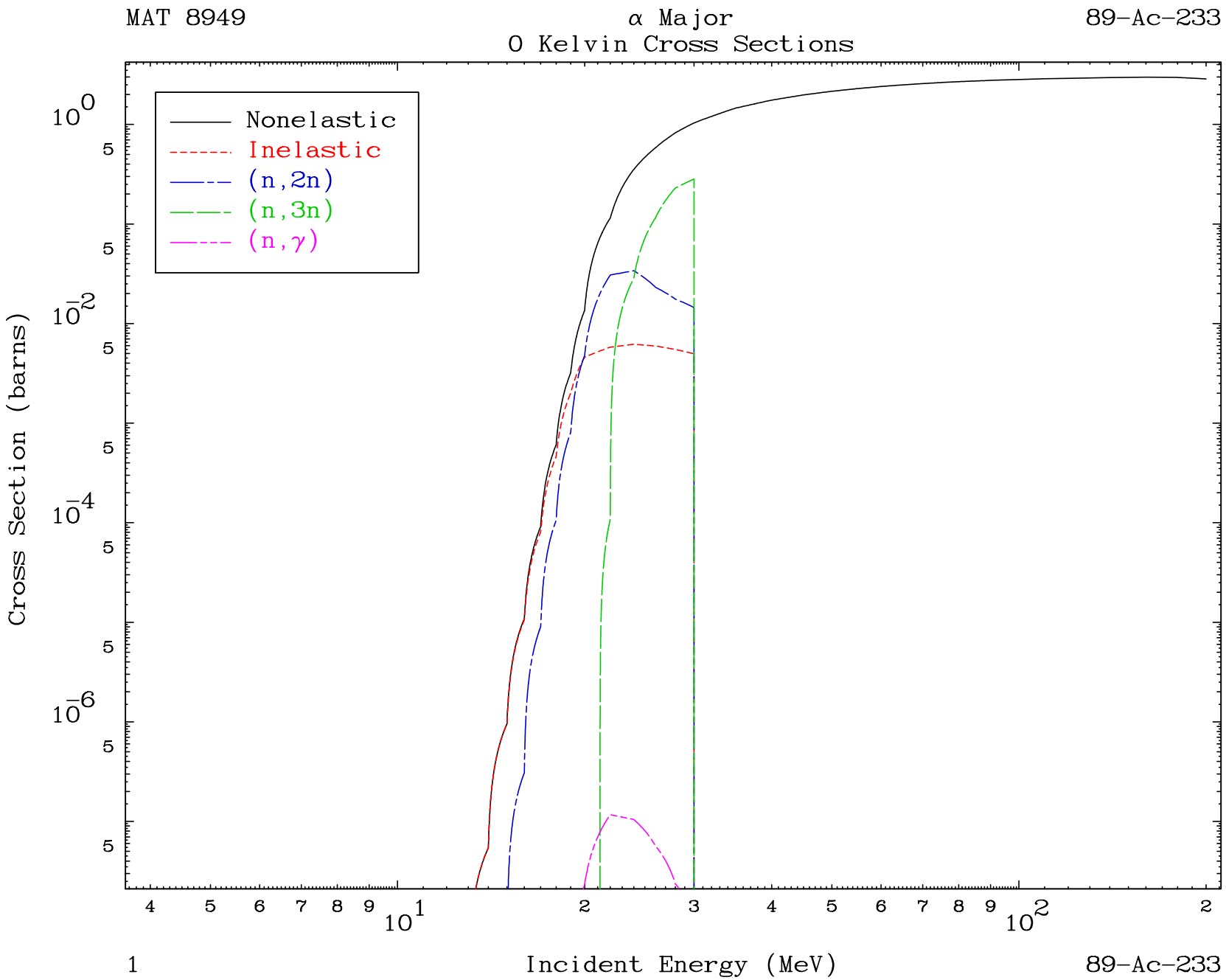
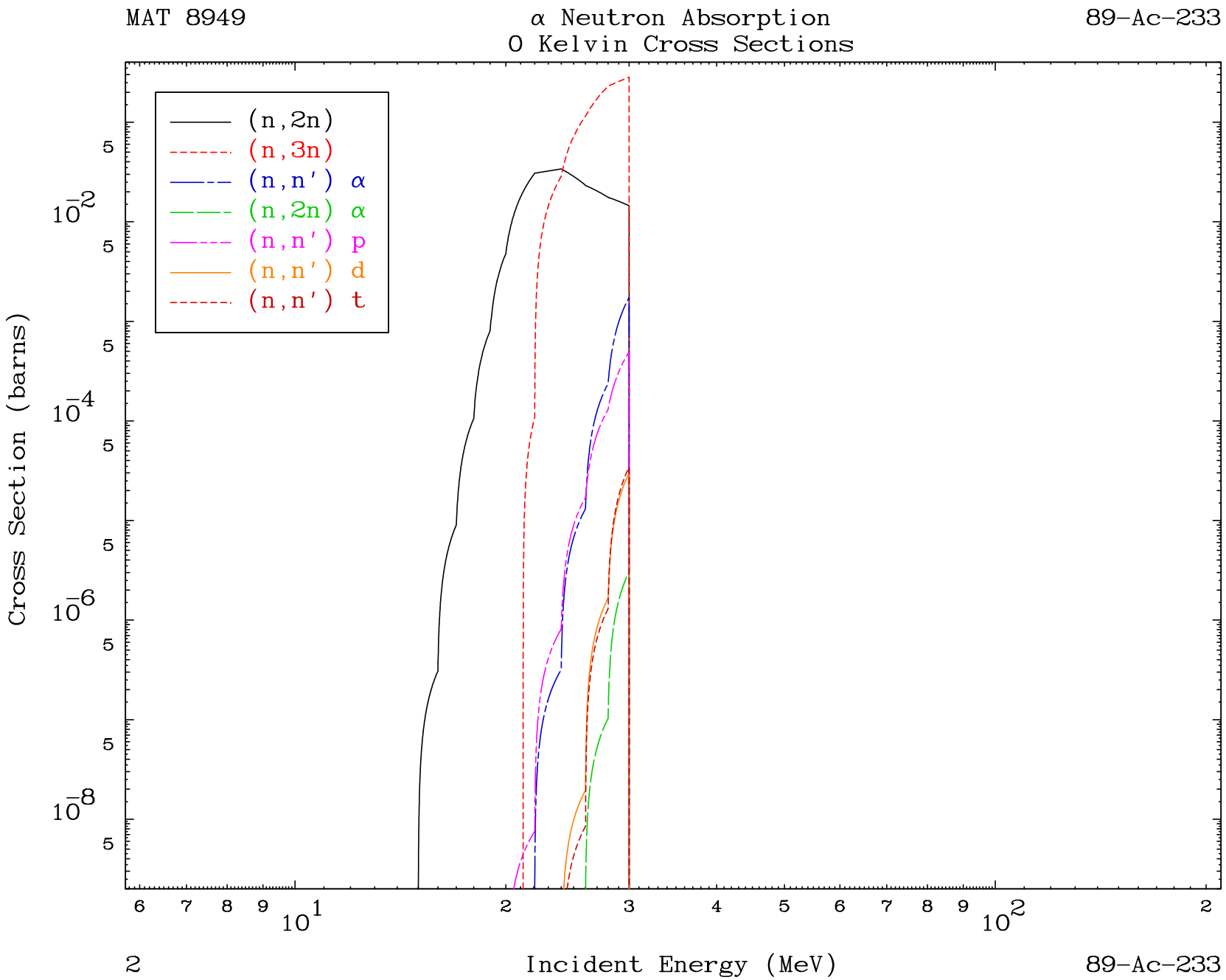
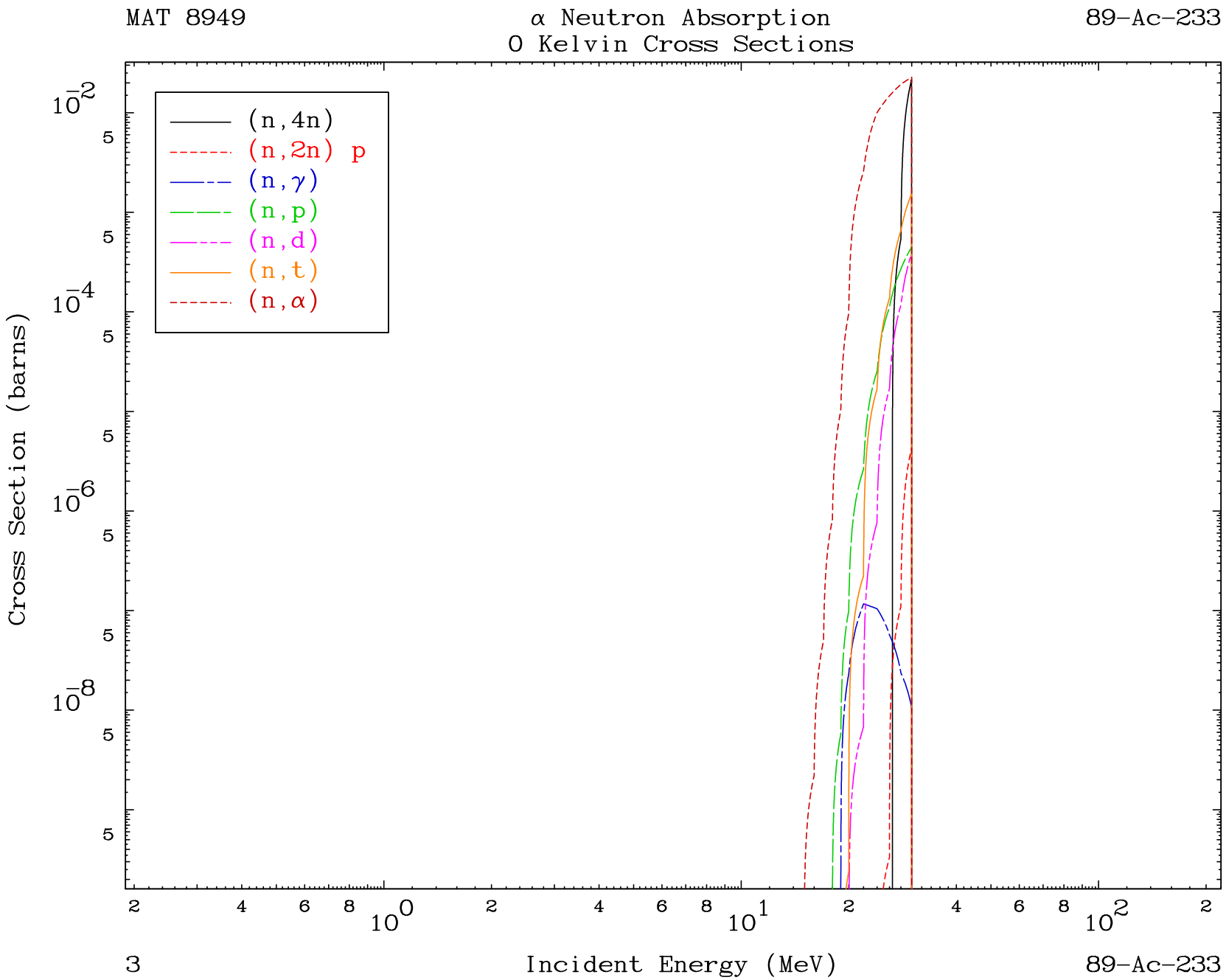
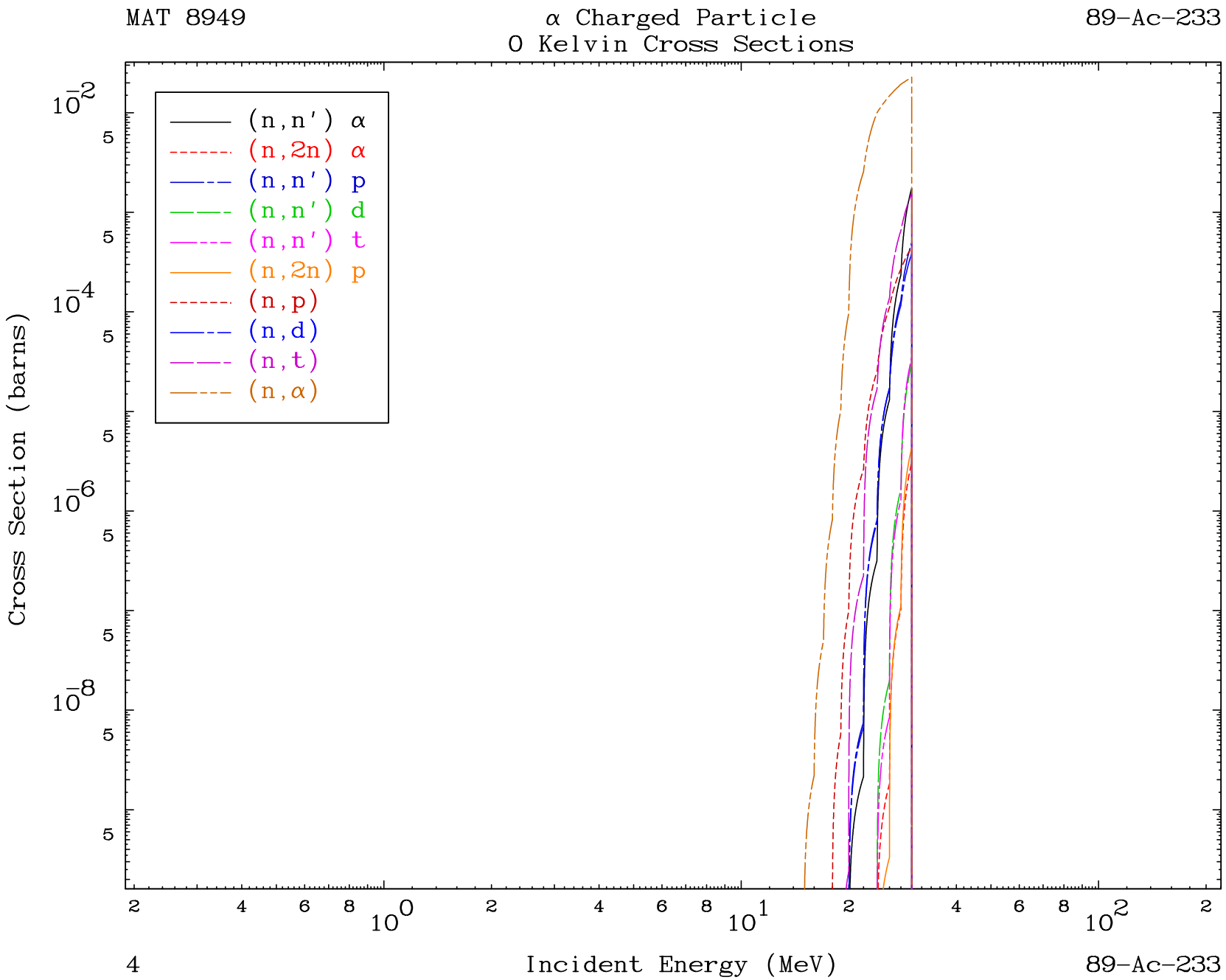
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

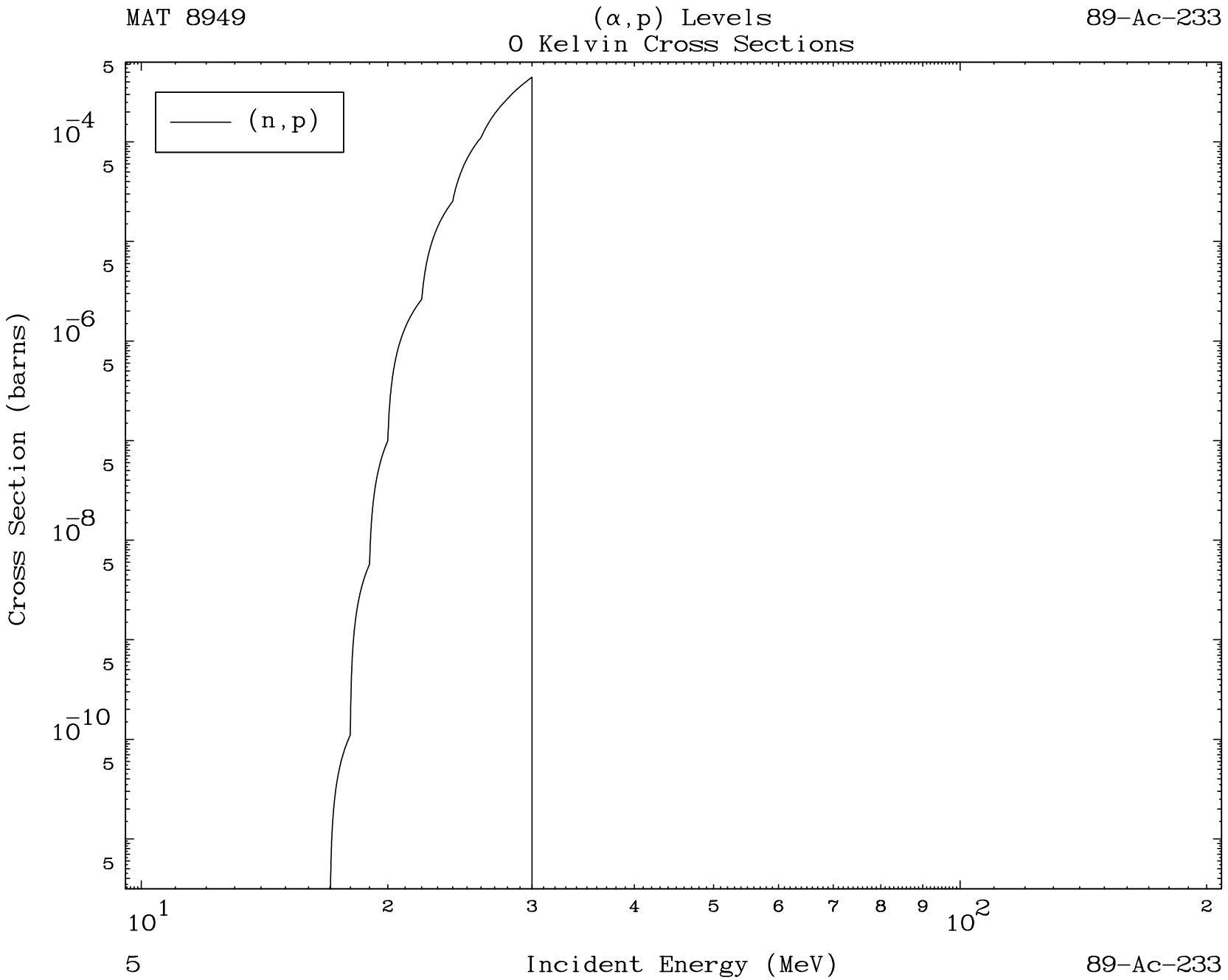
Press Mouse Button to Start

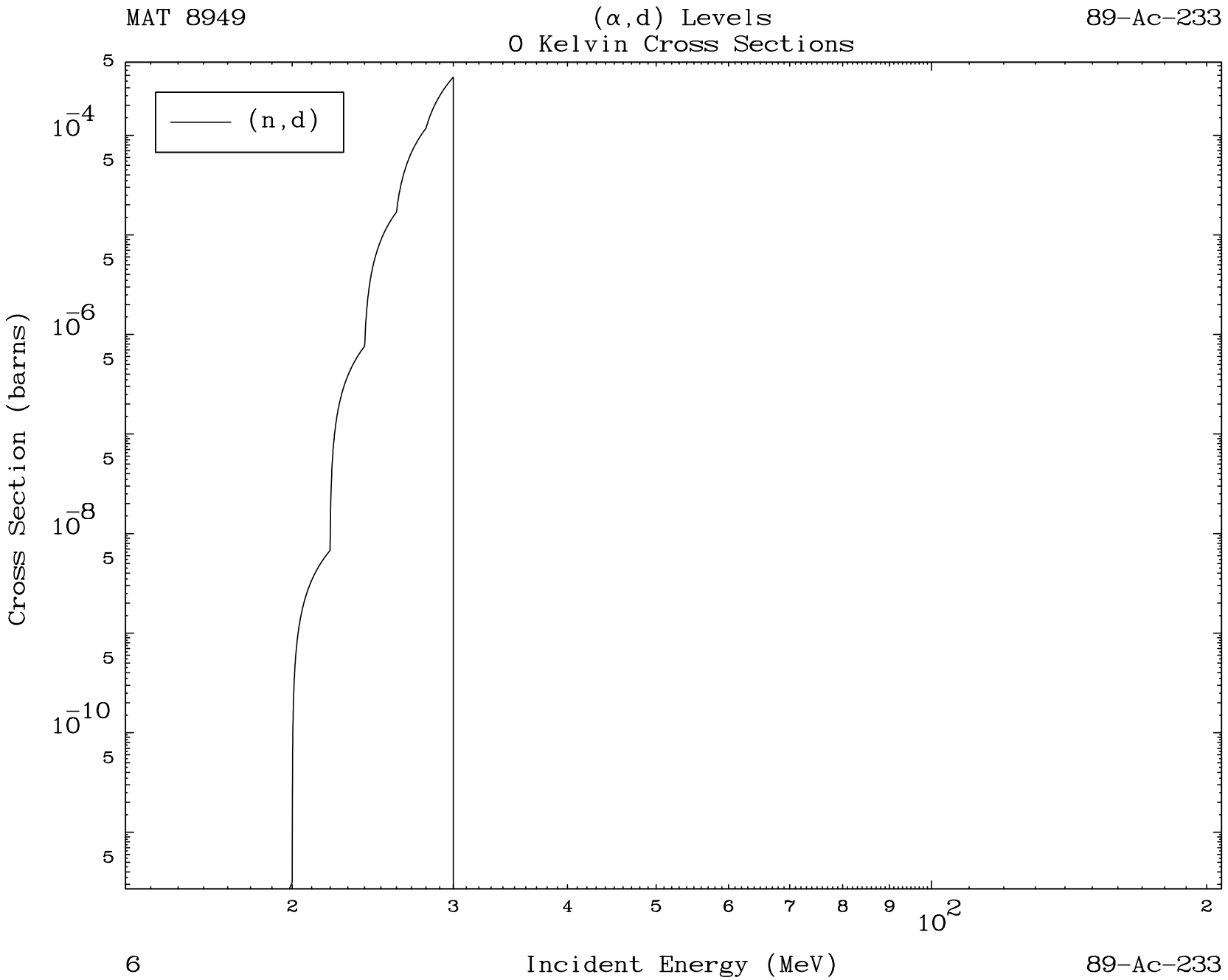

MAT 8949
α Major
89-Ac-233
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
89-Ac-233

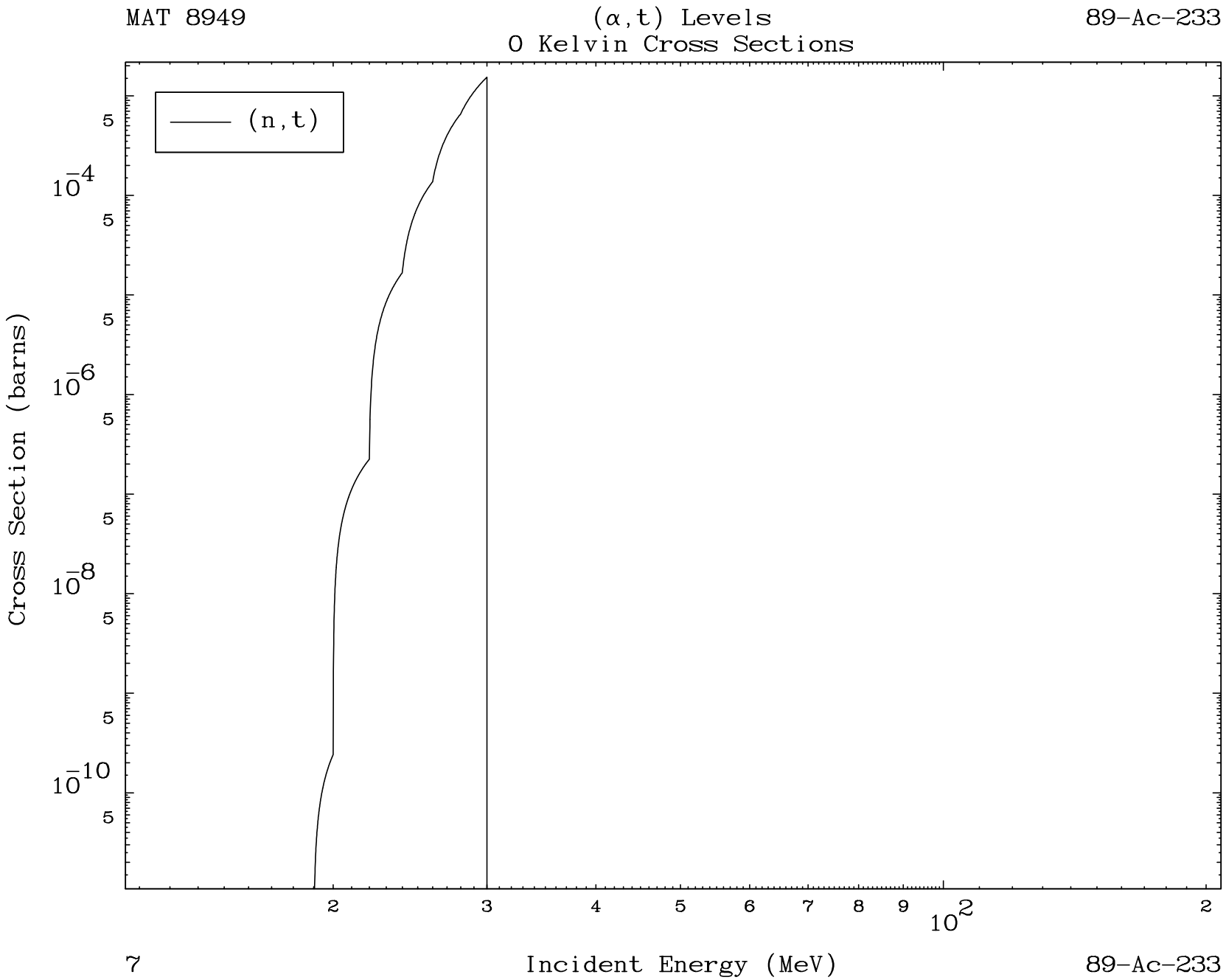

MAT 8949
α Neutron Absorption
0 Kelvin Cross Sections
89-Ac-233
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
2
89-Ac-233

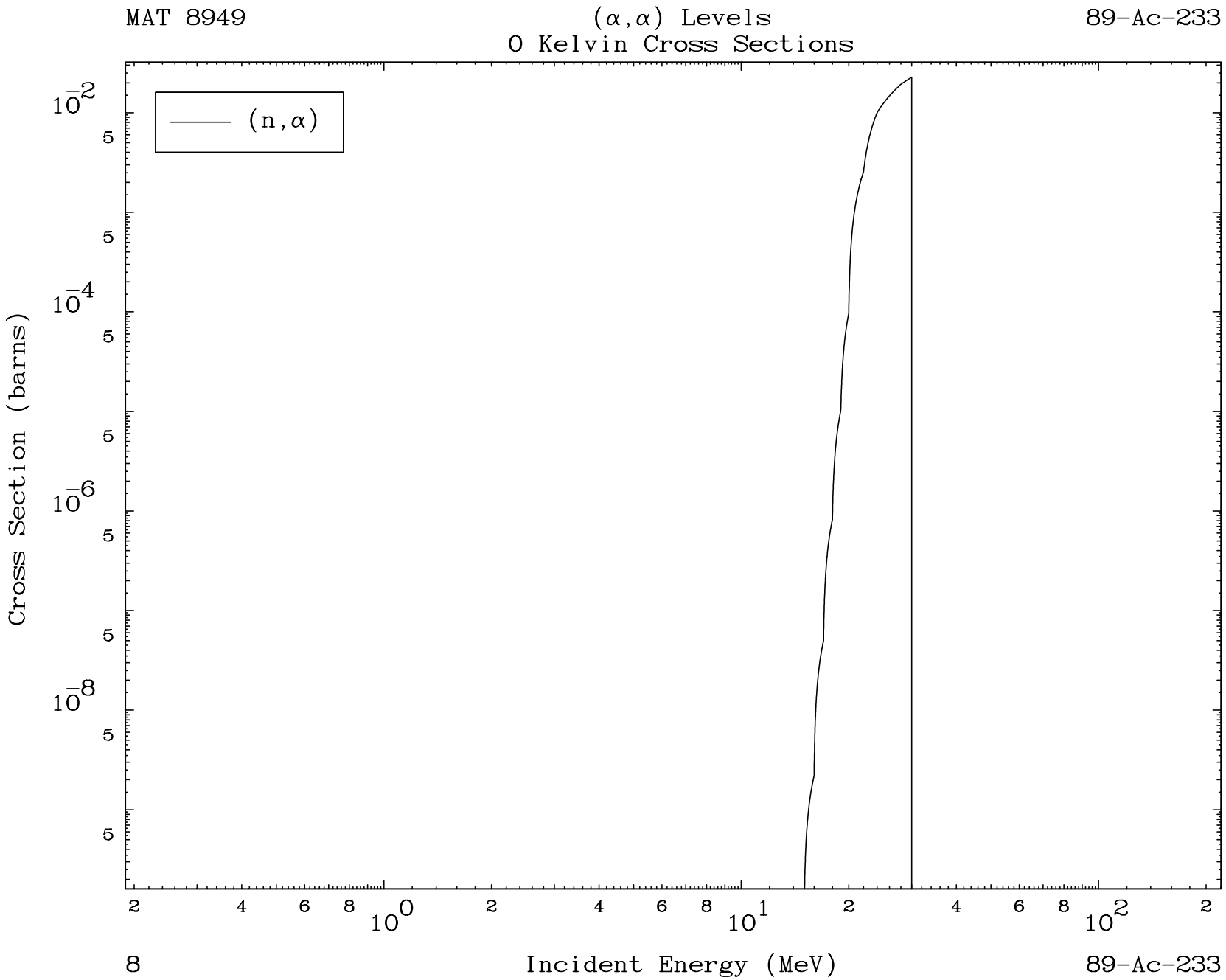

MAT 8949
α Neutron Absorption
0 Kelvin Cross Sections
89-Ac-233
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
89-Ac-233

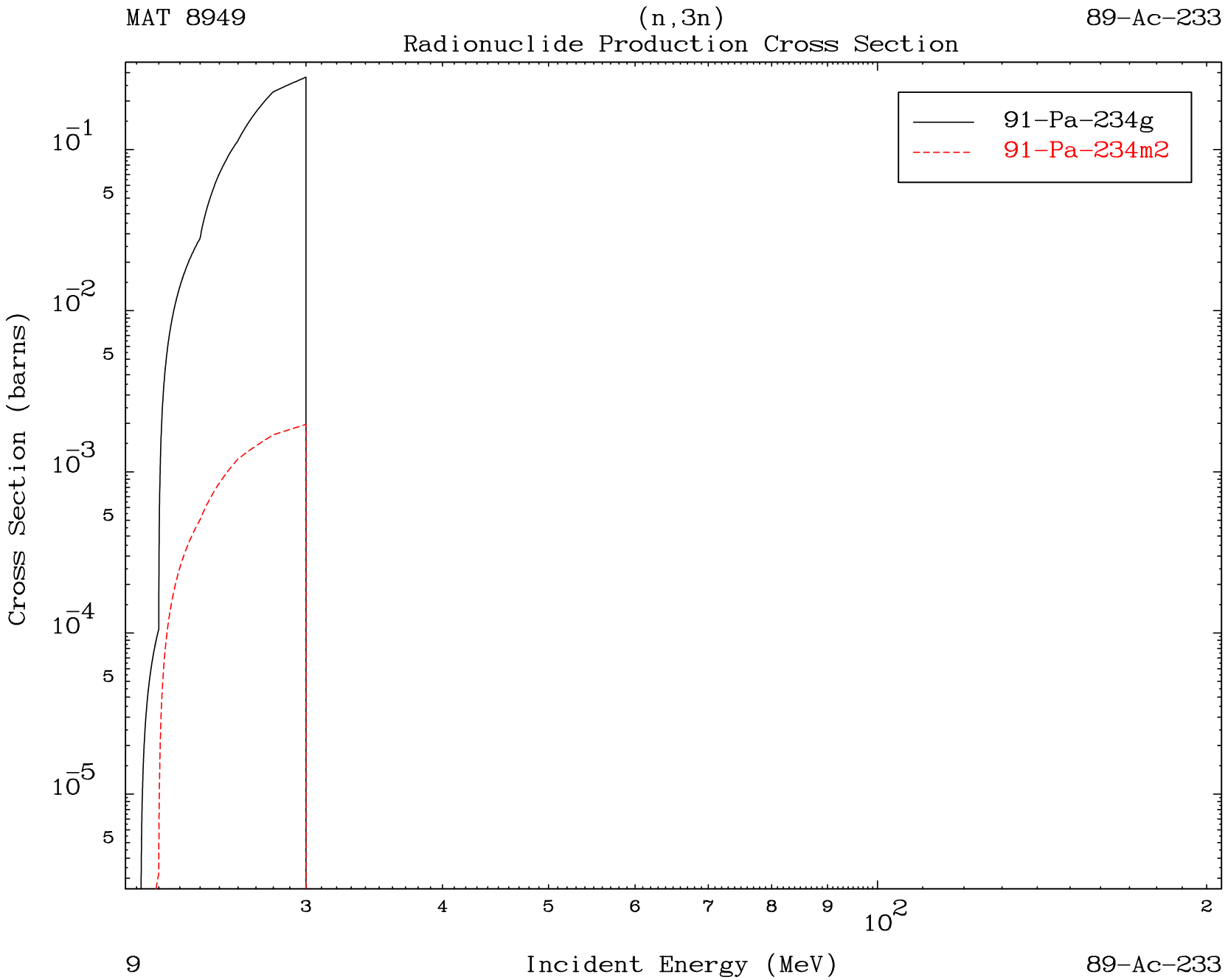

MAT 8949
α Charged Particle
0 Kelvin Cross Sections
89-Ac-233
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
89-Ac-233

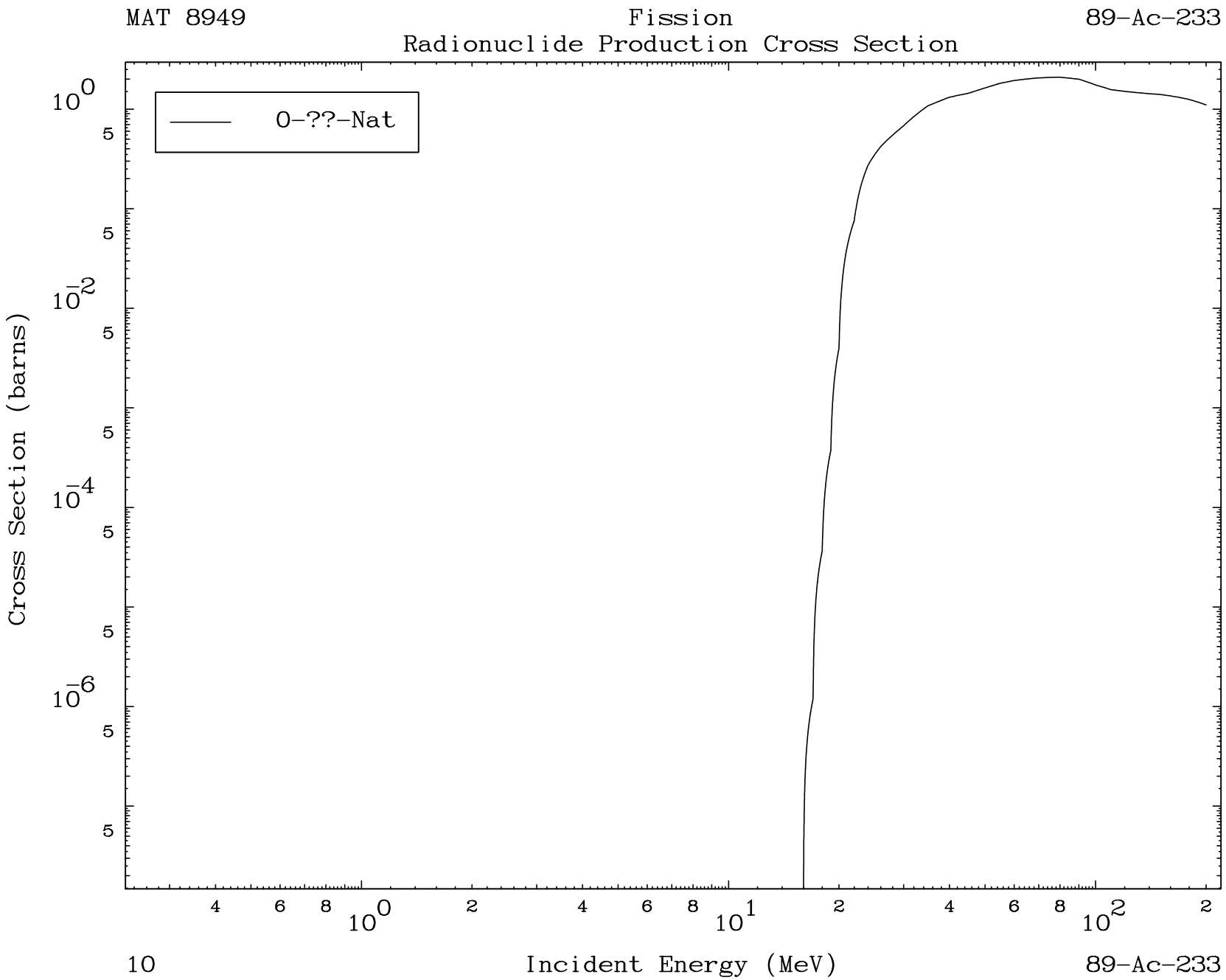

MAT 8949
(α,p) Levels
89-Ac-233
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
89-Ac-233


MAT 8949
(α,d) Levels
89-Ac-233
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
6
89-Ac-233


MAT 8949
(α,t) Levels
89-Ac-233
0 Kelvin Cross Sections
(n,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-233


MAT 8949
(α,α) Levels
89-Ac-233
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
8
89-Ac-233


MAT 8949
(n,3n)
89-Ac-233
Radionuclide Production Cross Section
91-Pa-234g
91-Pa-234m2
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
89-Ac-233


MAT 8949
Fission
89-Ac-233
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
89-Ac-233