Program EVALPLOT
(Version 2018-1)
by
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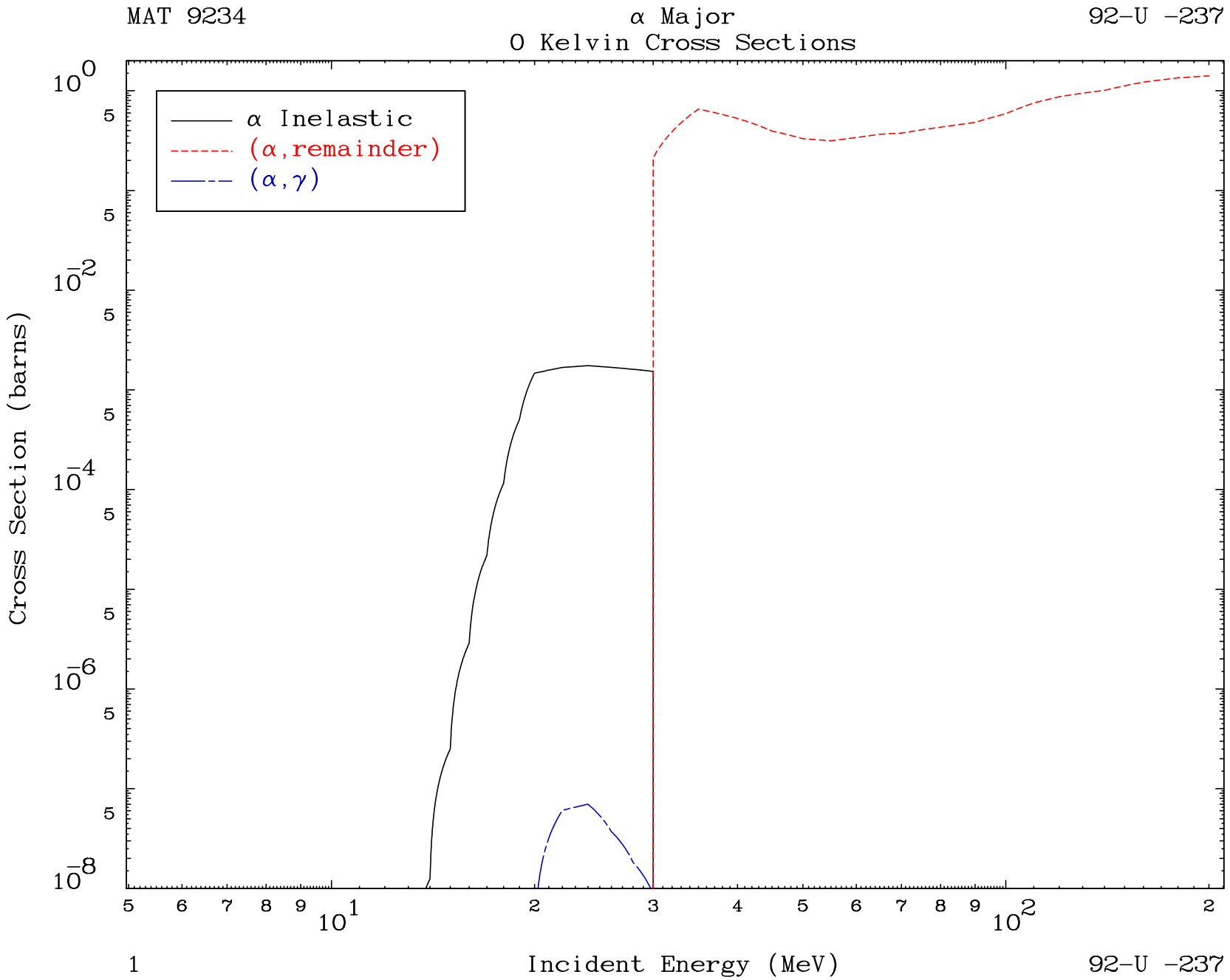
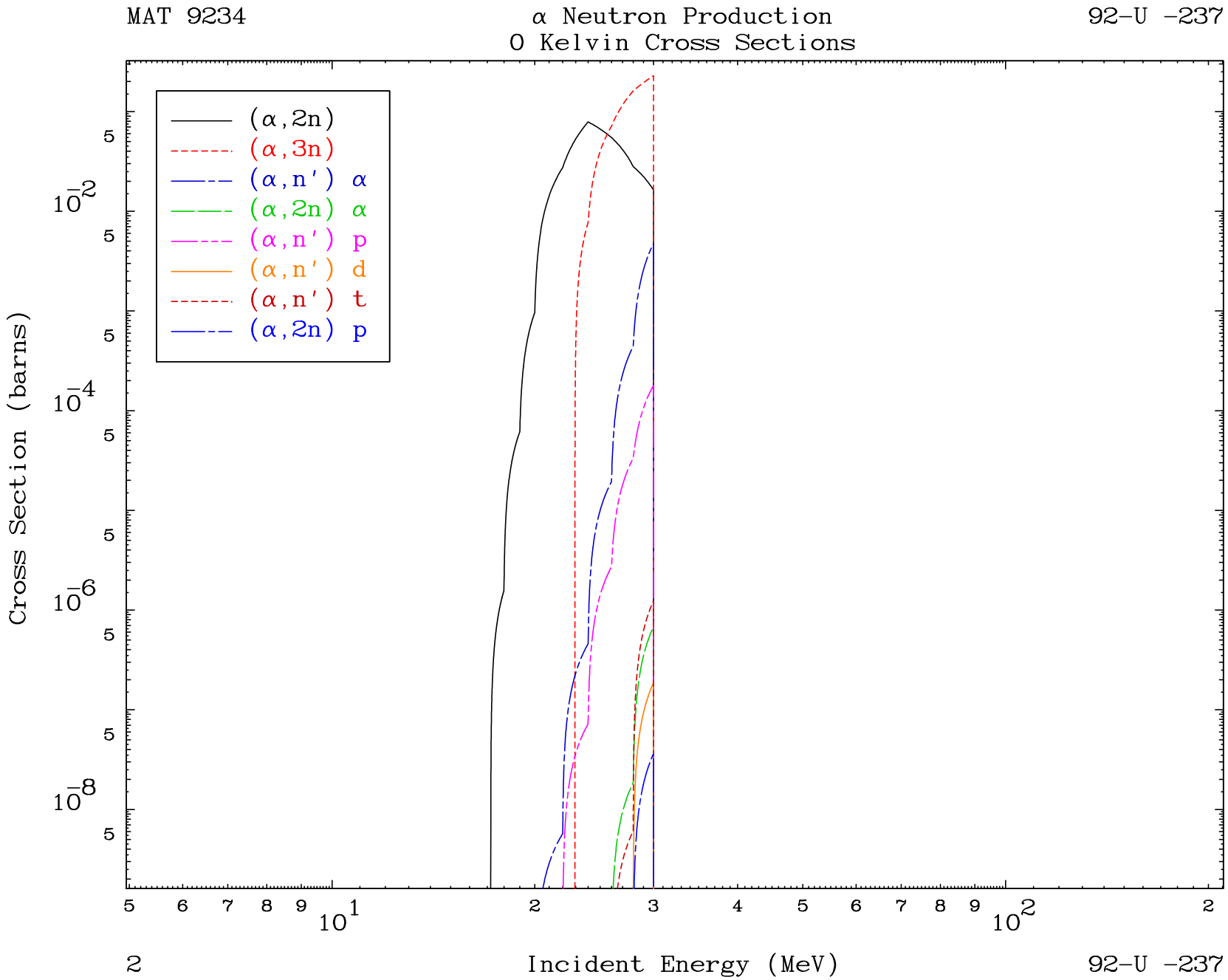
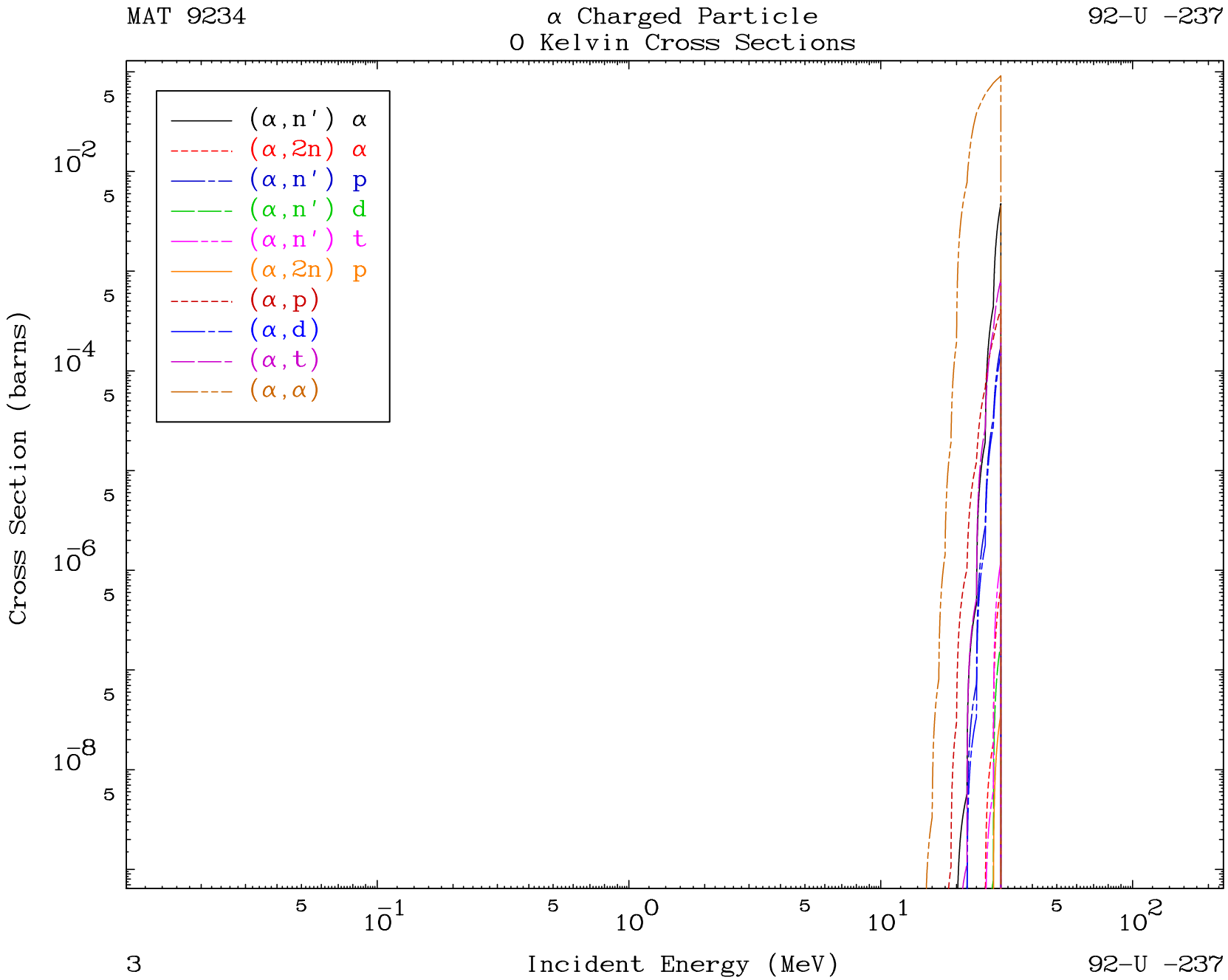
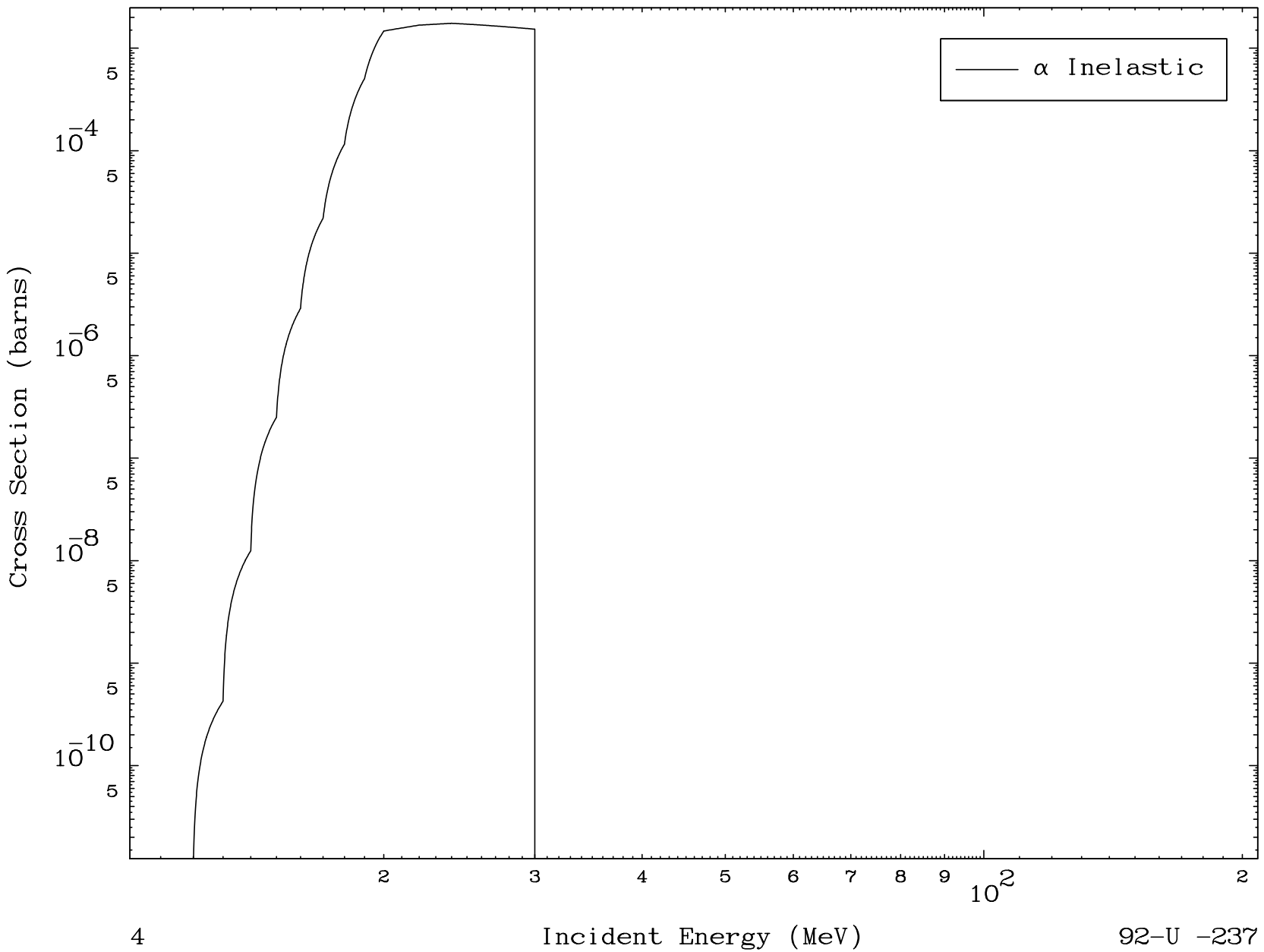
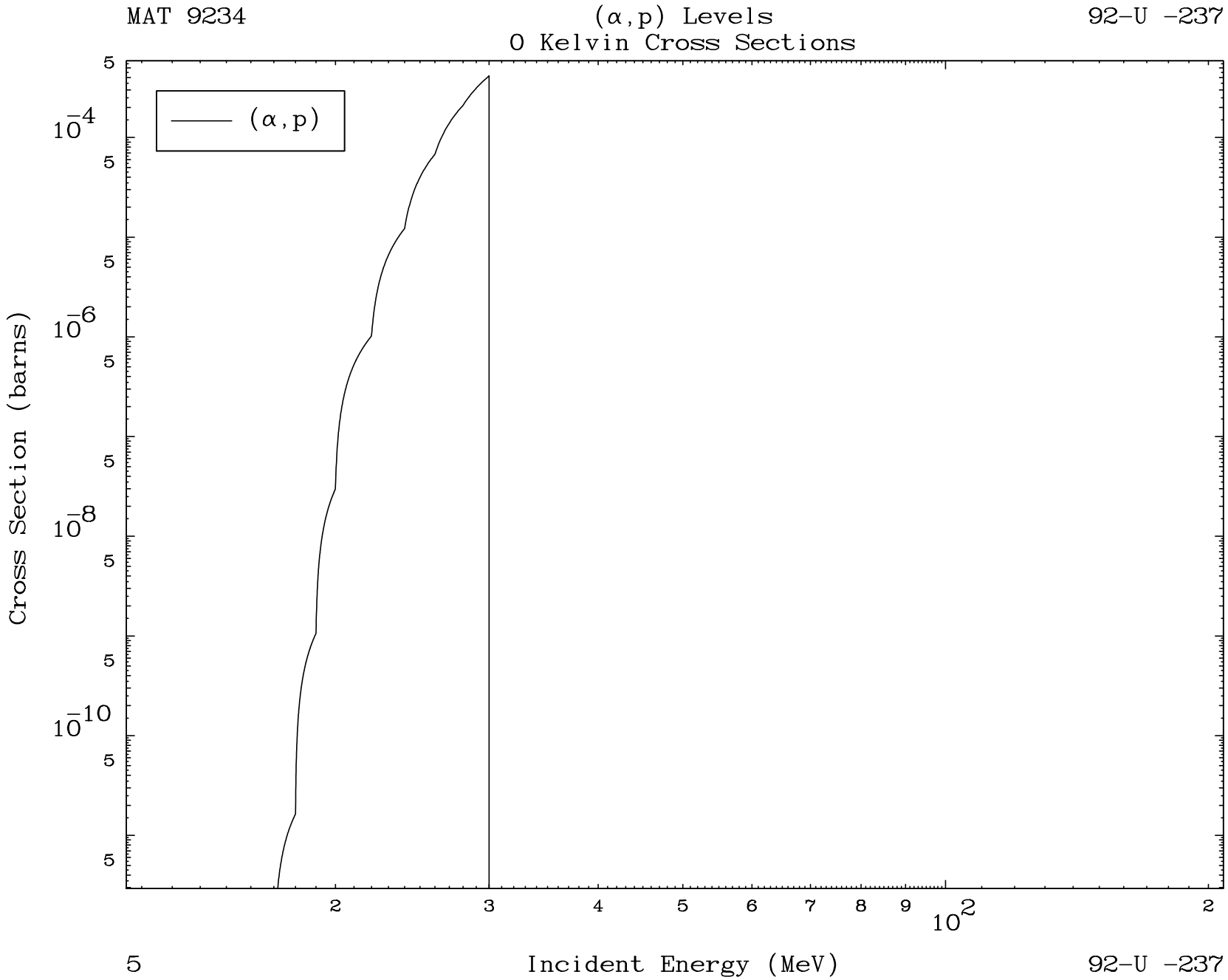
Press Mouse Button to Start

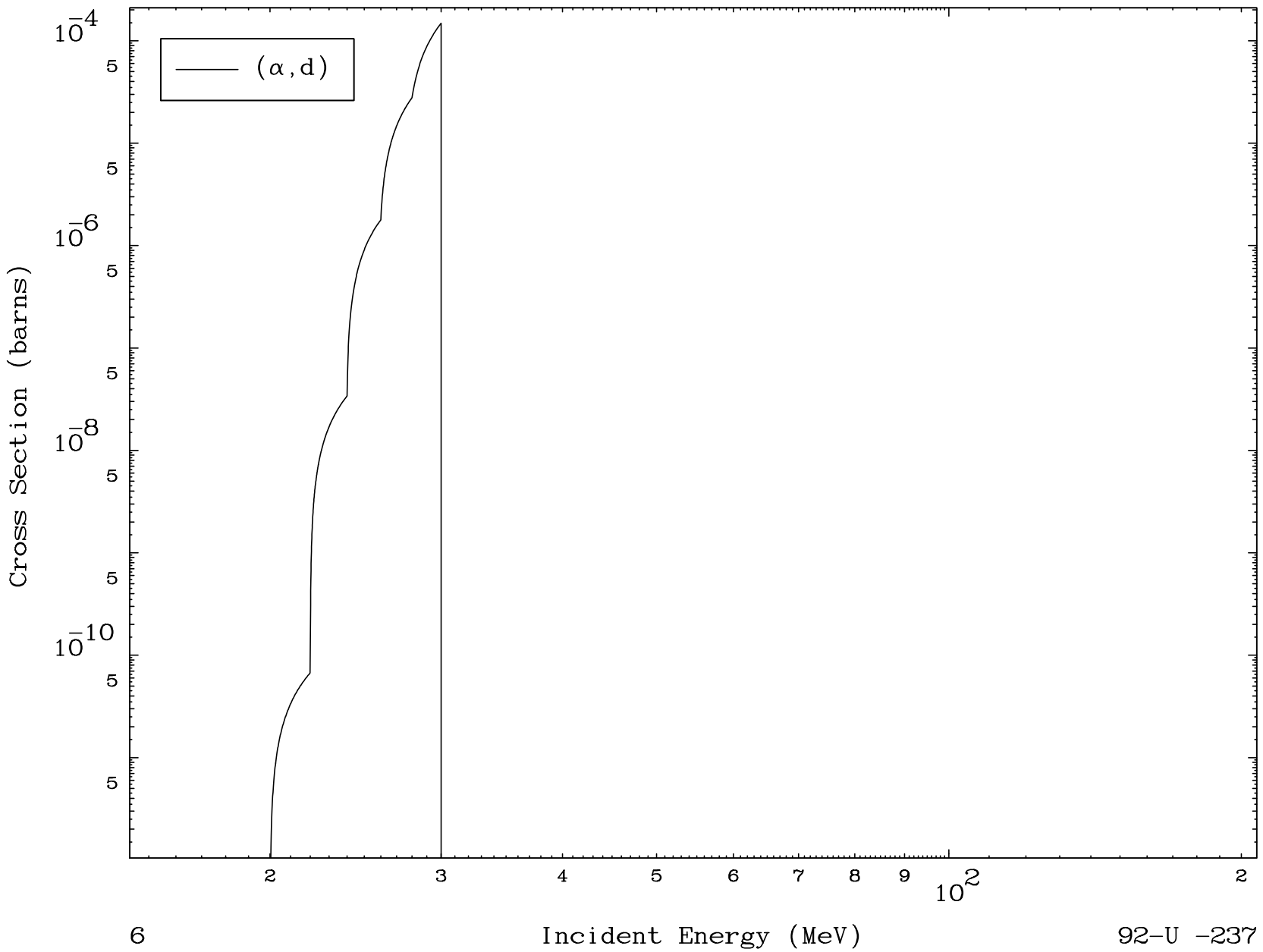

MAT 9234
α Major
92-U -237
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
92-U -237


MAT 9234
α Neutron Production
0 Kelvin Cross Sections
92-U -237
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
92-U -237

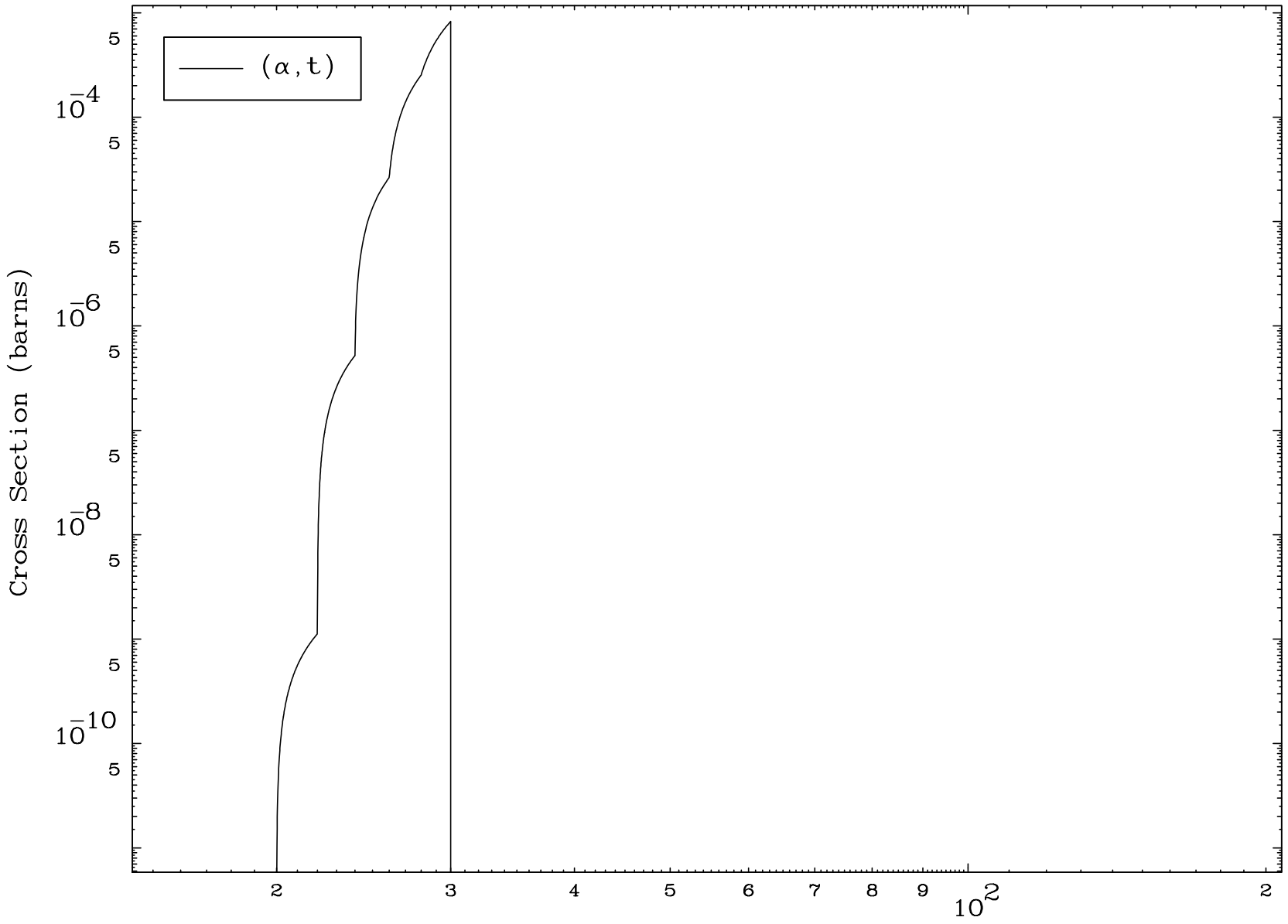

MAT 9234
α Charged Particle
0 Kelvin Cross Sections
92-U -237
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
(α,d)
(α,t)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
3
92-U -237

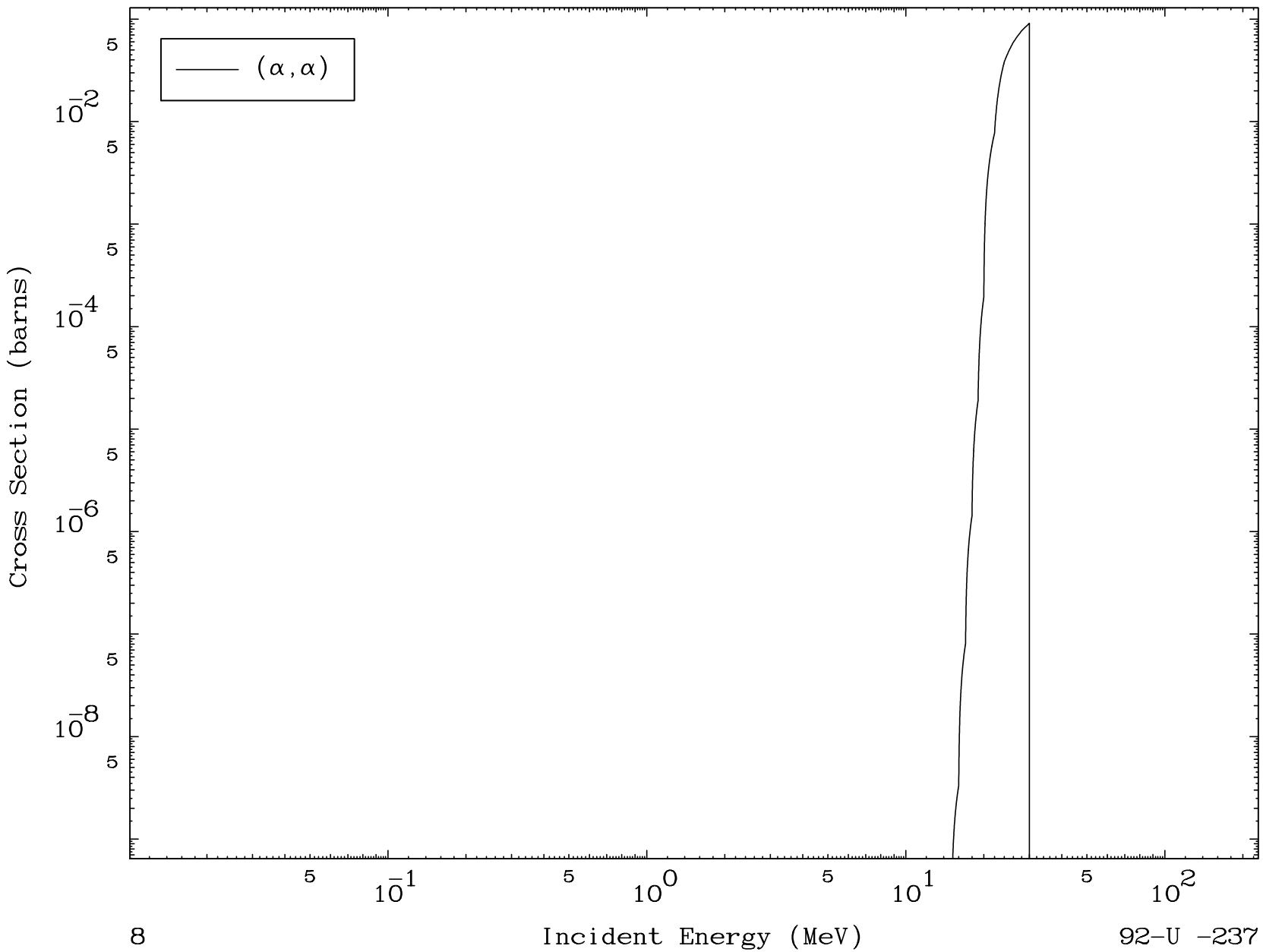

0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

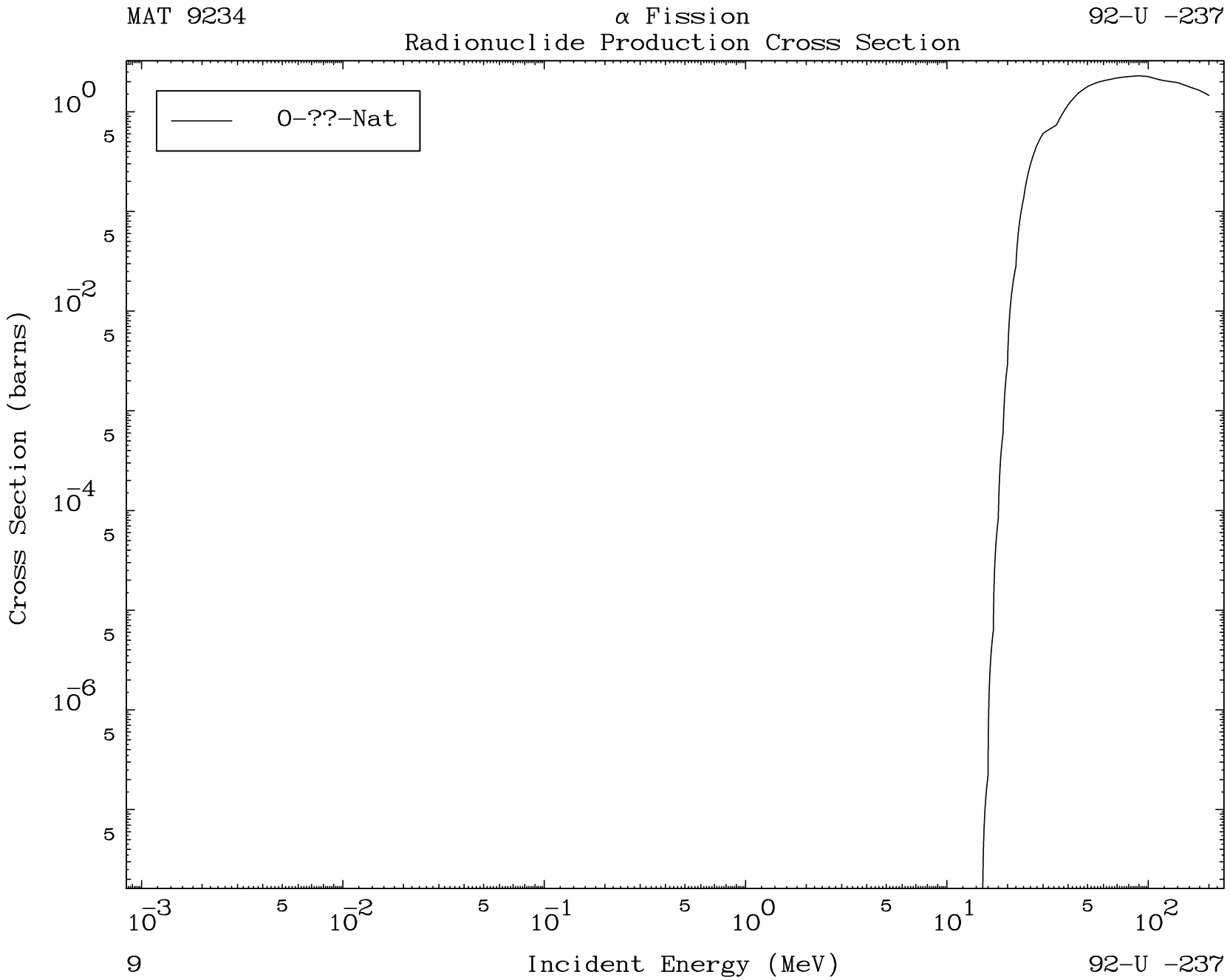

MAT 9234
(α,p) Levels
92-U -237
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
92-U -237

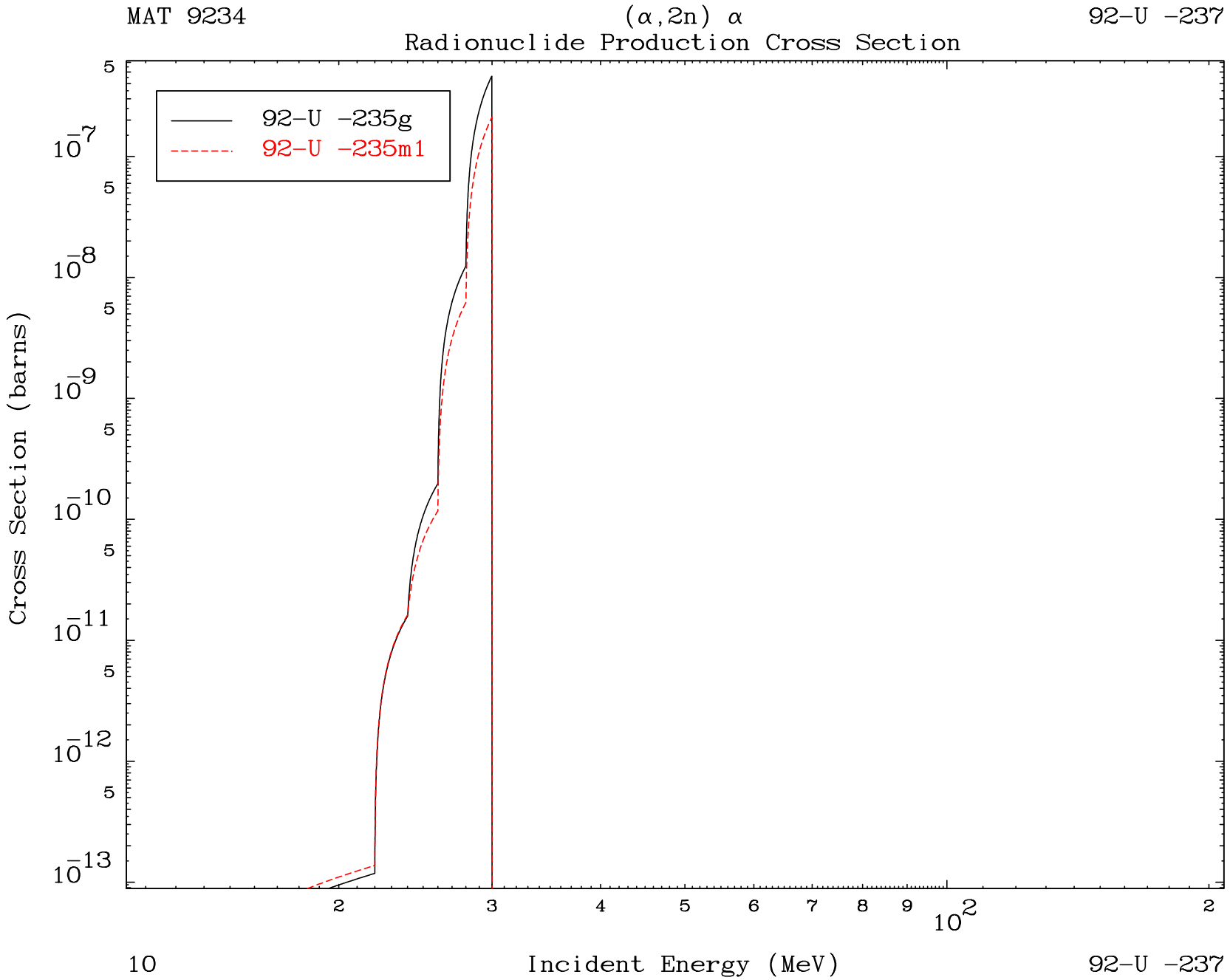

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

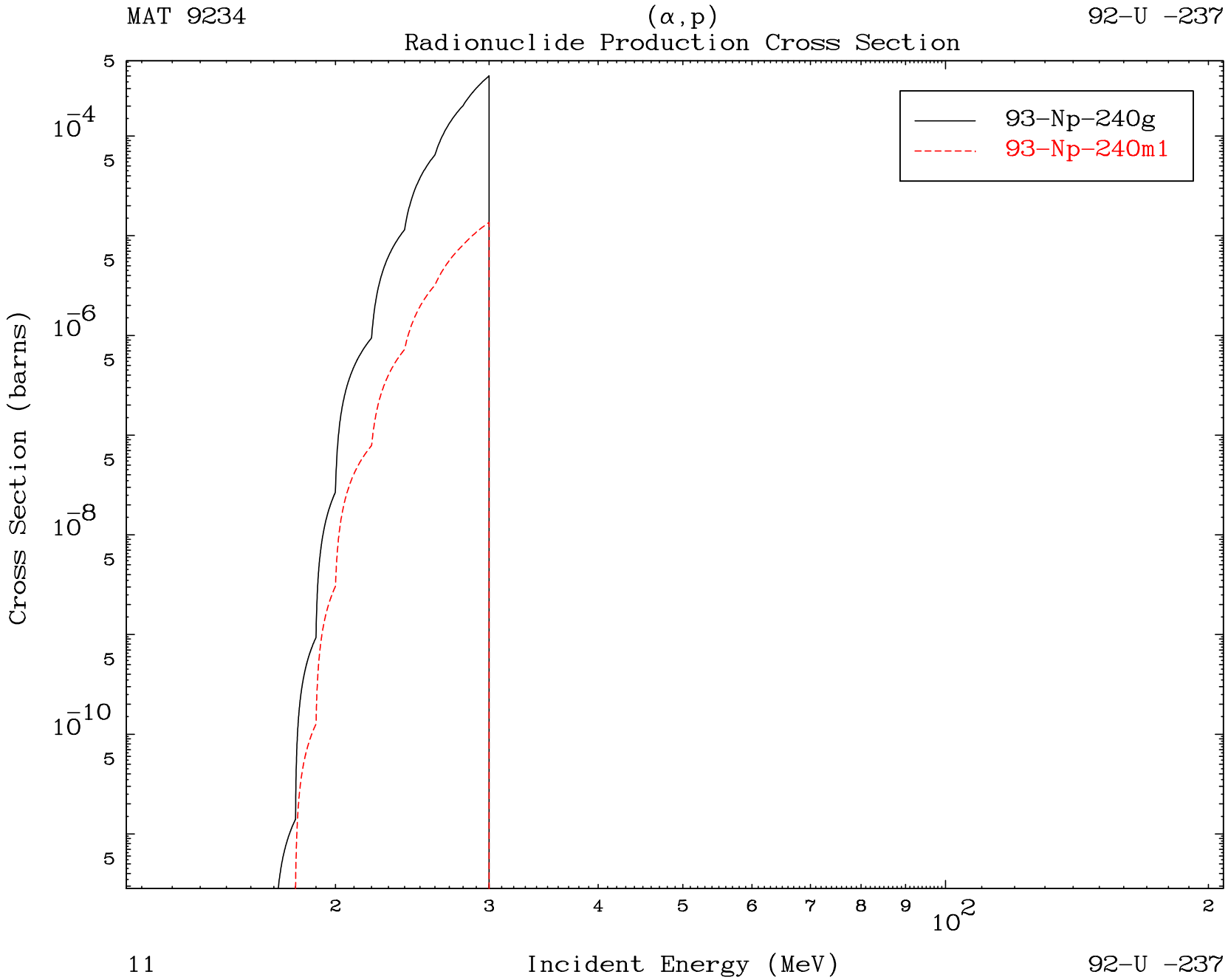
0 Kelvin Cross Sections




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


MAT 9234
α Fission
92-U -237
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
92-U -237


MAT 9234
(α,2n) α
92-U -237
Radionuclide Production Cross Section
92-U -235g
92-U -235m1
Cross Section (barns)
10
Incident Energy (MeV)
92-U -237


MAT 9234
(α,p)
92-U -237
Radionuclide Production Cross Section
93-Np-240g
93-Np-240m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
11
92-U -237