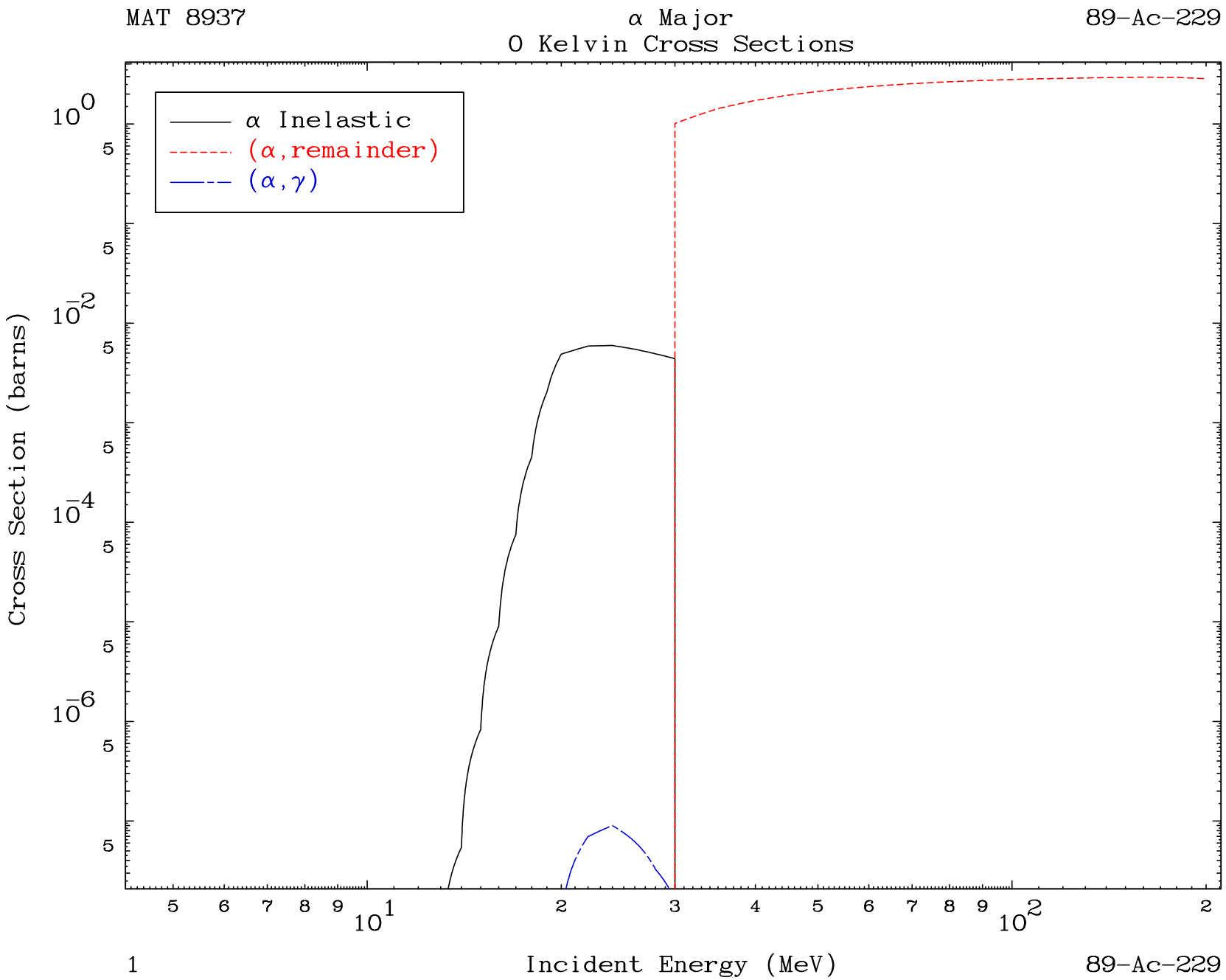
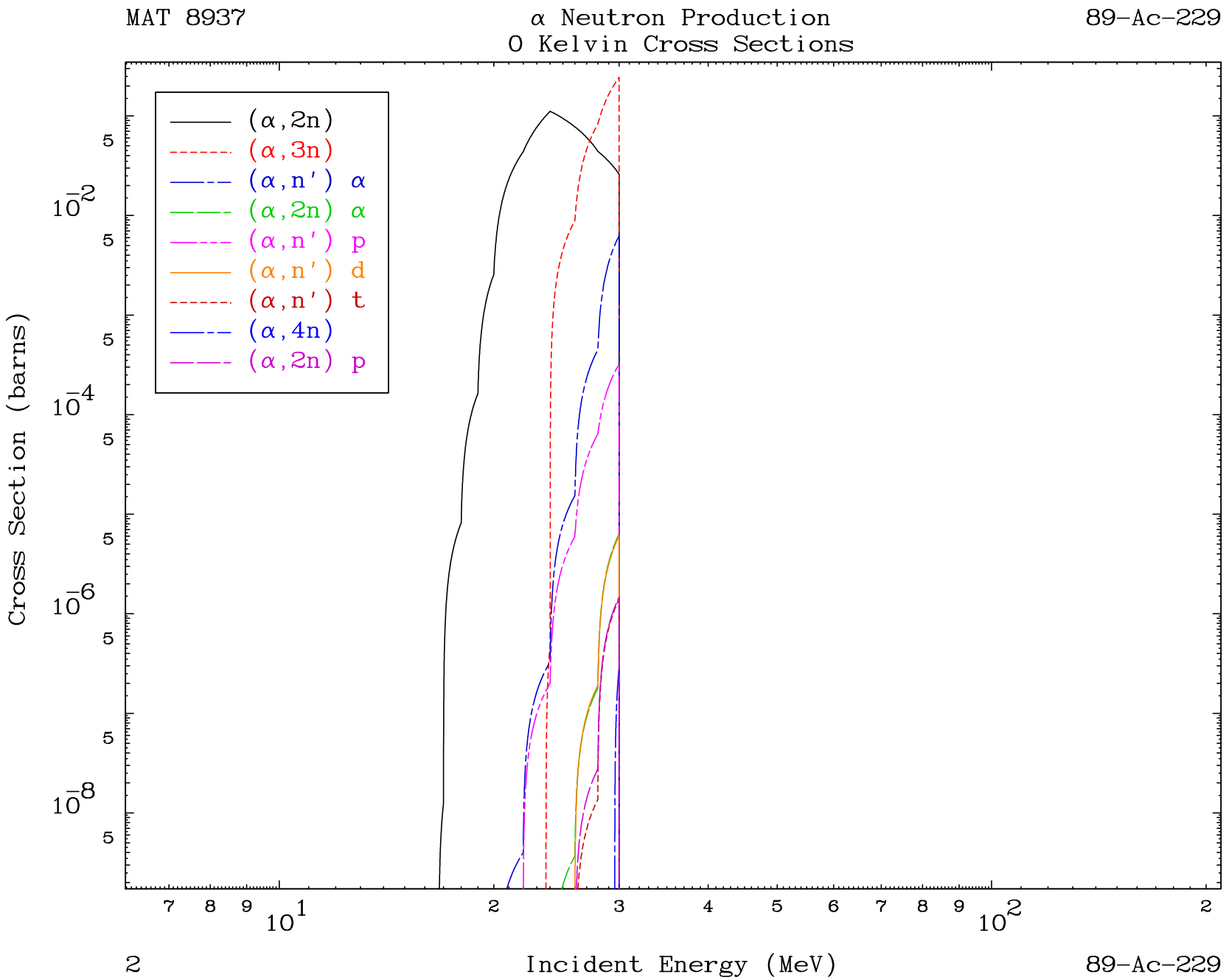
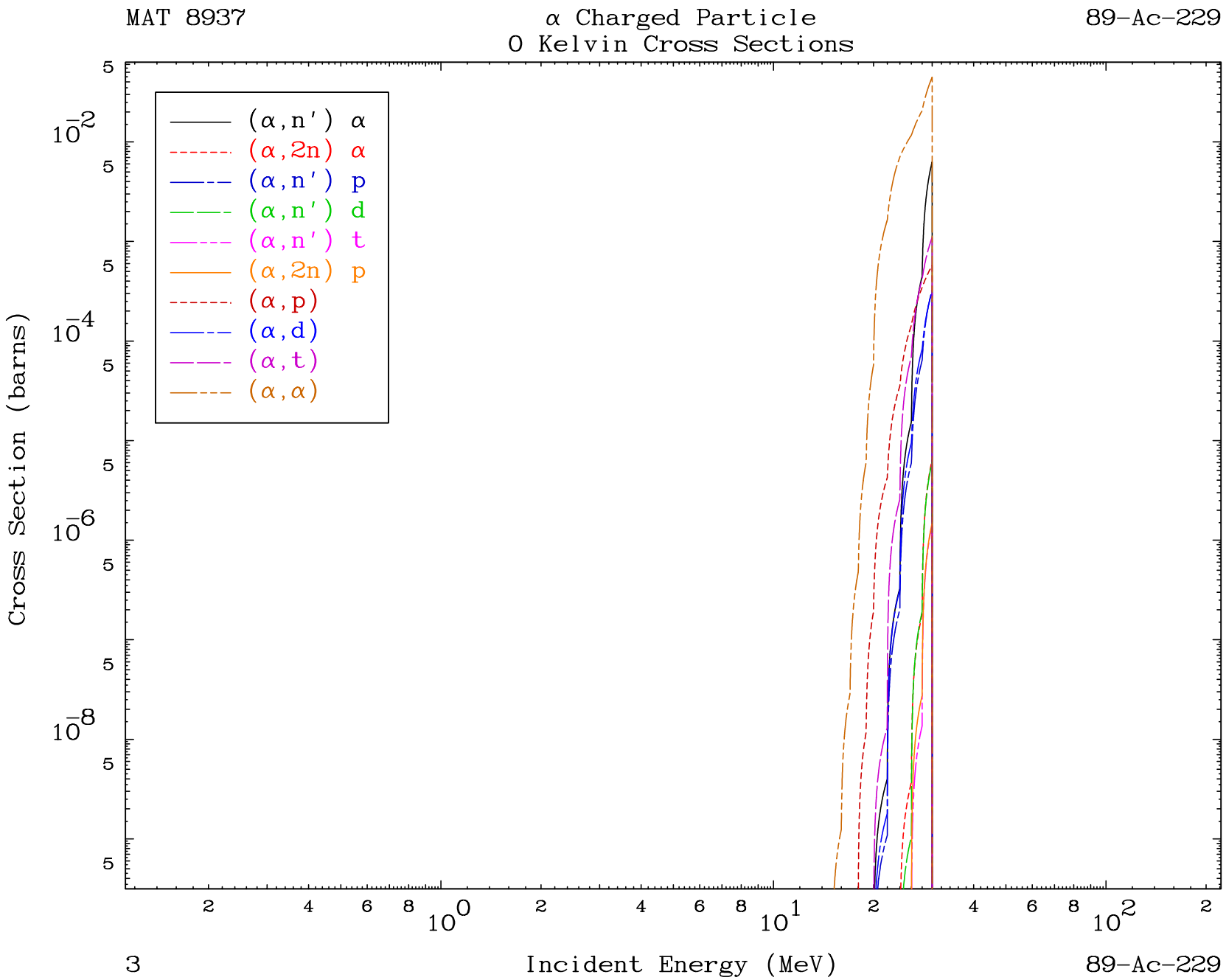
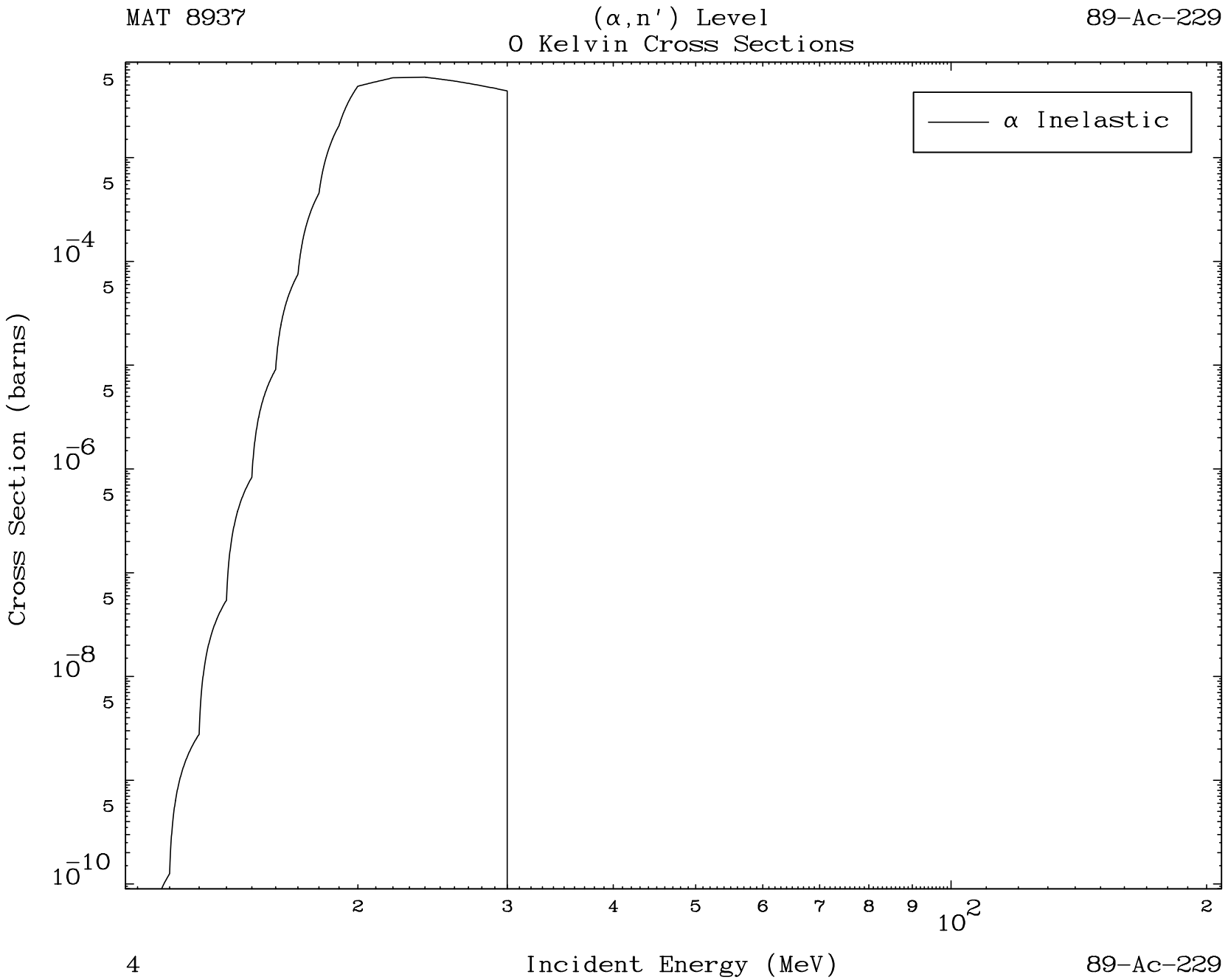
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

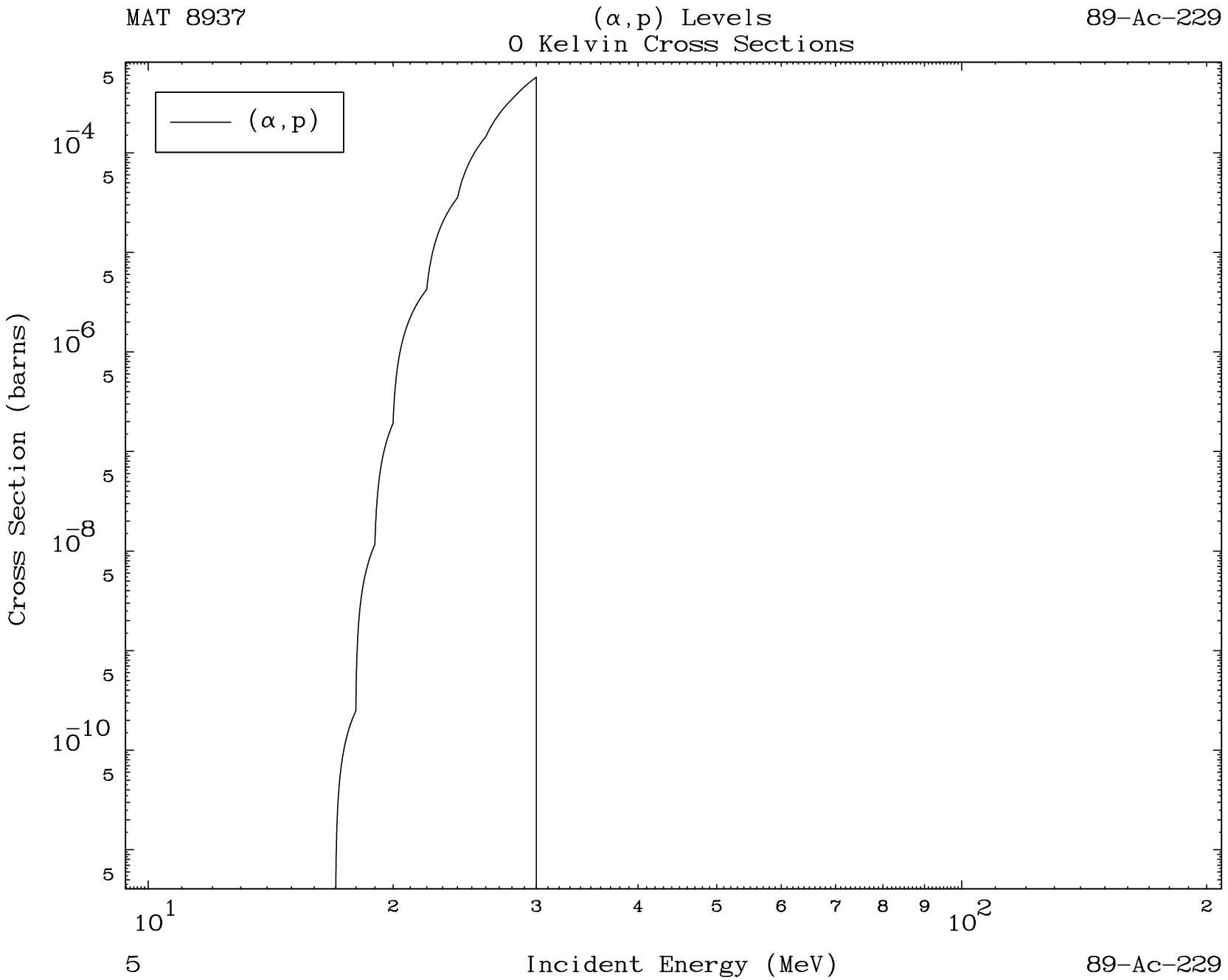
Press Mouse Button to Start

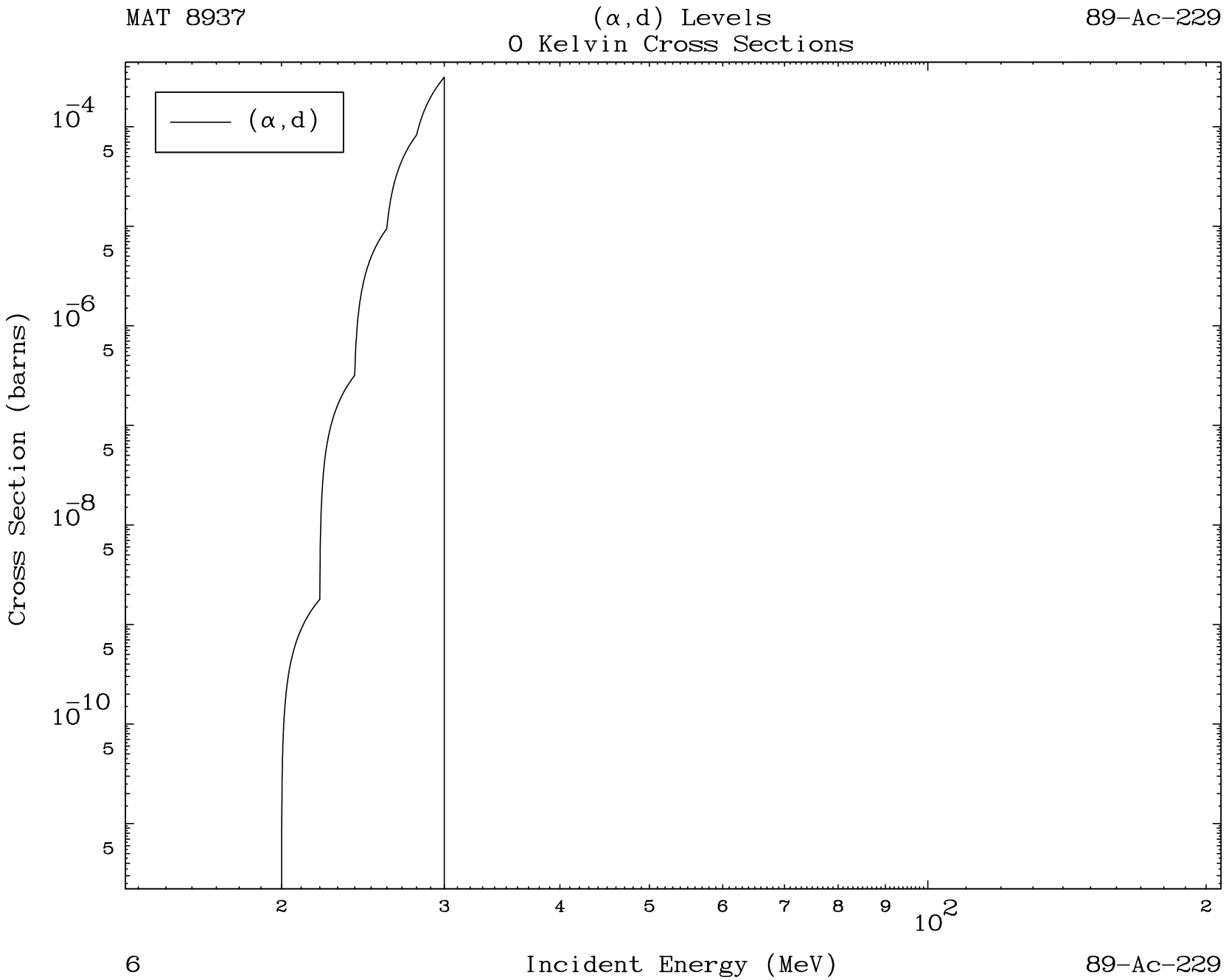

MAT 8937
α Major
89-Ac-229
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
89-Ac-229
1

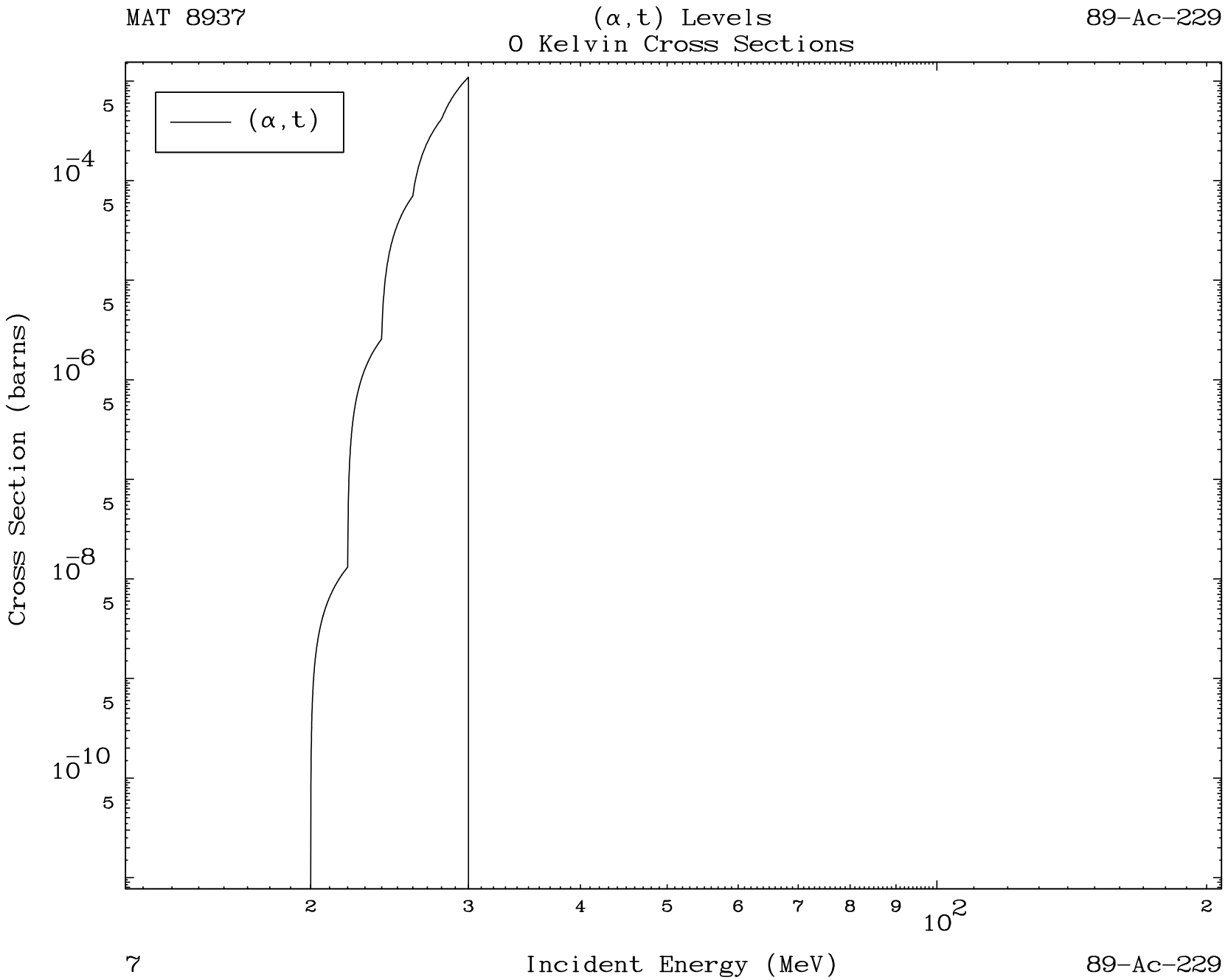

MAT 8937
α Neutron Production
0 Kelvin Cross Sections
89-Ac-229
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
89-Ac-229
2

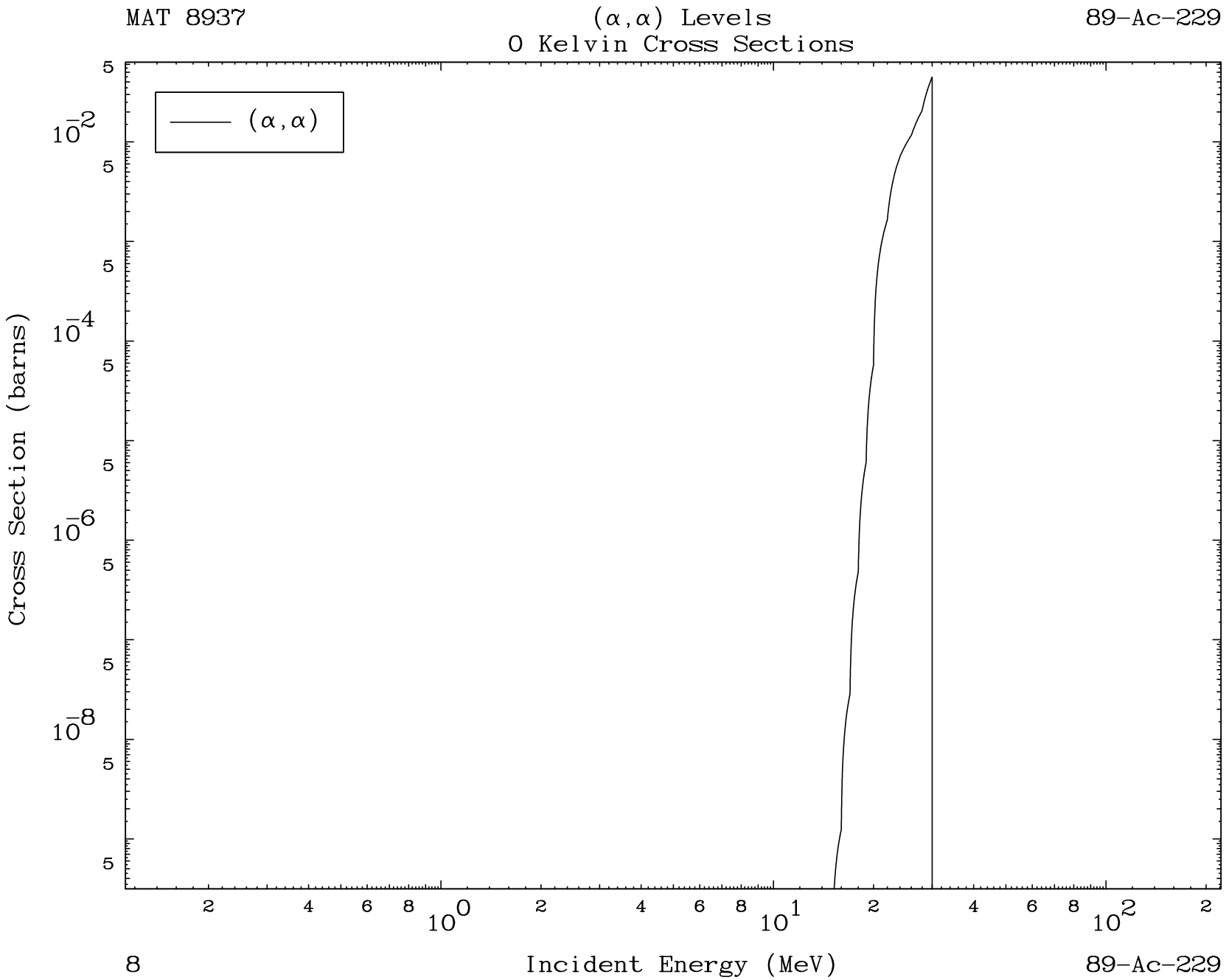

MAT 8937
α Charged Particle
0 Kelvin Cross Sections
89-Ac-229
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
(α,d)
(α,t)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
3
89-Ac-229

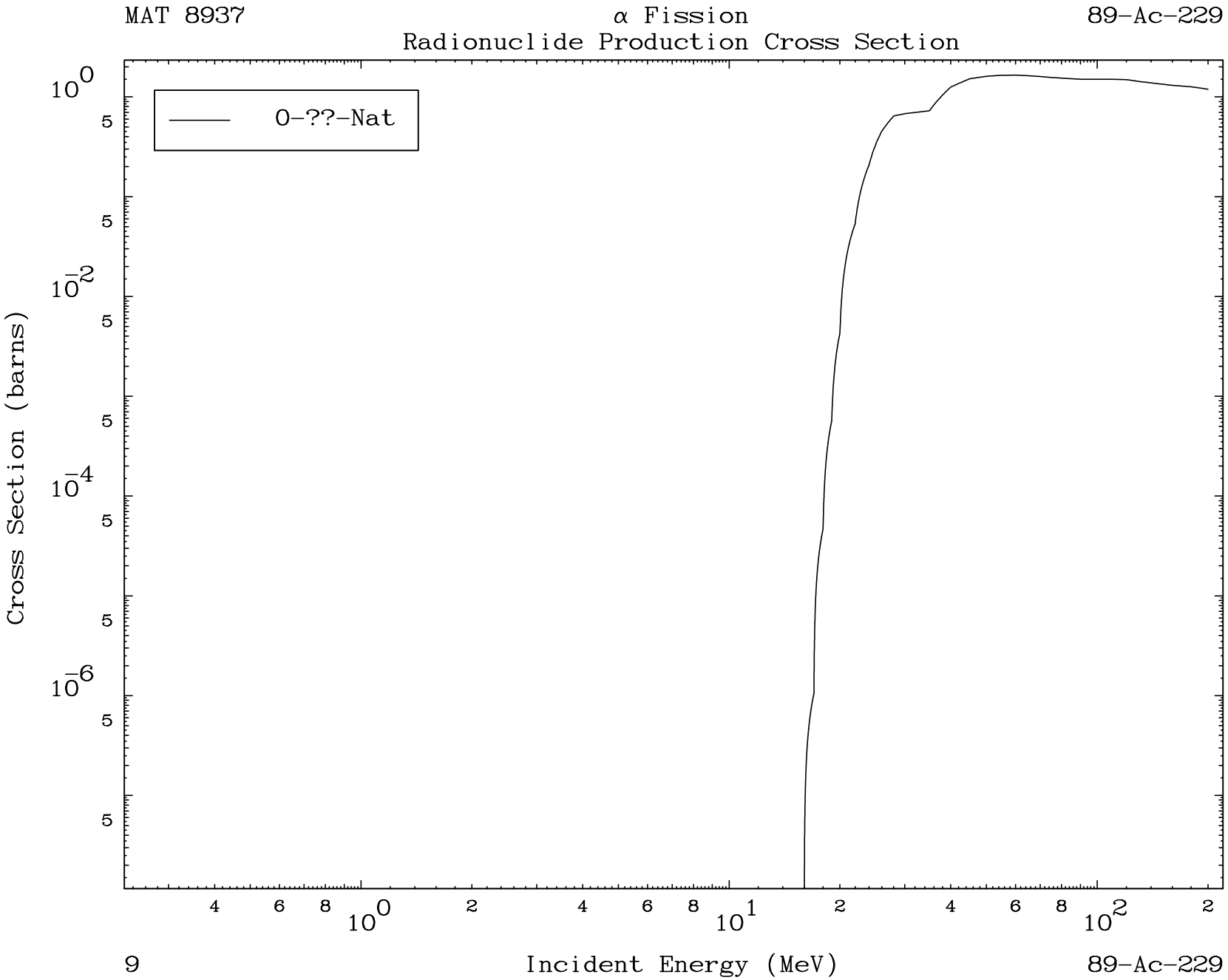

MAT 8937
(α,n') Level
89-Ac-229
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
4
89-Ac-229


MAT 8937
(α,p) Levels
89-Ac-229
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
89-Ac-229


MAT 8937
(α,d) Levels
89-Ac-229
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
2
6
89-Ac-229


MAT 8937
(α,t) Levels
89-Ac-229
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
89-Ac-229


MAT 8937
(α,α) Levels
89-Ac-229
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
8
89-Ac-229


MAT 8937
α Fission
89-Ac-229
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
89-Ac-229