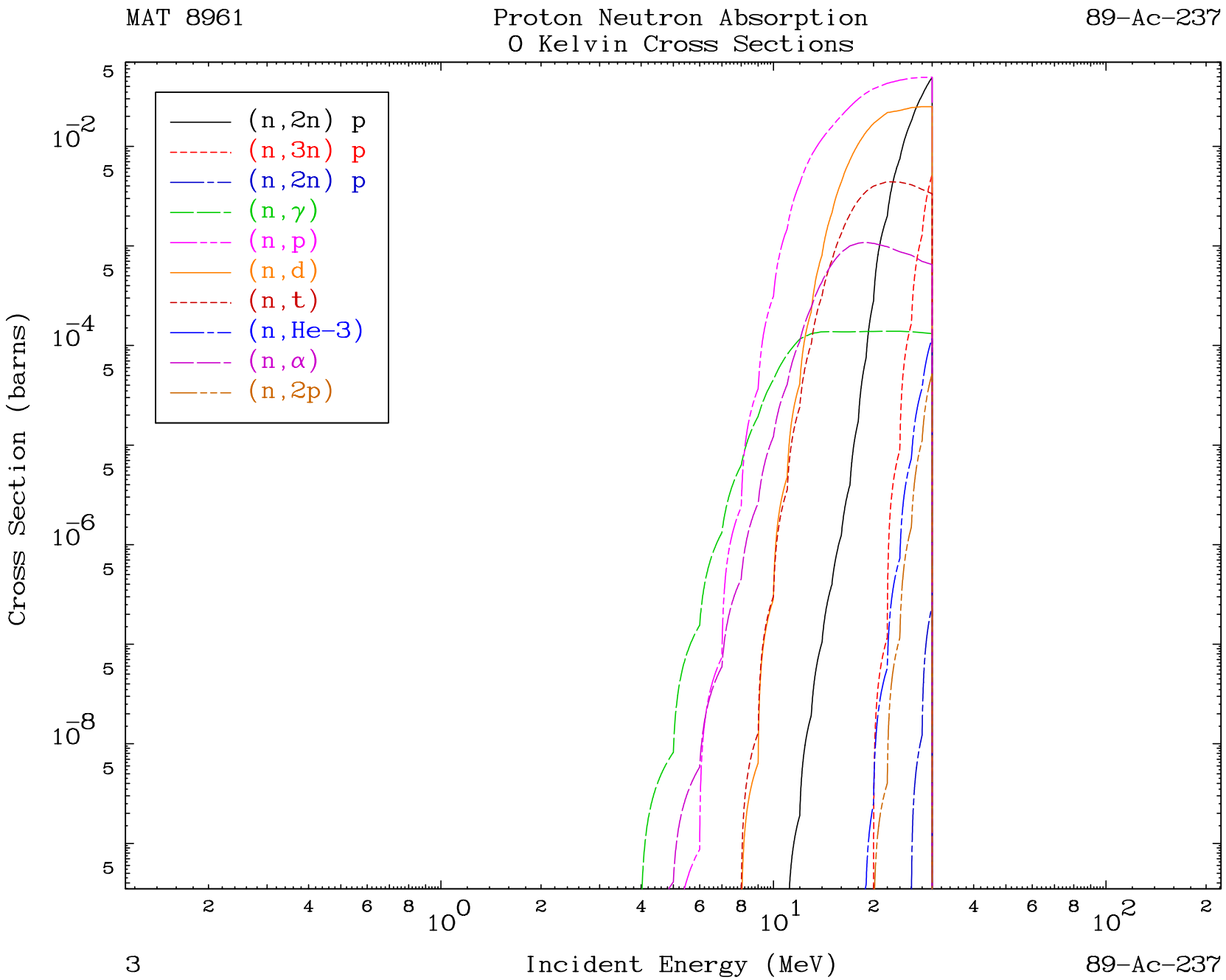
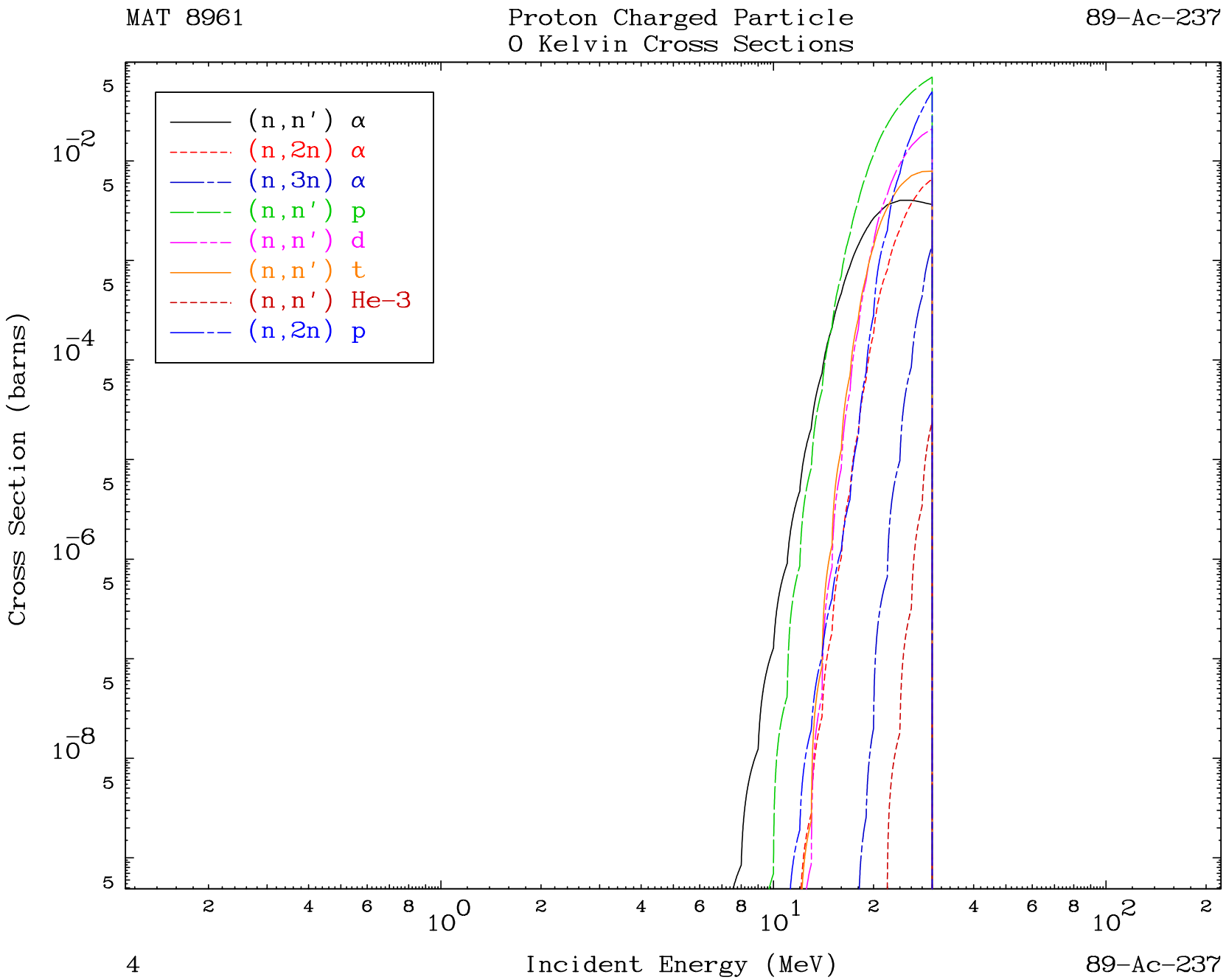
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

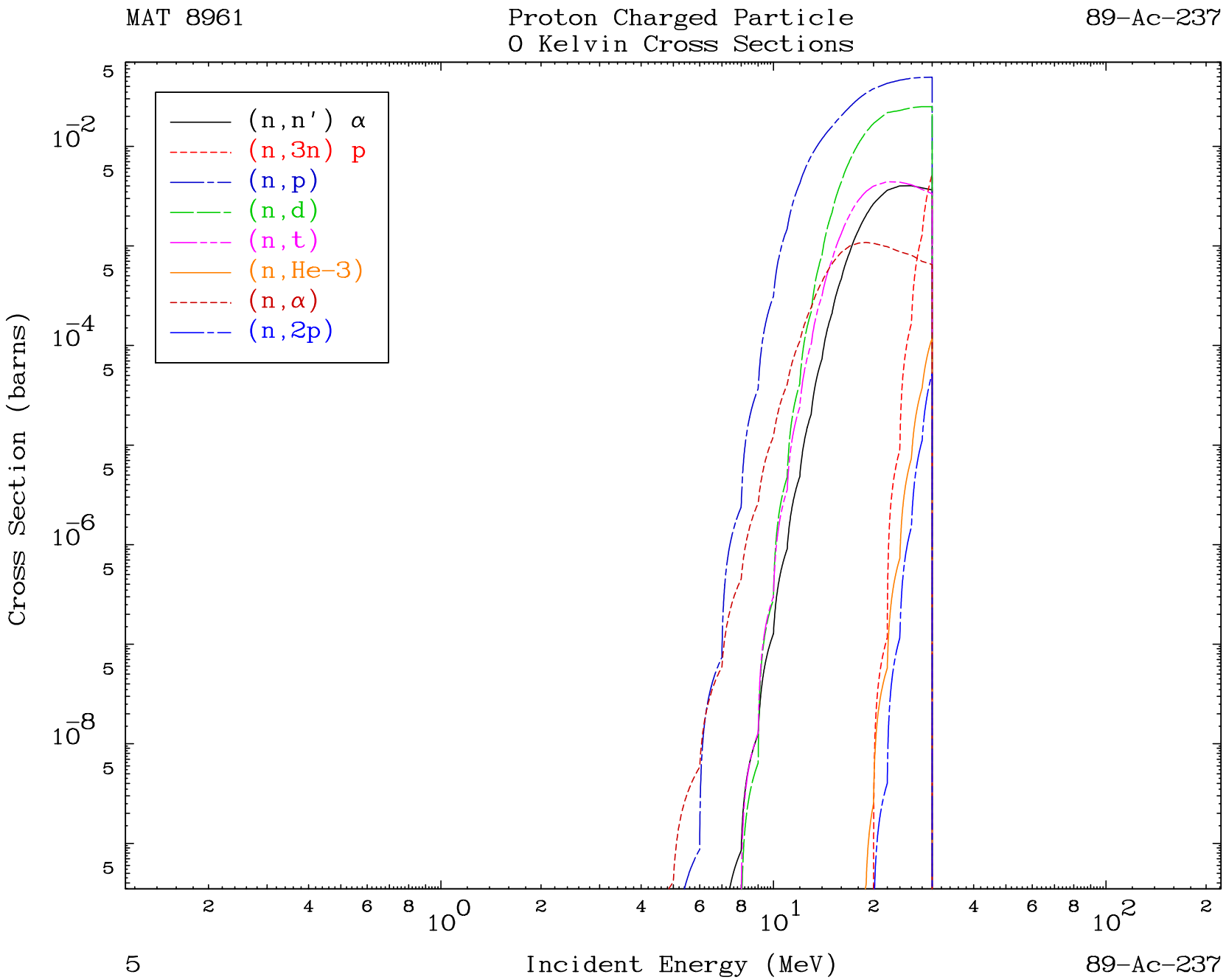
Press Mouse Button to Start

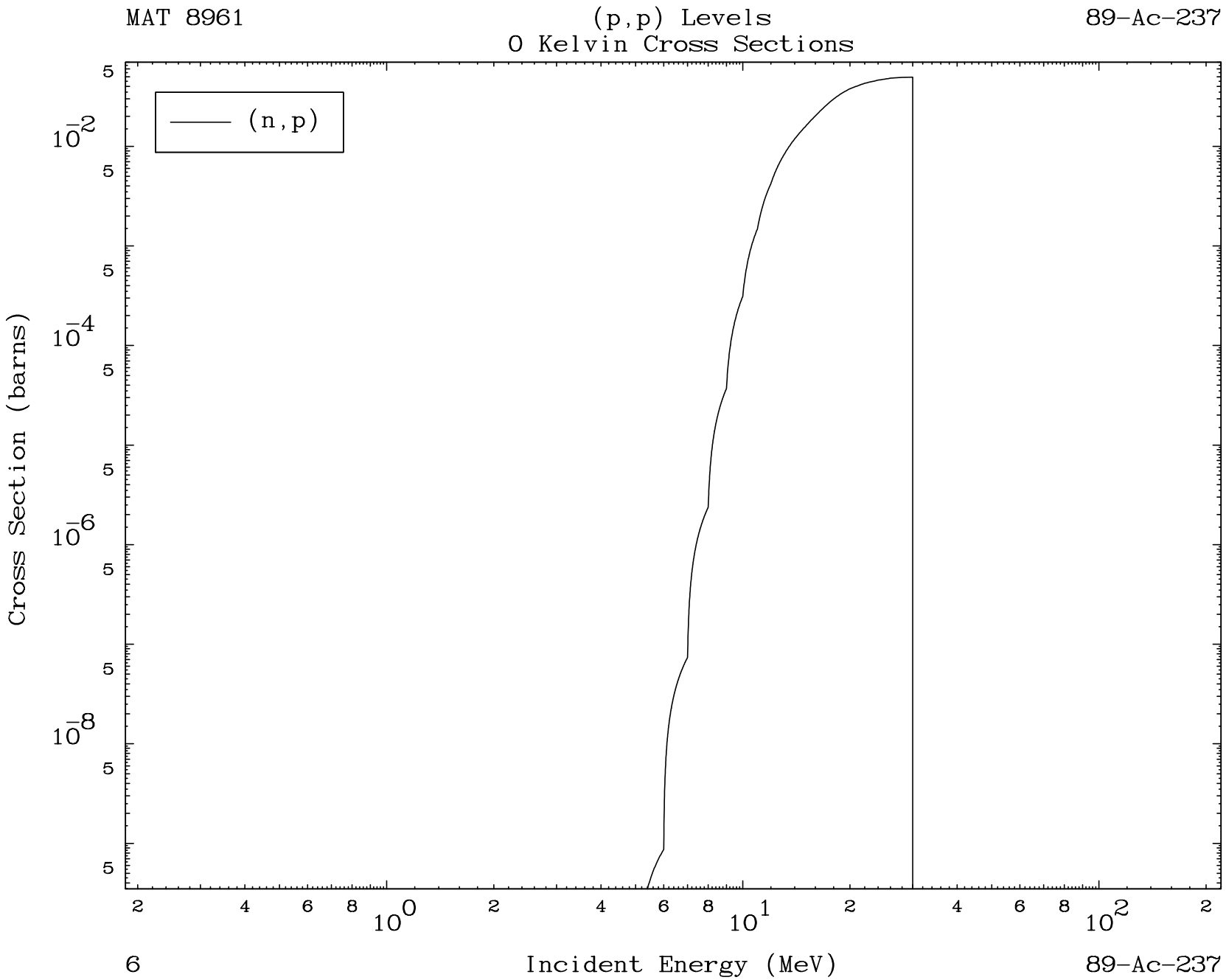

MAT 8961
Proton Major
89-Ac-237
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
89-Ac-237
1

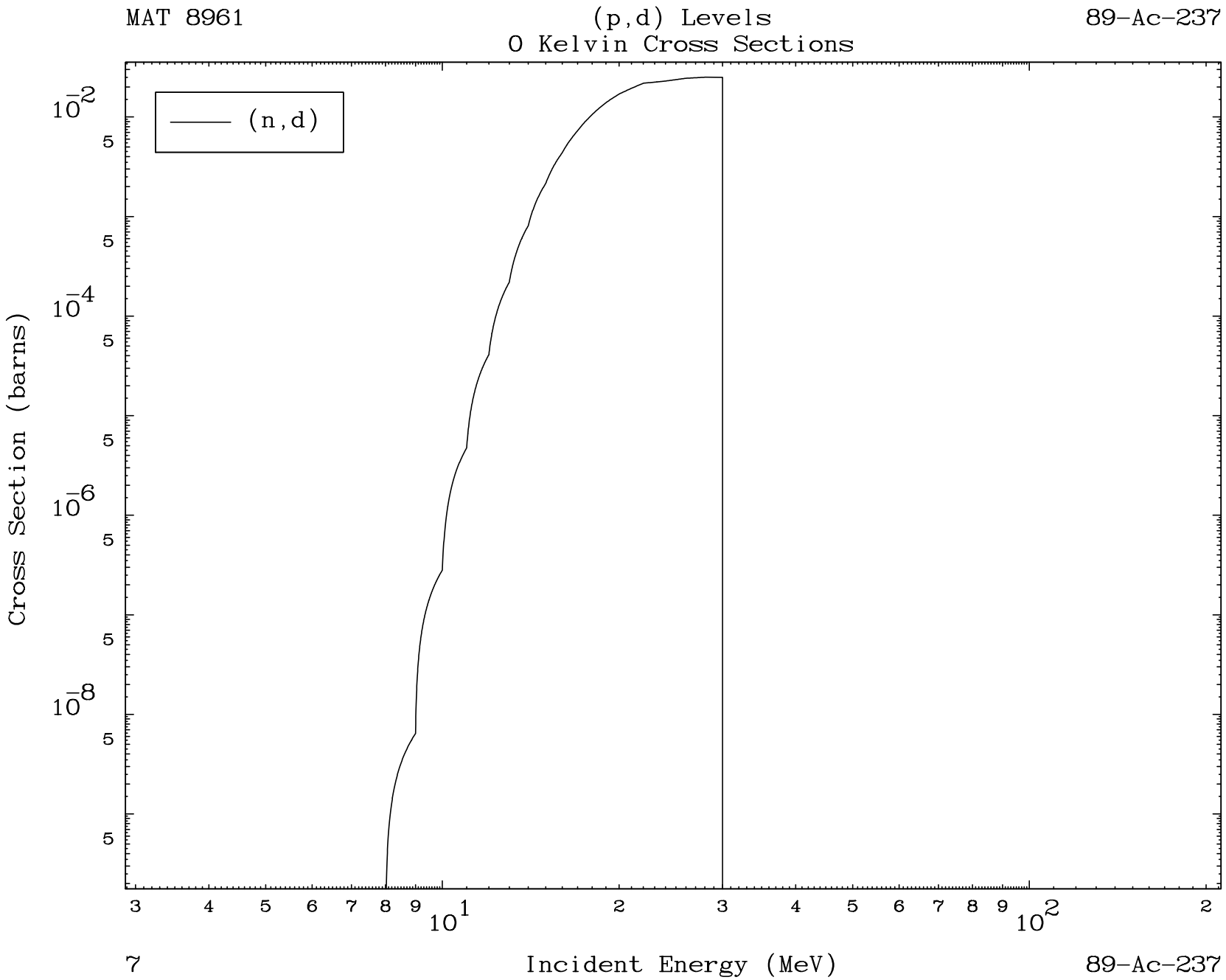

MAT 8961
Proton Neutron Absorption
0 Kelvin Cross Sections
89-Ac-237
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
Cross Section (barns)
Incident Energy (MeV)
89-Ac-237
2

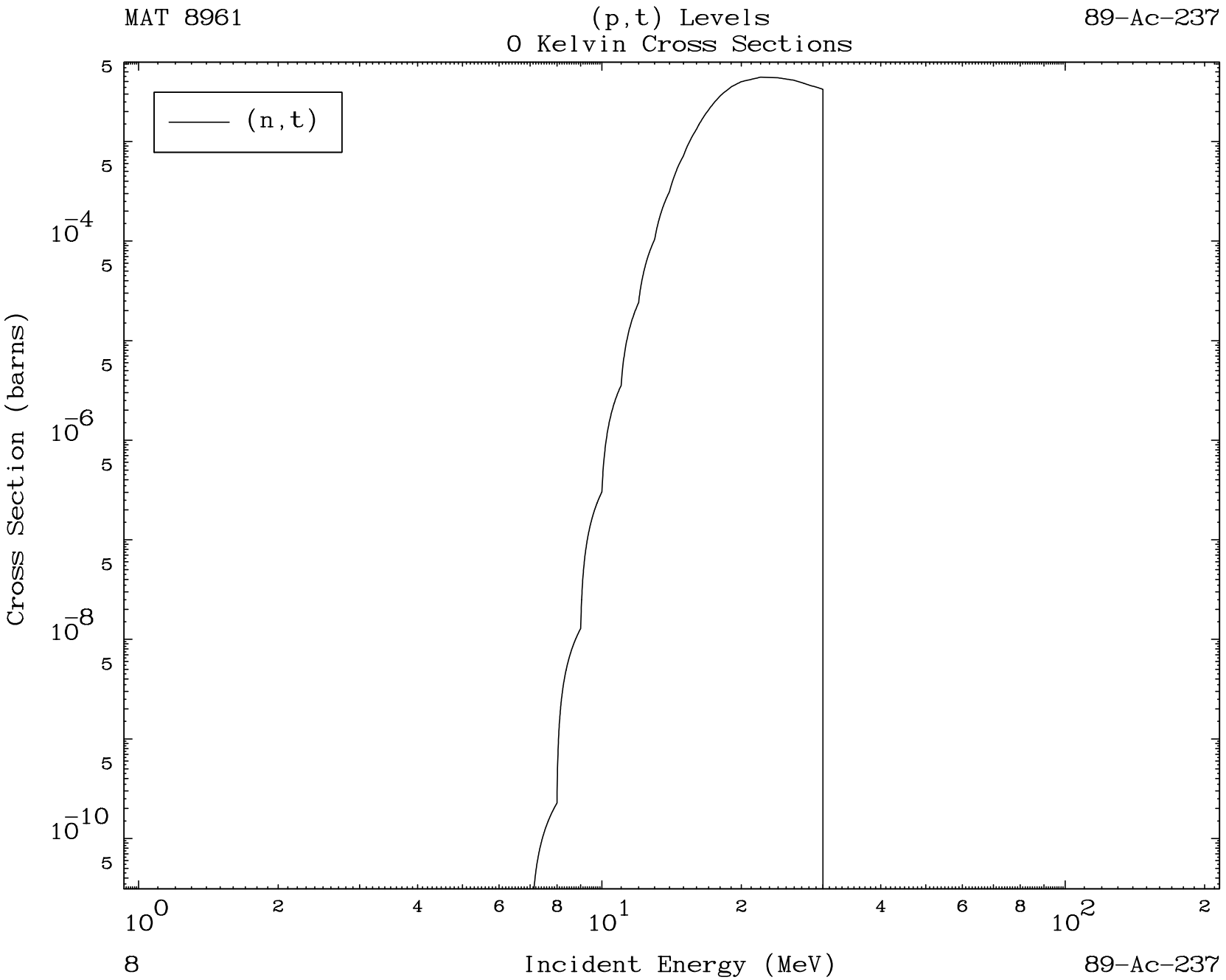

MAT 8961
Proton Neutron Absorption
0 Kelvin Cross Sections
89-Ac-237
(n,2n) p
(n,3n) p
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
3
89-Ac-237

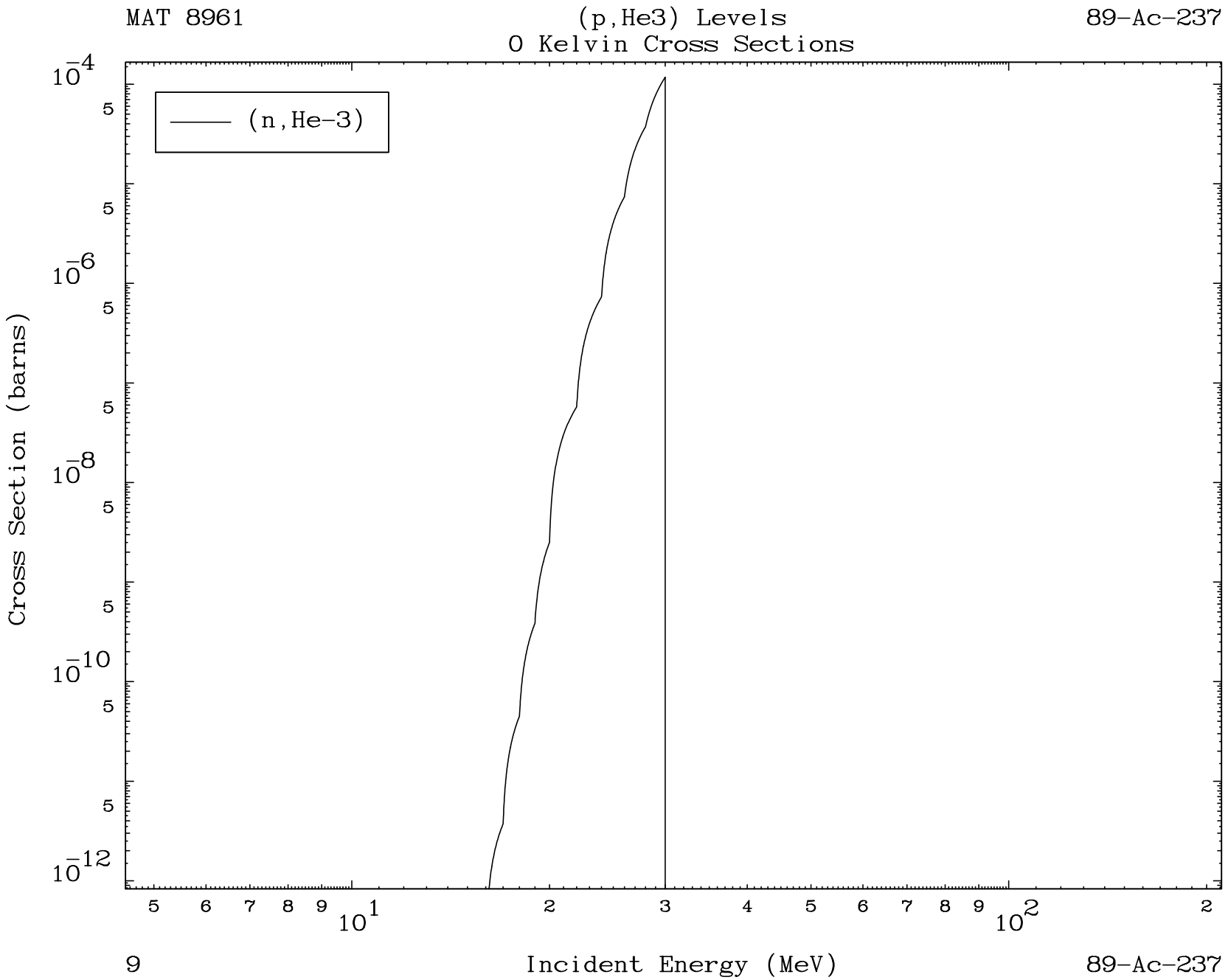

MAT 8961
Proton Charged Particle
0 Kelvin Cross Sections
89-Ac-237
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
89-Ac-237

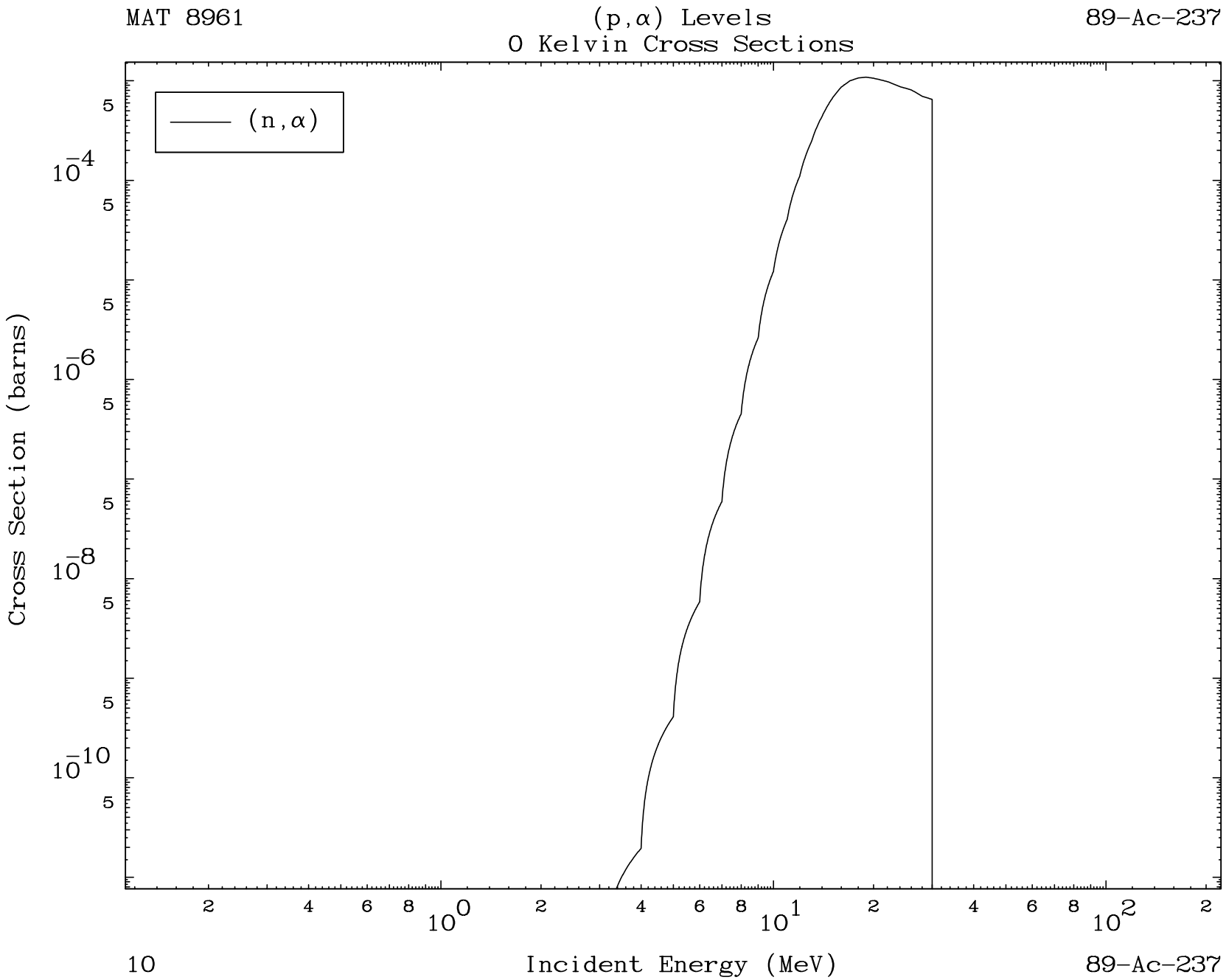

MAT 8961
Proton Charged Particle
0 Kelvin Cross Sections
89-Ac-237
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
89-Ac-237

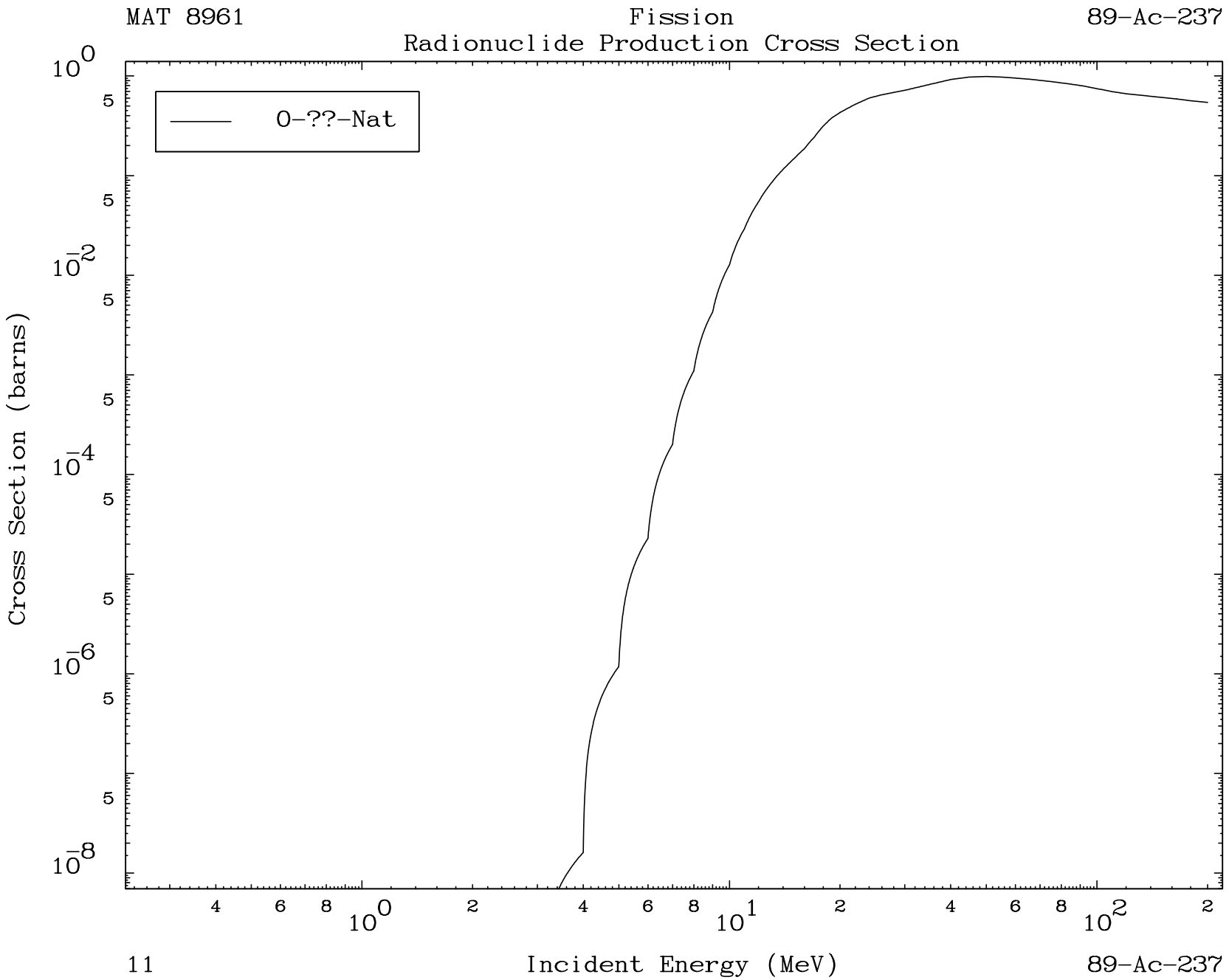

MAT 8961
(p,p) Levels
89-Ac-237
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
89-Ac-237


MAT 8961
(p,d) Levels
89-Ac-237
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
7
89-Ac-237


MAT 8961
(p,t) Levels
89-Ac-237
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
89-Ac-237
8


MAT 8961
(p,He3) Levels
89-Ac-237
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
89-Ac-237


MAT 8961
(p,α) Levels
89-Ac-237
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
10
Incident Energy (MeV)
89-Ac-237


MAT 8961
Fission
89-Ac-237
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
11
89-Ac-237