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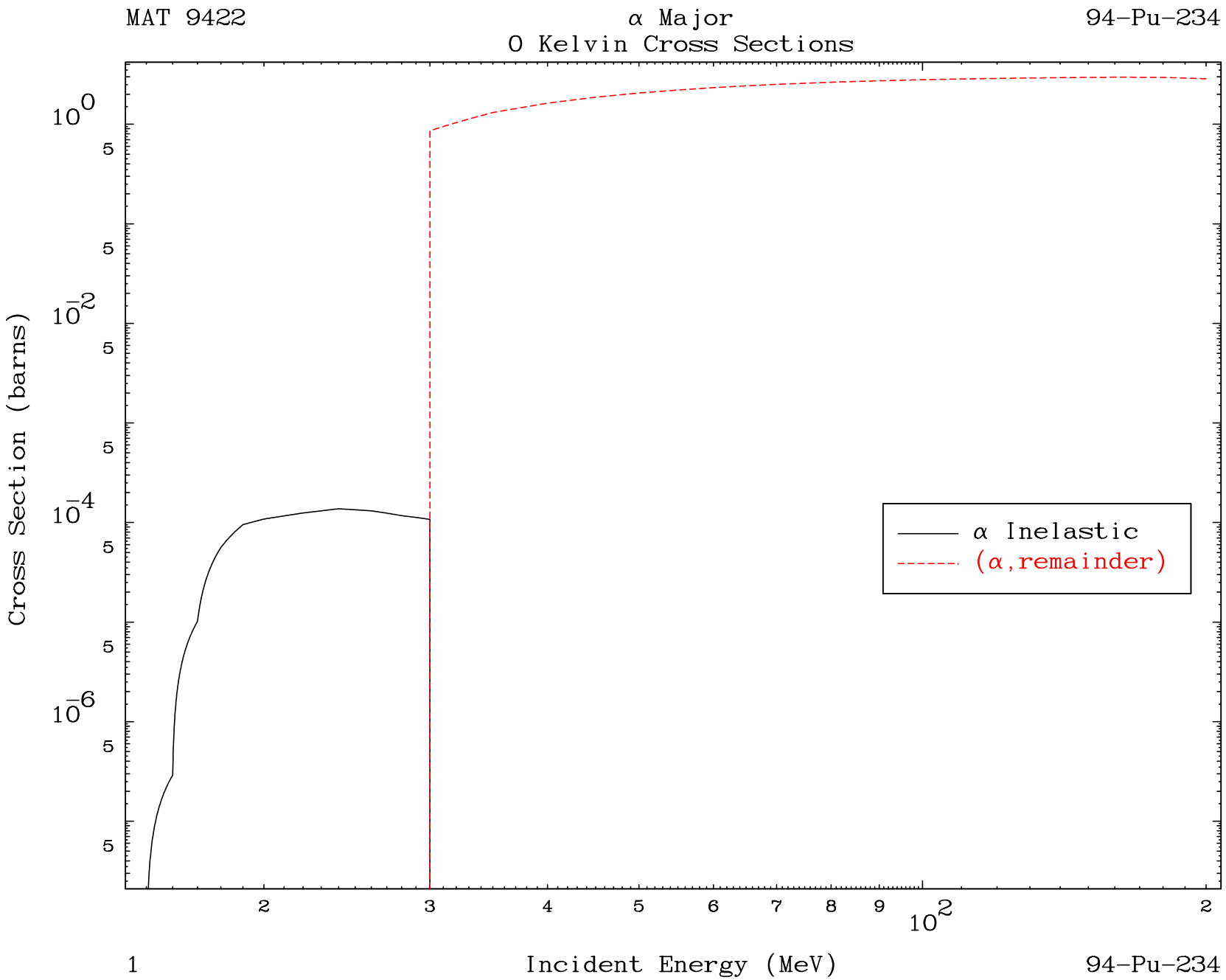
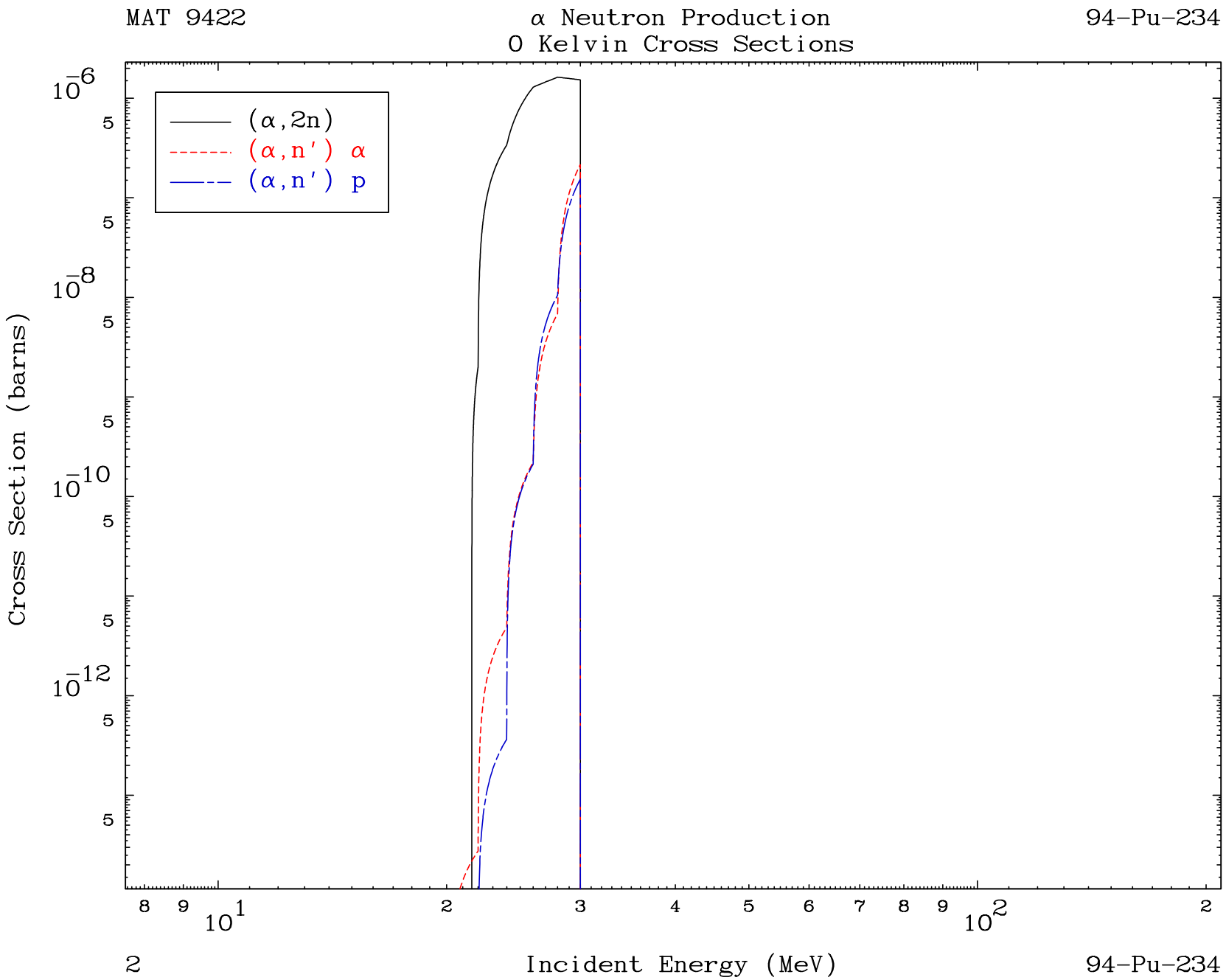
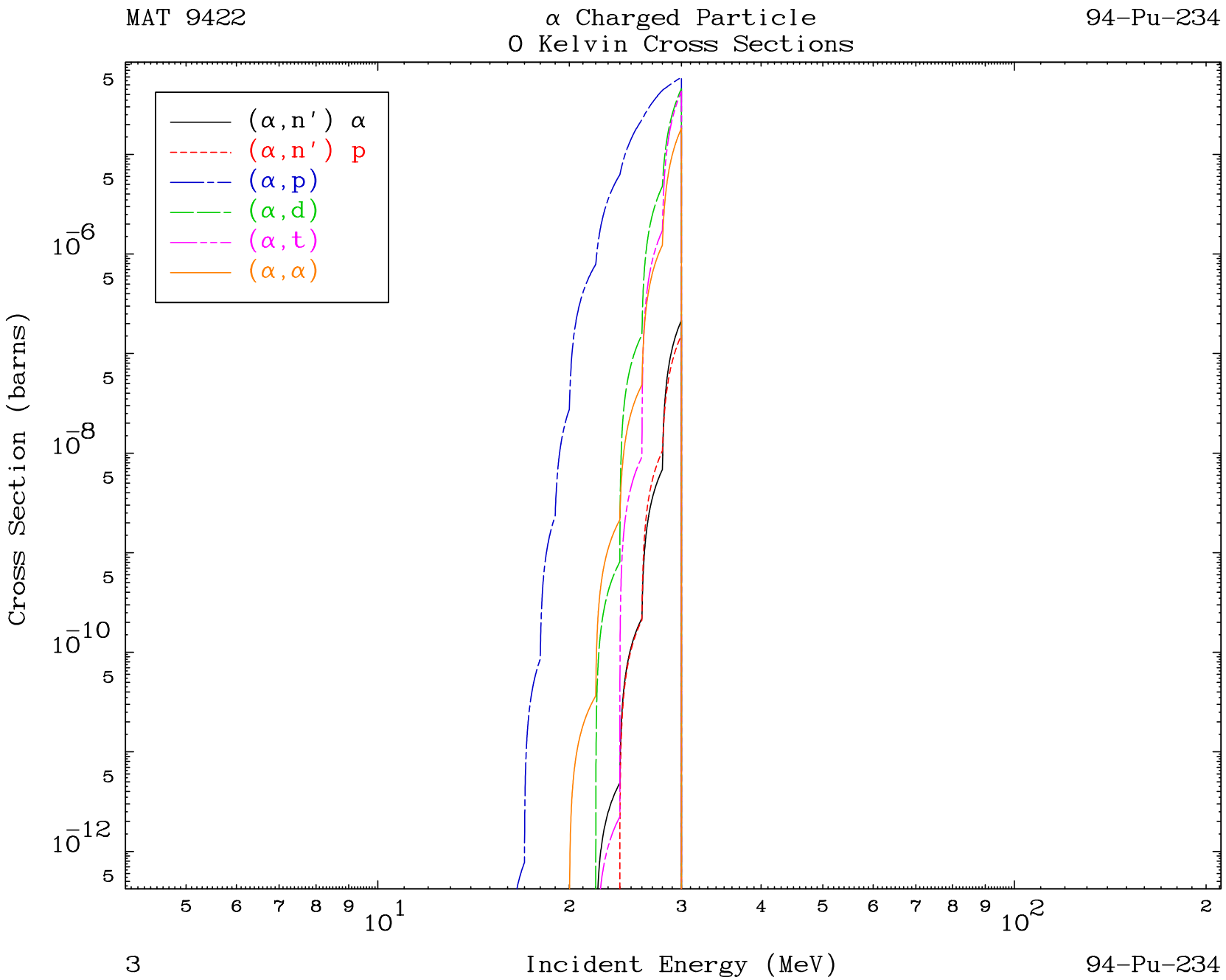
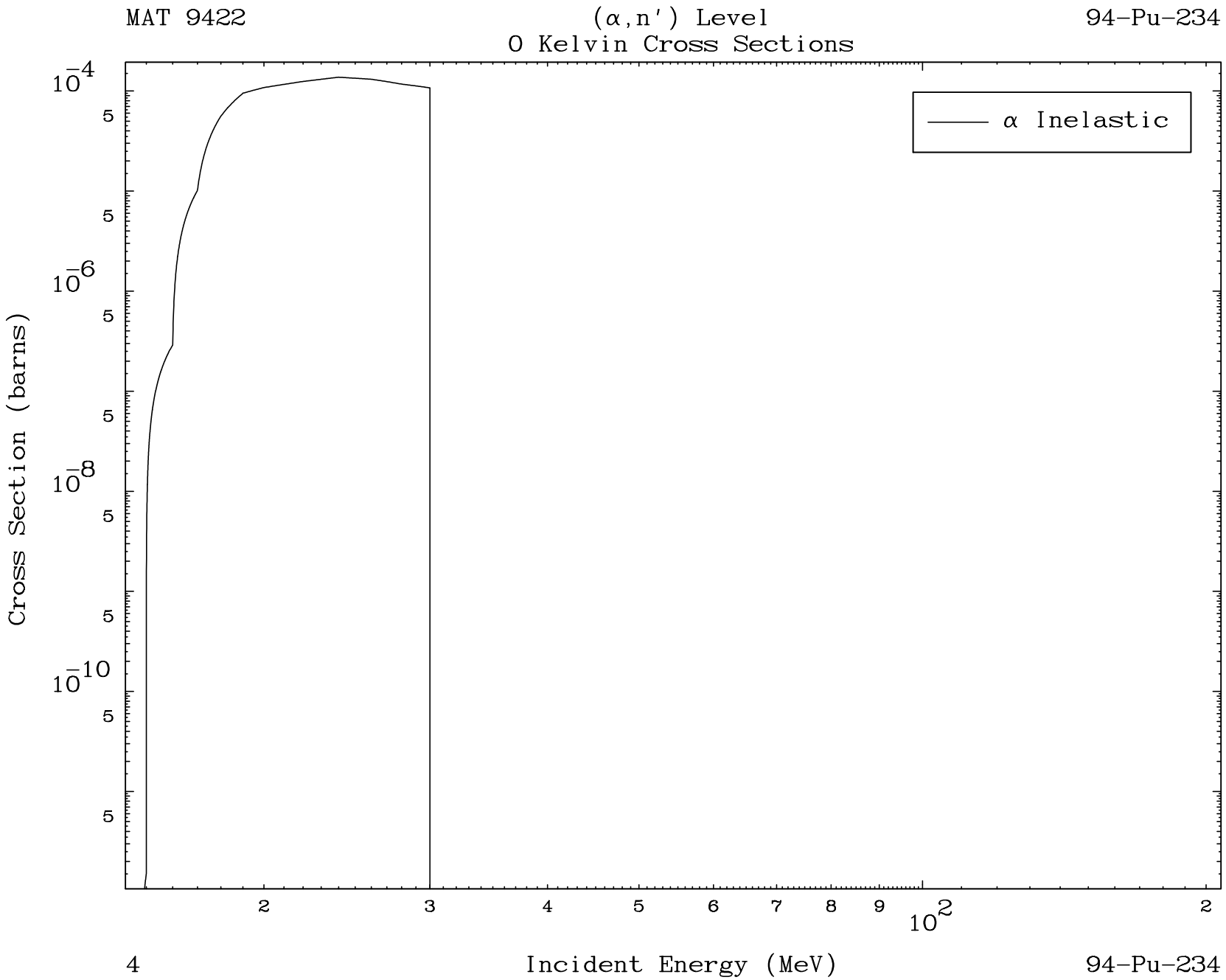
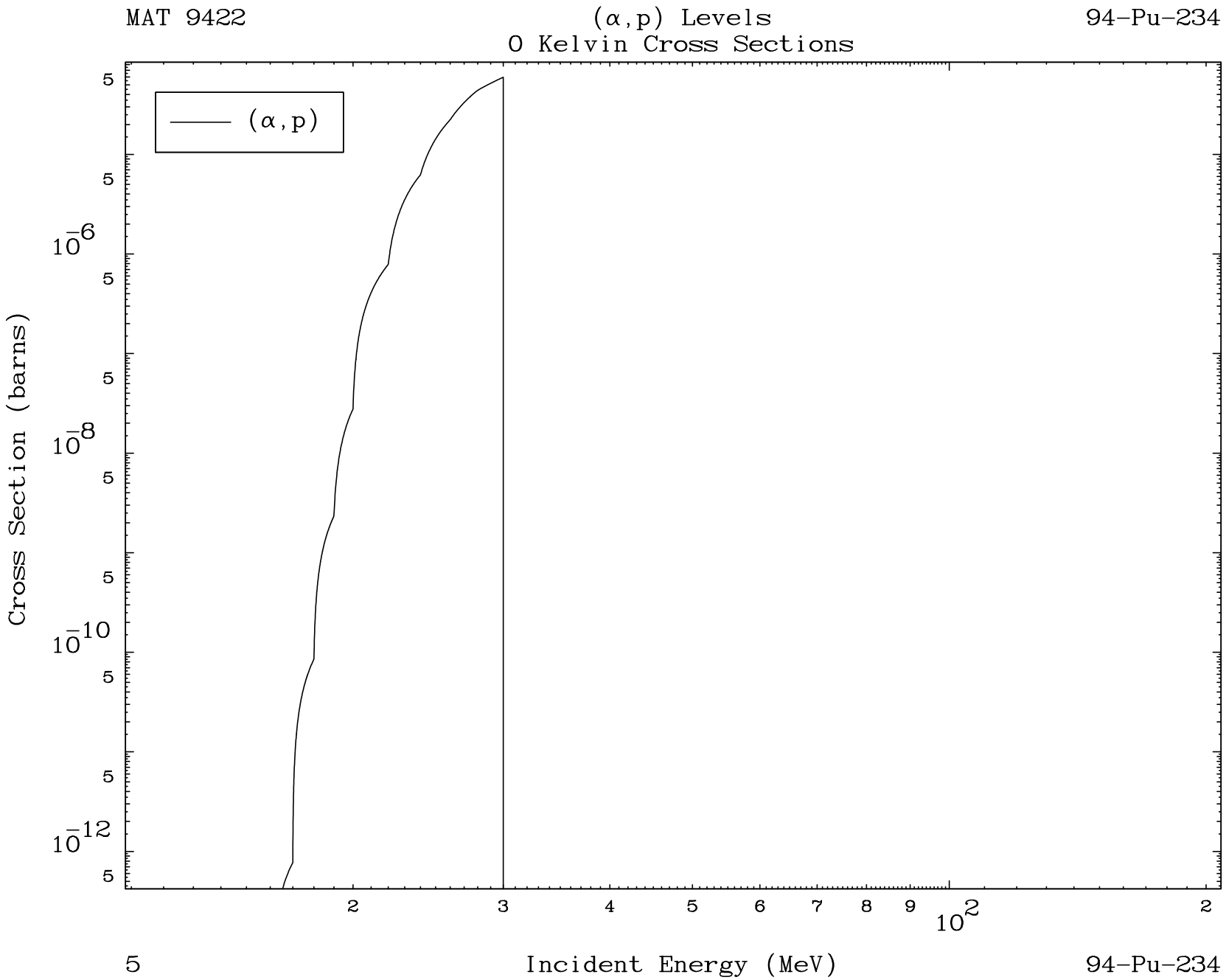
Press Mouse Button to Start


MAT 9422
α Major
94-Pu-234
0 Kelvin Cross Sections
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
2
3
4
6
7
8
9
10^2
1
Incident Energy (MeV)
94-Pu-234
α Inelastic
(α,remainder)

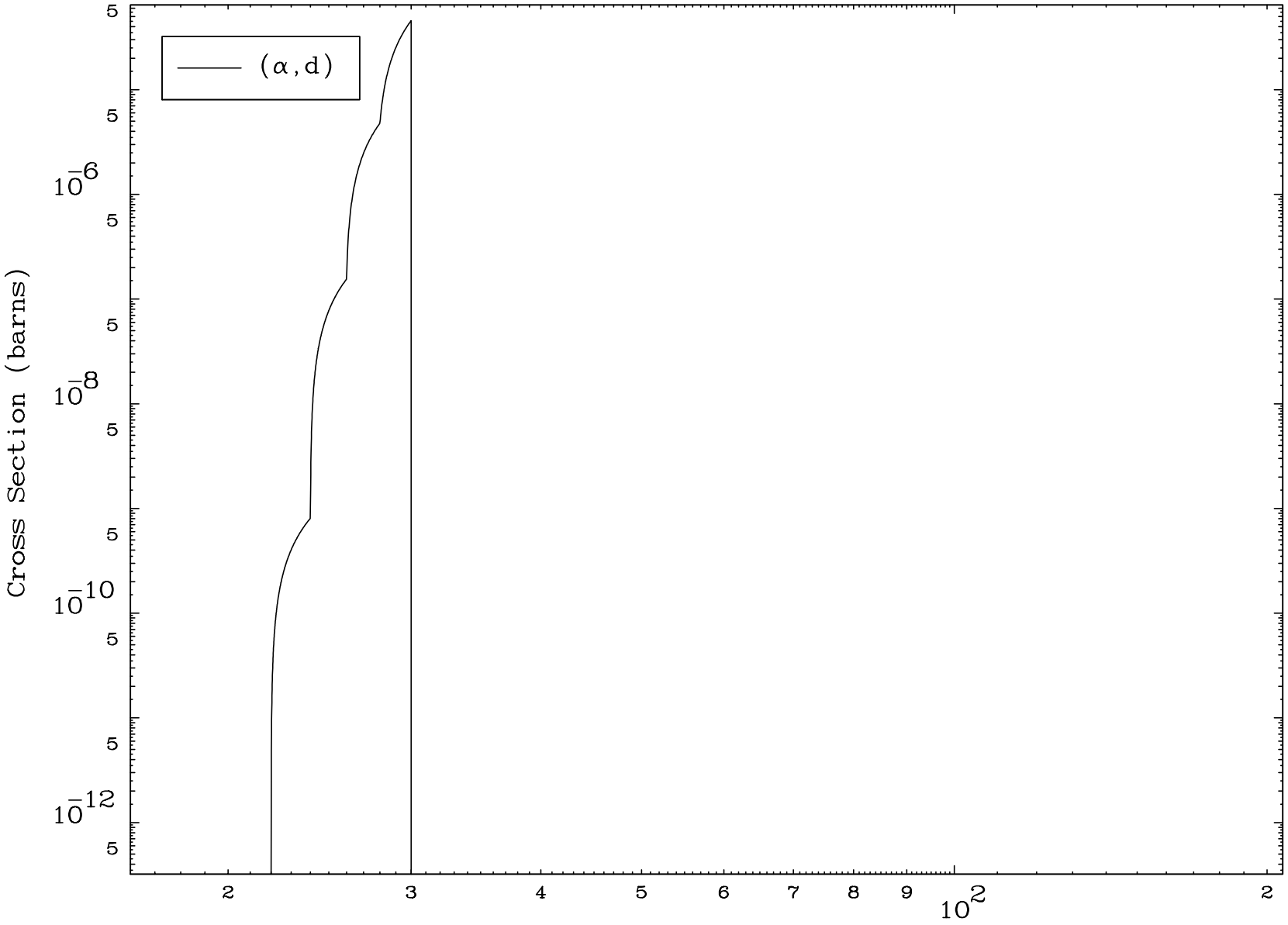

MAT 9422
α Neutron Production
0 Kelvin Cross Sections
94-Pu-234
(α,2n)
(α,n') α
(α,n') p
Cross Section (barns)
Incident Energy (MeV)
94-Pu-234

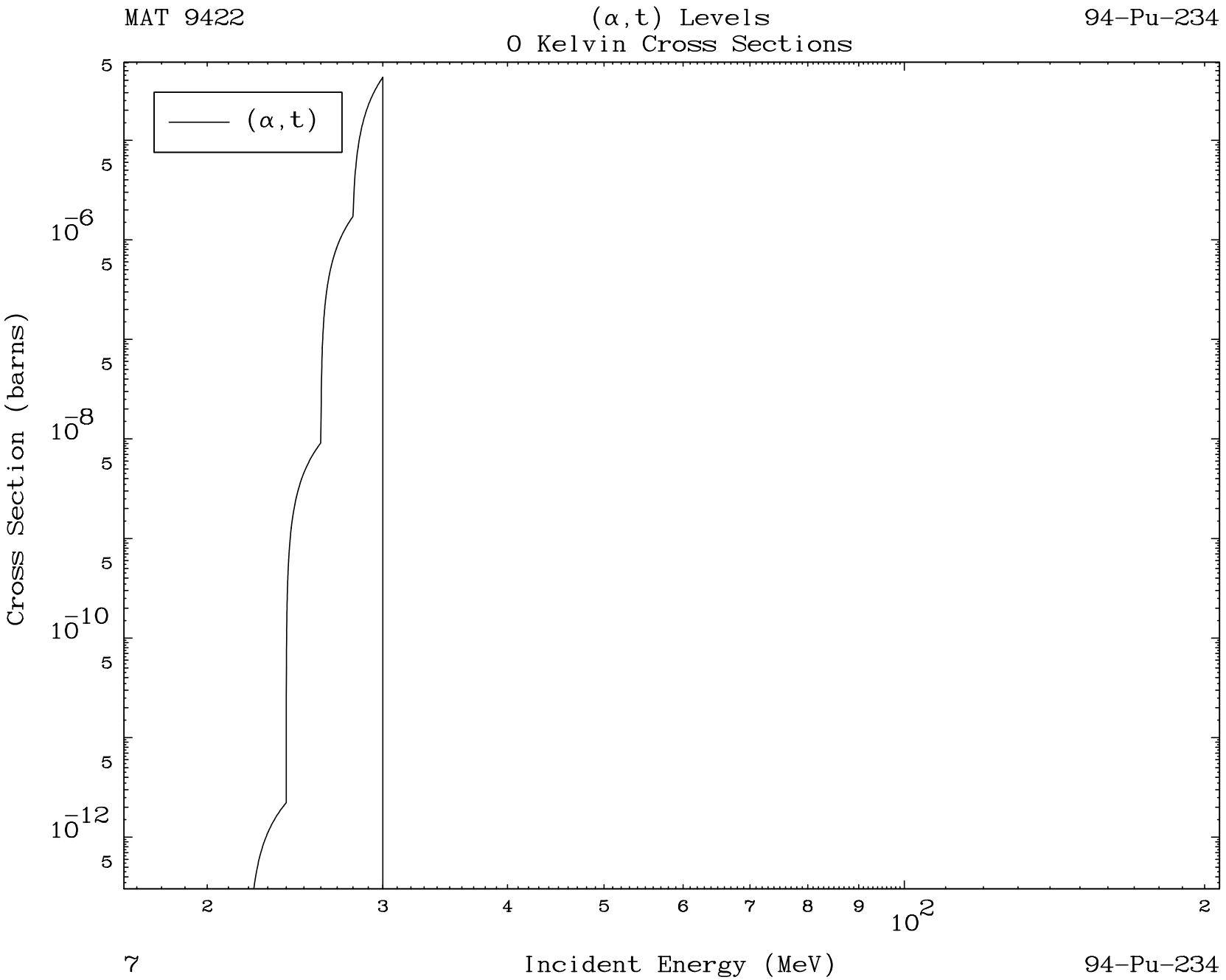

MAT 9422
α Charged Particle
0 Kelvin Cross Sections
94-Pu-234
(α,n') α
(α,n') p
(α,p)
(α,d)
(α,t)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
3
94-Pu-234

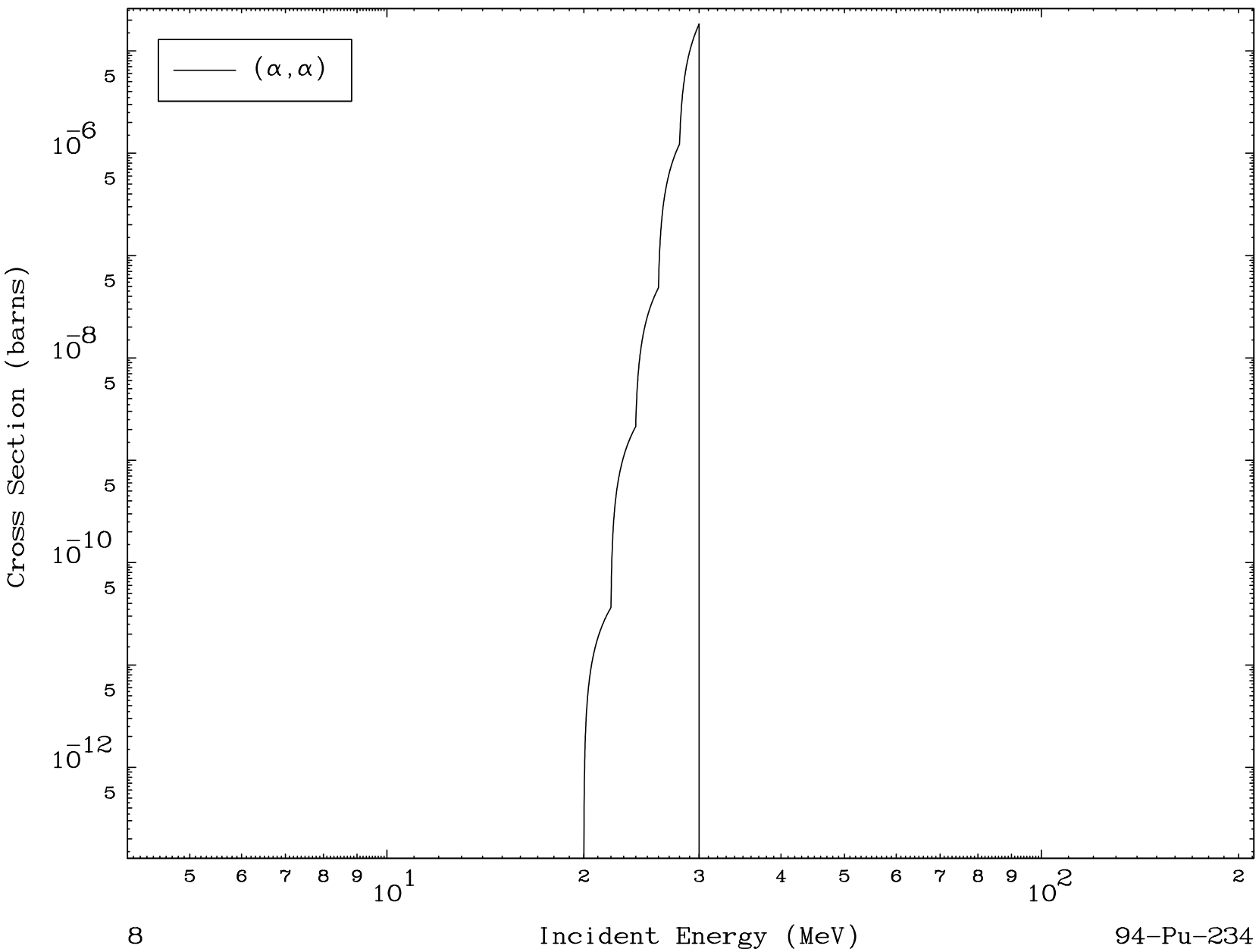

MAT 9422
(α,n') Level
94-Pu-234
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
4
94-Pu-234

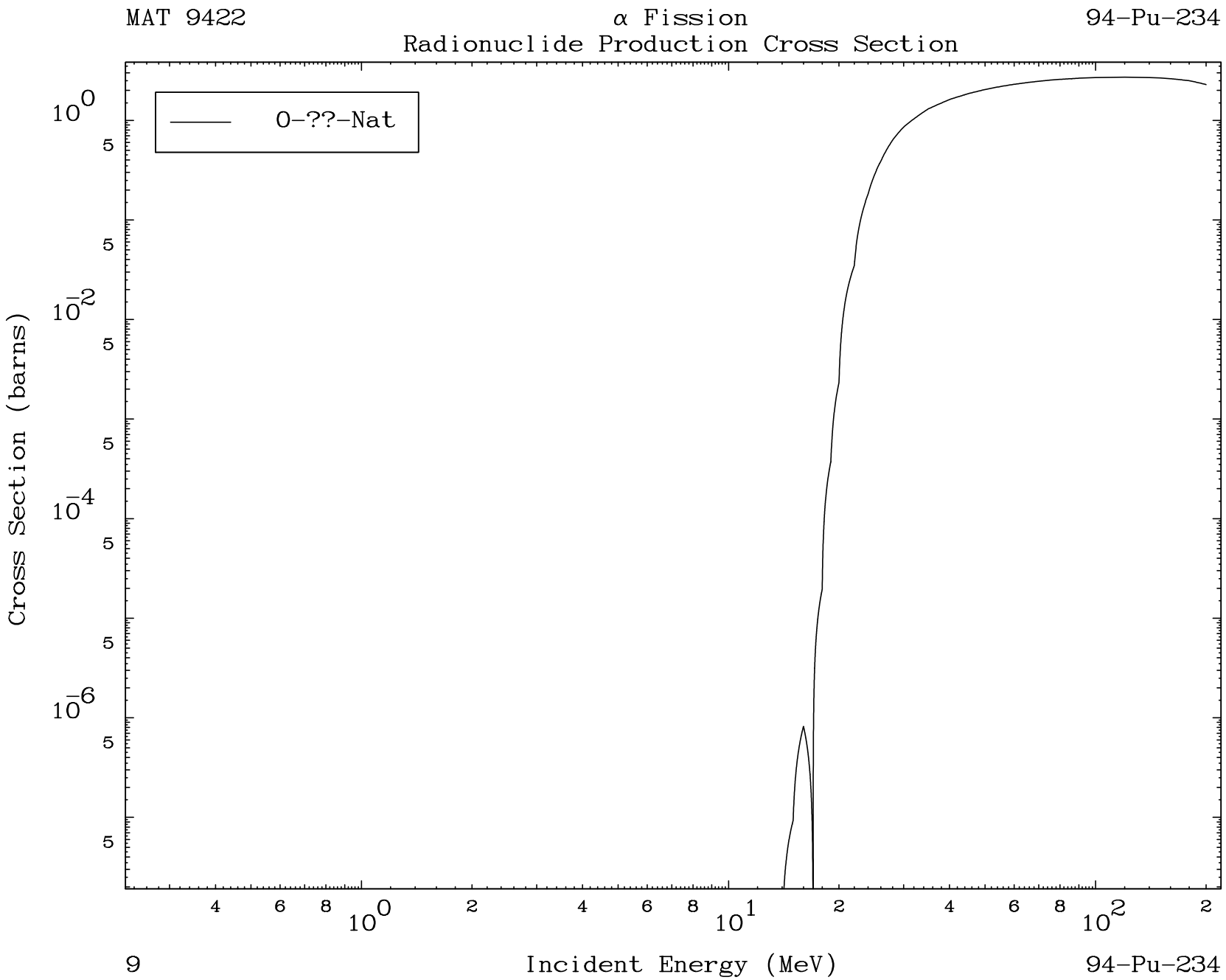

MAT 9422
(α,p) Levels
94-Pu-234
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
94-Pu-234

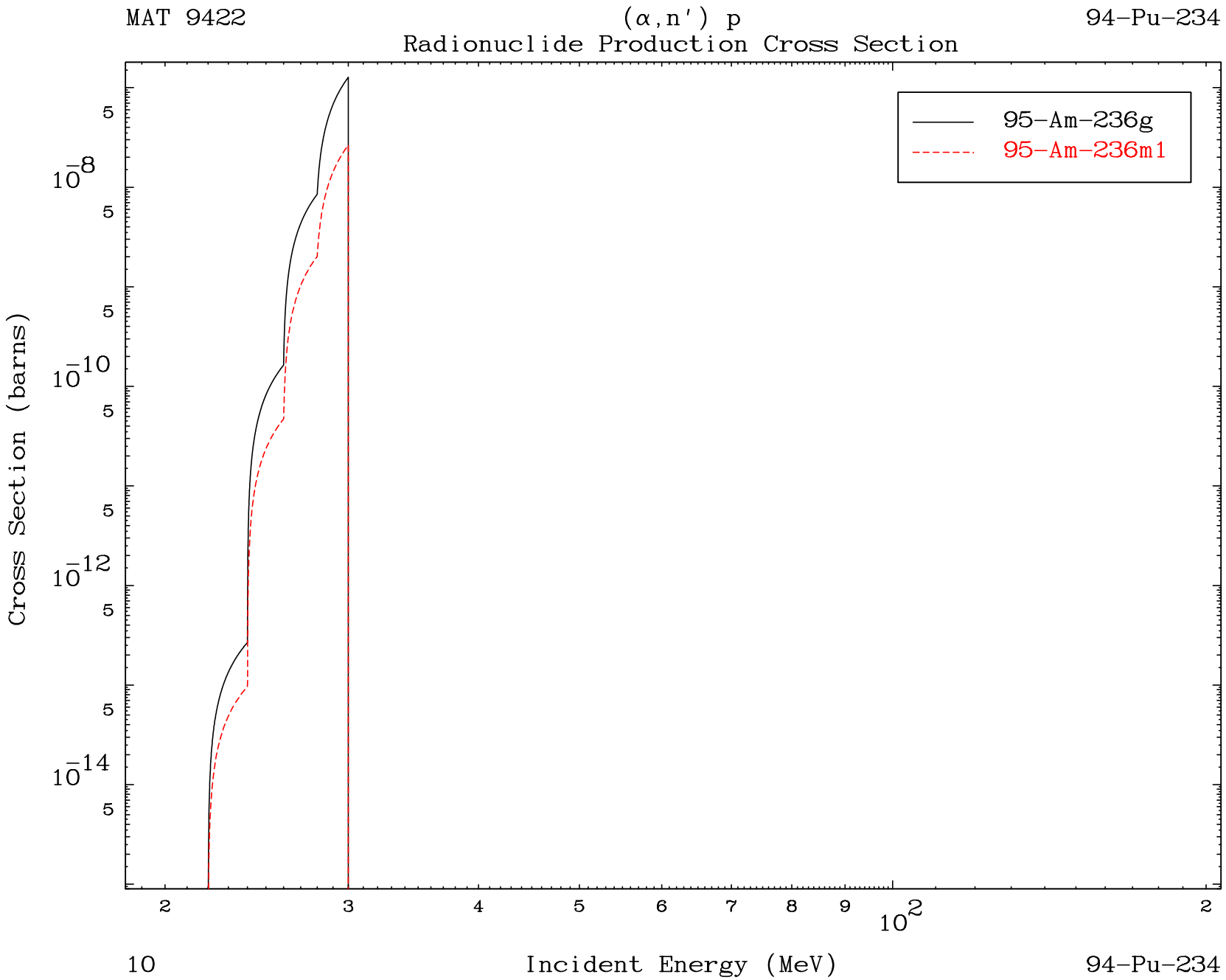
0 Kelvin Cross Sections

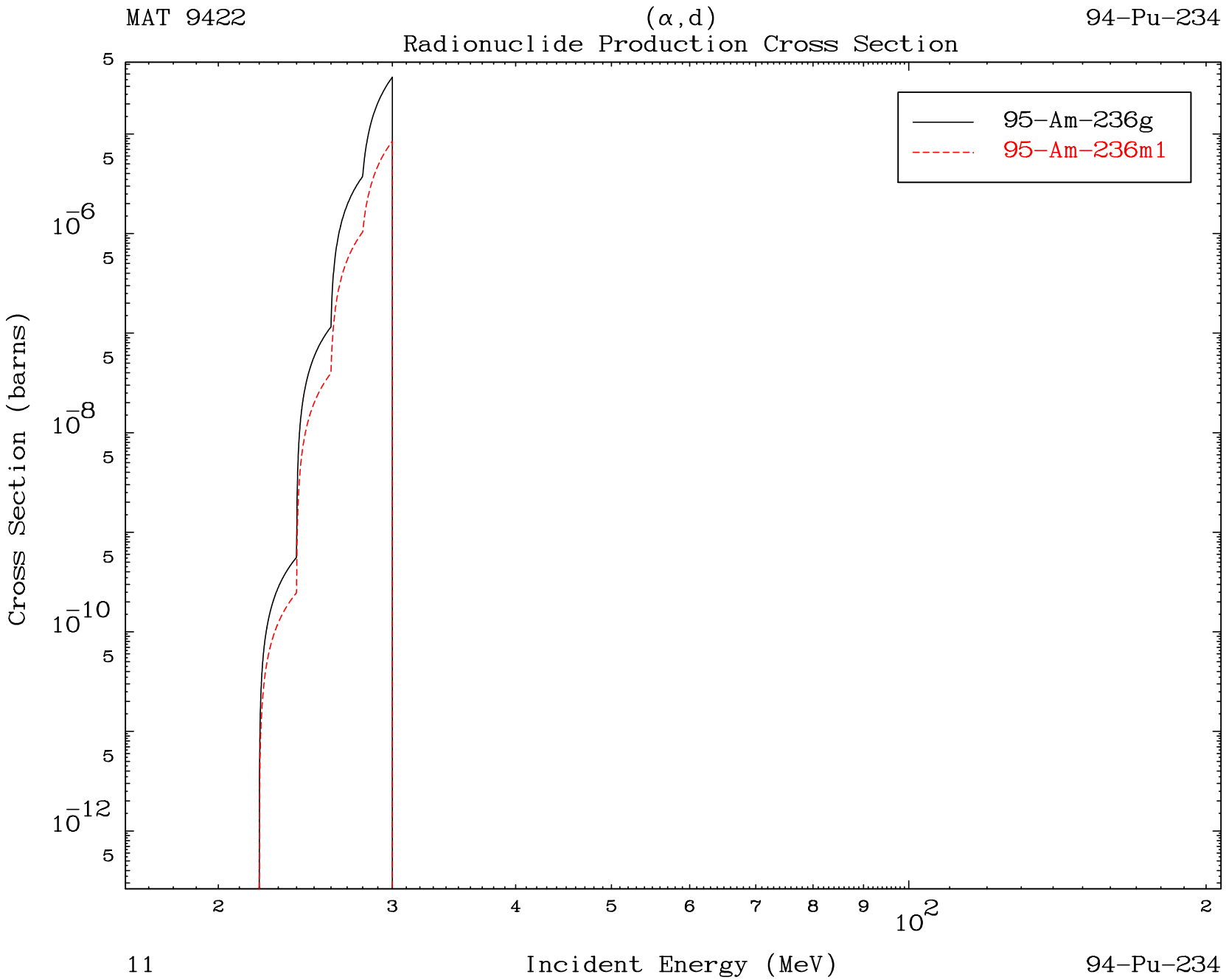



MAT 9422
(α,t) Levels
94-Pu-234
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
94-Pu-234


0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 9422
α Fission
94-Pu-234
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
94-Pu-234


MAT 9422
(α,n') p
94-Pu-234
Radionuclide Production Cross Section
95-Am-236g
95-Am-236m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
94-Pu-234


MAT 9422
(α,d)
94-Pu-234
Radionuclide Production Cross Section
95-Am-236g
95-Am-236m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
94-Pu-234