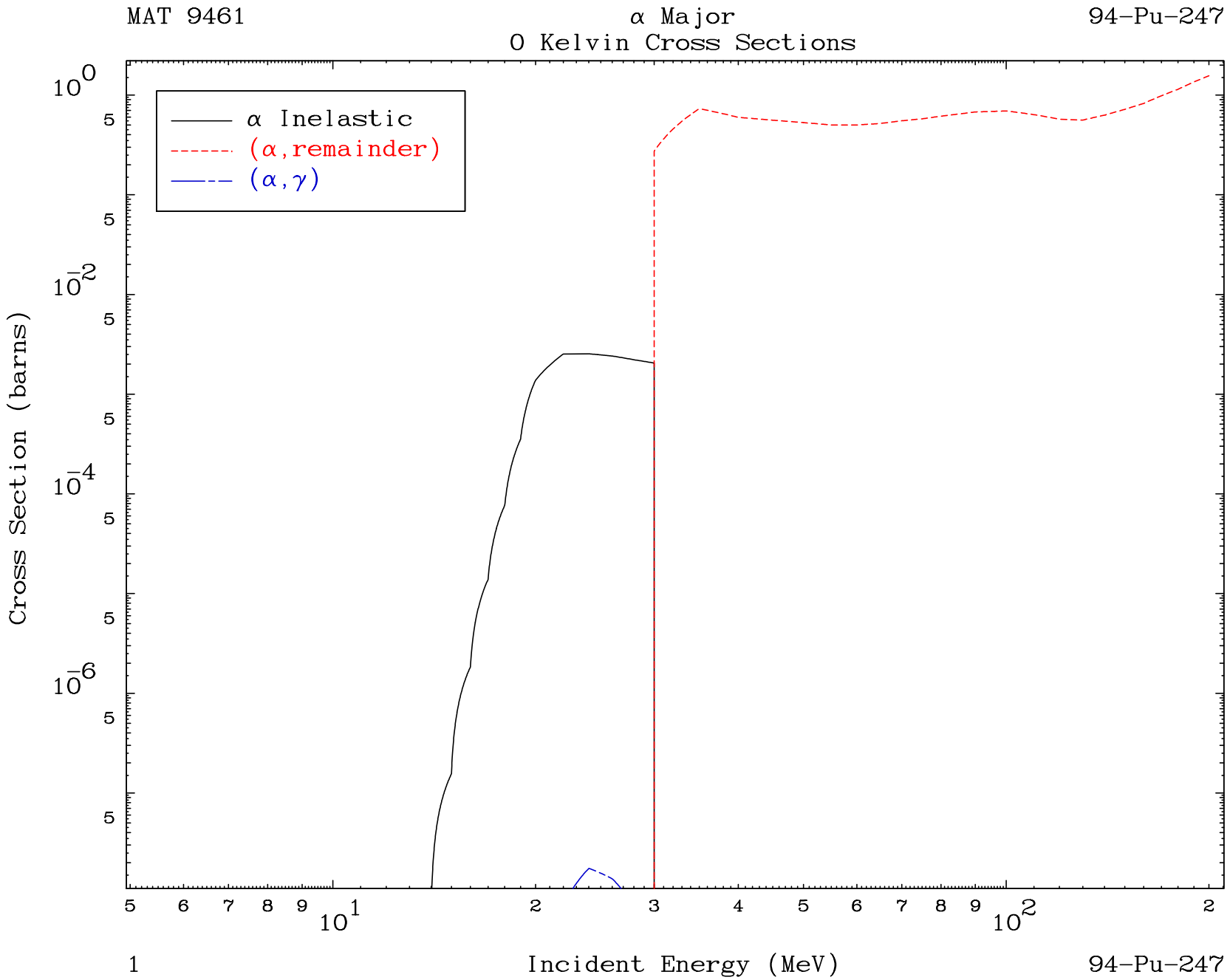
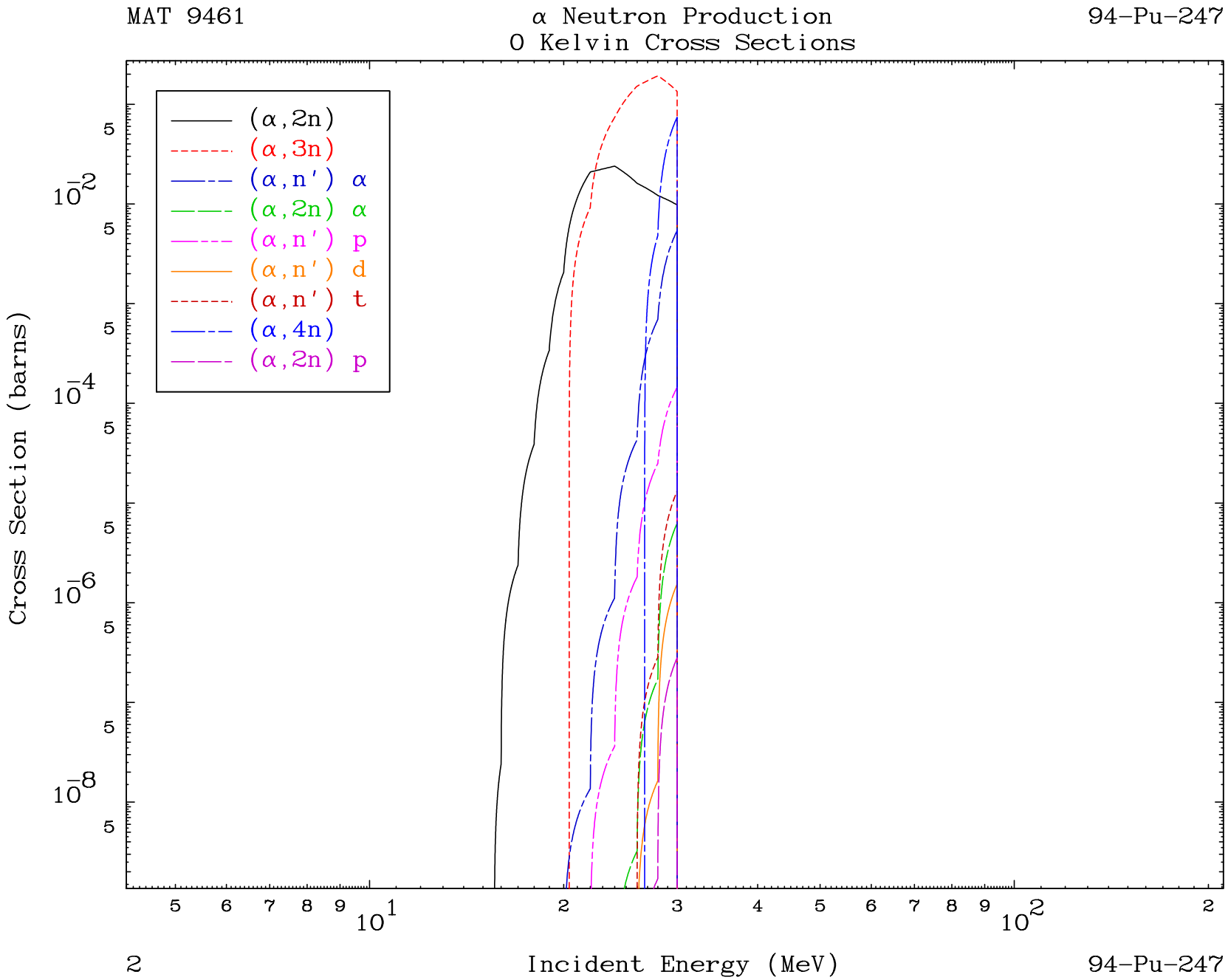
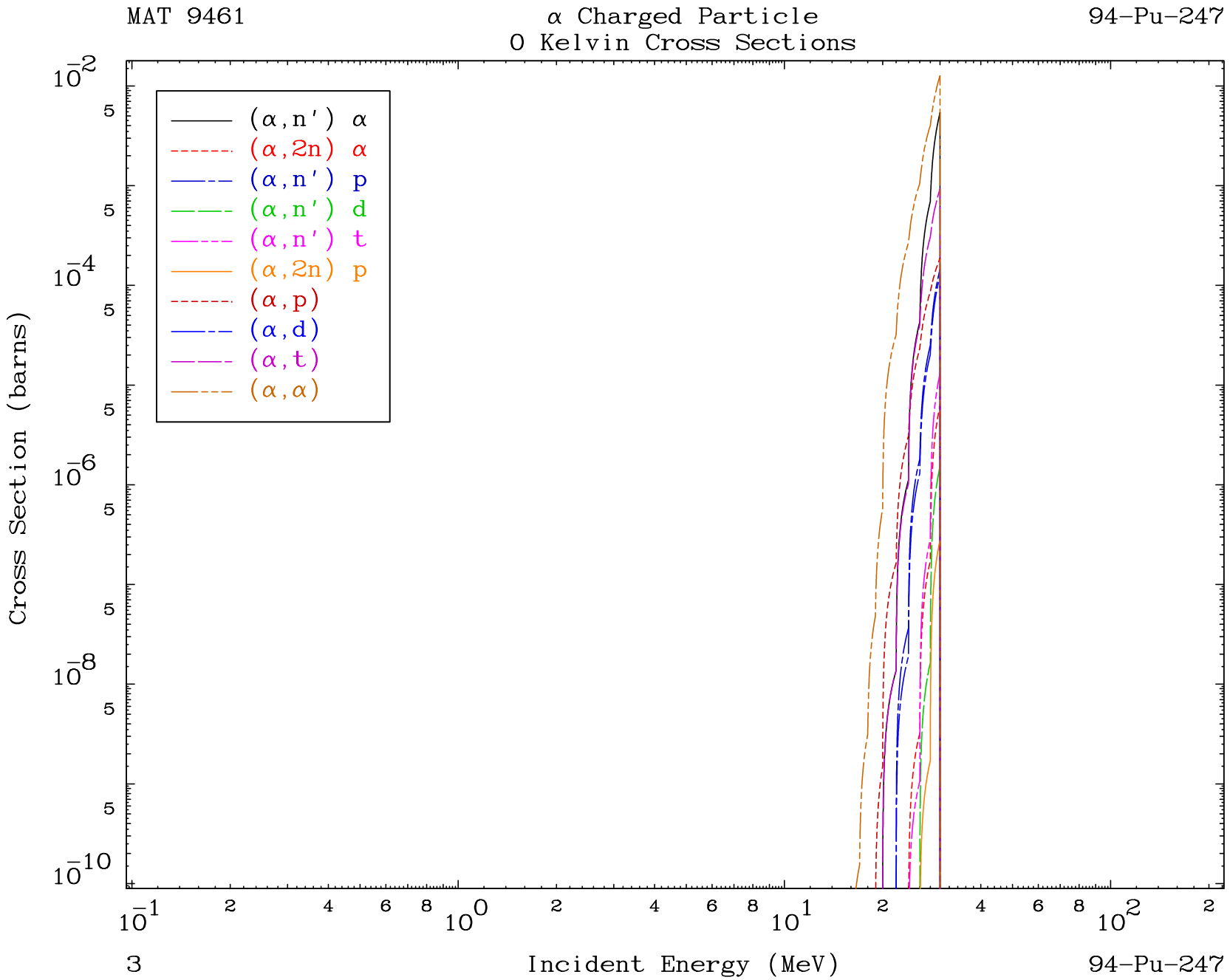
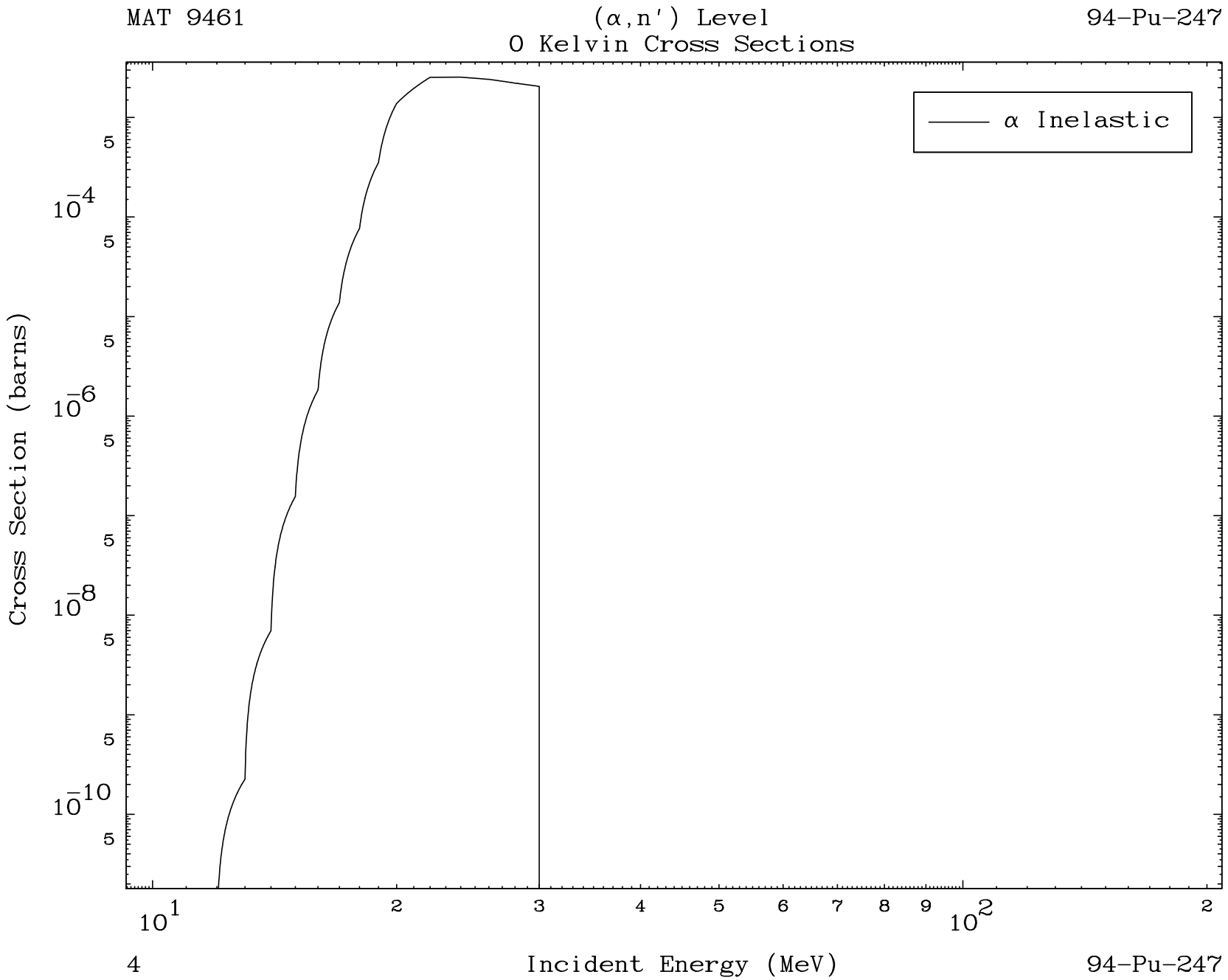
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

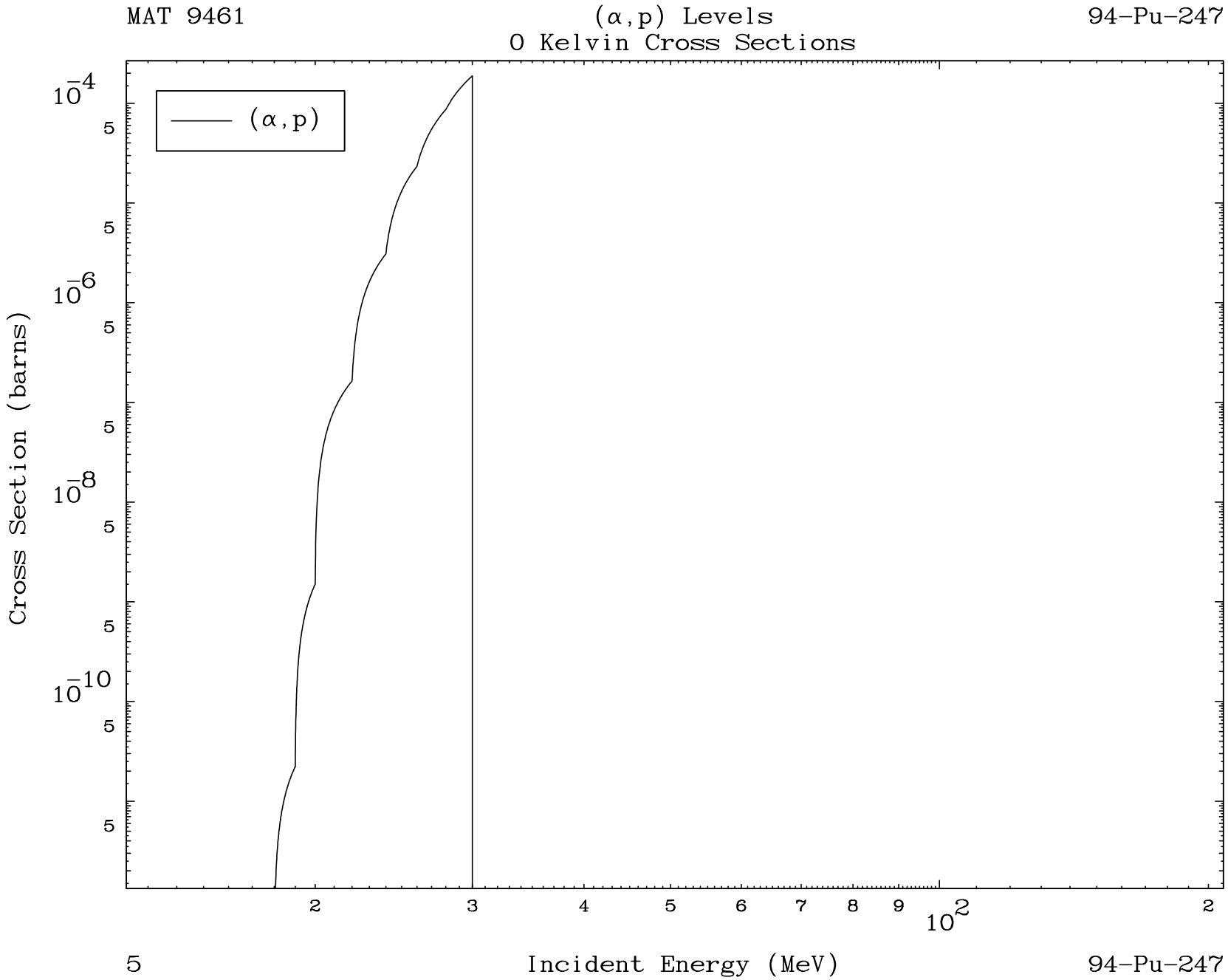
Press Mouse Button to Start

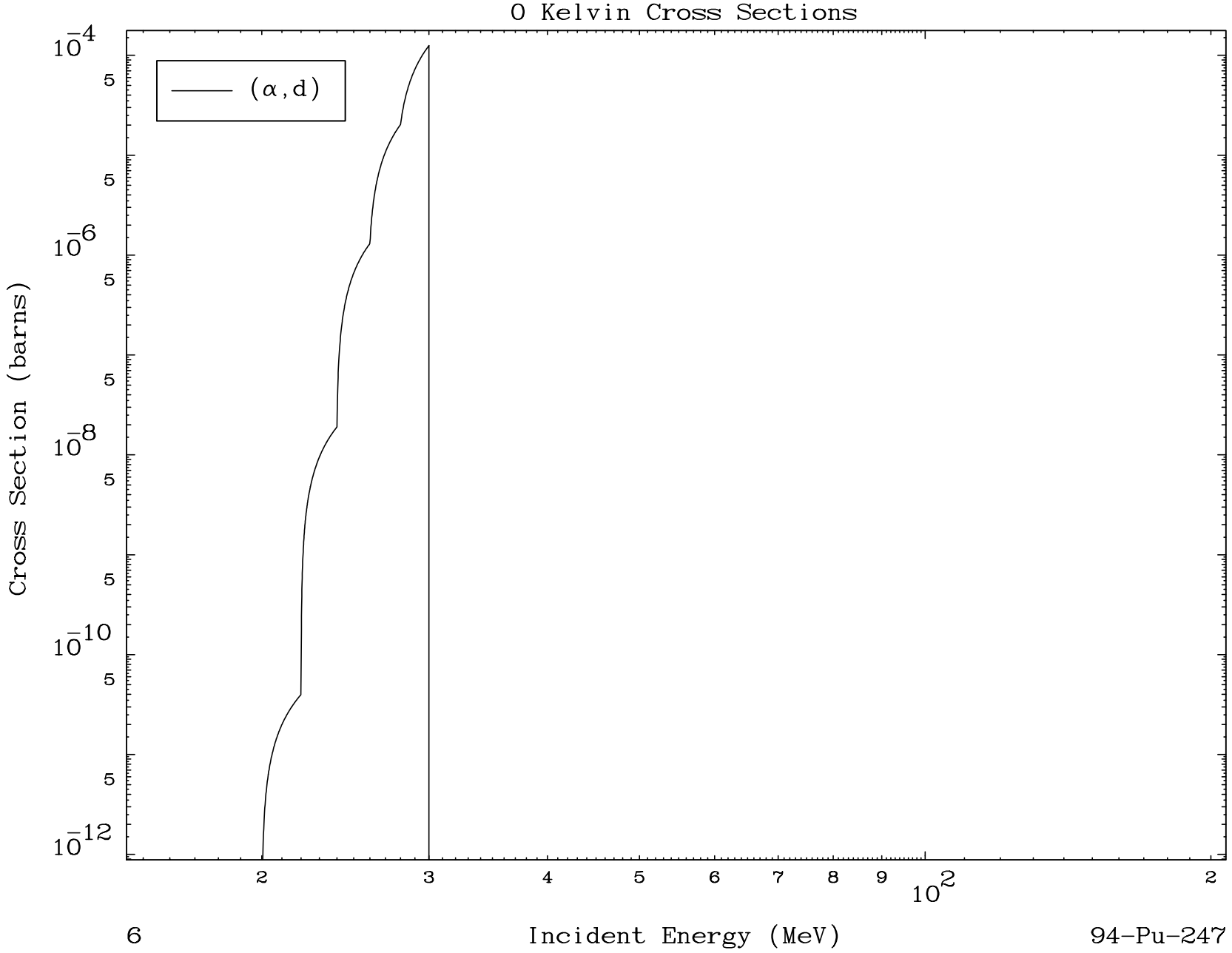

MAT 9461
α Major
94-Pu-247
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
94-Pu-247

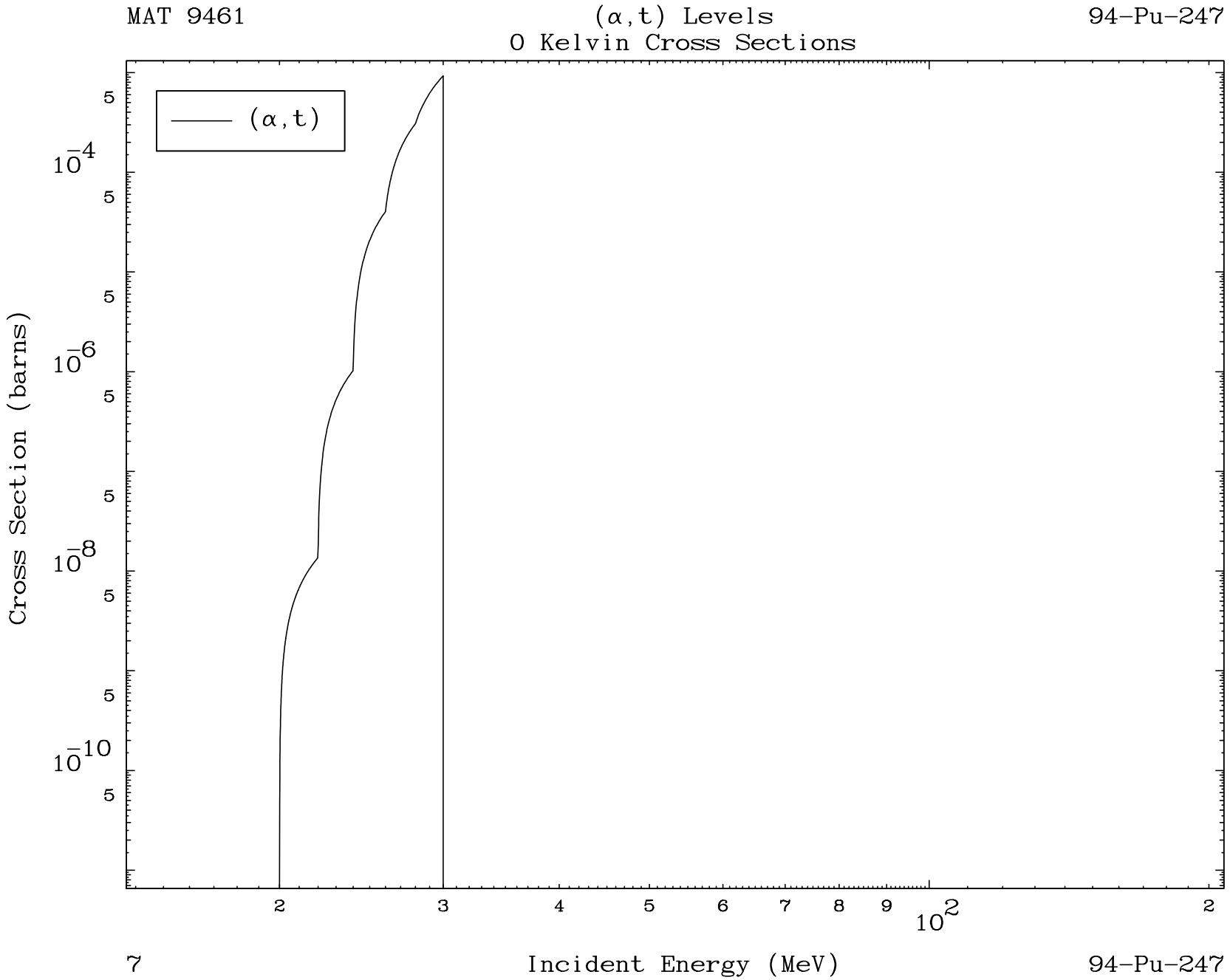

MAT 9461
α Neutron Production
0 Kelvin Cross Sections
94-Pu-247
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
94-Pu-247

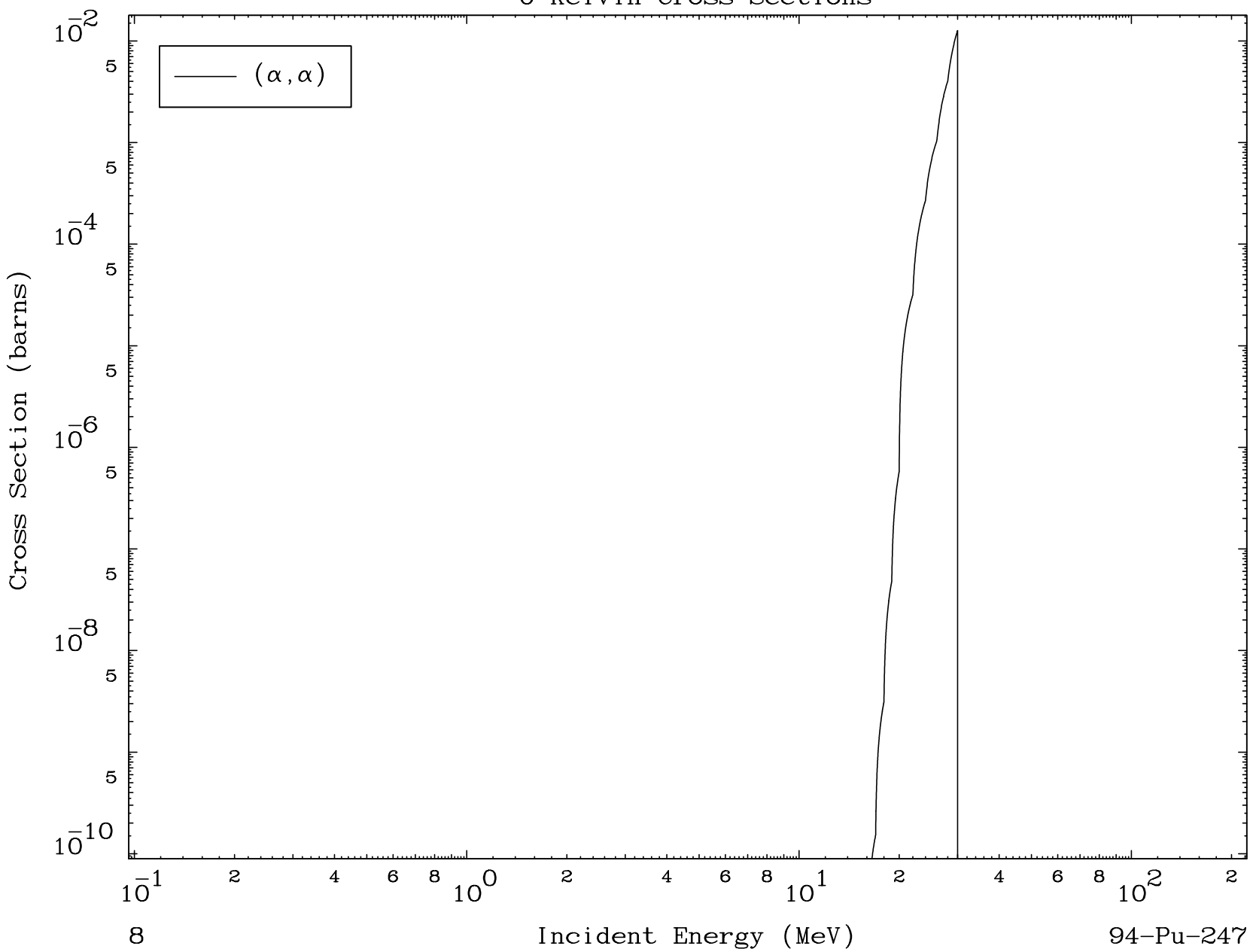

MAT 9461
α Charged Particle
0 Kelvin Cross Sections
94-Pu-247
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
(α,d)
(α,t)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
3
94-Pu-247

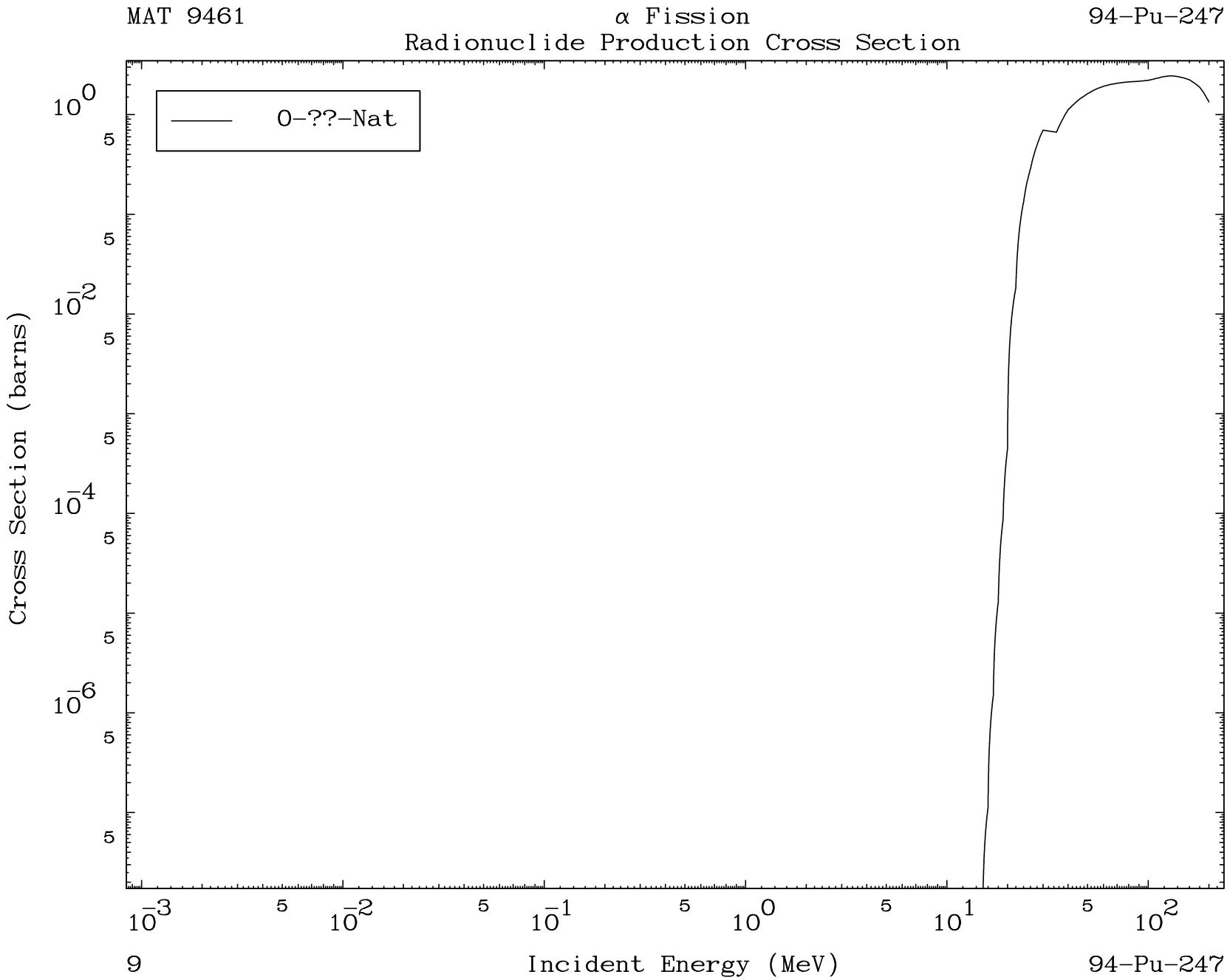

MAT 9461
(α,n') Level
94-Pu-247
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
94-Pu-247


MAT 9461
(α,p) Levels
94-Pu-247
0 Kelvin Cross Sections
(α,p)
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)
94-Pu-247


0 Kelvin Cross Sections
(α,d)
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
Incident Energy (MeV)


MAT 9461
(α,t) Levels
94-Pu-247
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
Incident Energy (MeV)
7
94-Pu-247


0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
10-10
5
10-1
2
4
6
8
100
2
4
6
8
101
2
4
6
8
102
2
Incident Energy (MeV)


MAT 9461
α Fission
94-Pu-247
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
94-Pu-247