Program EVALPLOT
(Version 2021-1)
by
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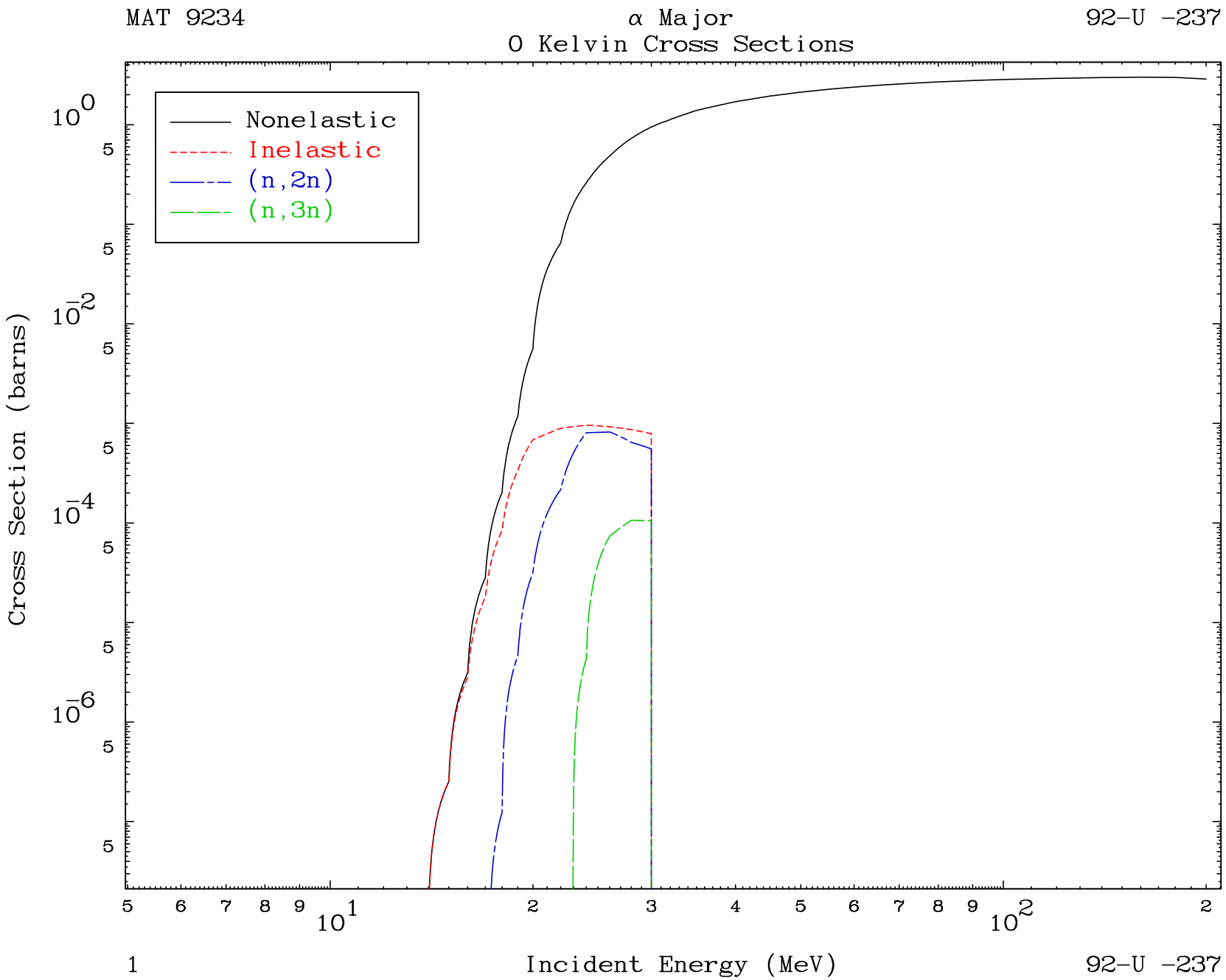
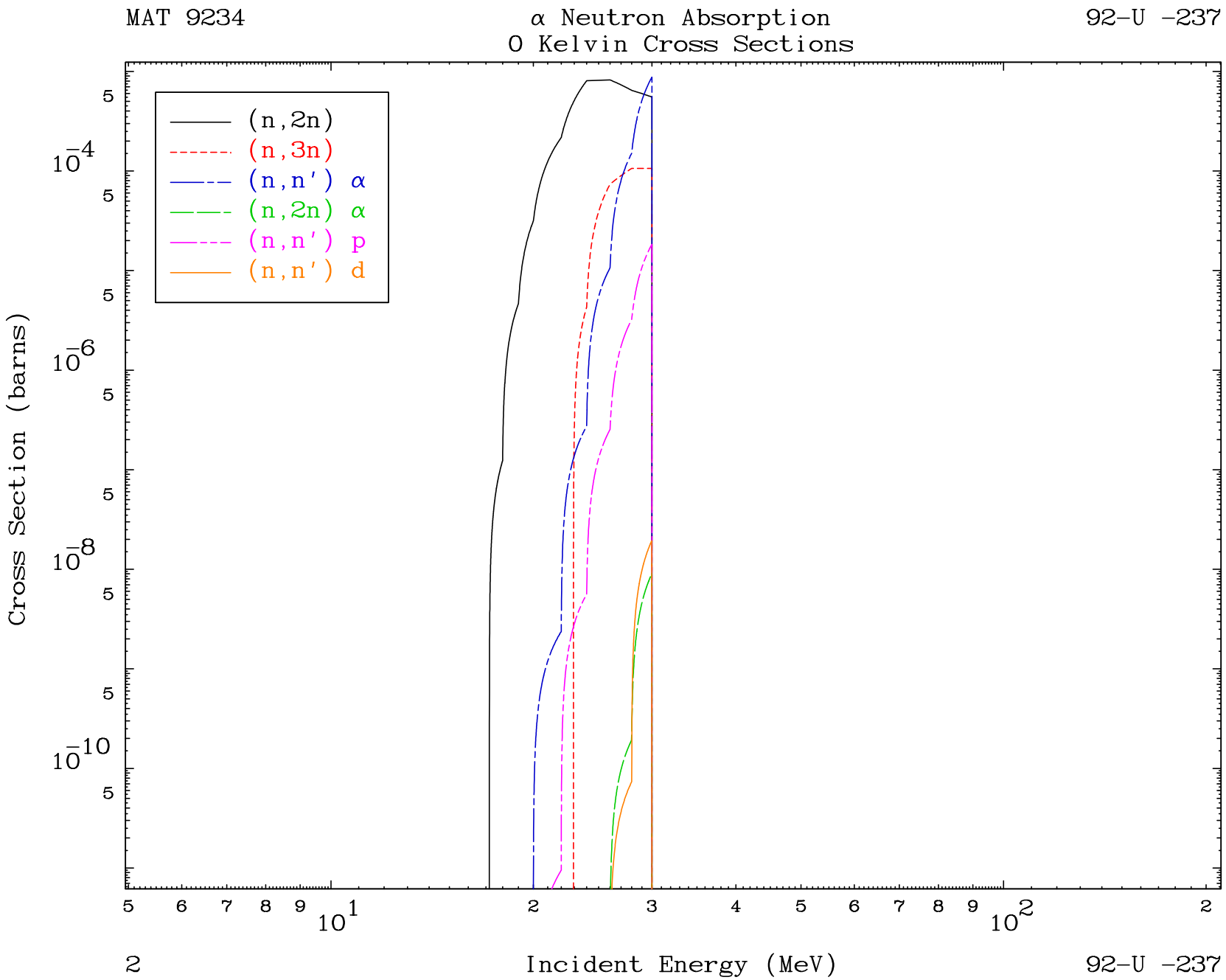
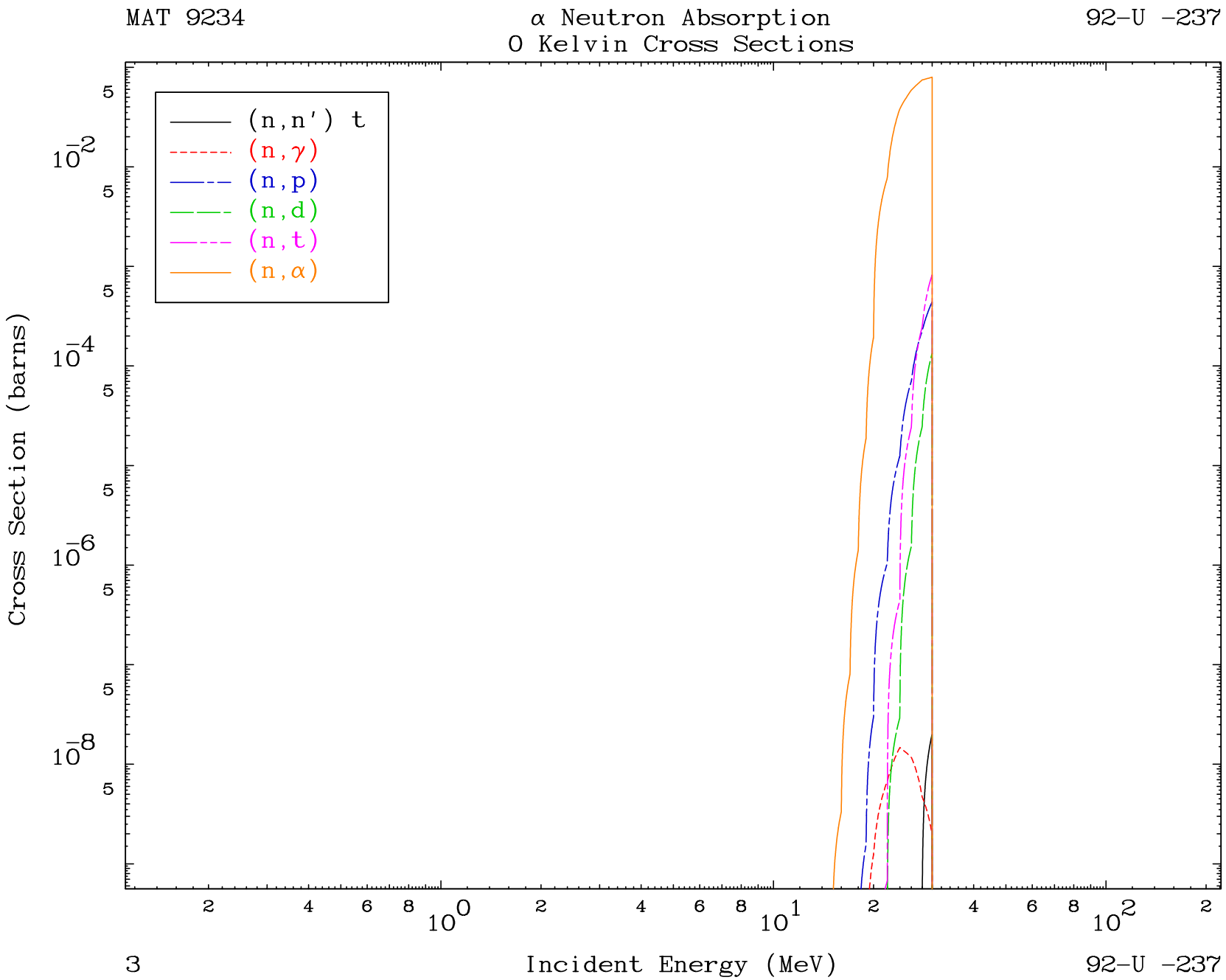
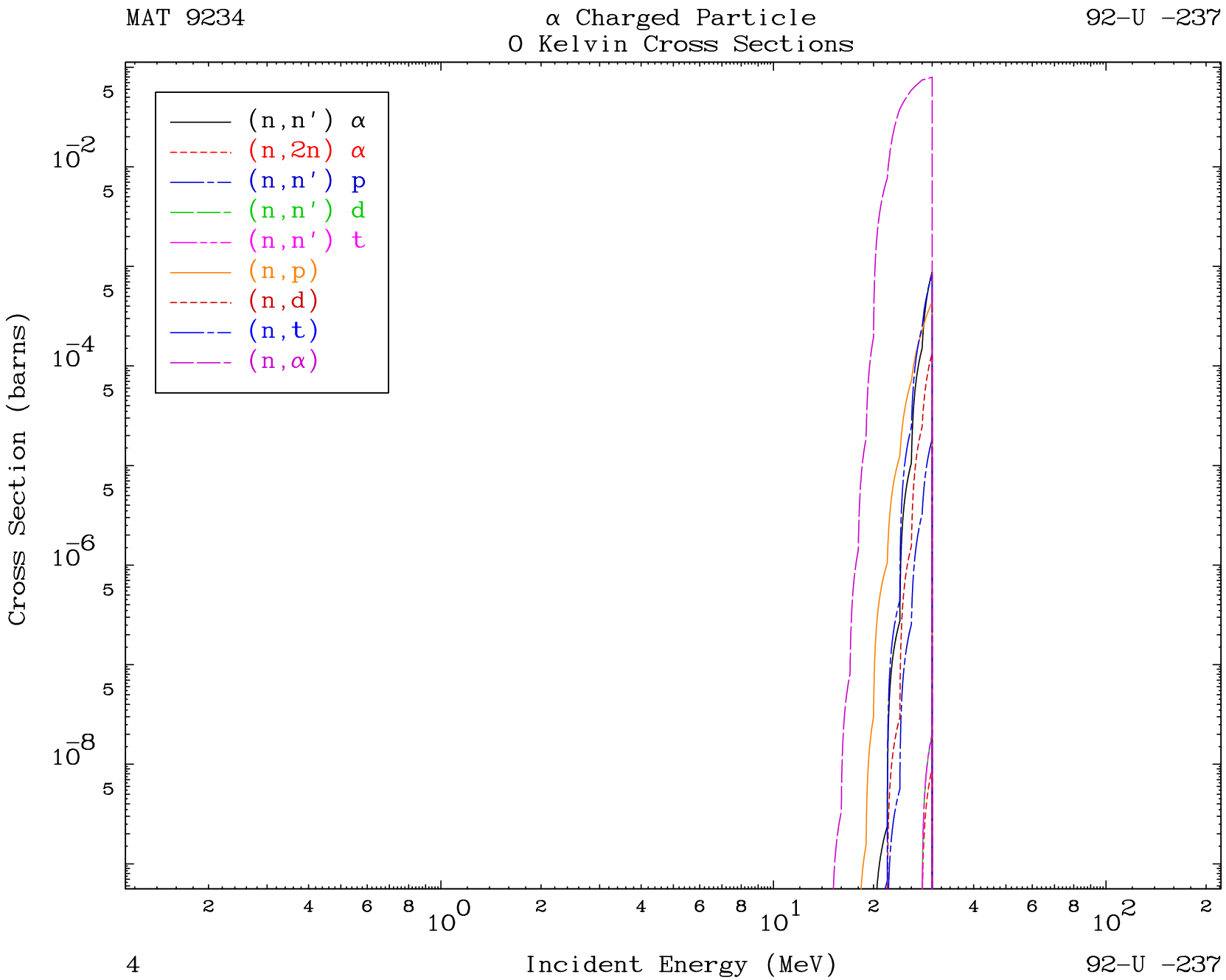
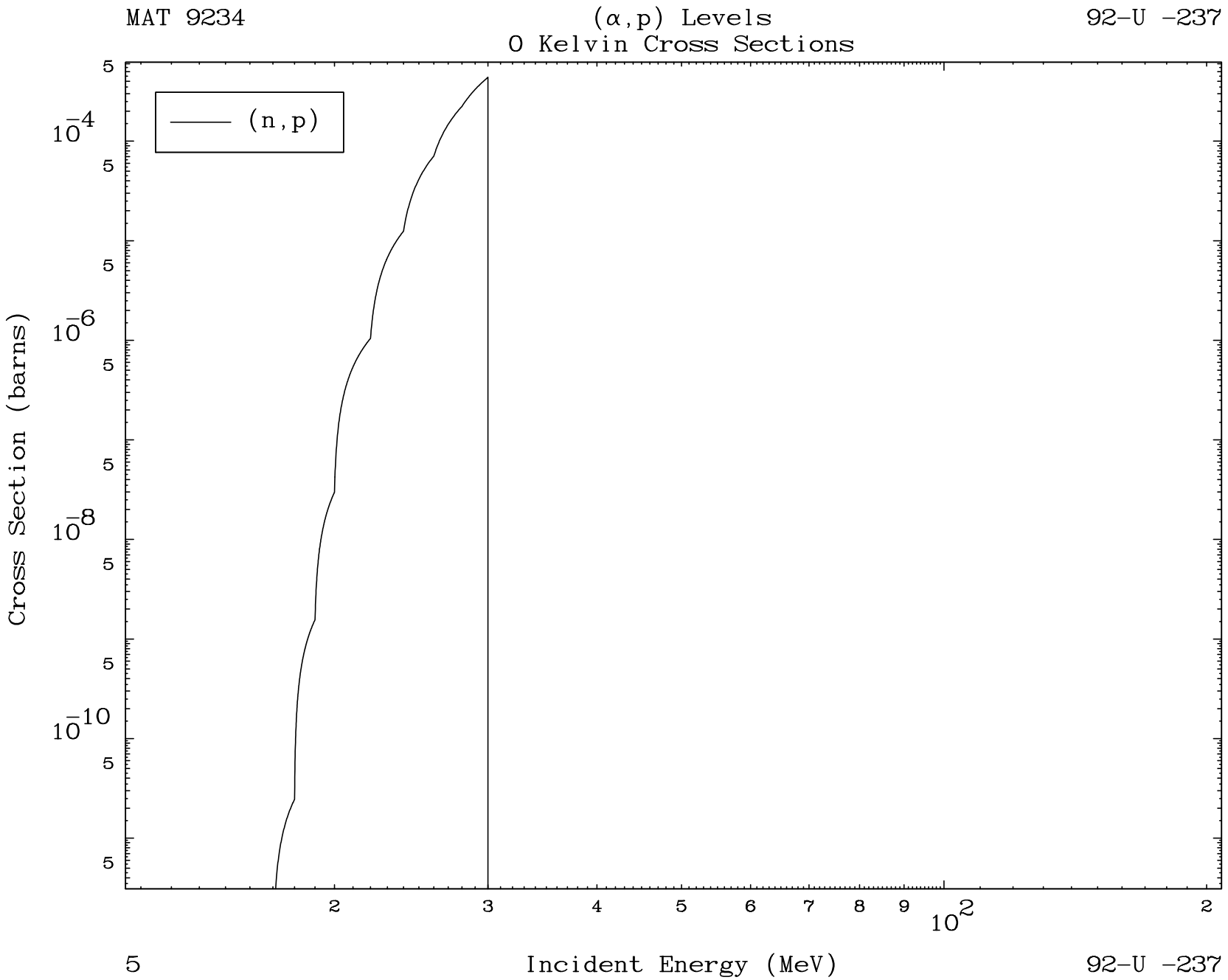
Press Mouse Button to Start

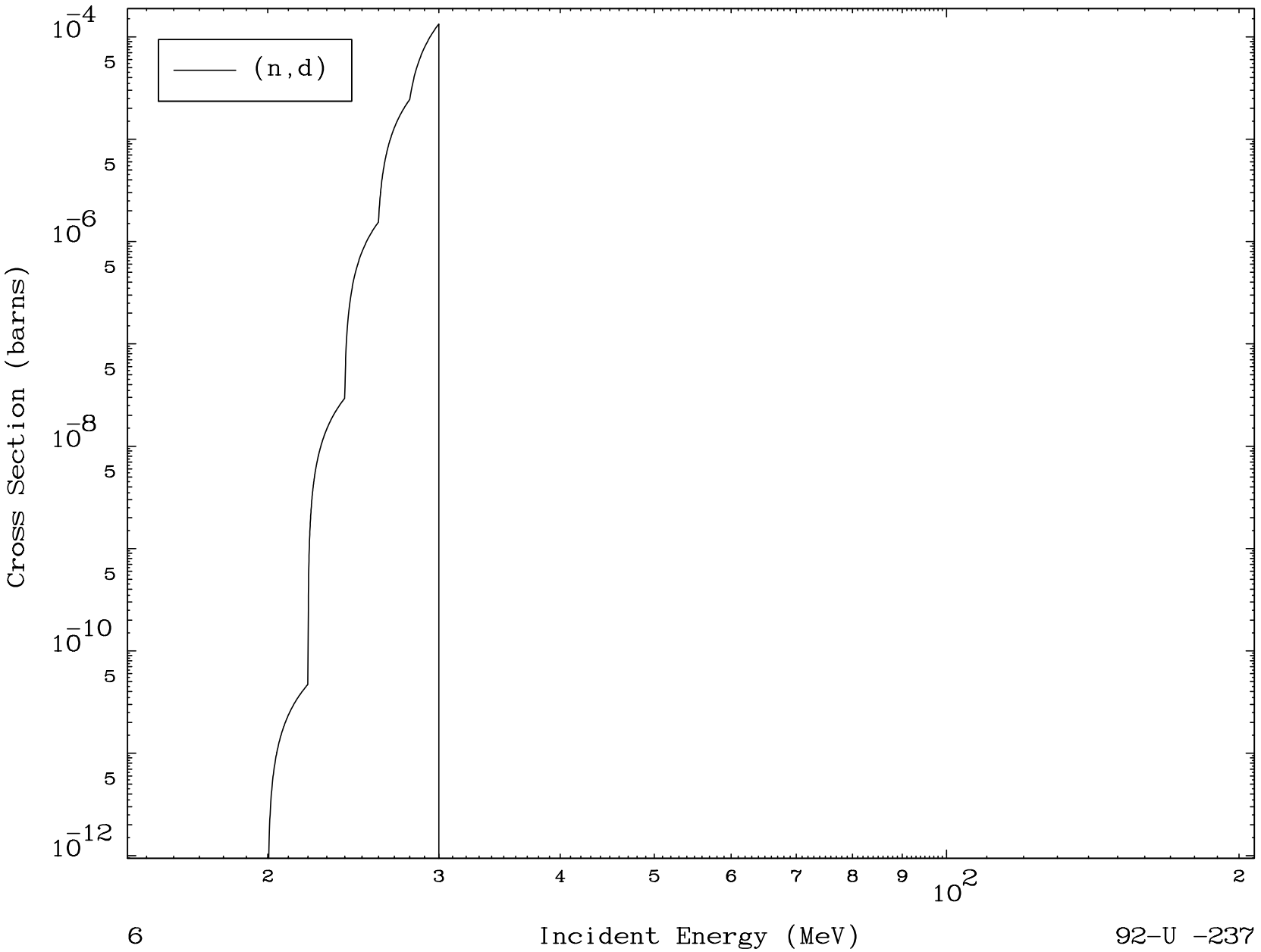

MAT 9234
α Major
92-U -237
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Cross Section (barns)
Incident Energy (MeV)
92-U -237

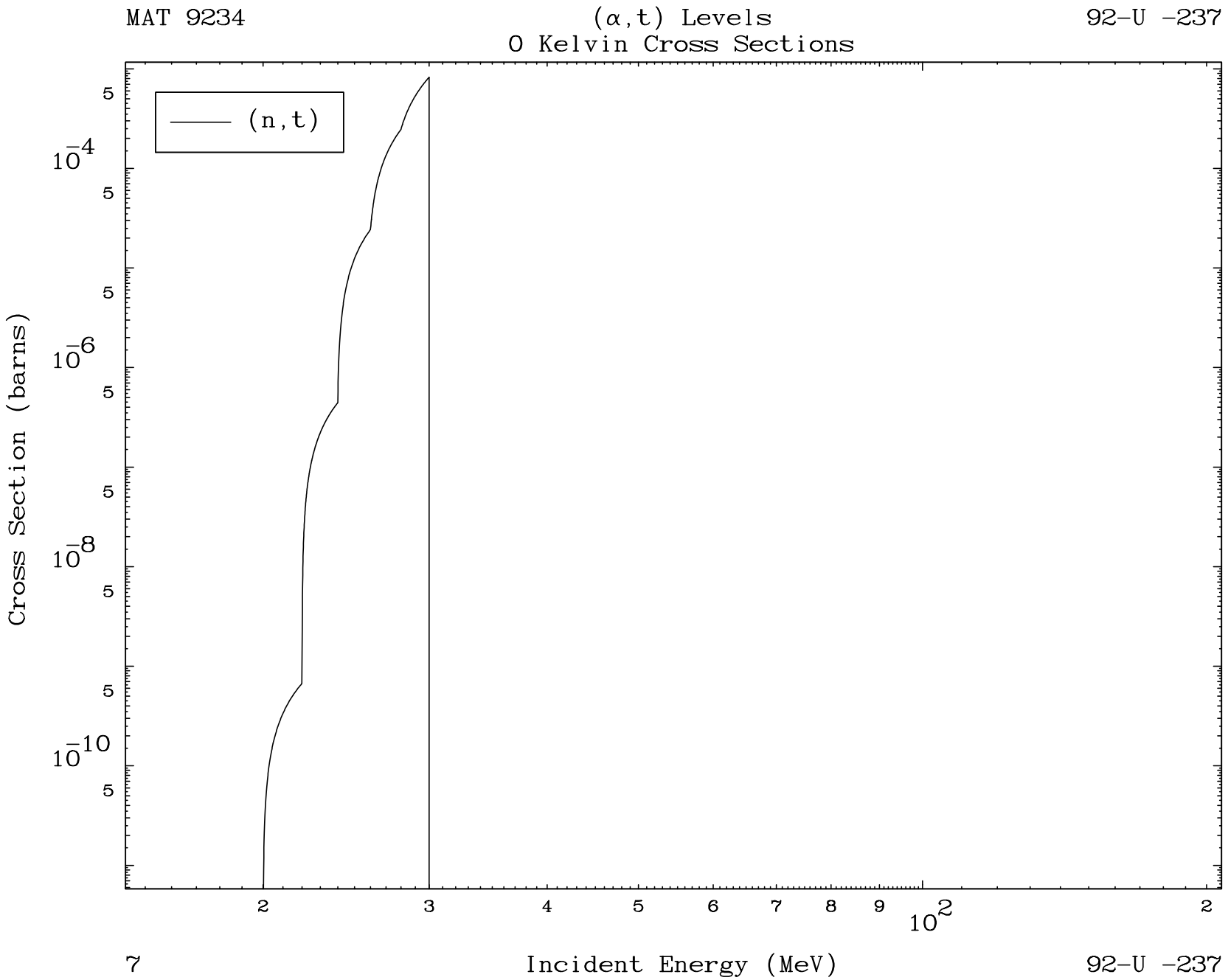

MAT 9234
α Neutron Absorption
0 Kelvin Cross Sections
92-U -237
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
92-U -237


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

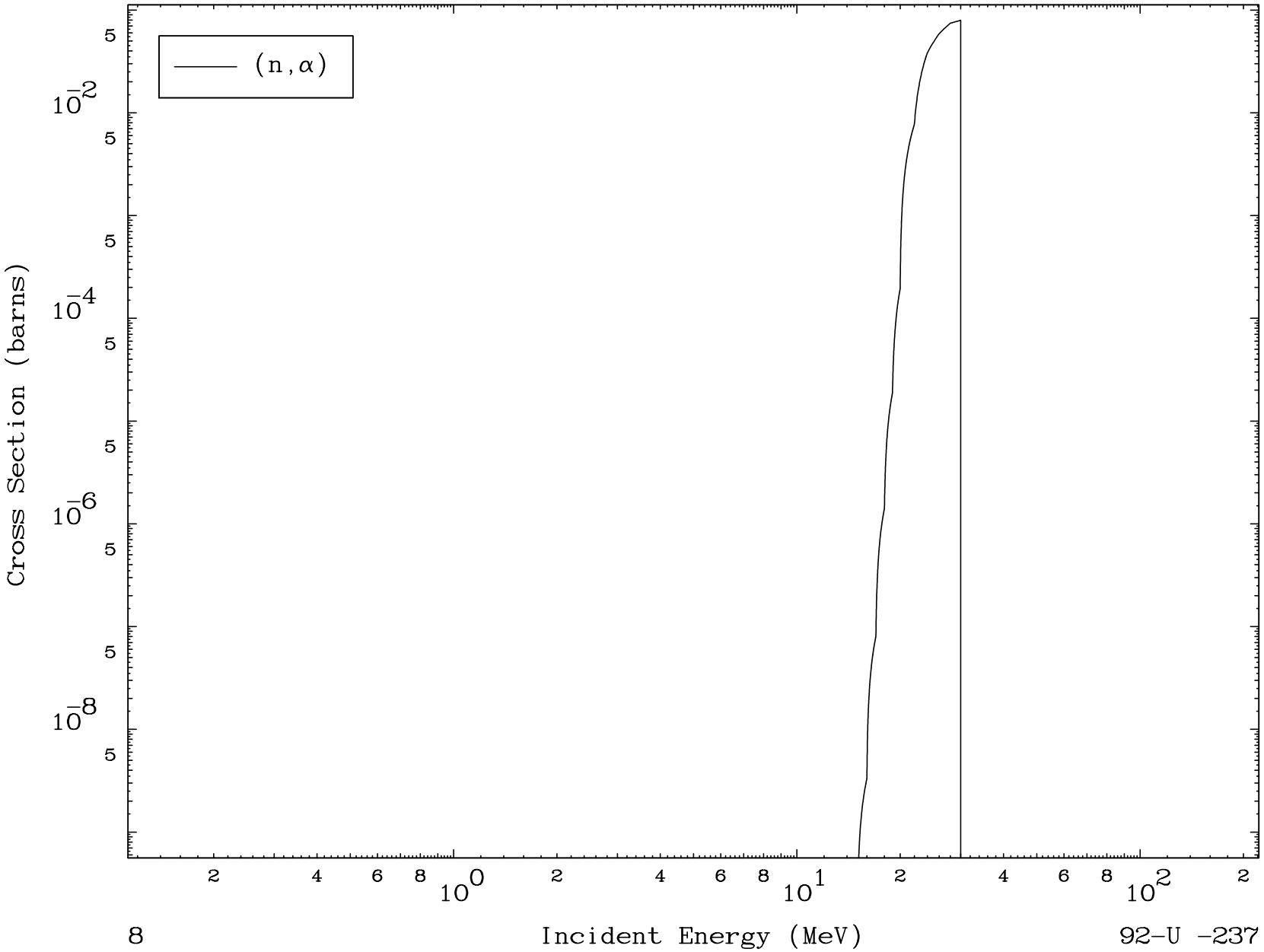

MAT 9234
α Charged Particle
0 Kelvin Cross Sections
92-U -237
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
92-U -237

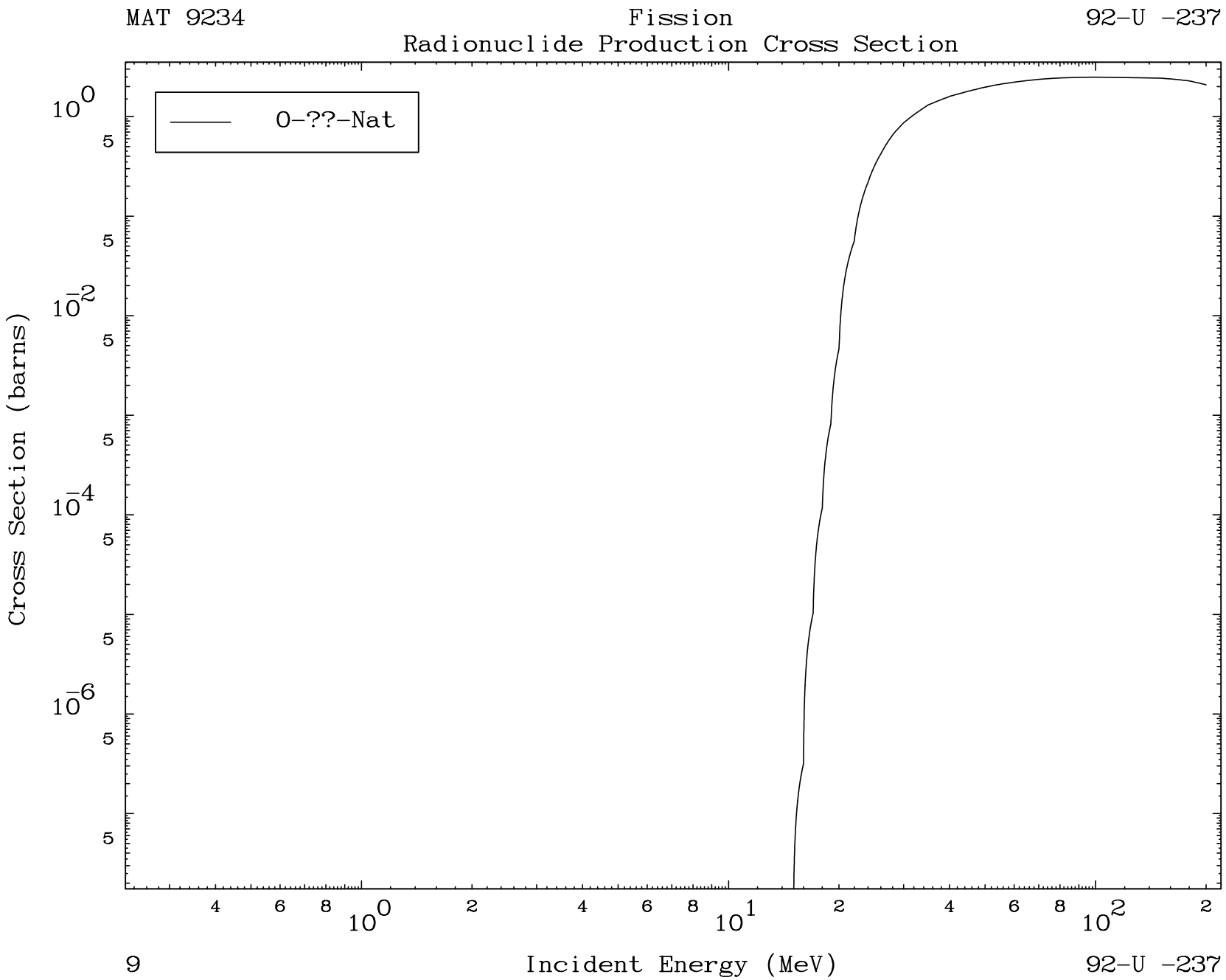

MAT 9234
(α,p) Levels
92-U -237
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
92-U -237

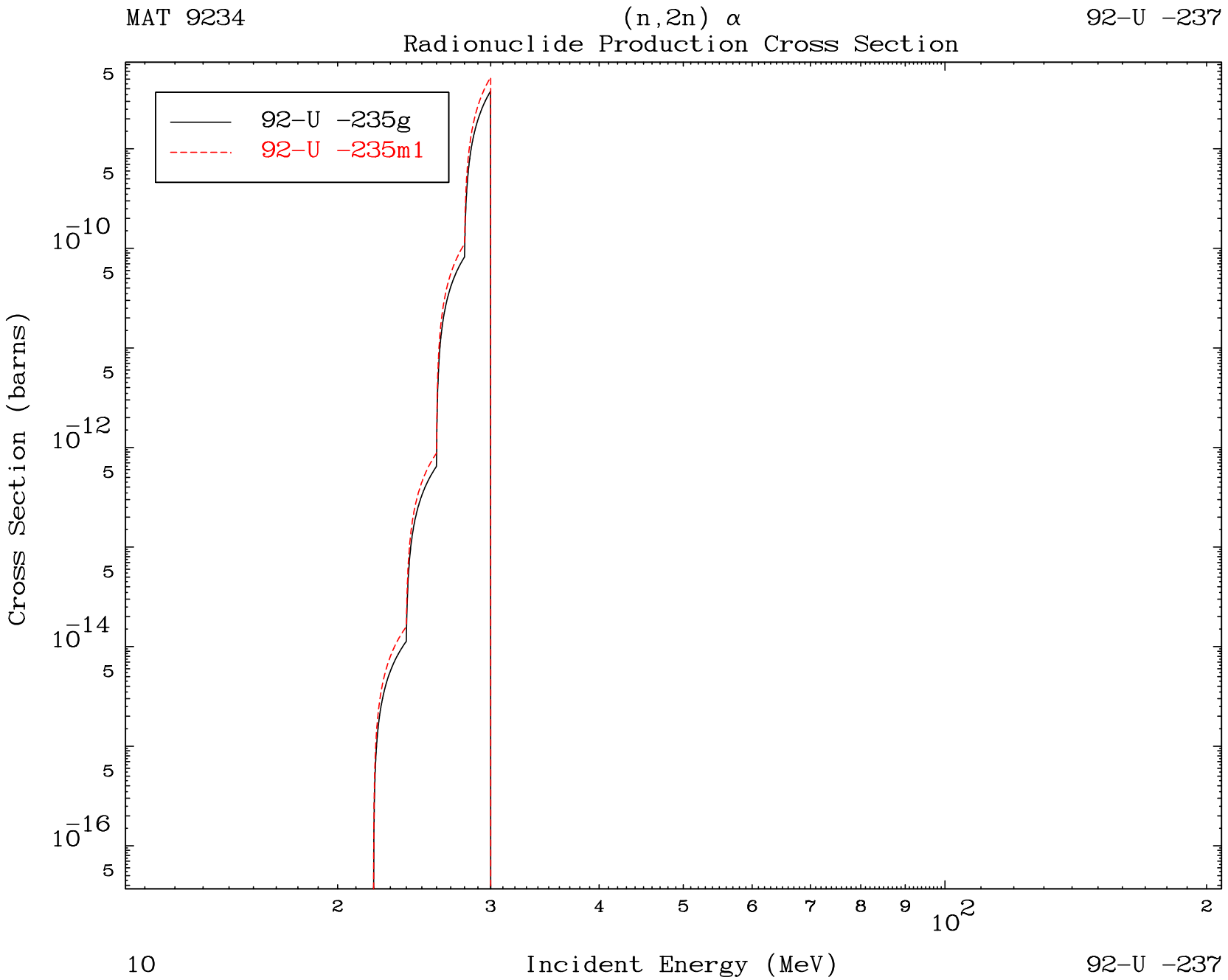

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

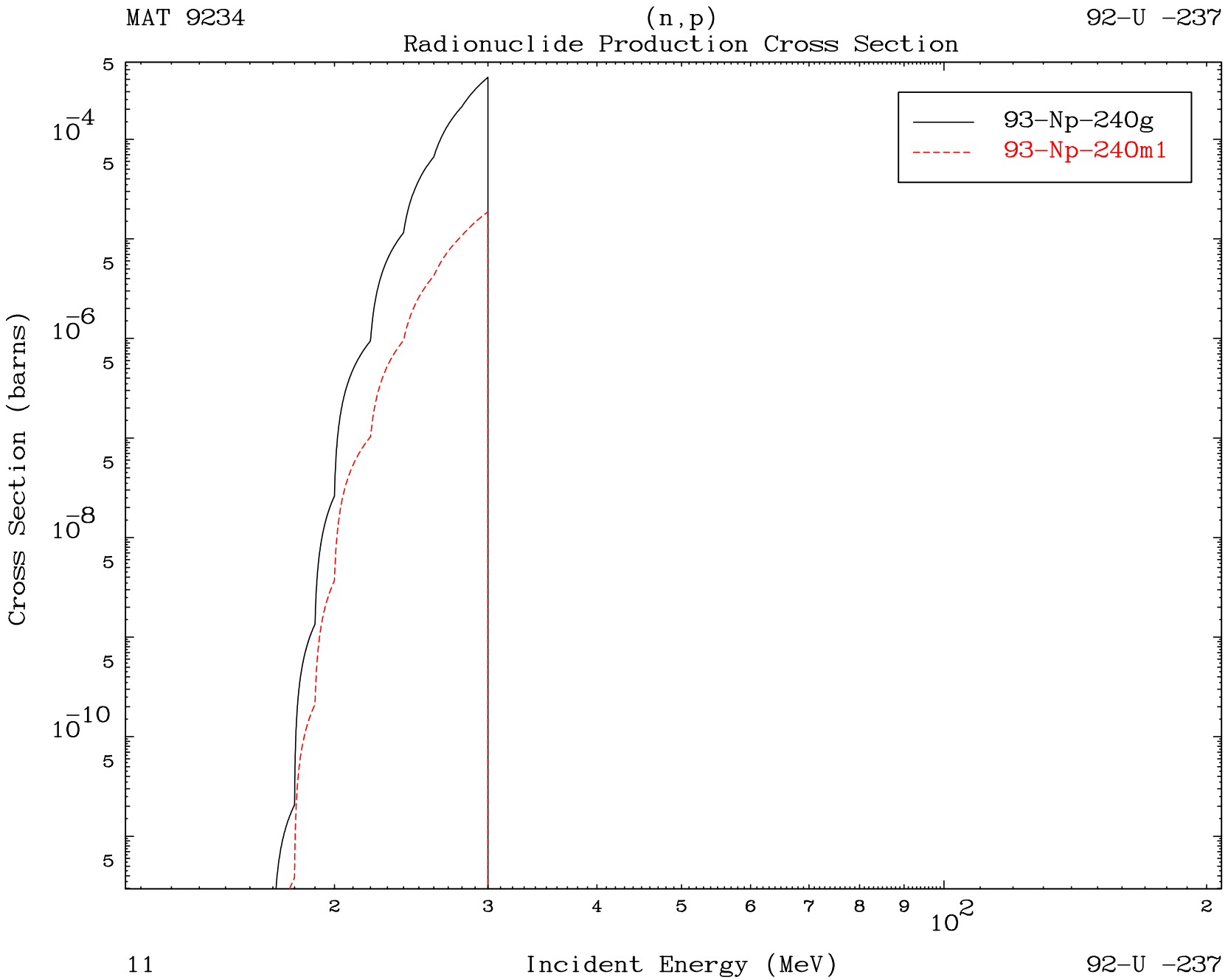

MAT 9234
(α,t) Levels
92-U -237
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
92-U -237

0 Kelvin Cross Sections




MAT 9234
Fission
92-U -237
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
92-U -237


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


MAT 9234
(n,p)
92-U -237
Radionuclide Production Cross Section
93-Np-240g
93-Np-240m1
Cross Section (barns)
Incident Energy (MeV)
11
92-U -237