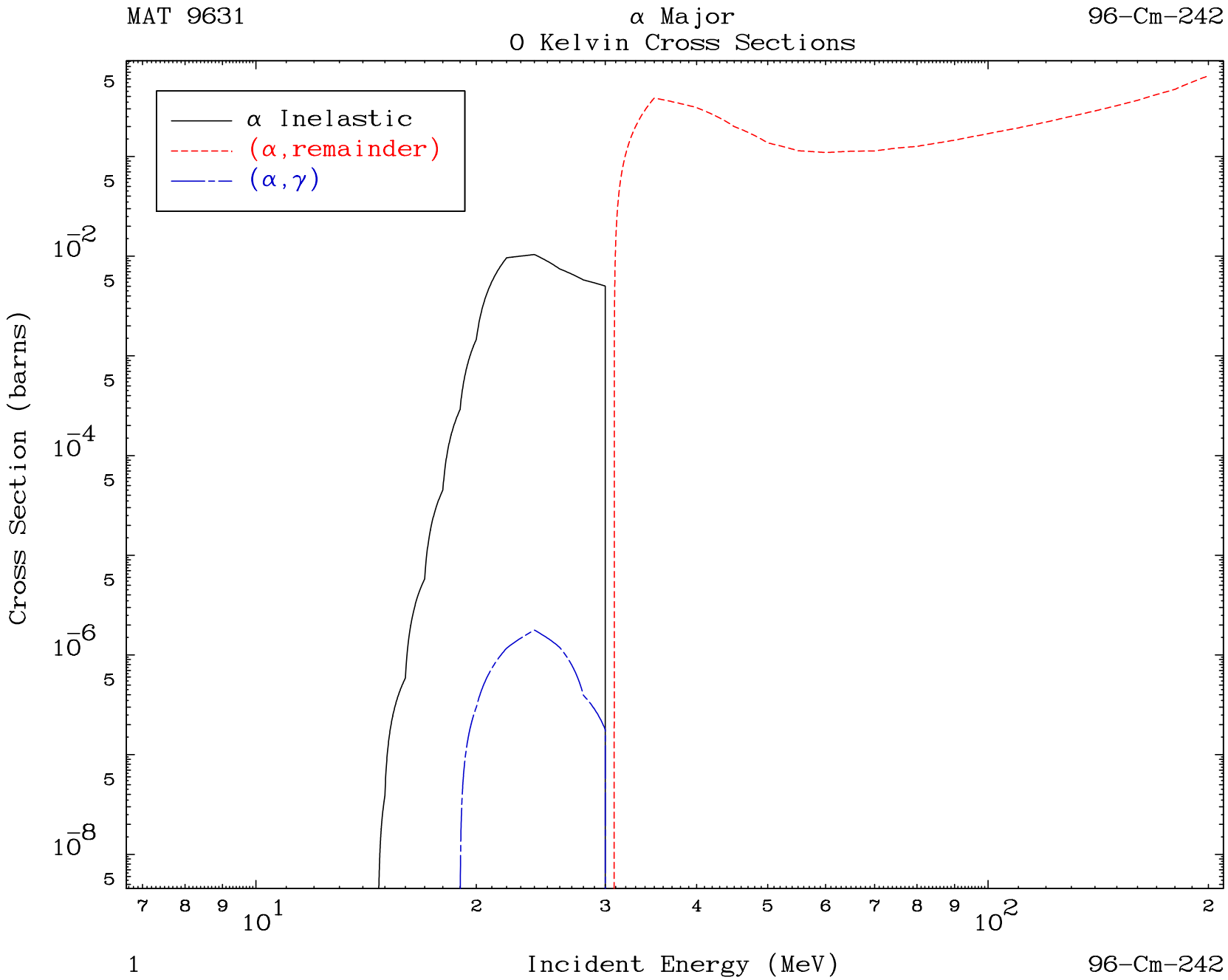
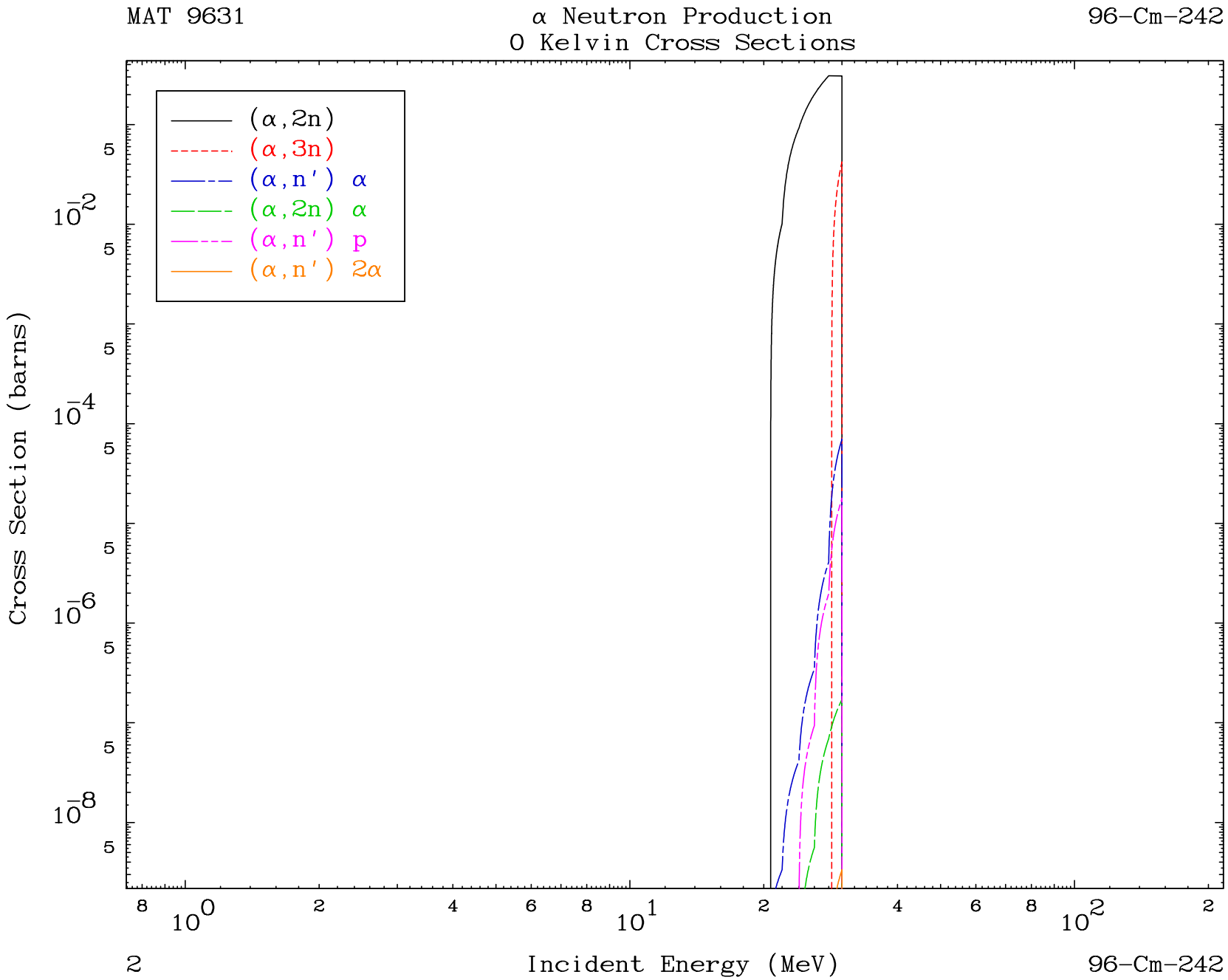
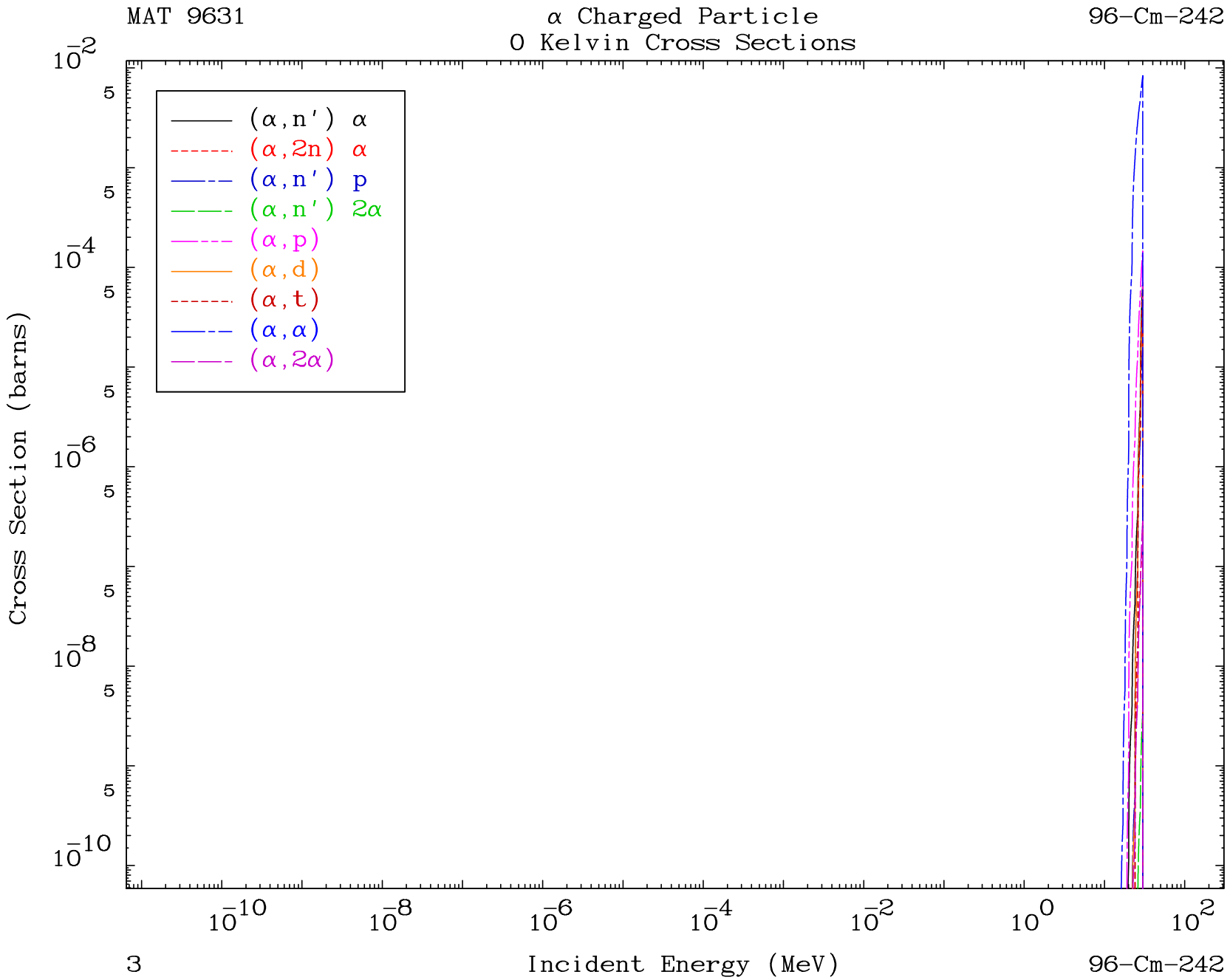
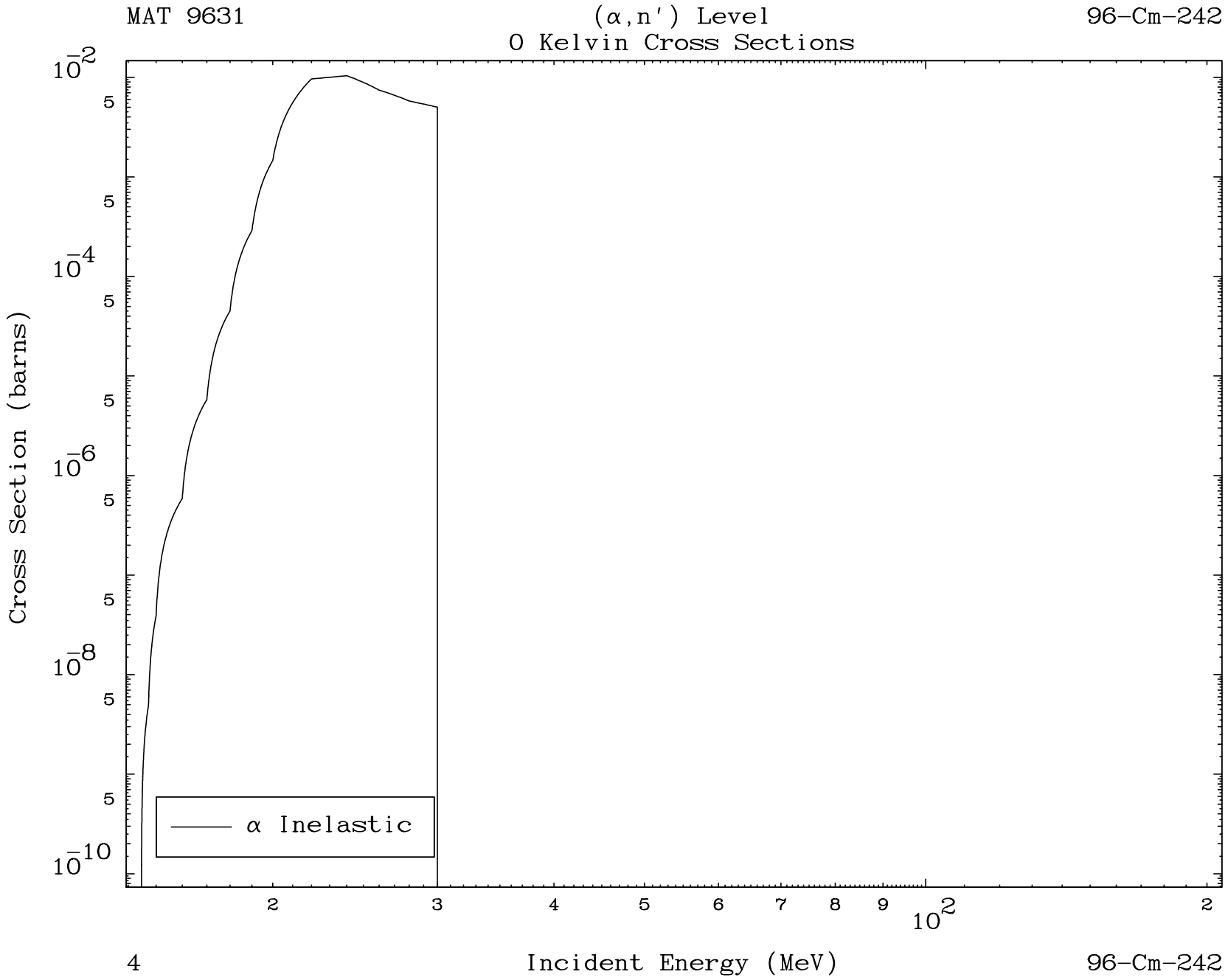
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

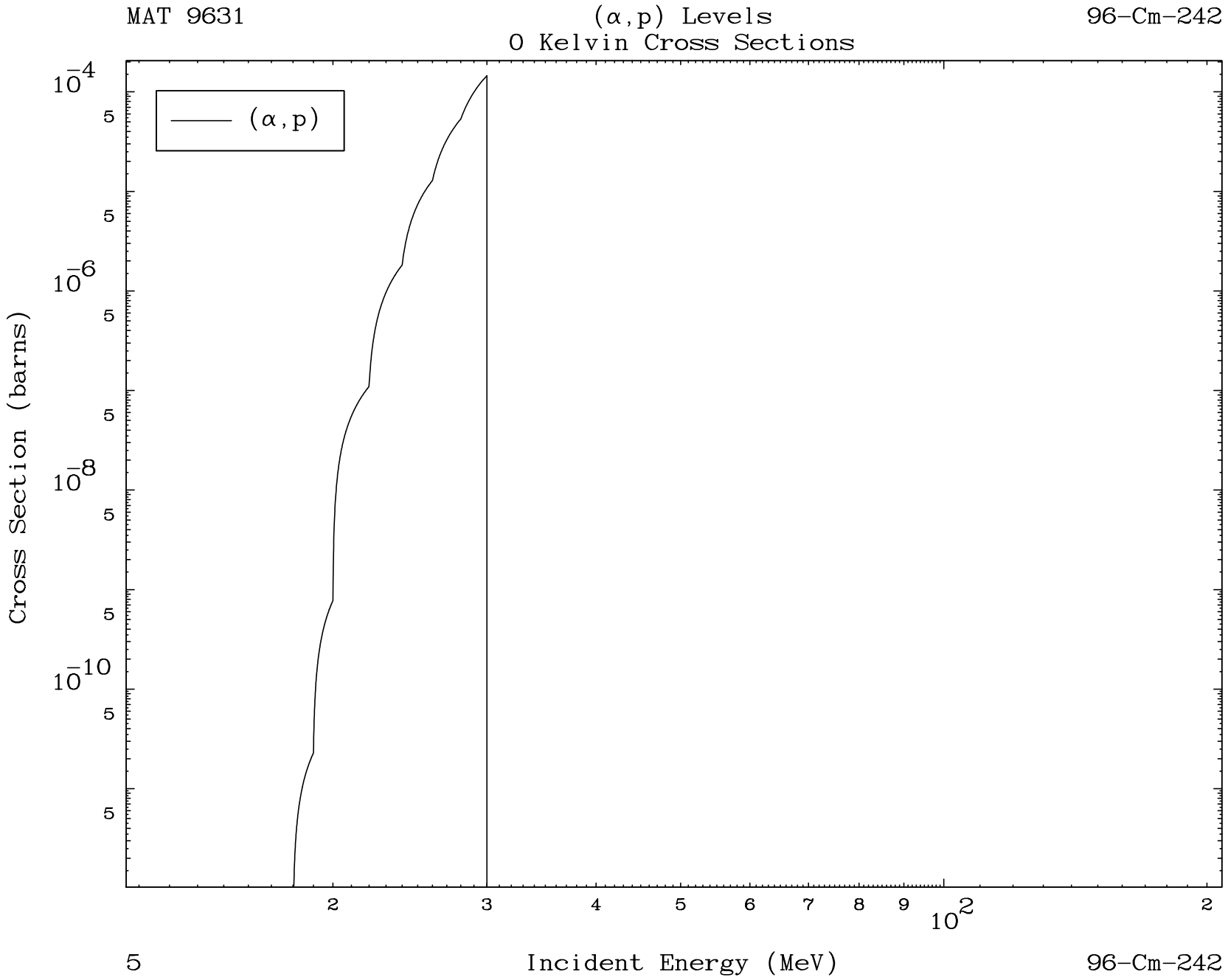
Press Mouse Button to Start

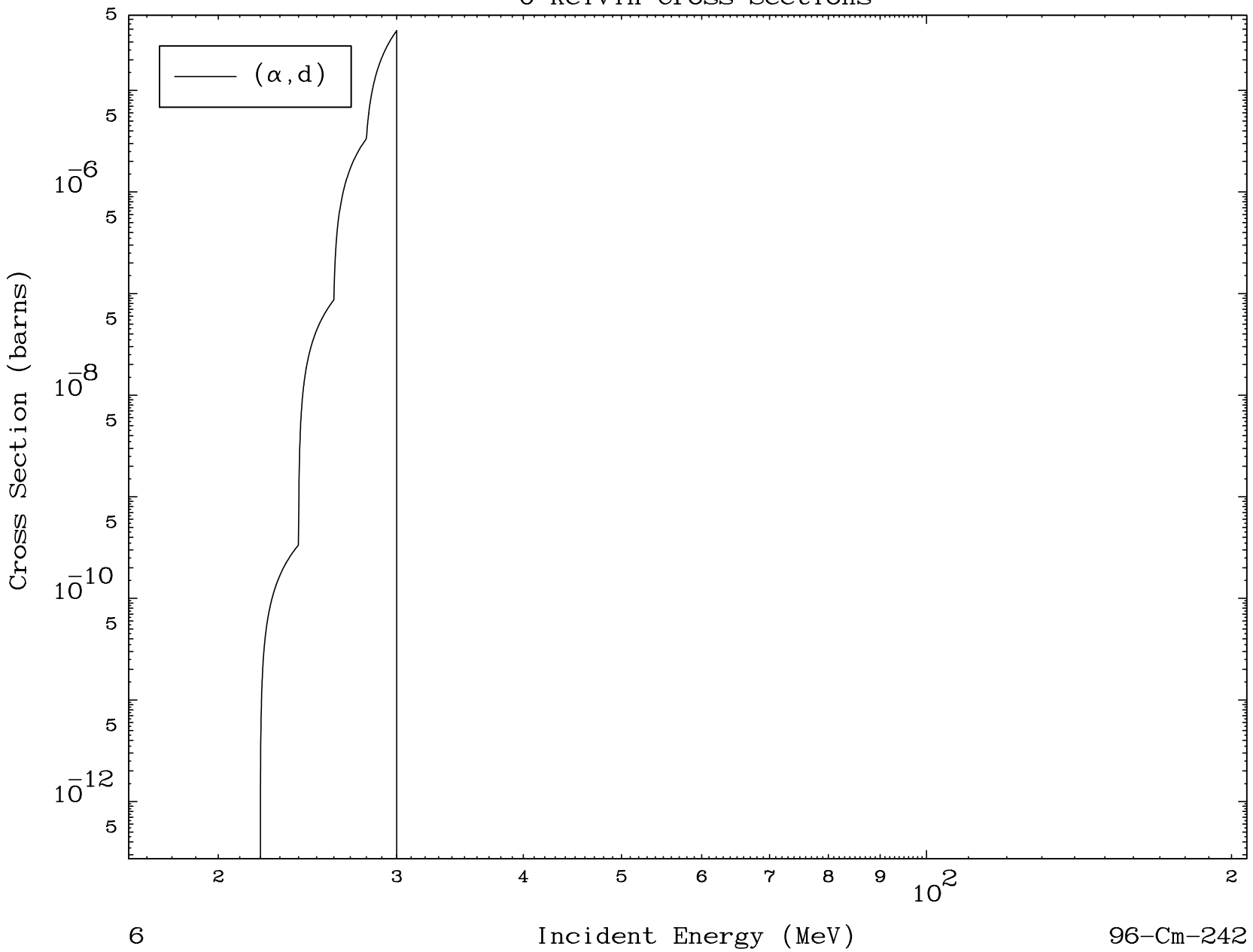

MAT 9631
α Major
96-Cm-242
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
96-Cm-242

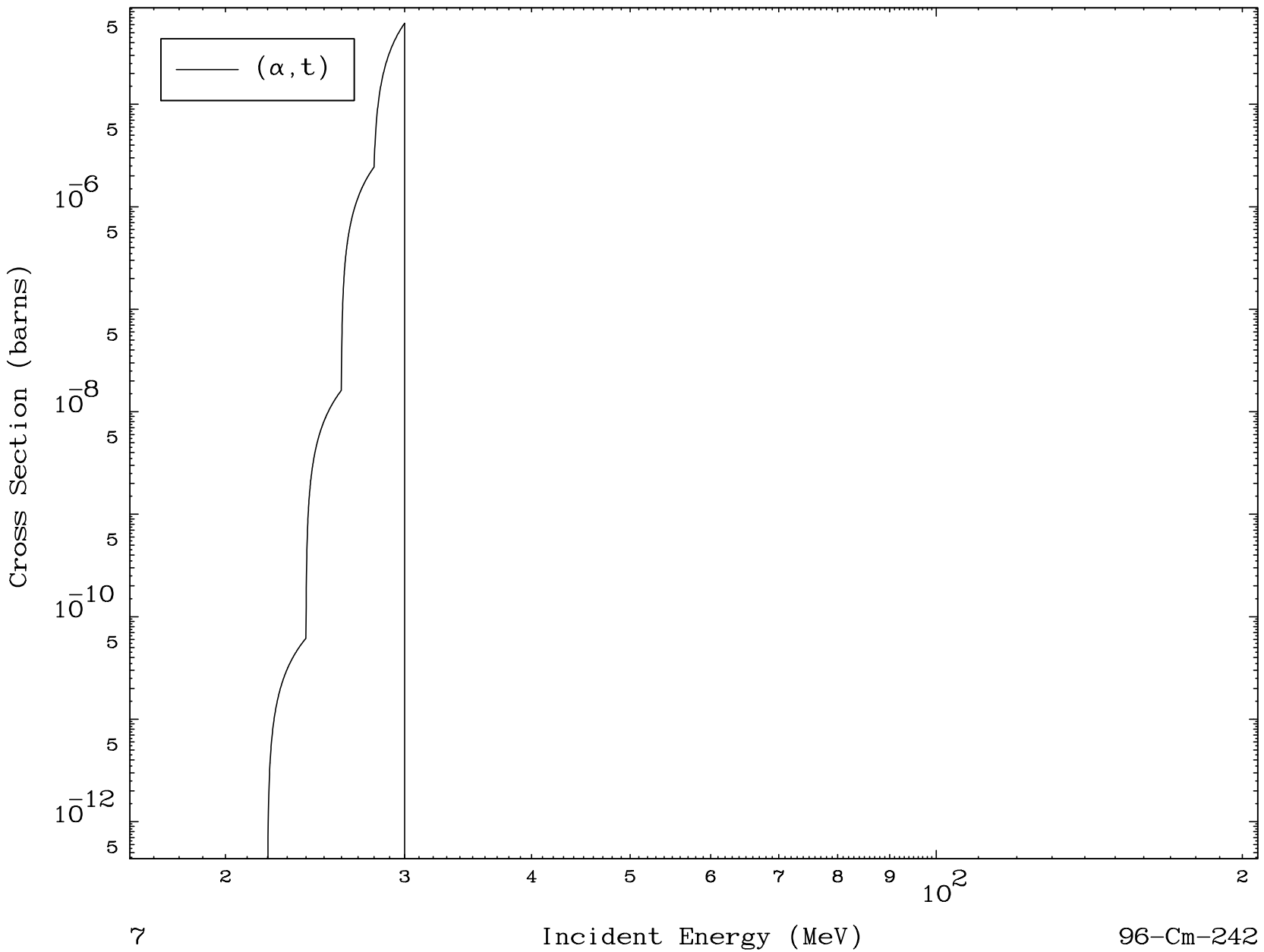

MAT 9631
α Neutron Production
0 Kelvin Cross Sections
96-Cm-242
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
Cross Section (barns)
Incident Energy (MeV)
96-Cm-242

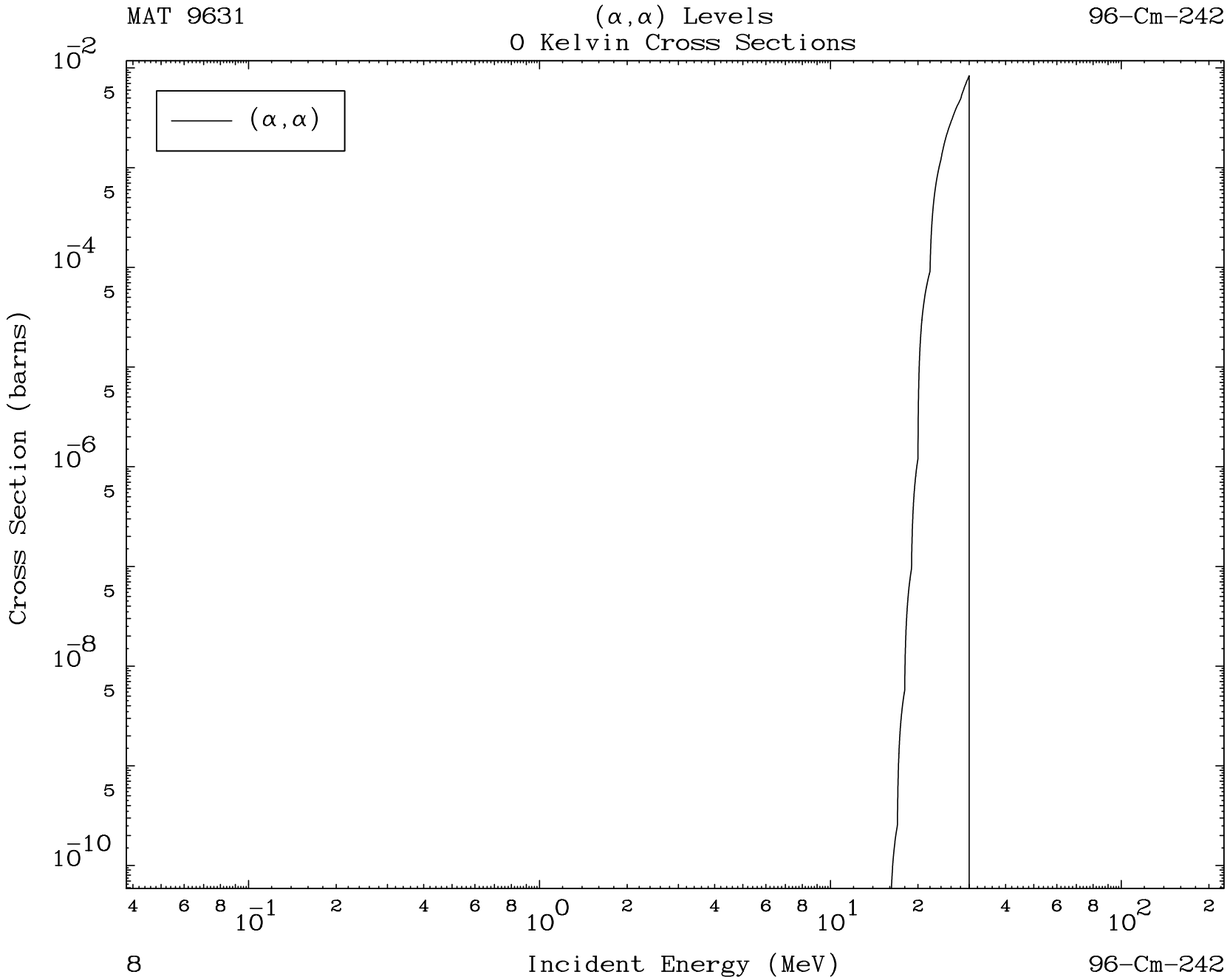

MAT 9631
α Charged Particle
0 Kelvin Cross Sections
96-Cm-242
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,p)
(α,d)
(α,t)
(α,α)
(α,2α)
Cross Section (barns)
Incident Energy (MeV)
3
96-Cm-242

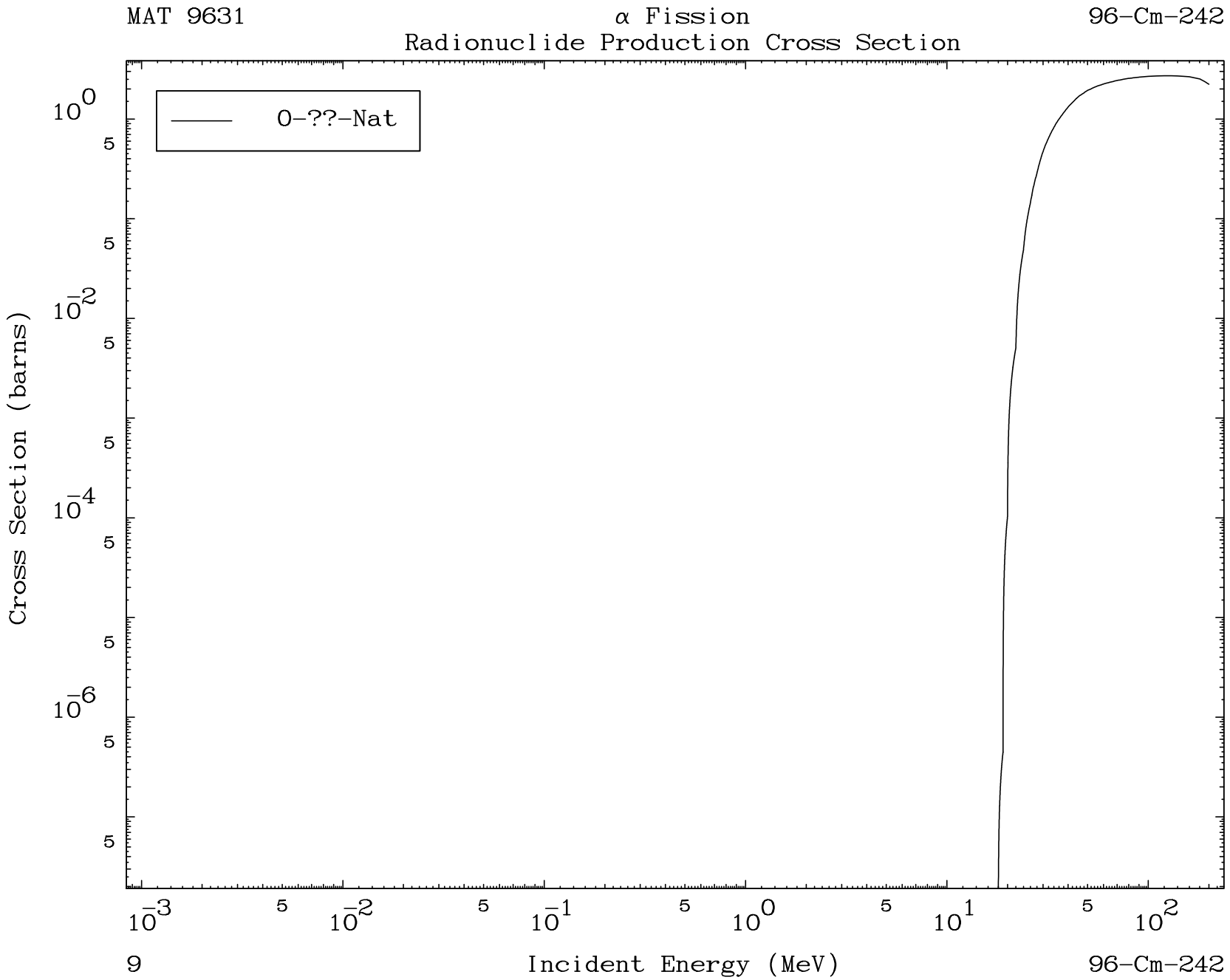

MAT 9631
(α,n') Level
96-Cm-242
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
α Inelastic
2
3
4
5
6
7
8
9
10 2
2
4
Incident Energy (MeV)
96-Cm-242

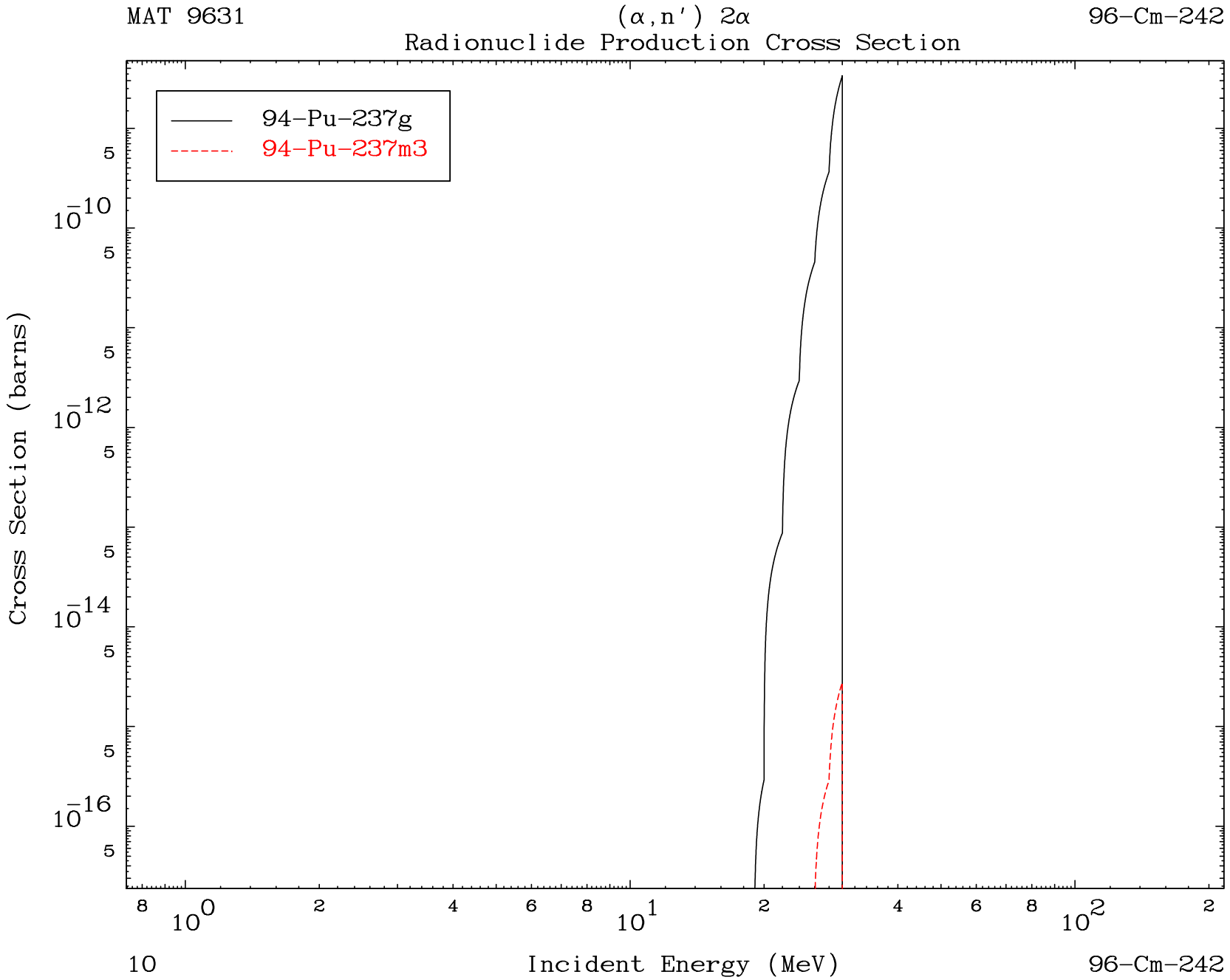

MAT 9631
(α,p) Levels
96-Cm-242
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
96-Cm-242


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)


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


MAT 9631
(α,α) Levels
96-Cm-242
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
96-Cm-242


MAT 9631
α Fission
96-Cm-242
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-3
10^-2
10^-1
10^0
10^1
10^2
Incident Energy (MeV)
9
96-Cm-242


MAT 9631
(α,n') 2α
96-Cm-242
Radionuclide Production Cross Section
94-Pu-237g
94-Pu-237m3
Cross Section (barns)
Incident Energy (MeV)
96-Cm-242