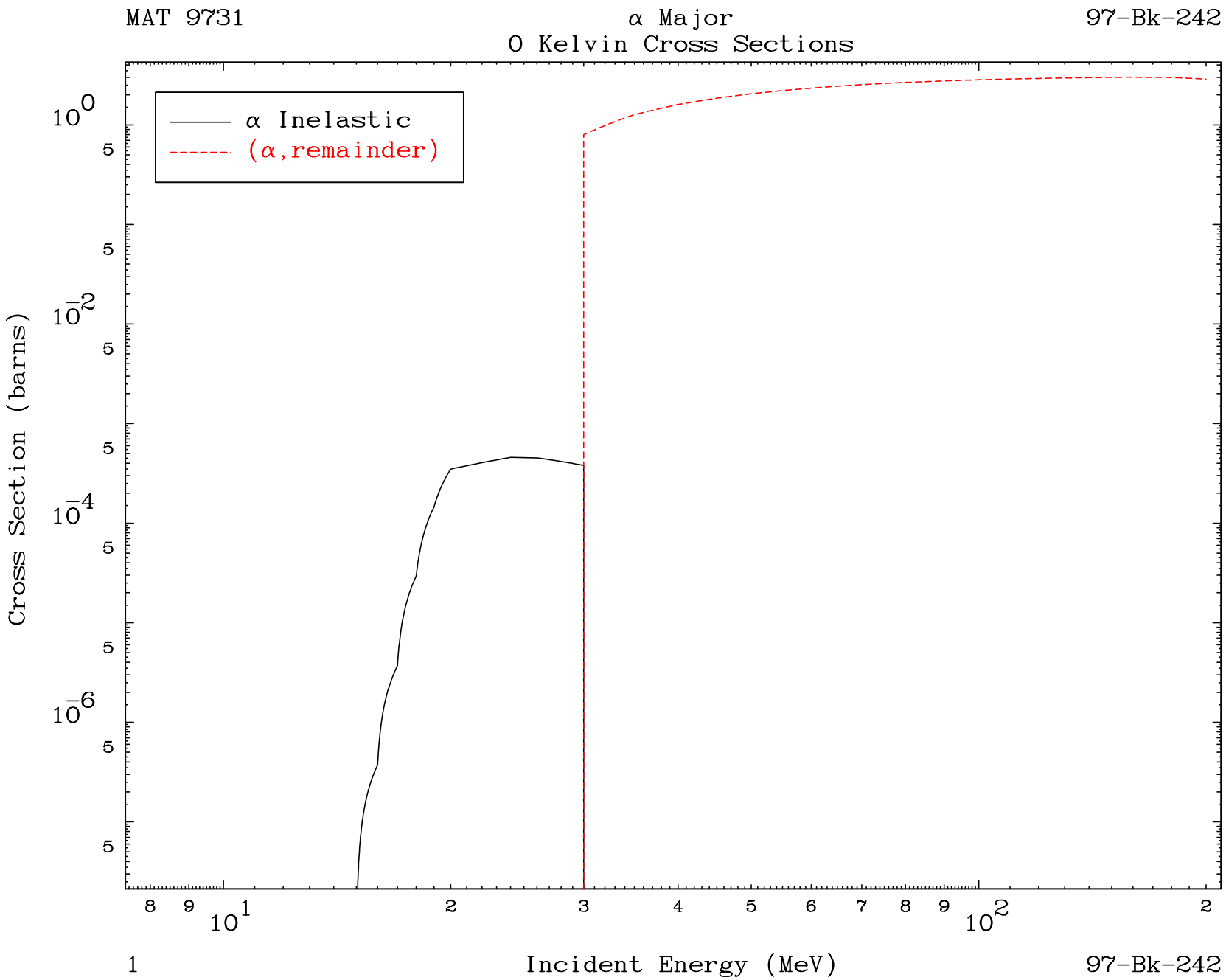
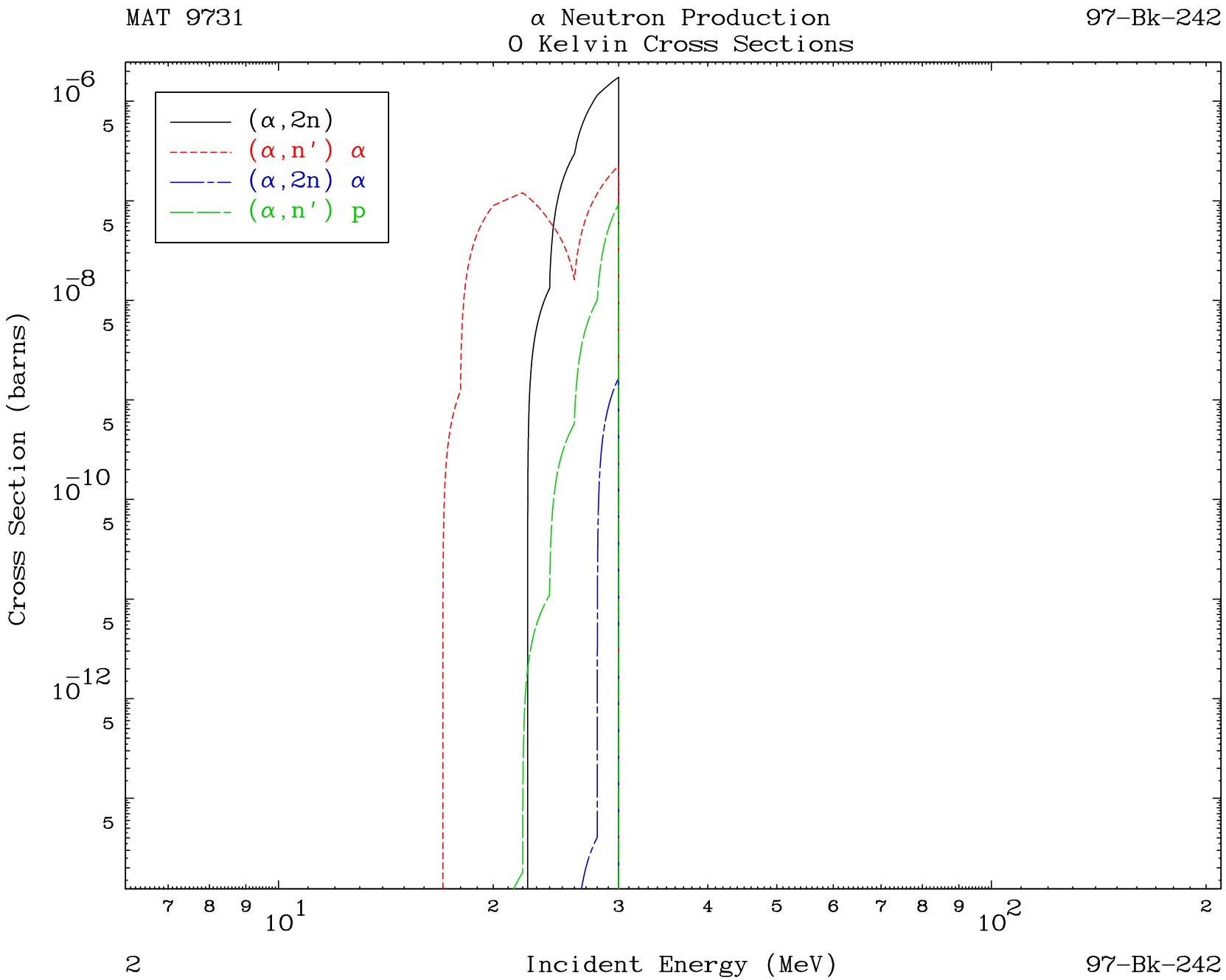
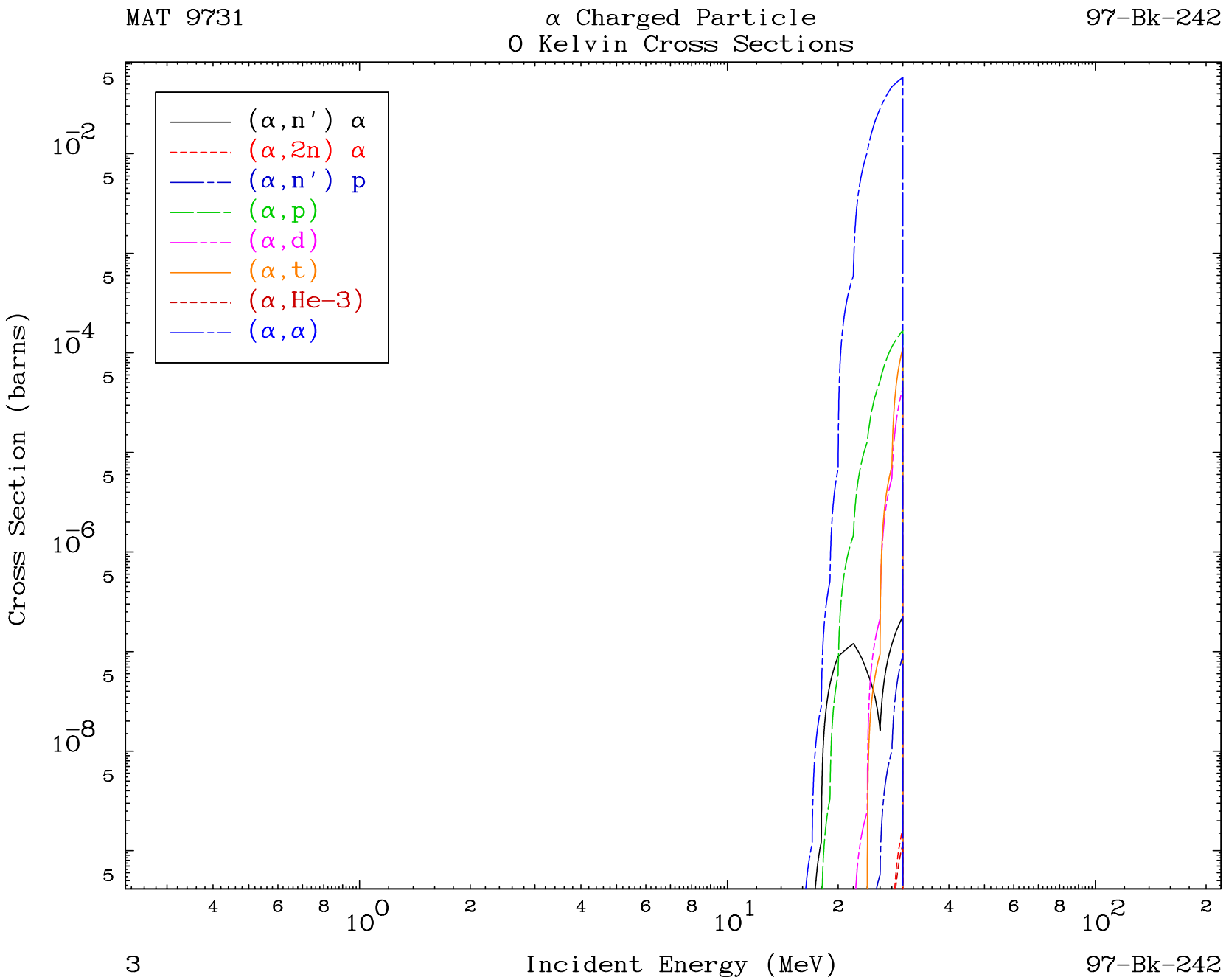
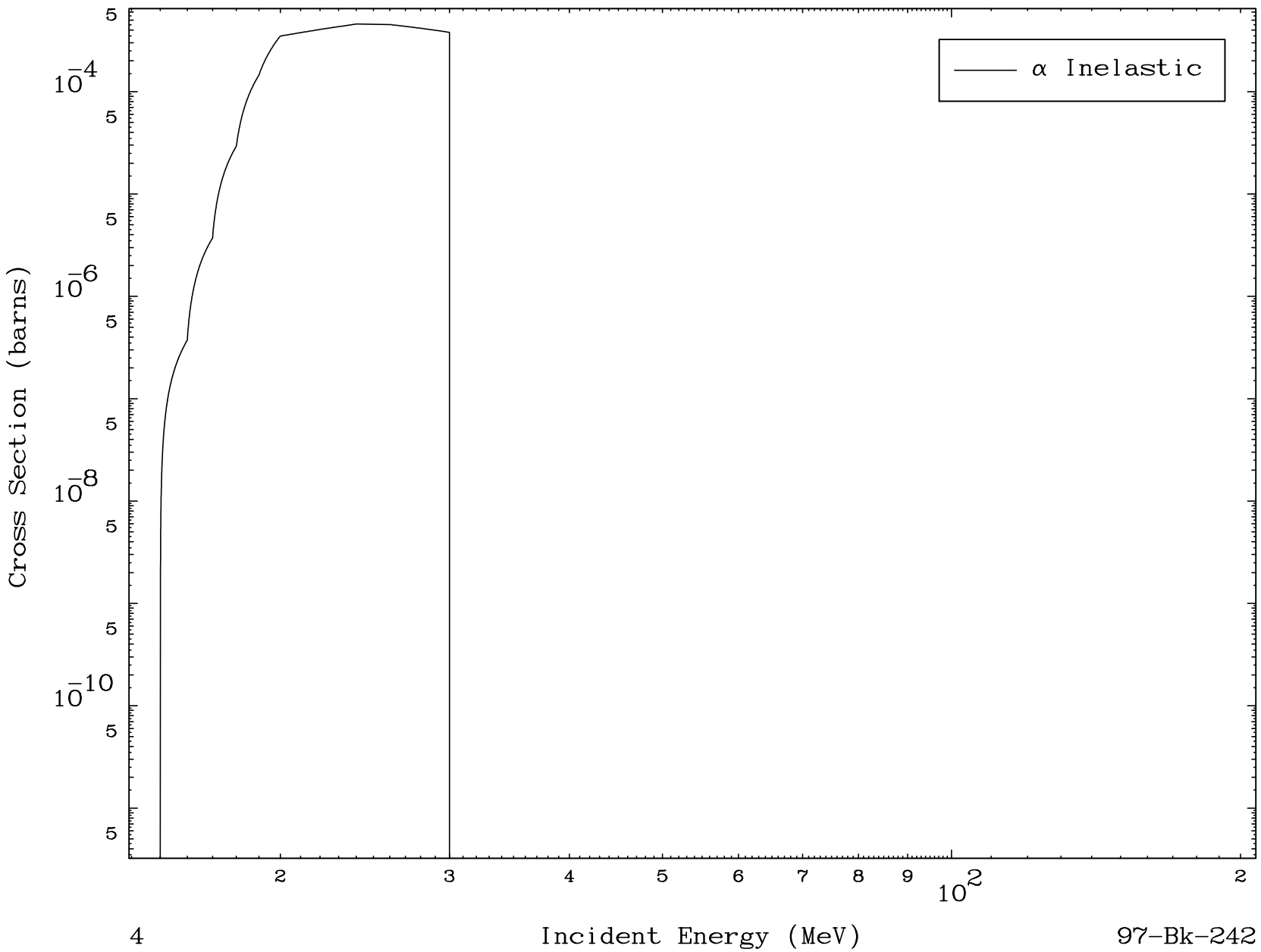
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

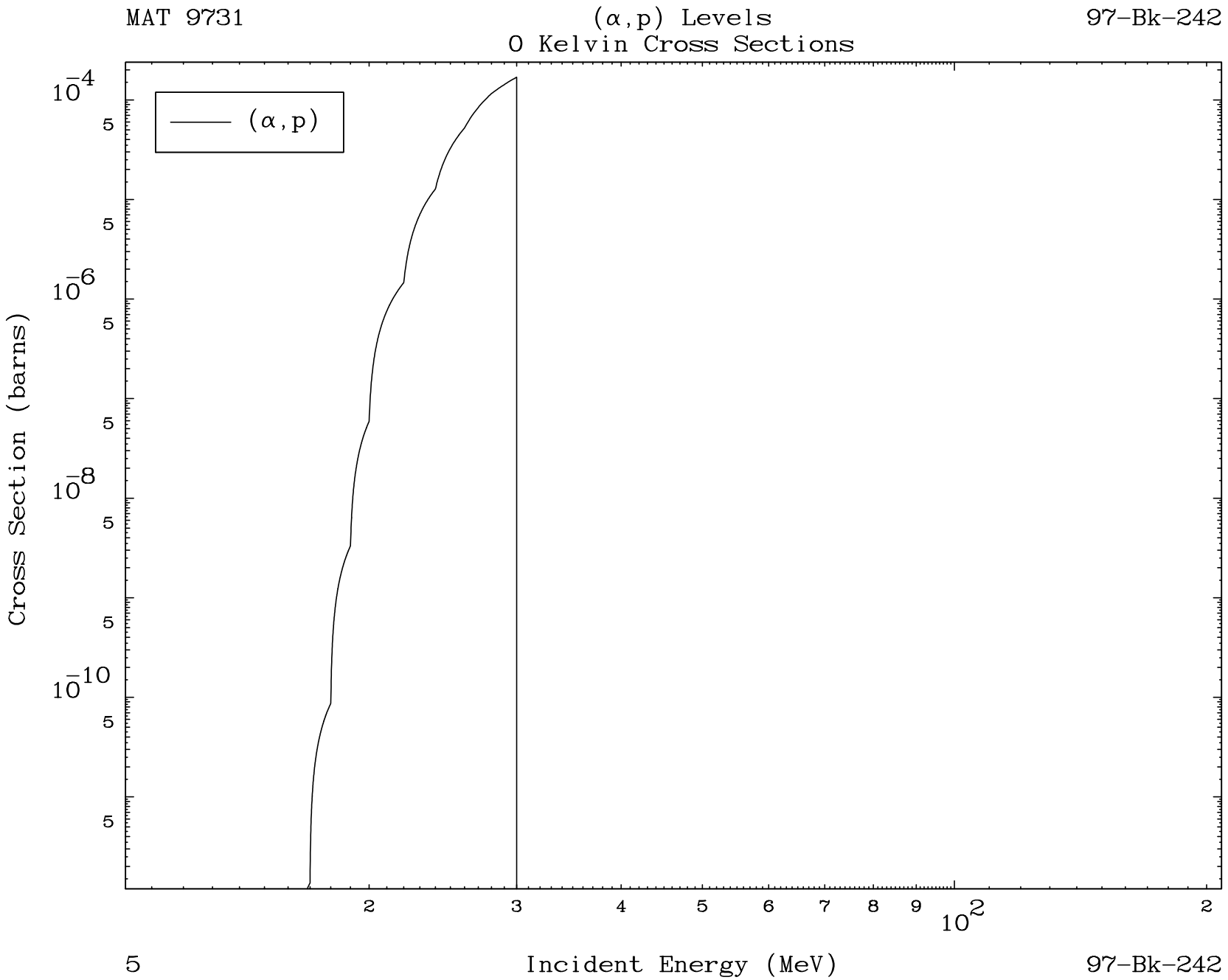
Press Mouse Button to Start

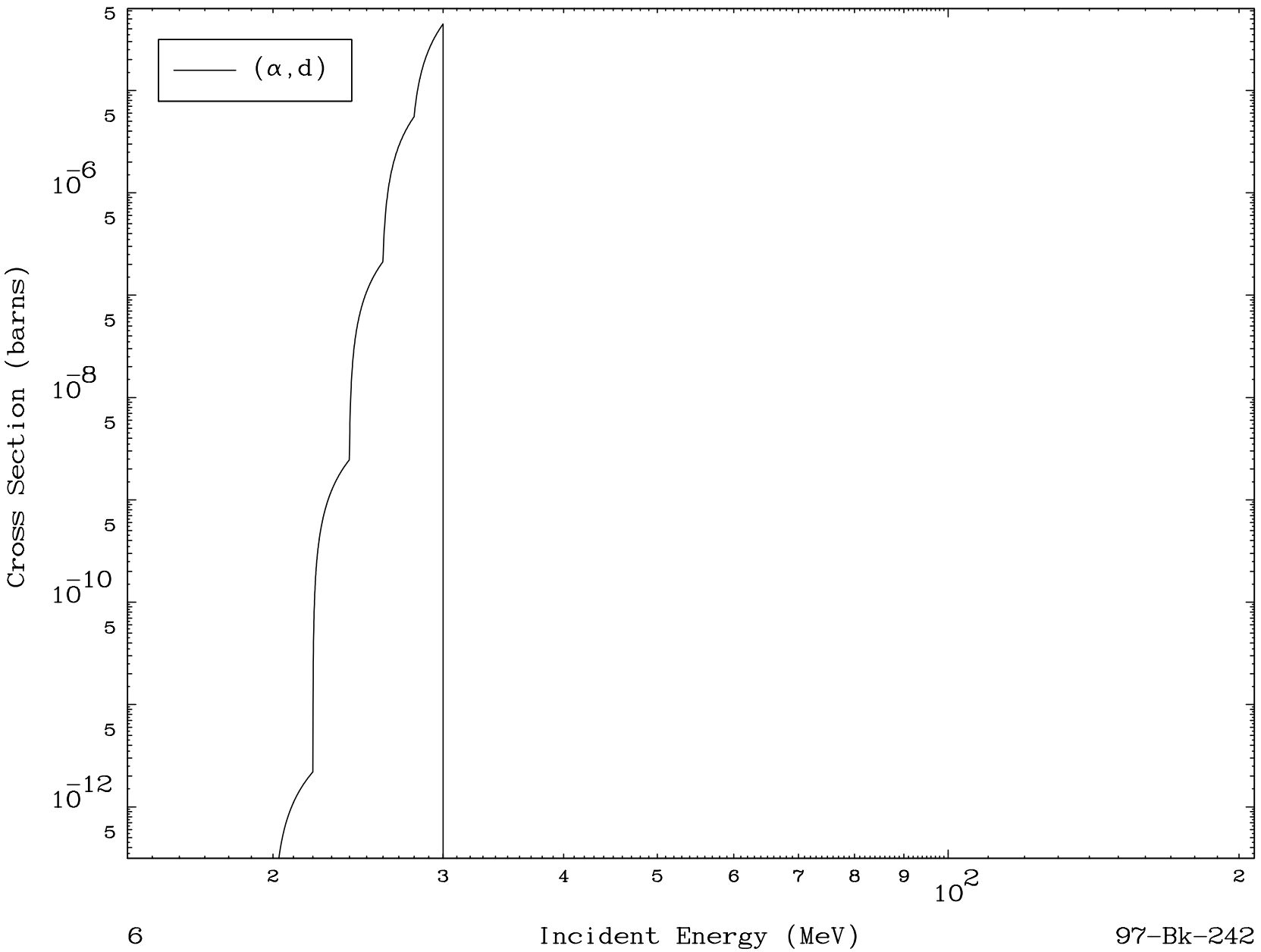

MAT 9731
α Major
97-Bk-242
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
1
Incident Energy (MeV)
97-Bk-242

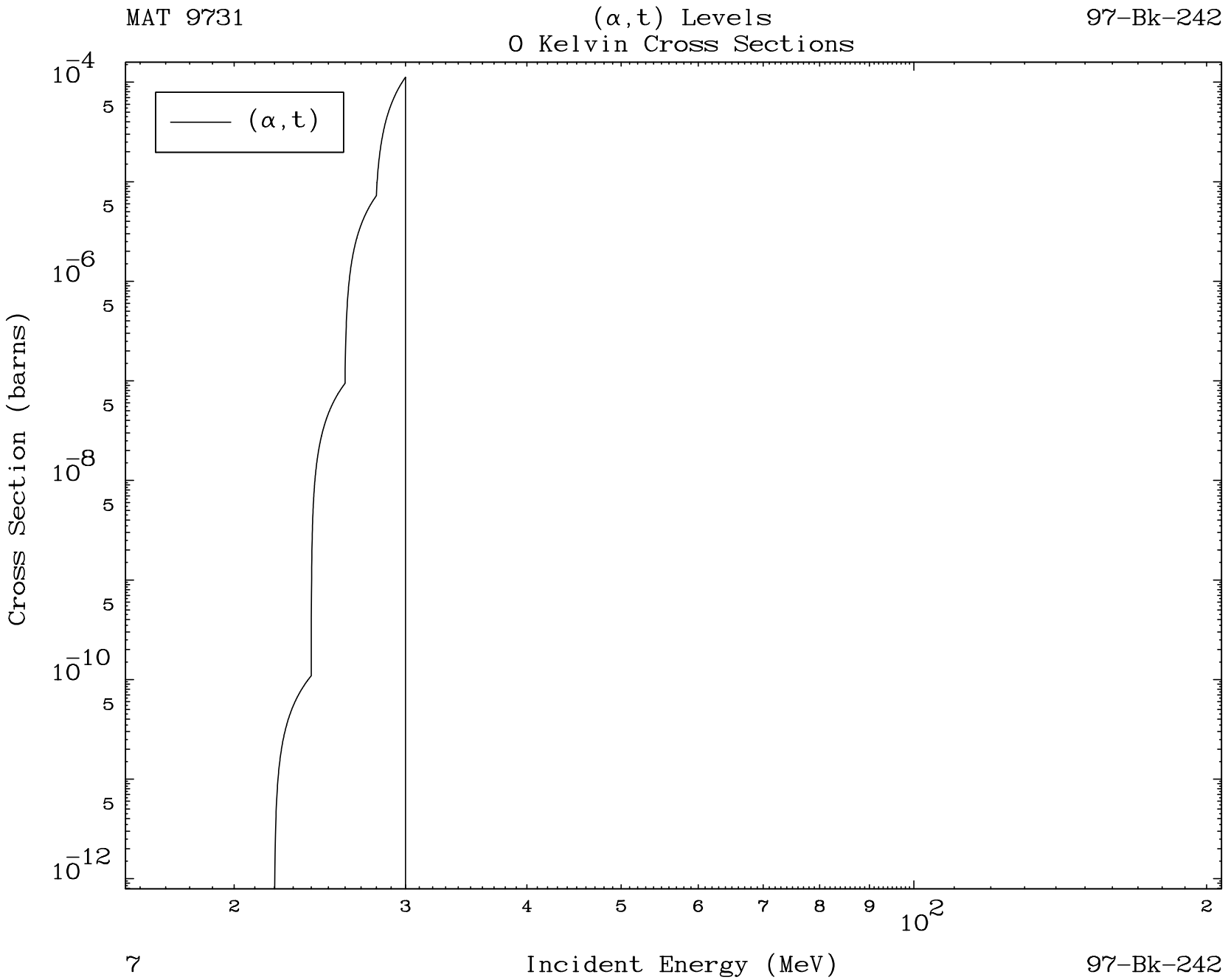

MAT 9731
α Neutron Production
0 Kelvin Cross Sections
97-Bk-242
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
Cross Section (barns)
Incident Energy (MeV)
97-Bk-242


MAT 9731
α Charged Particle
0 Kelvin Cross Sections
97-Bk-242
(α,n') α
(α,2n) α
(α,n') p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
3
97-Bk-242

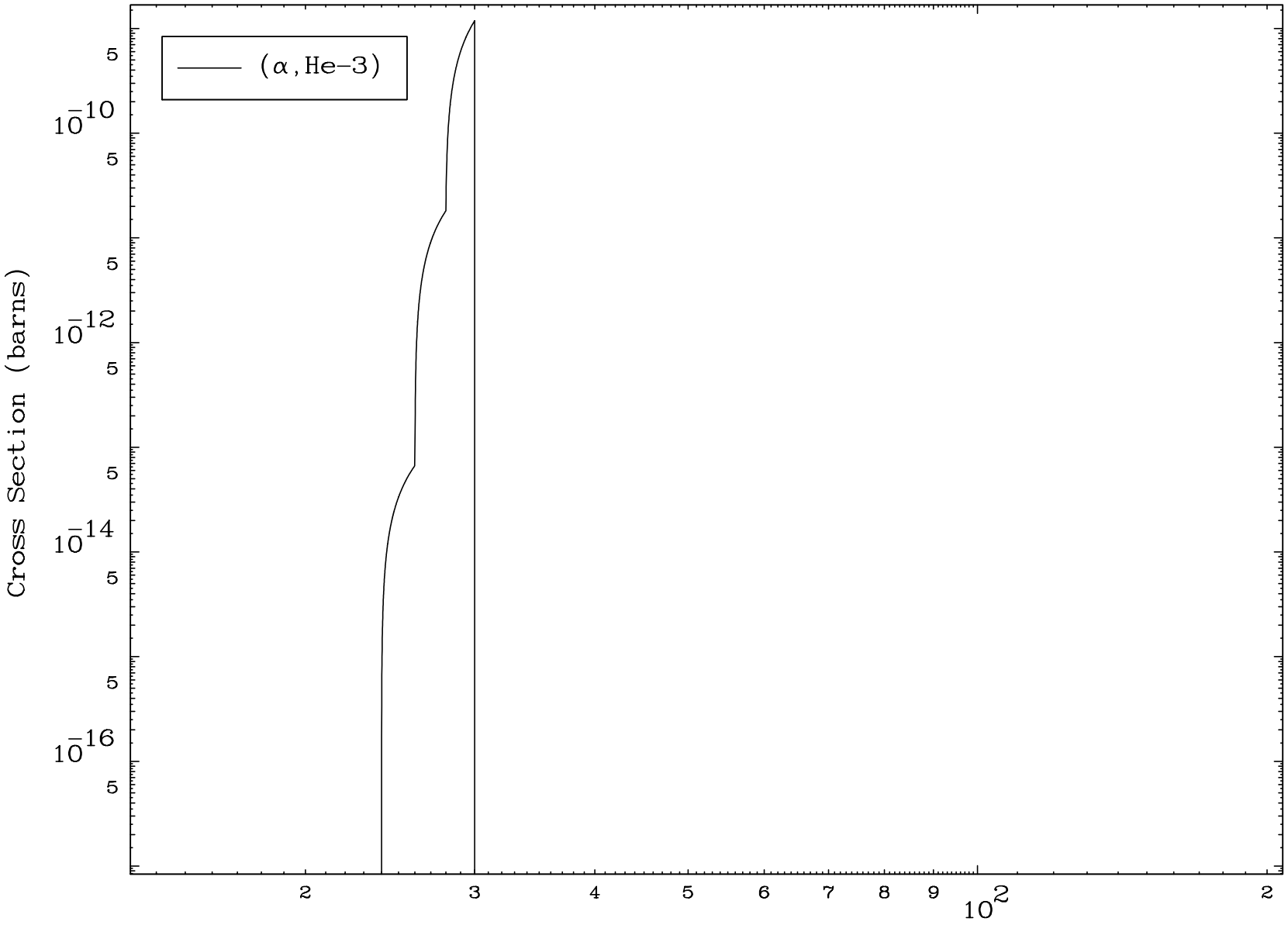

0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 9731
(α,p) Levels
97-Bk-242
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
97-Bk-242

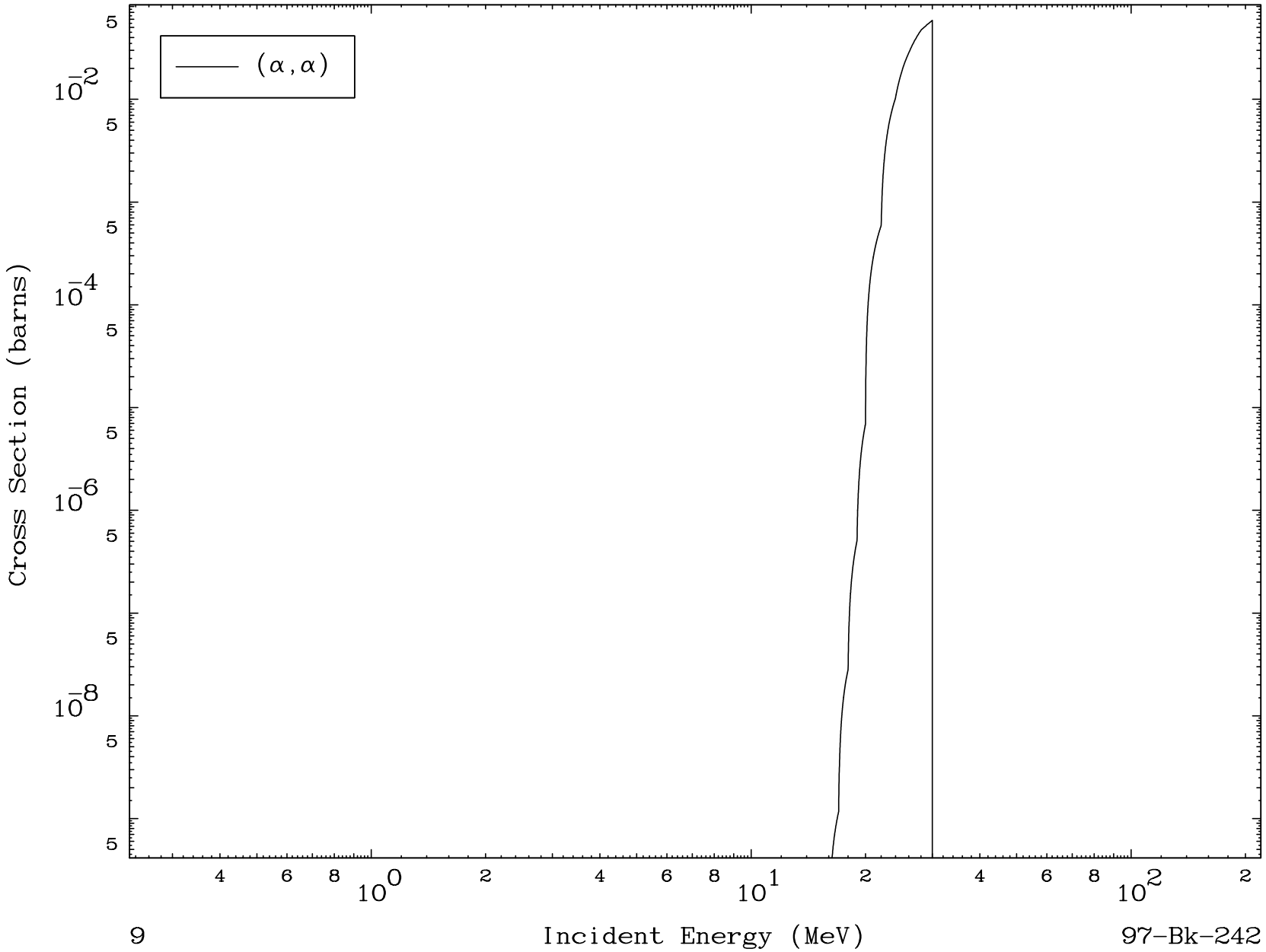

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

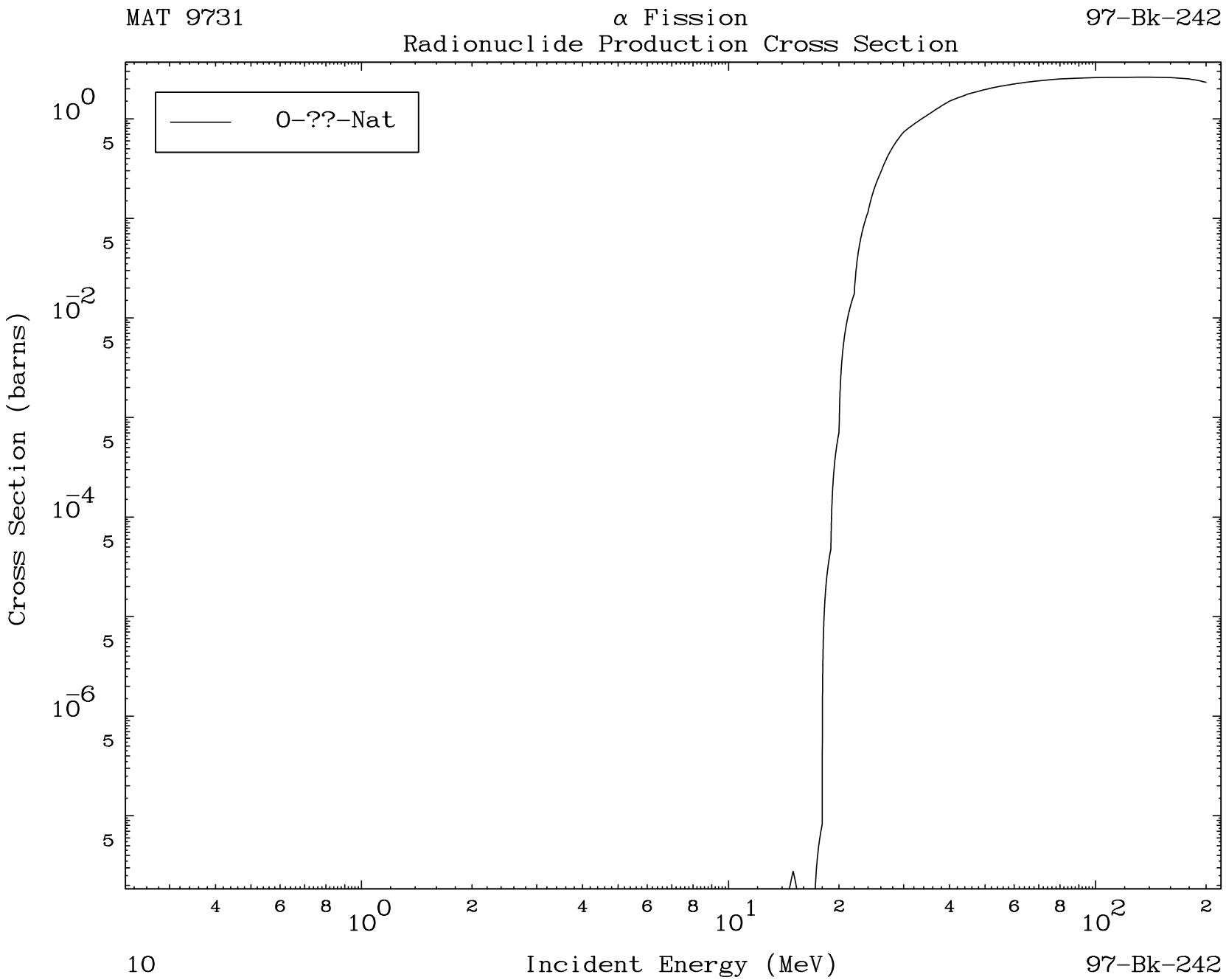

MAT 9731
(α,t) Levels
97-Bk-242
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
10-12
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
97-Bk-242

0 Kelvin Cross Sections



0 Kelvin Cross Sections




MAT 9731
α Fission
97-Bk-242
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
97-Bk-242