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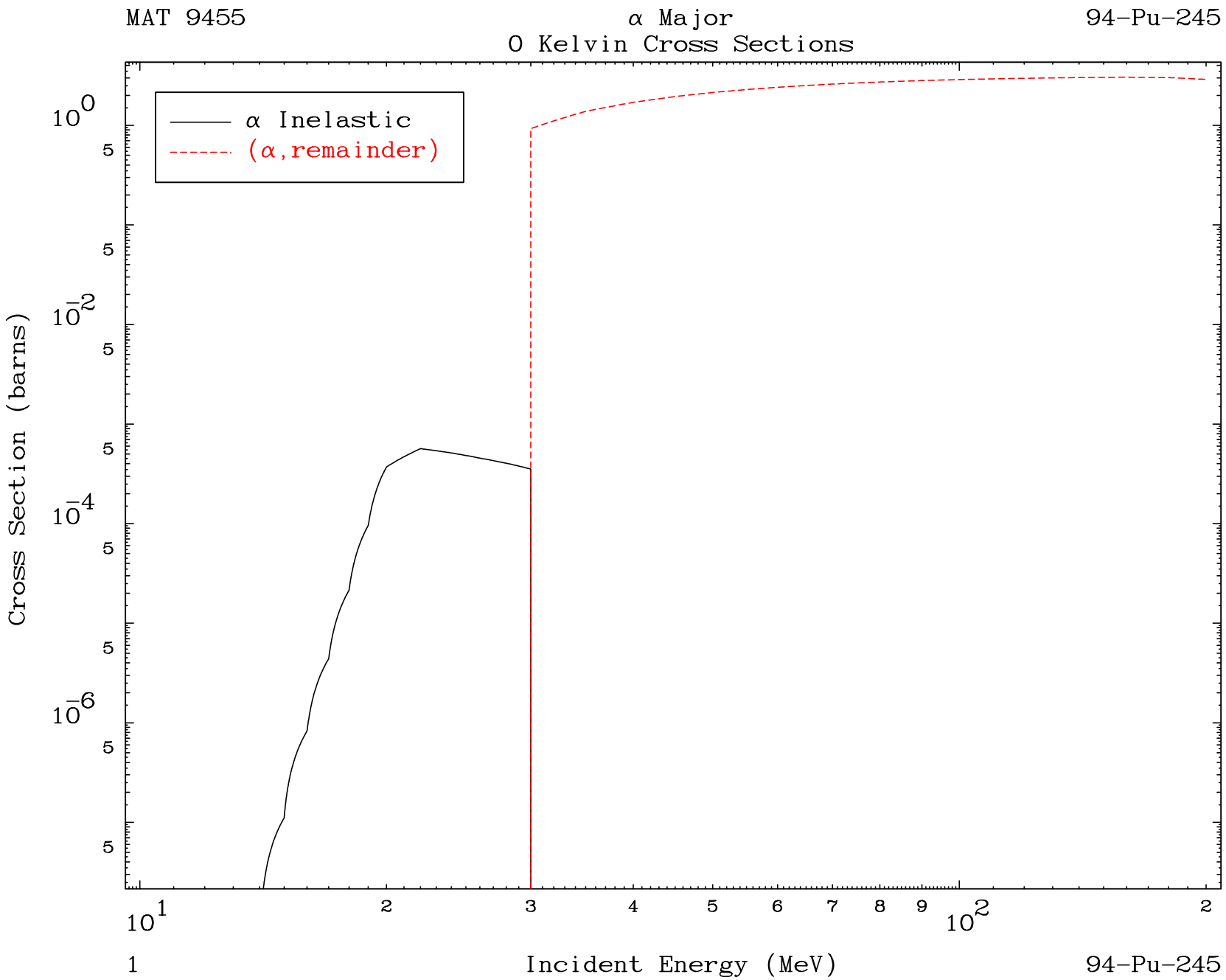
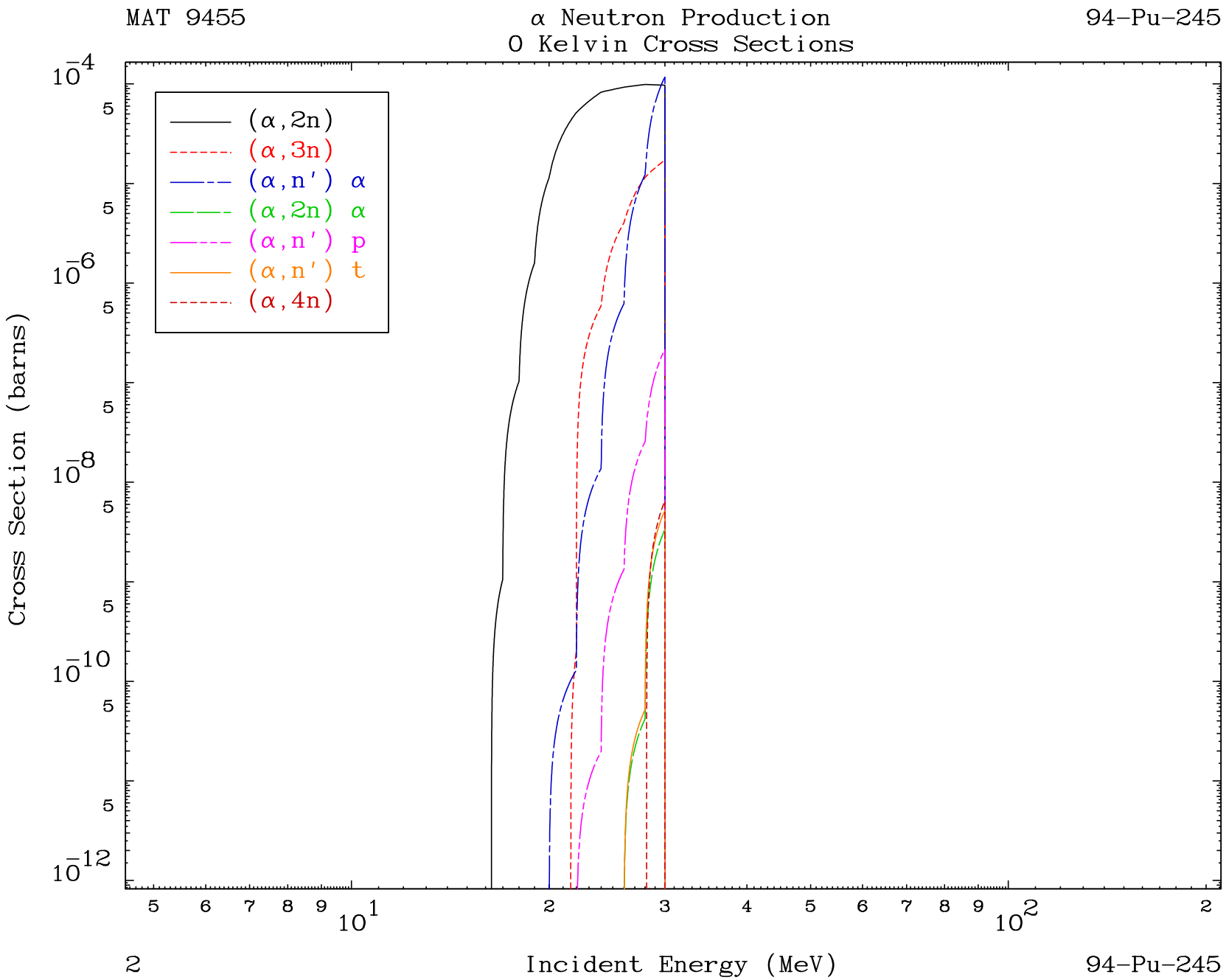
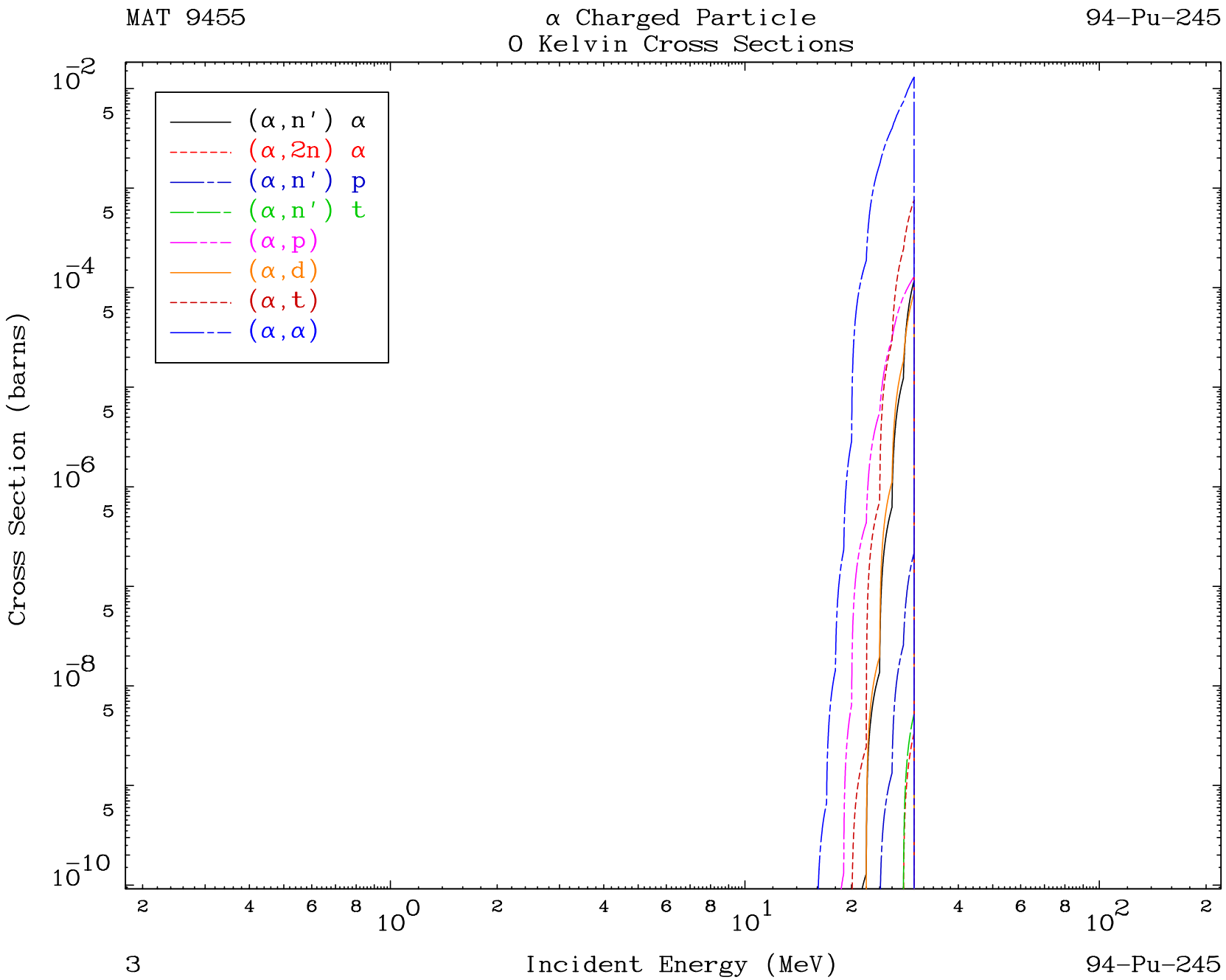
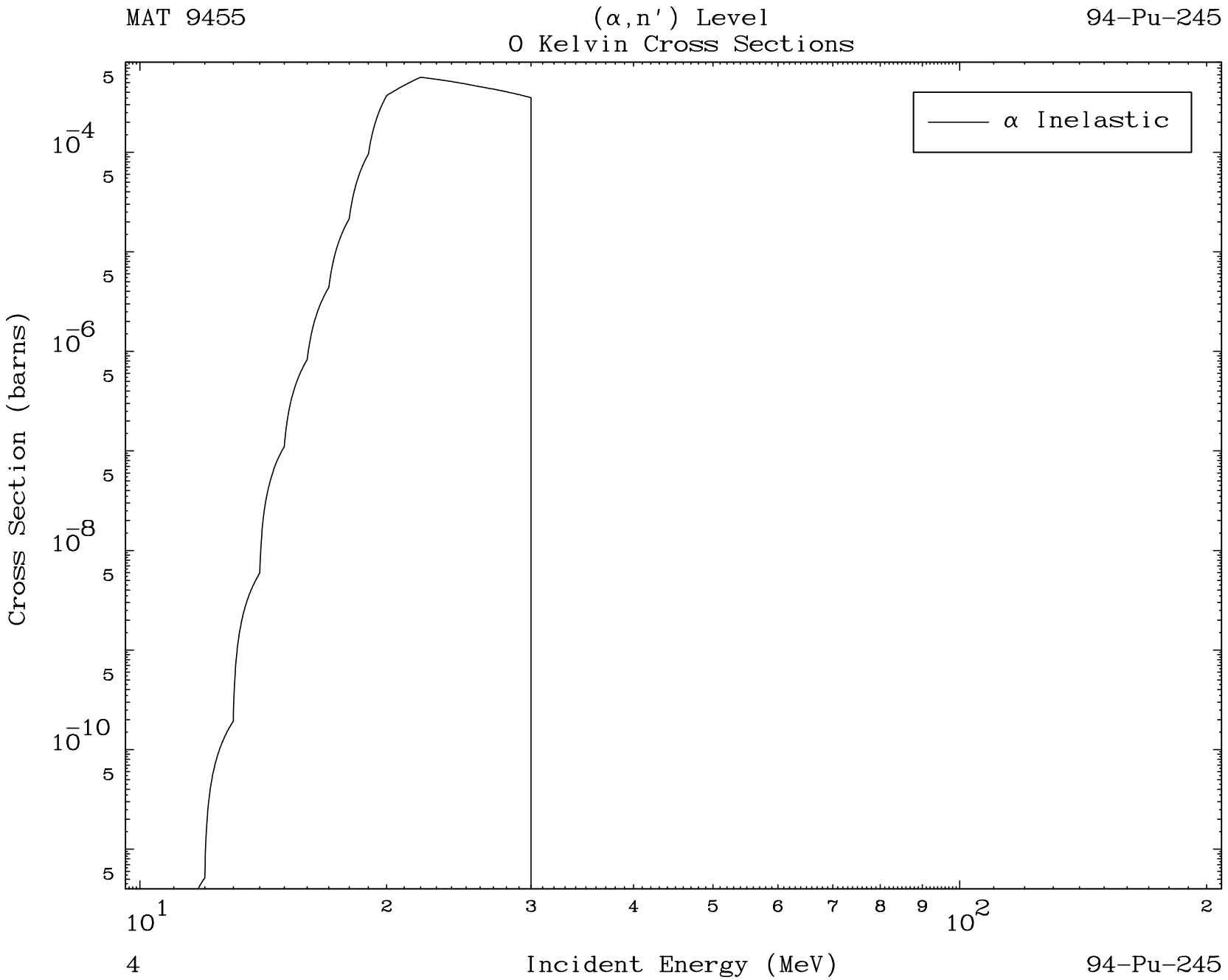
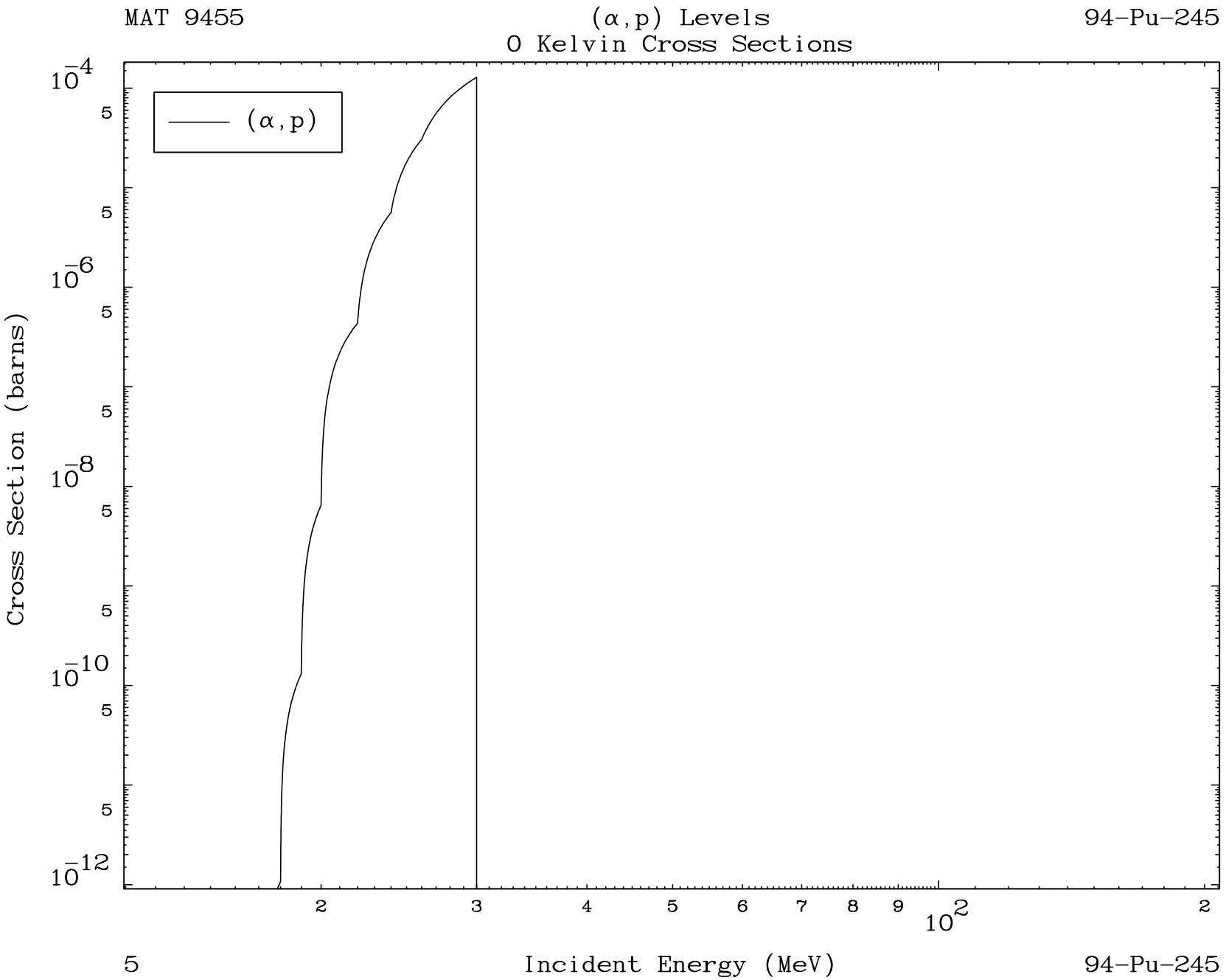
Press Mouse Button to Start

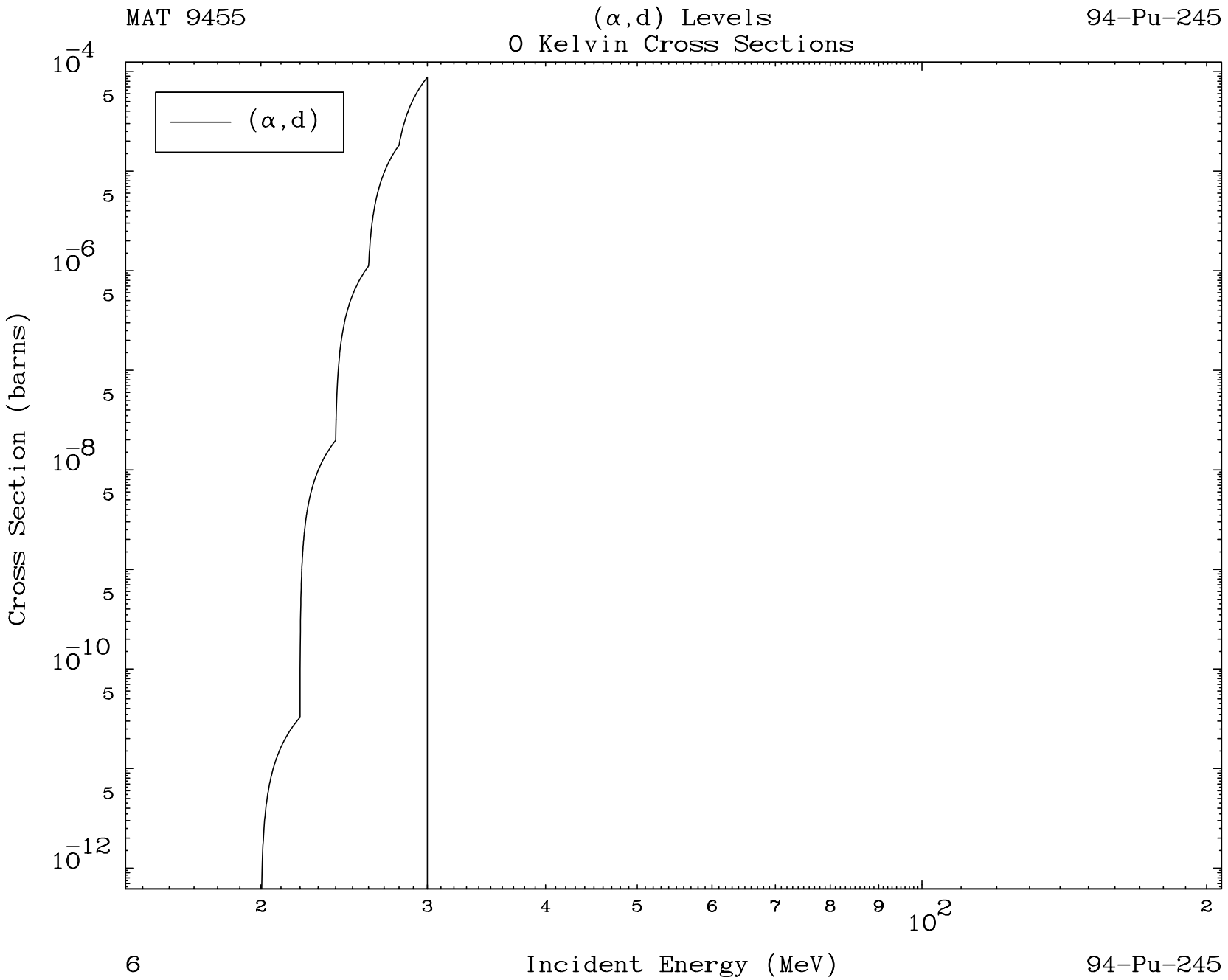

MAT 9455
α Major
94-Pu-245
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
10^1
2
3
4
5
6
7
8
9
10^2
2
1
Incident Energy (MeV)
94-Pu-245

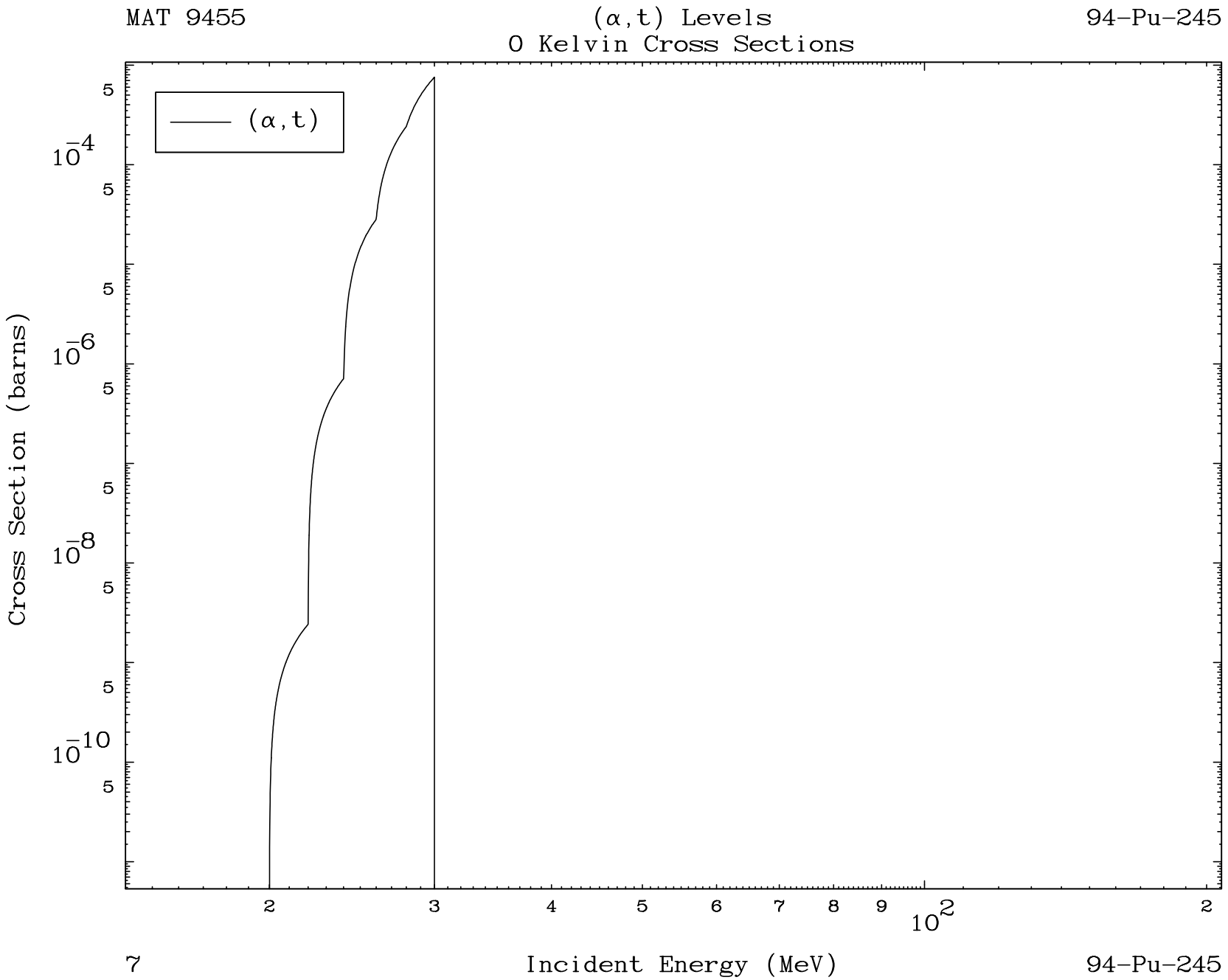

MAT 9455
α Neutron Production
0 Kelvin Cross Sections
94-Pu-245
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') t
(α,4n)
Cross Section (barns)
Incident Energy (MeV)
94-Pu-245

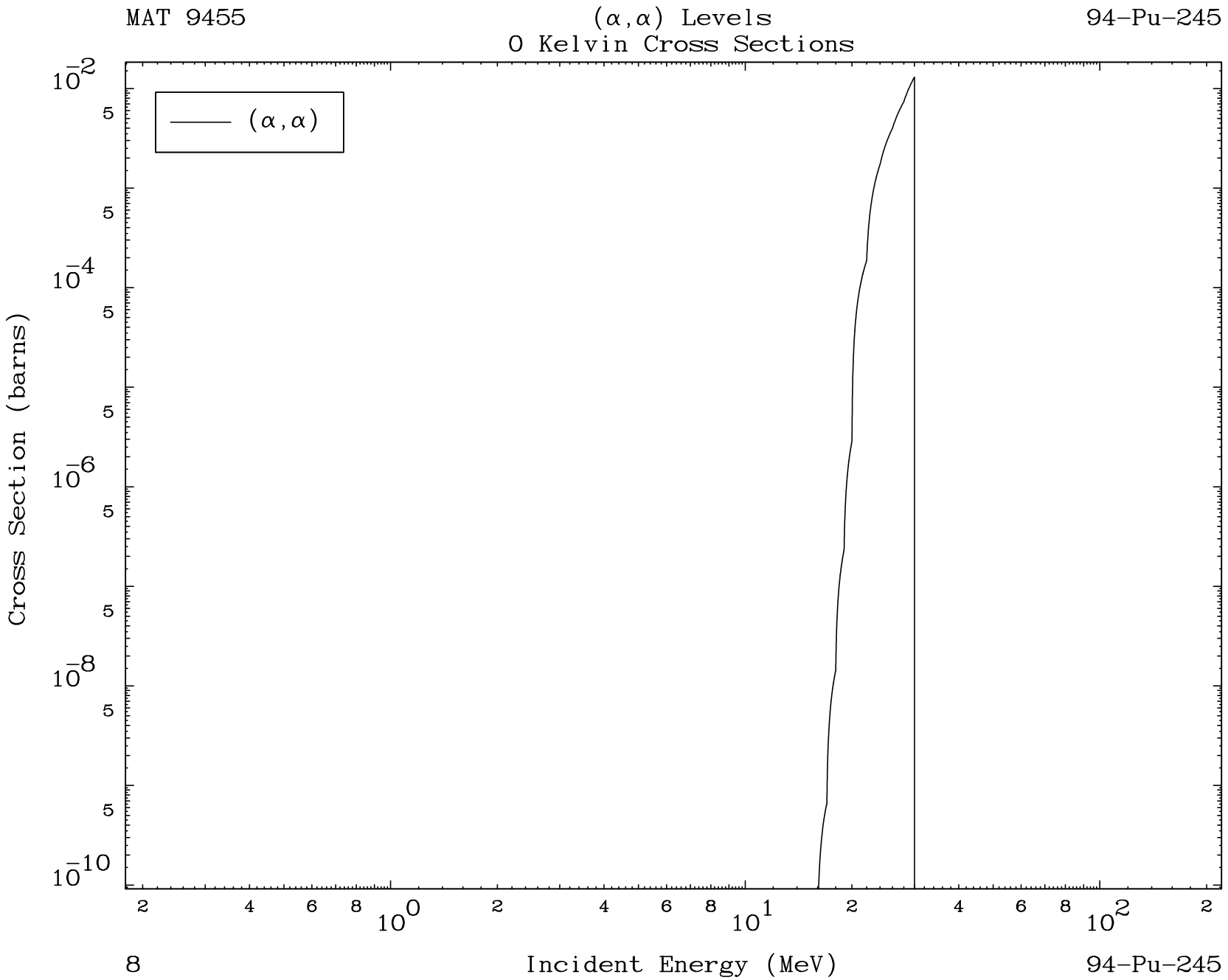

MAT 9455
α Charged Particle
0 Kelvin Cross Sections
94-Pu-245
(α,n') α
(α,2n) α
(α,n') p
(α,n') t
(α,p)
(α,d)
(α,t)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
3
94-Pu-245

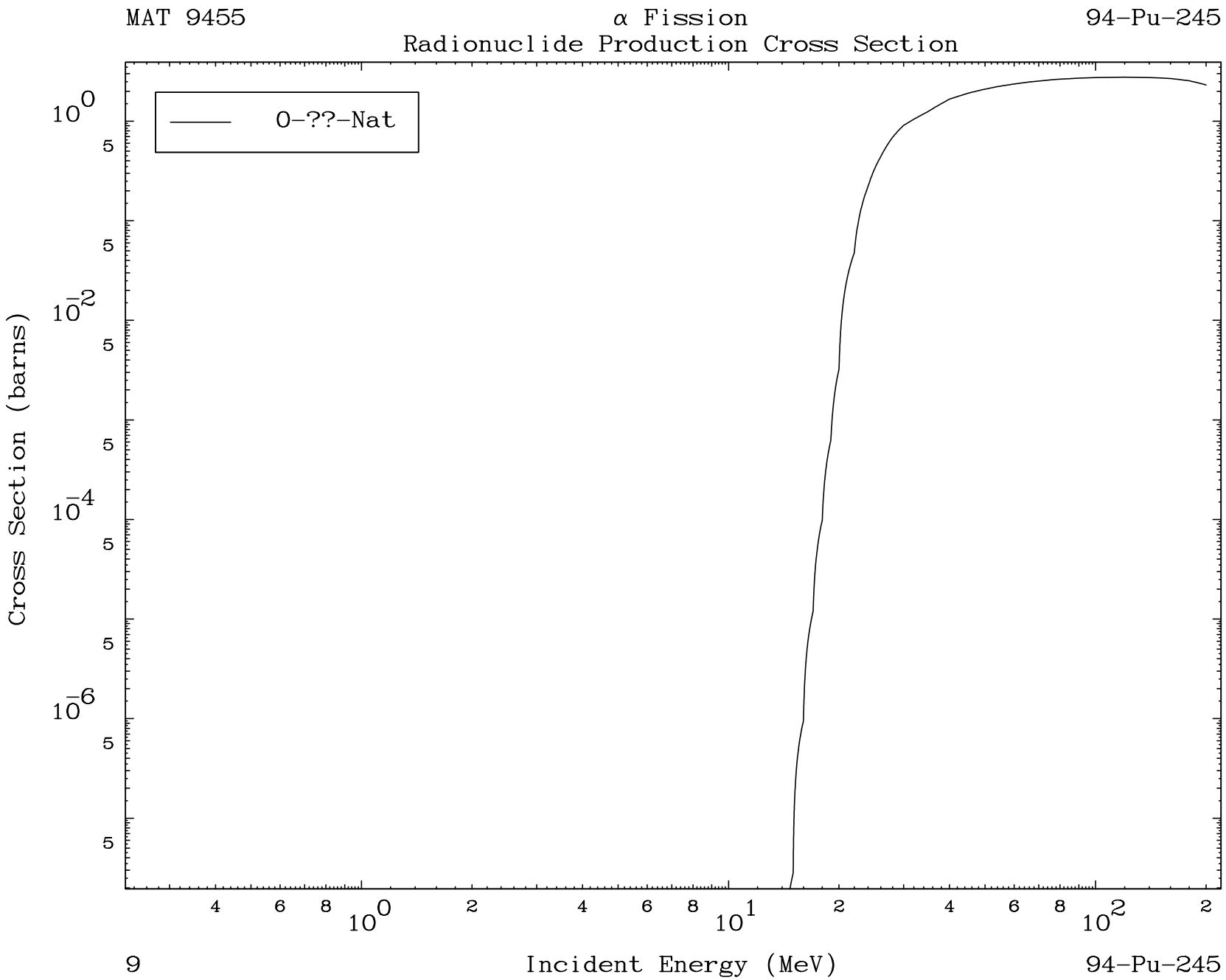

MAT 9455
(α,n') Level
94-Pu-245
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
94-Pu-245
4

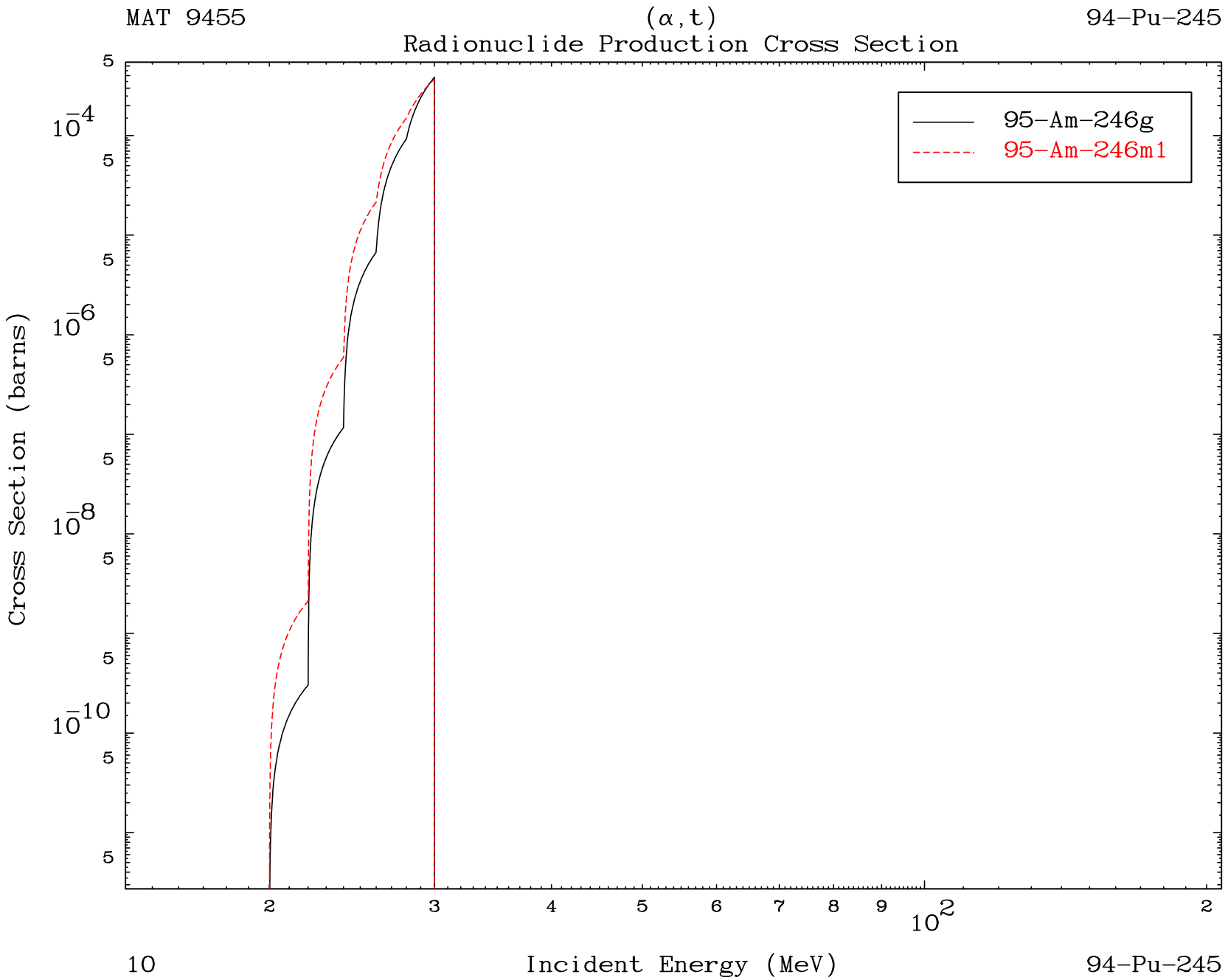

MAT 9455
(α,p) Levels
94-Pu-245
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
94-Pu-245


MAT 9455
(α,d) Levels
94-Pu-245
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
6
Incident Energy (MeV)
94-Pu-245


MAT 9455
(α,t) Levels
94-Pu-245
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
7
Incident Energy (MeV)
94-Pu-245


MAT 9455
(α,α) Levels
94-Pu-245
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
8
94-Pu-245


MAT 9455
α Fission
94-Pu-245
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
4 6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2
Incident Energy (MeV)
9
94-Pu-245


MAT 9455
(α,t)
94-Pu-245
Radionuclide Production Cross Section
95-Am-246g
95-Am-246m1
Cross Section (barns)
Incident Energy (MeV)
94-Pu-245