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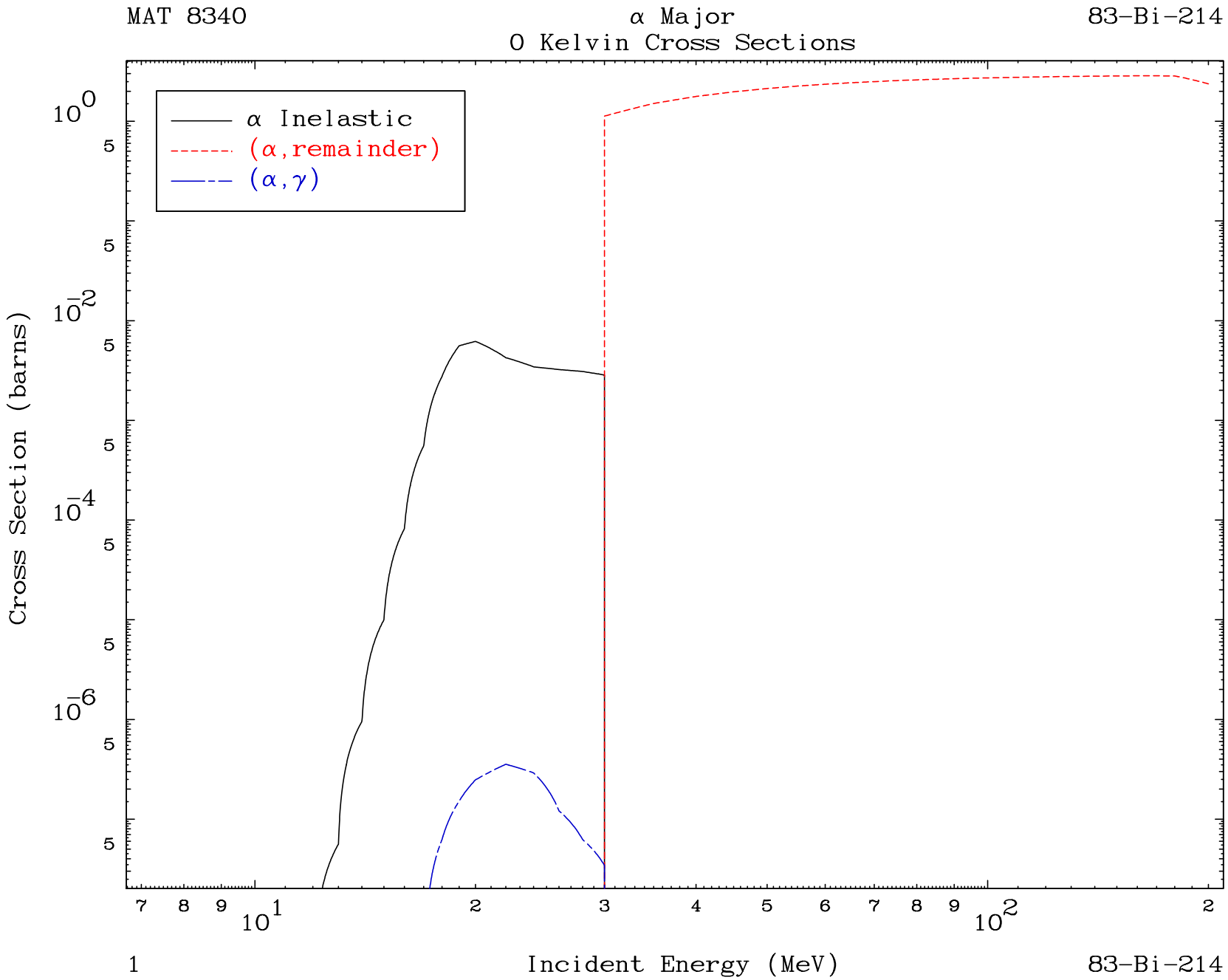
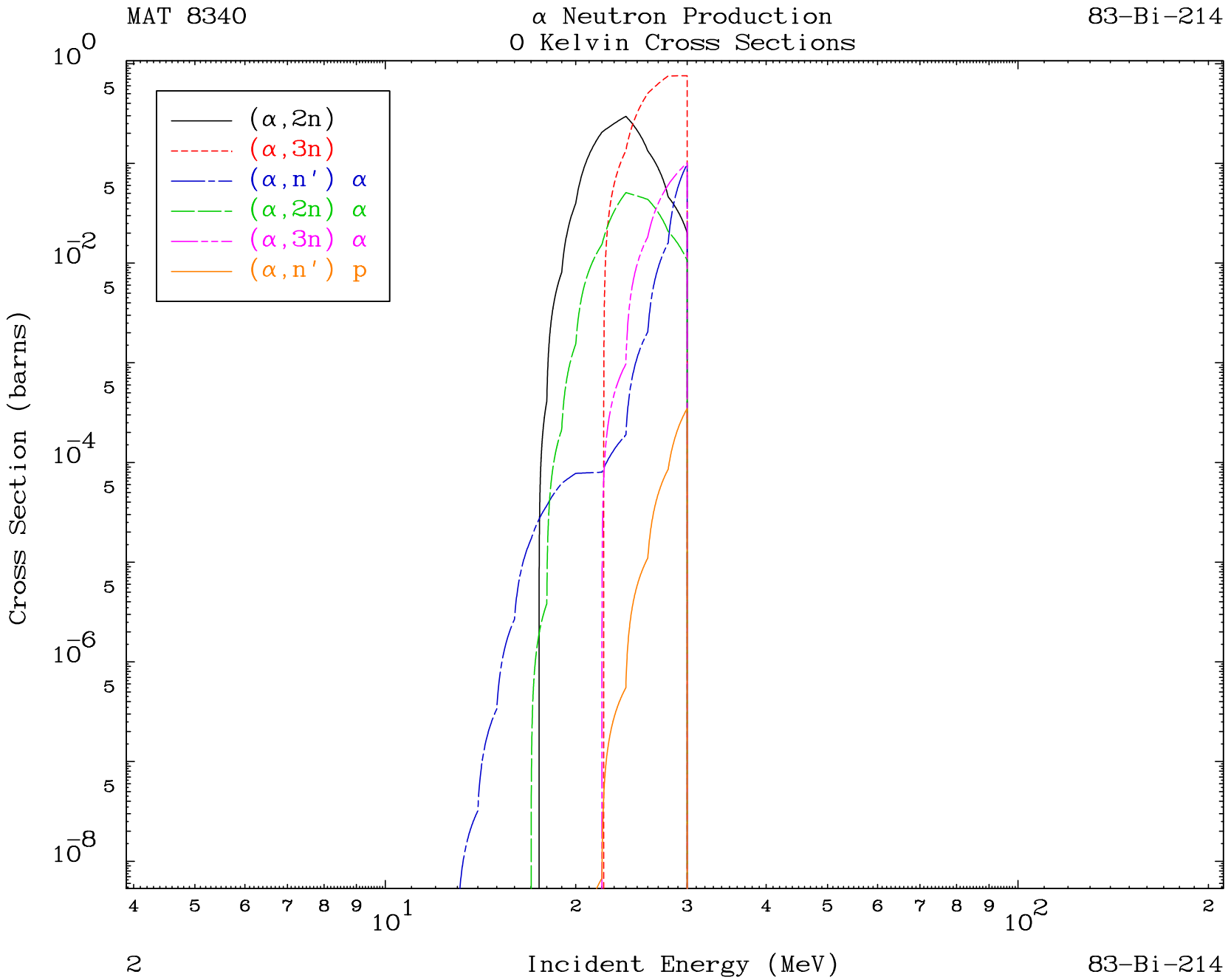
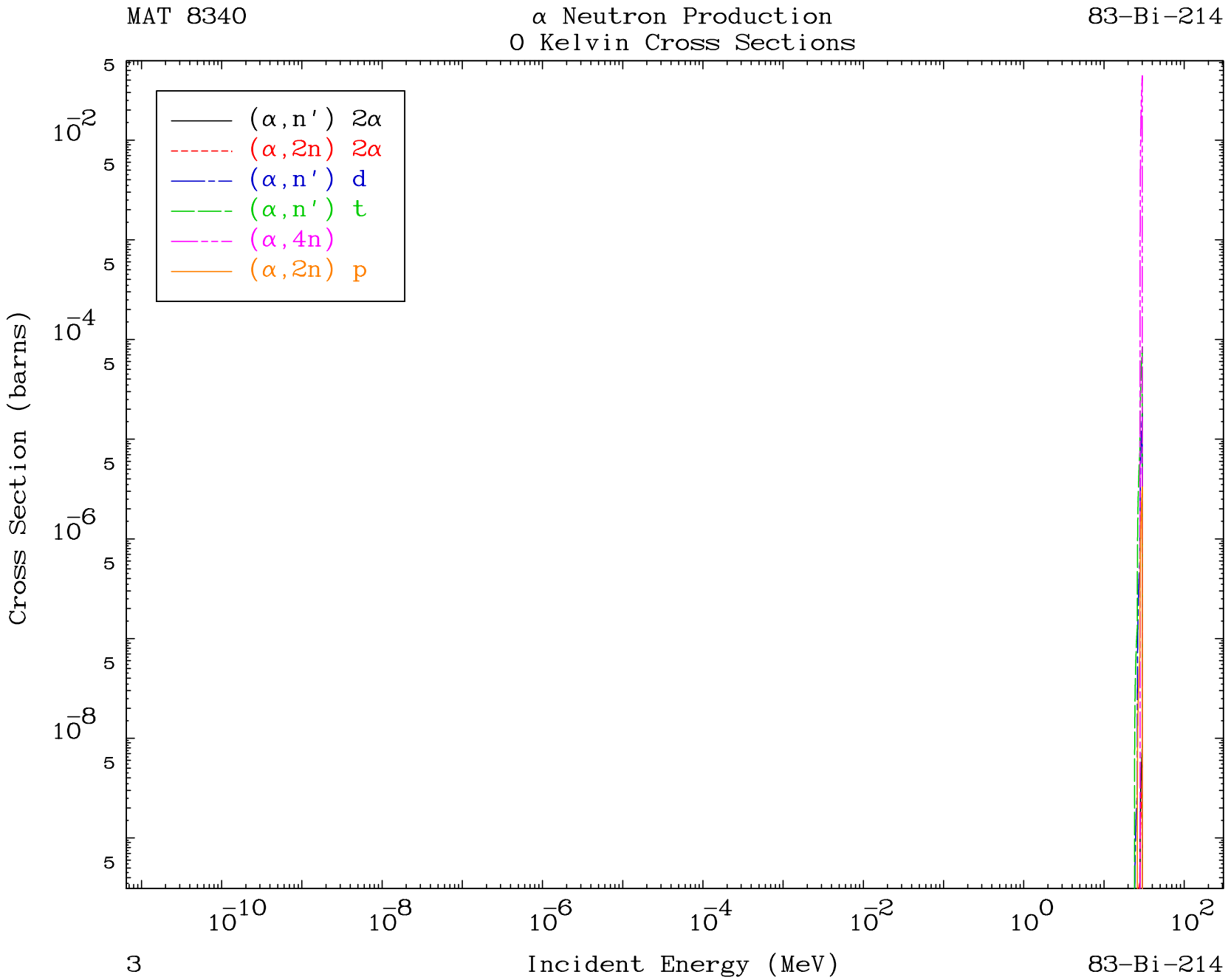
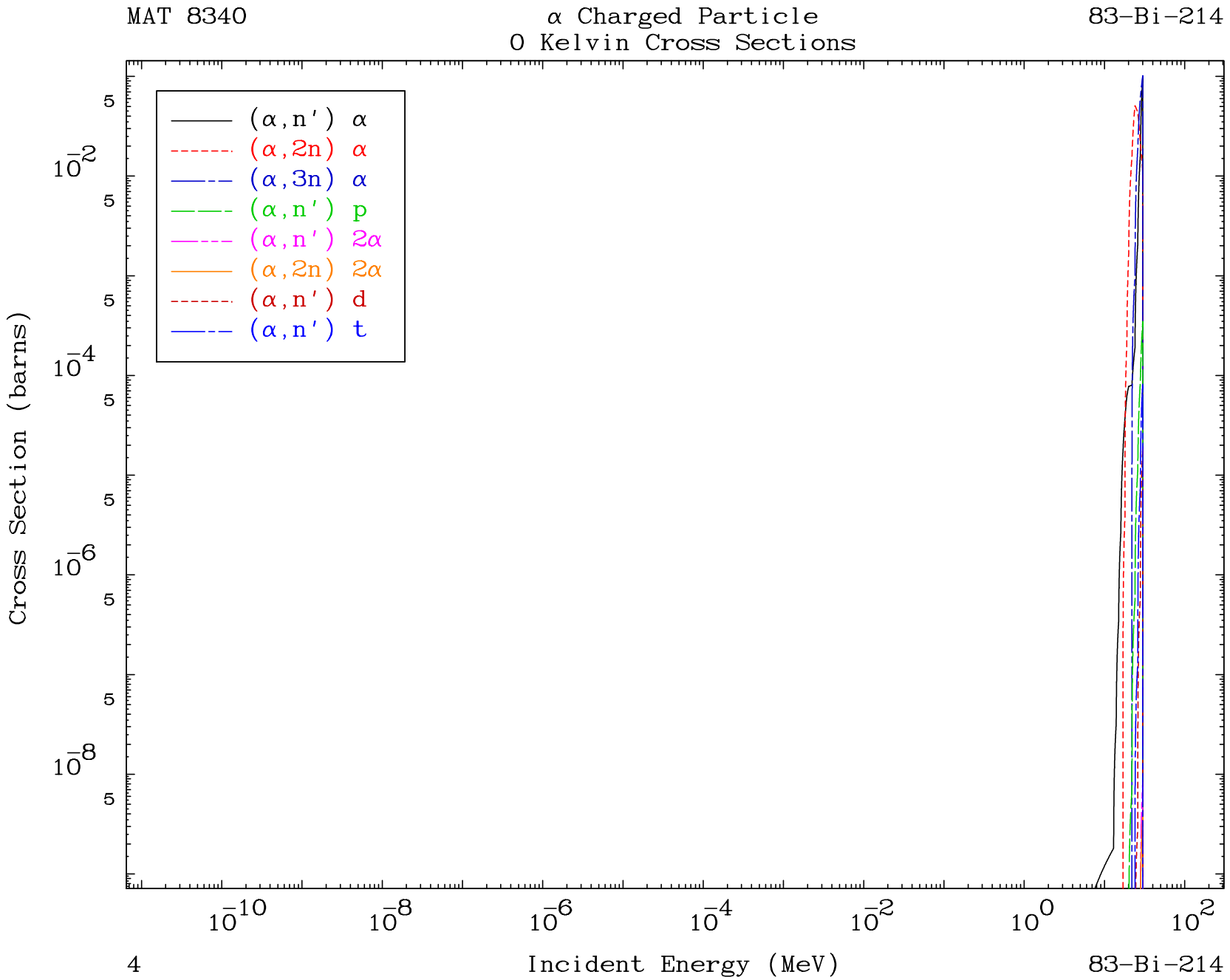
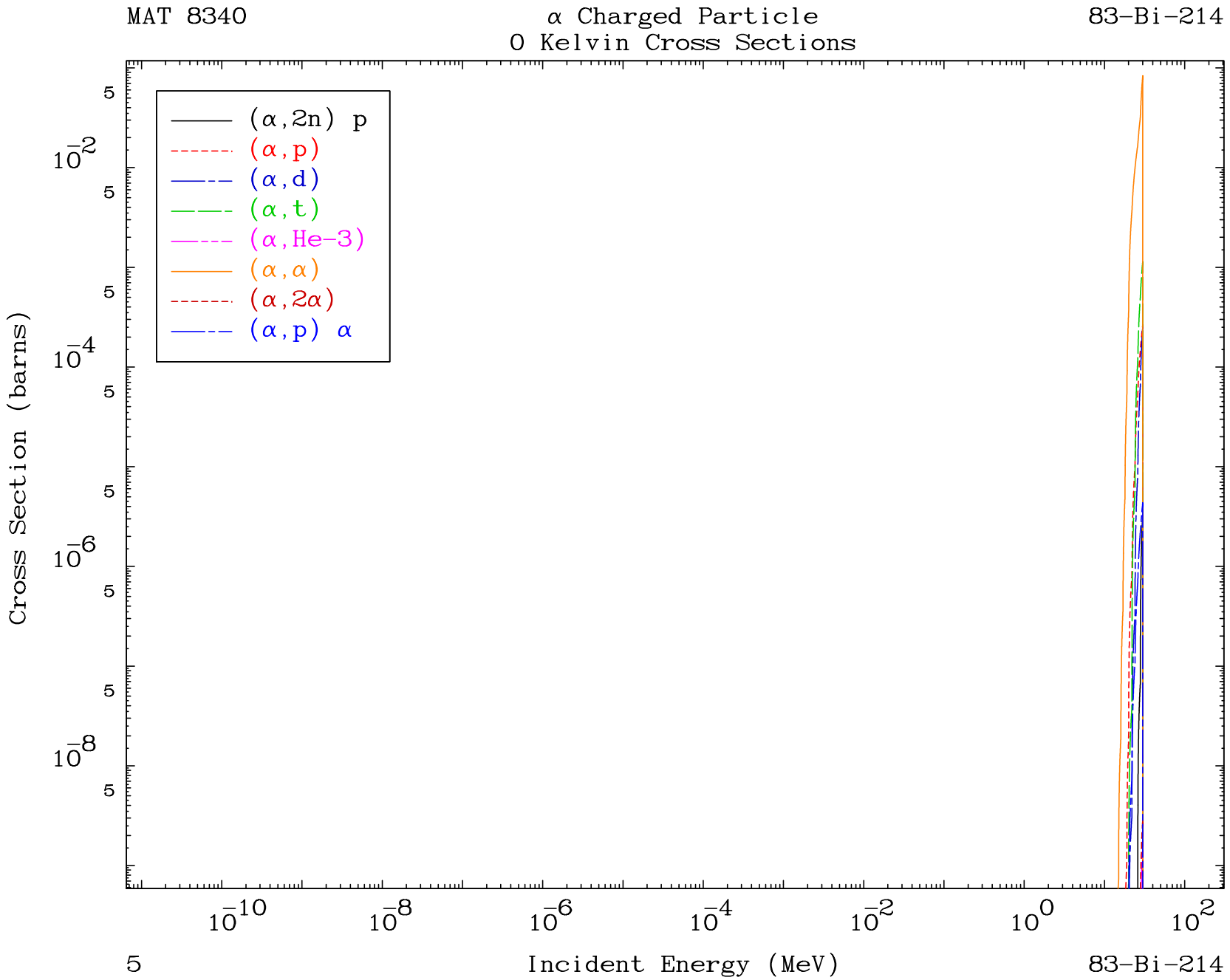
Press Mouse Button to Start

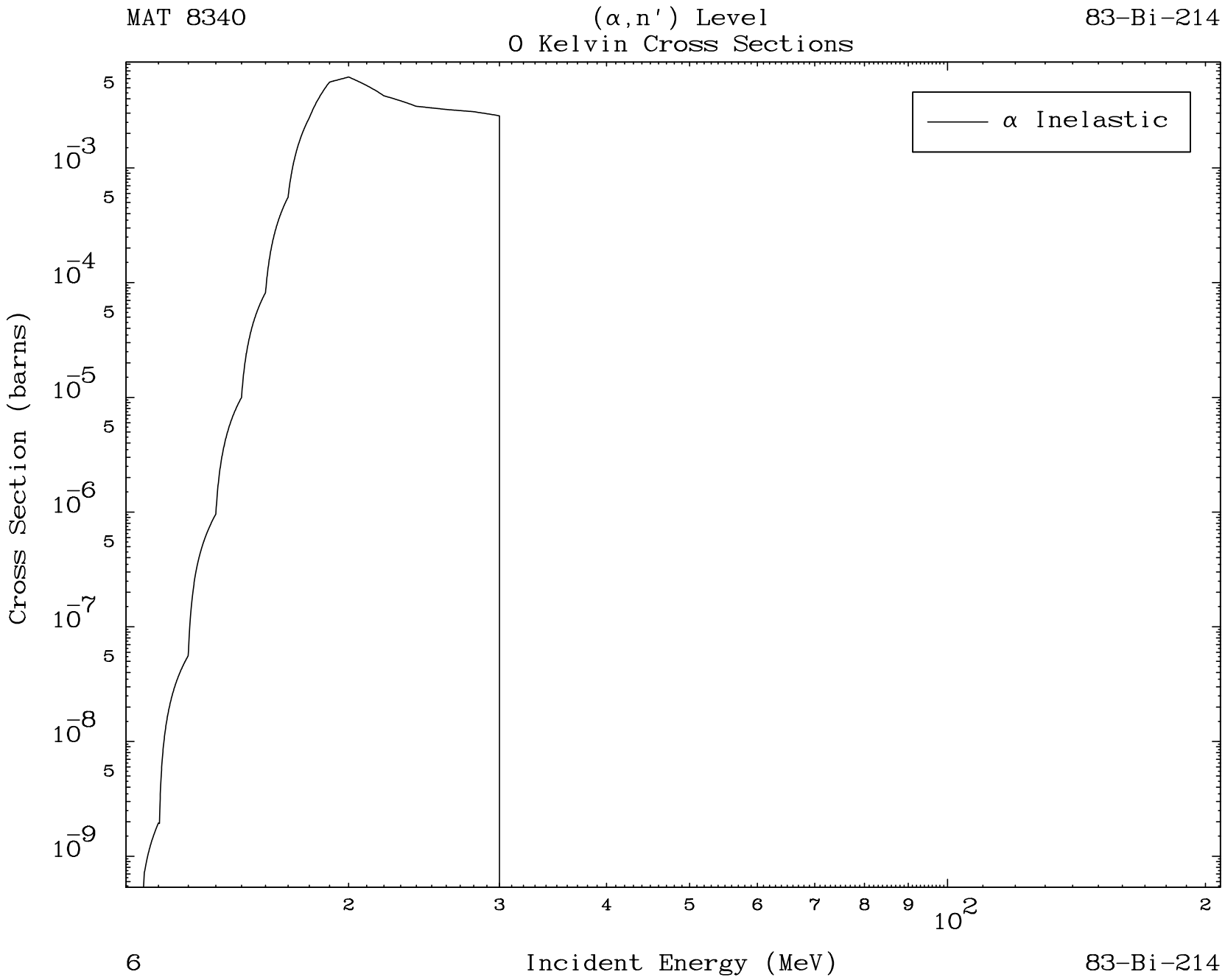

MAT 8340
α Major
83-Bi-214
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
1
Incident Energy (MeV)
83-Bi-214

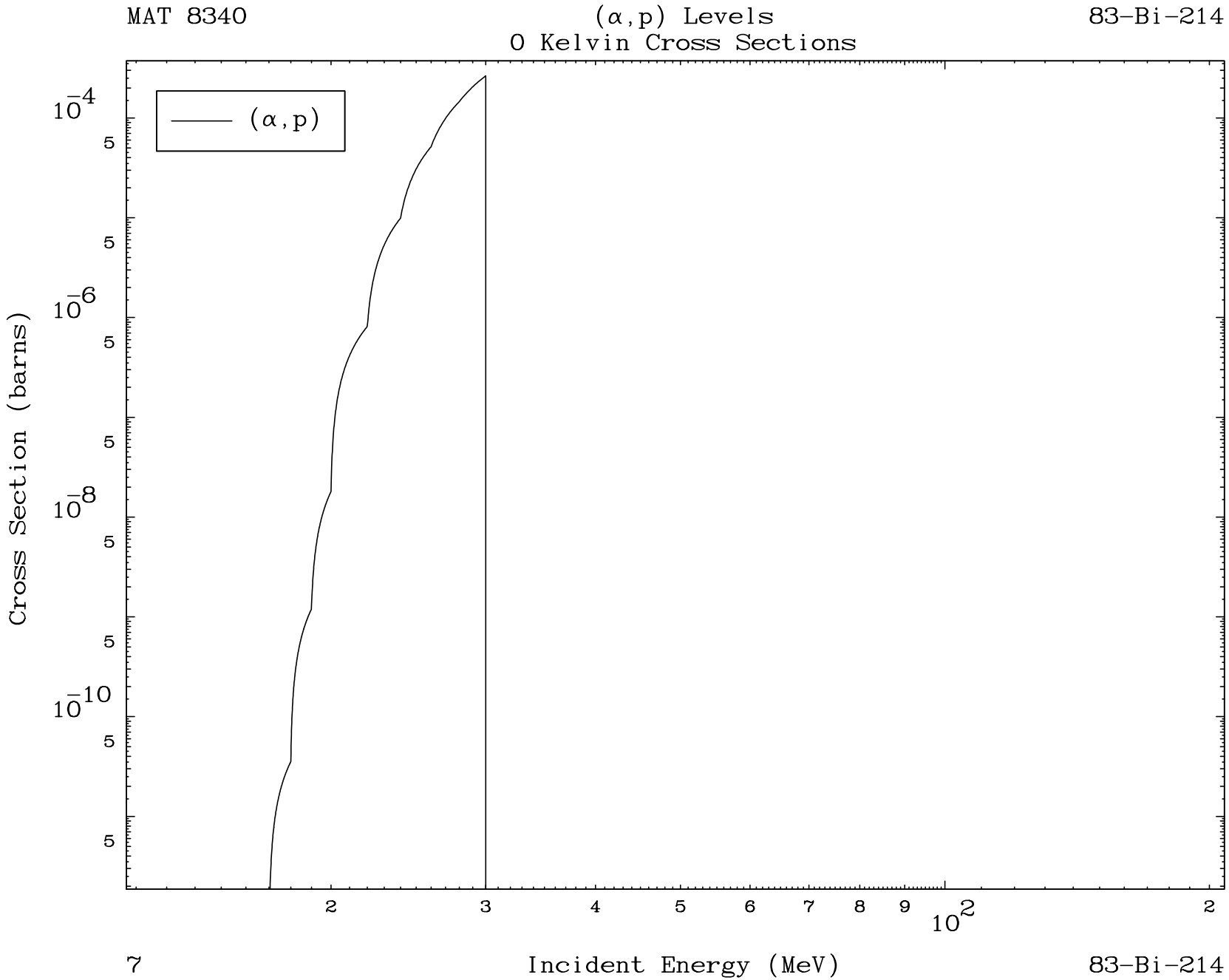

MAT 8340
α Neutron Production
0 Kelvin Cross Sections
83-Bi-214
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
Cross Section (barns)
Incident Energy (MeV)
83-Bi-214

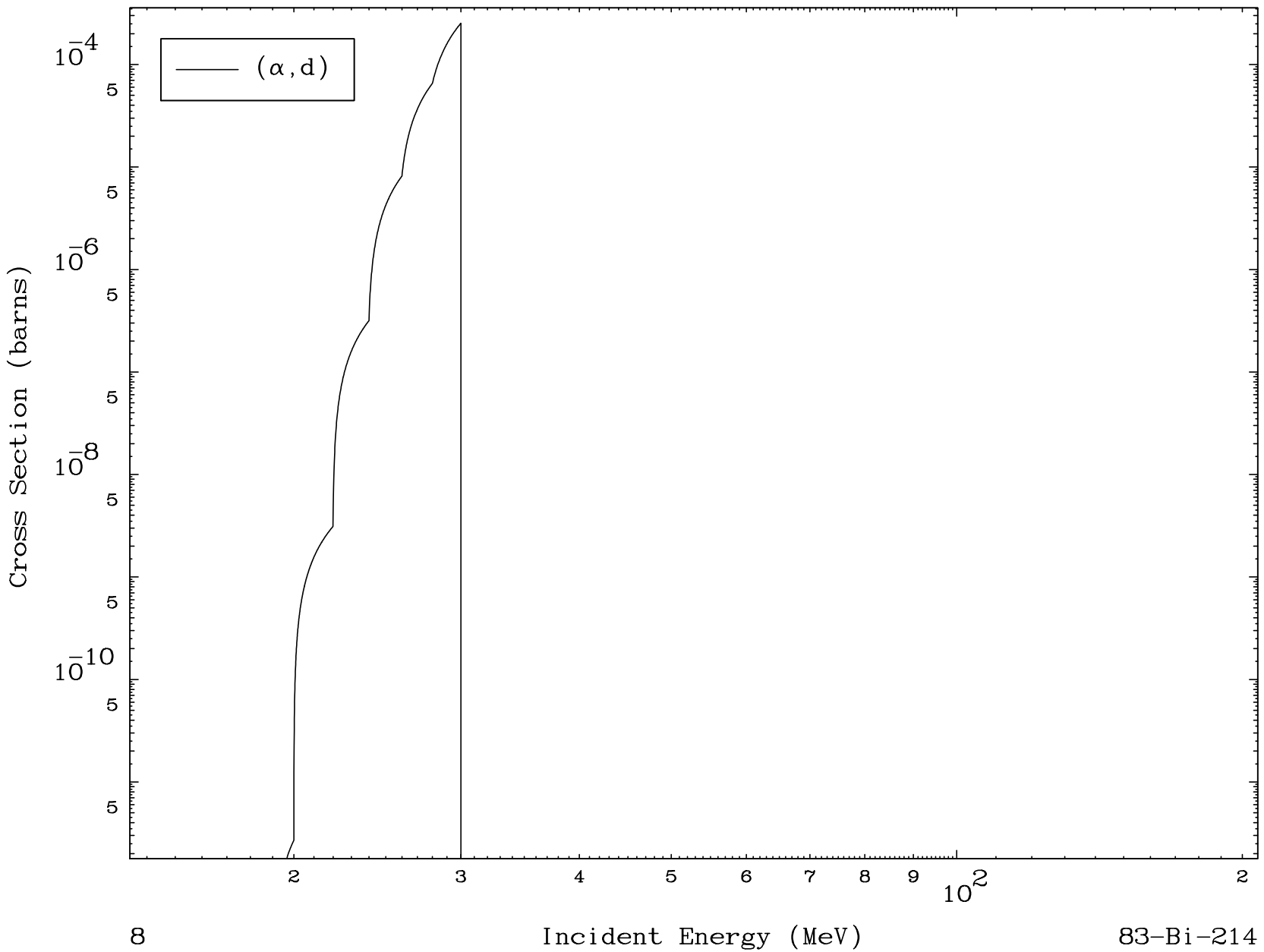

MAT 8340
α Neutron Production
0 Kelvin Cross Sections
83-Bi-214
(α,n') 2α
(α,2n) 2α
(α,n') d
(α,n') t
(α,4n)
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
3
83-Bi-214

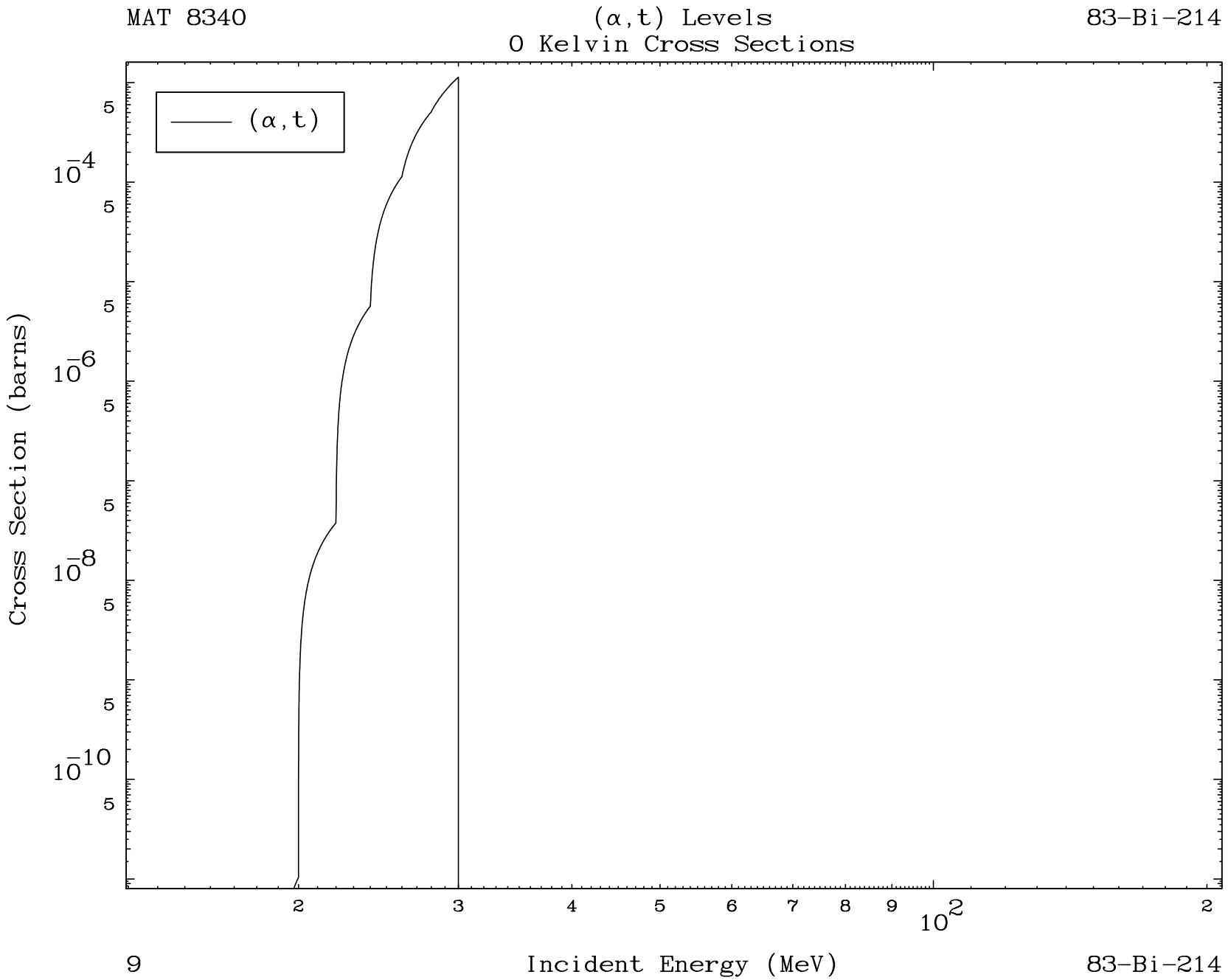

MAT 8340
α Charged Particle
0 Kelvin Cross Sections
83-Bi-214
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') 2α
(α,2n) 2α
(α,n') d
(α,n') t
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-214

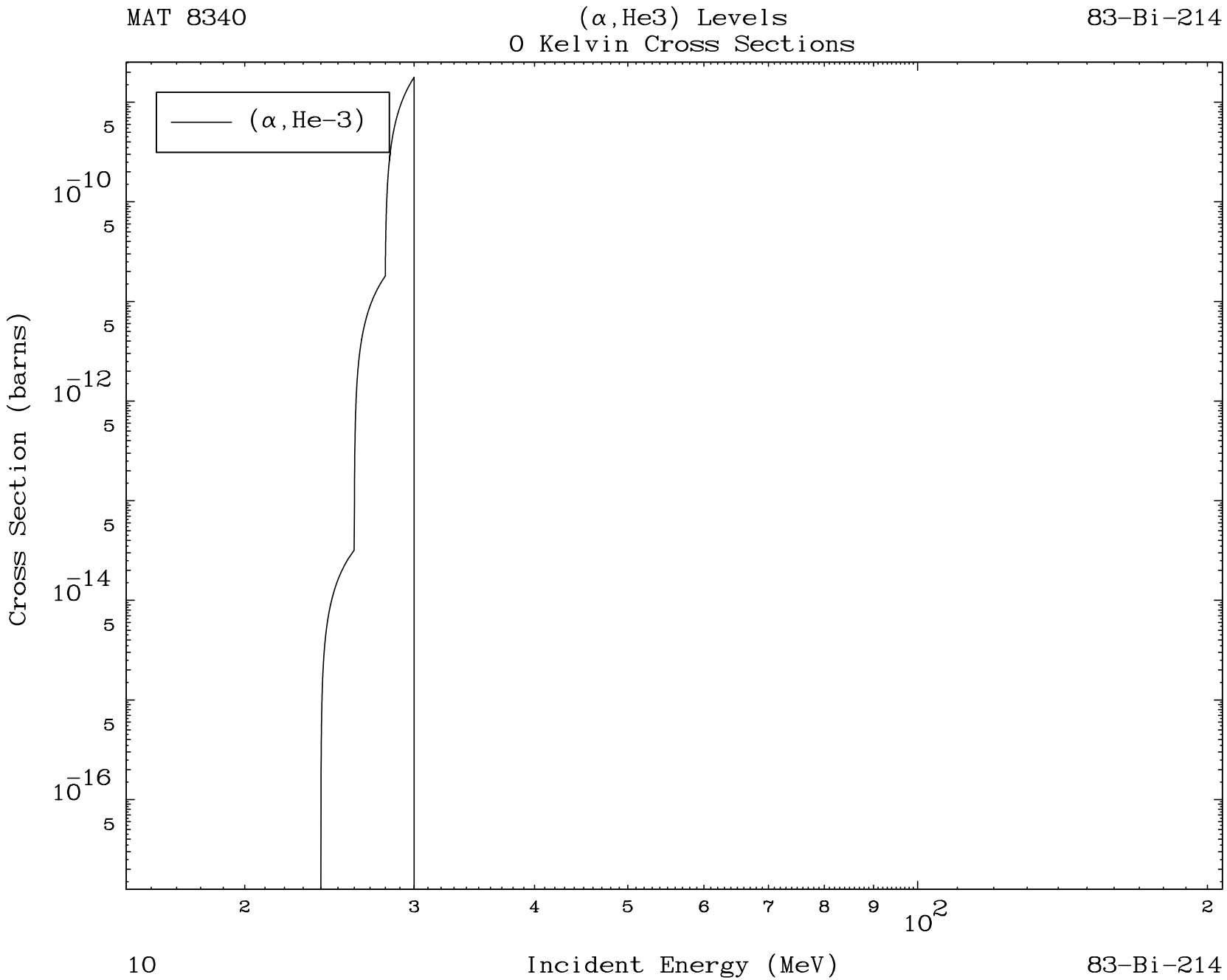

MAT 8340
α Charged Particle
0 Kelvin Cross Sections
83-Bi-214
(α,2n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
83-Bi-214


MAT 8340
(α,n') Level
83-Bi-214
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-3
10-4
10-5
10-6
10-7
10-8
10-9
2
3
4
5
6
7
8
9
10 2
2
6
Incident Energy (MeV)
83-Bi-214

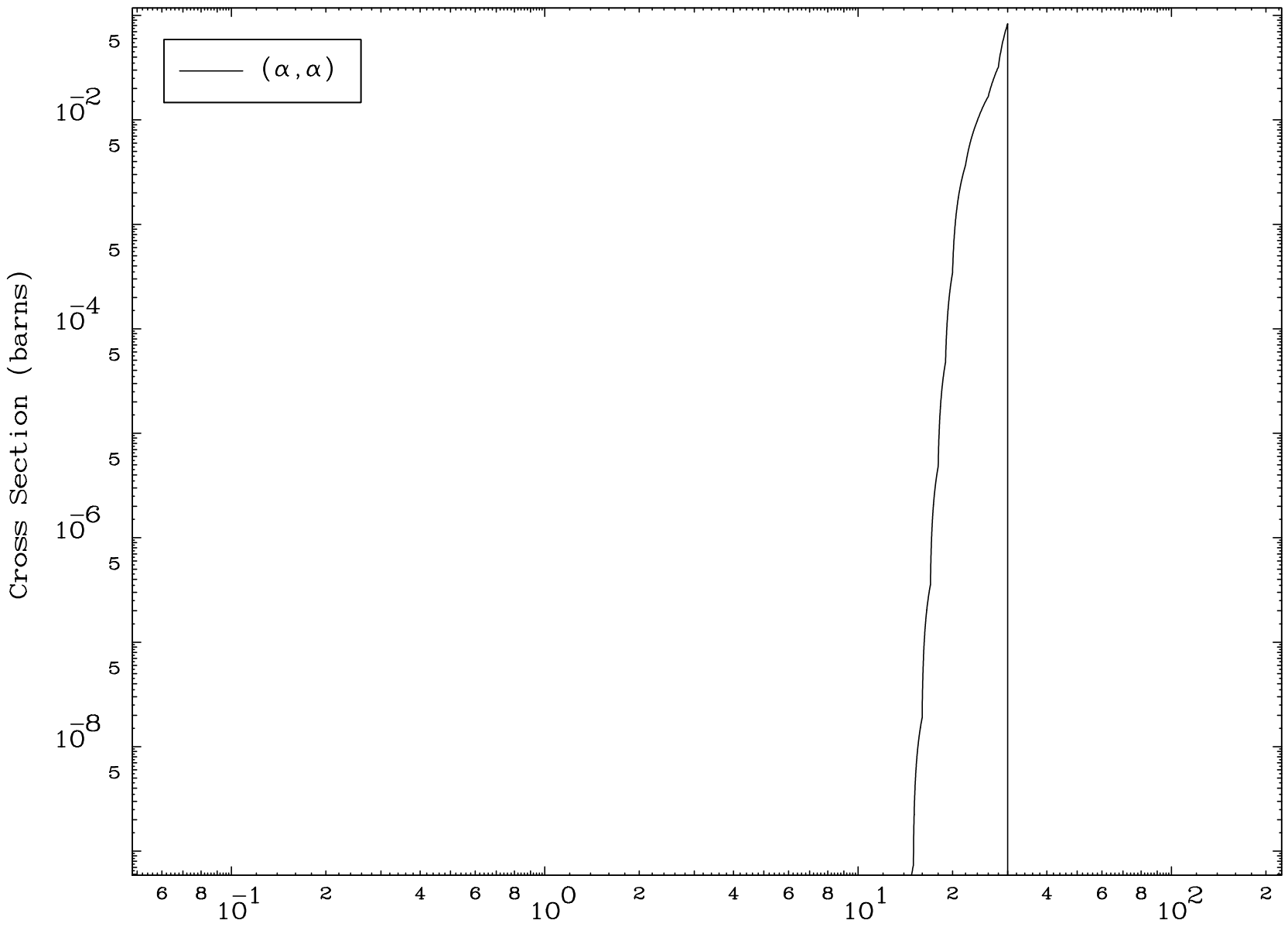

MAT 8340
(α,p) Levels
83-Bi-214
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
83-Bi-214

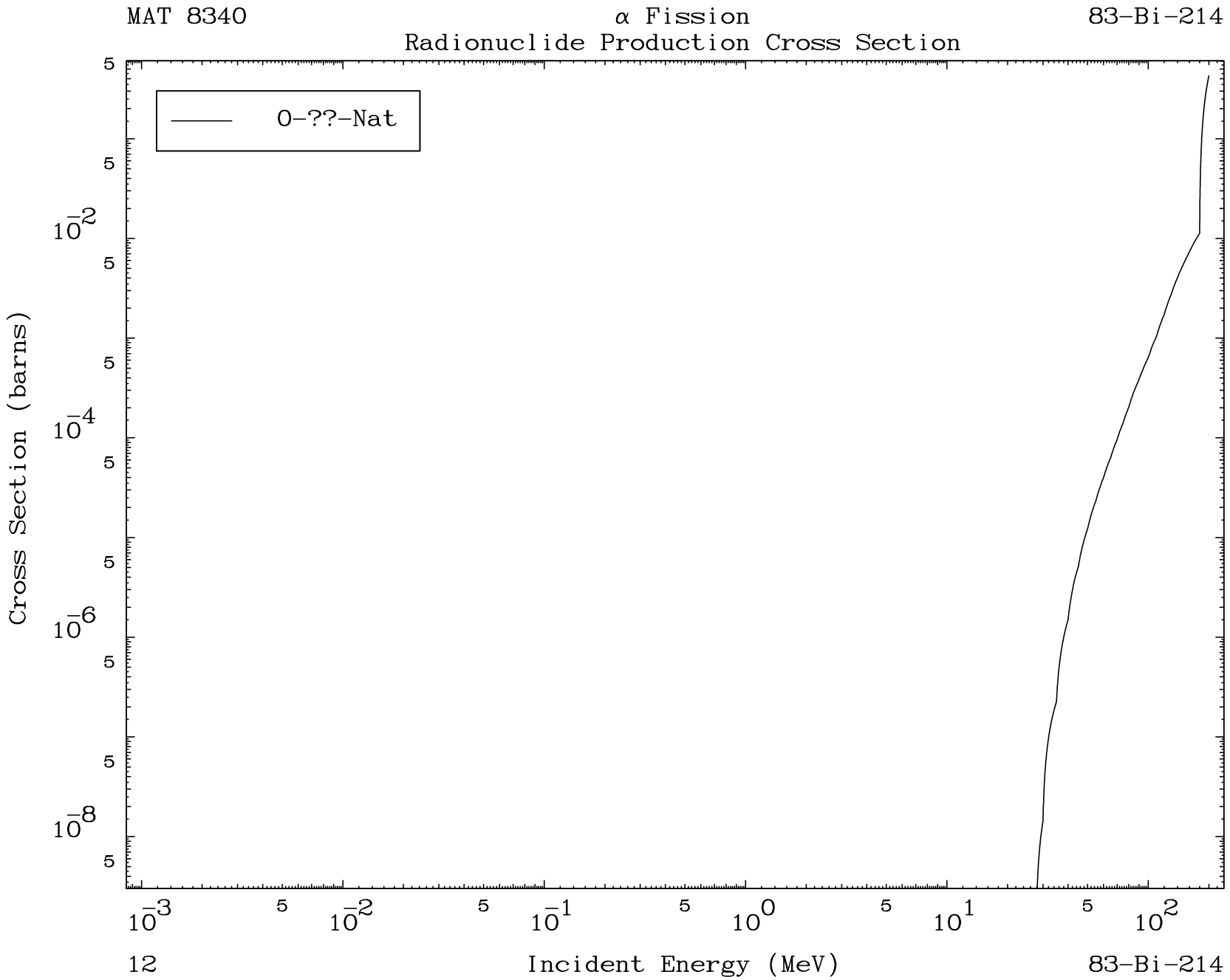

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

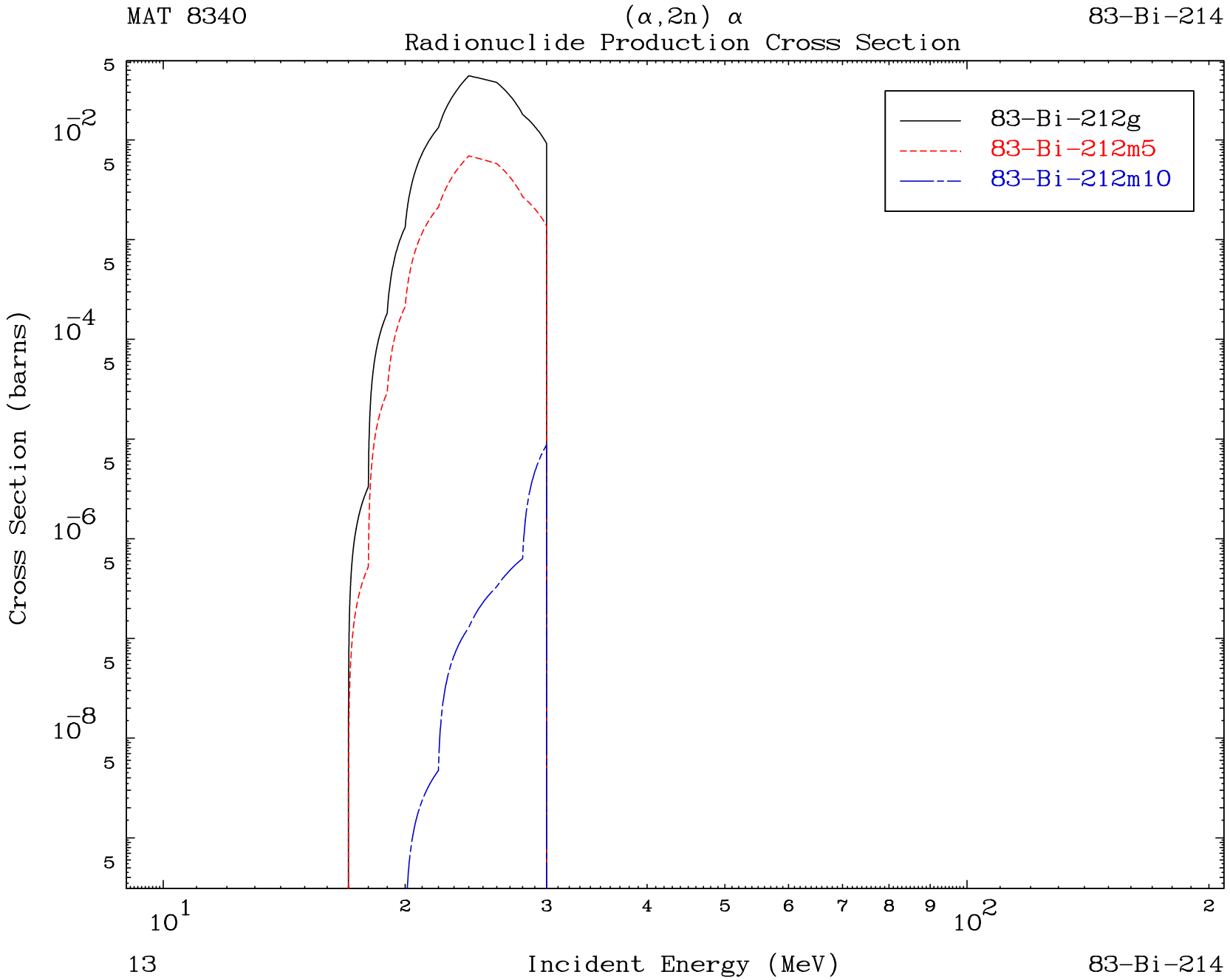

MAT 8340
(α,t) Levels
83-Bi-214
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10⁻4
10⁻6
10⁻8
10⁻10
2
3
4
5
6
7
8
9
10²
2
9
Incident Energy (MeV)
83-Bi-214

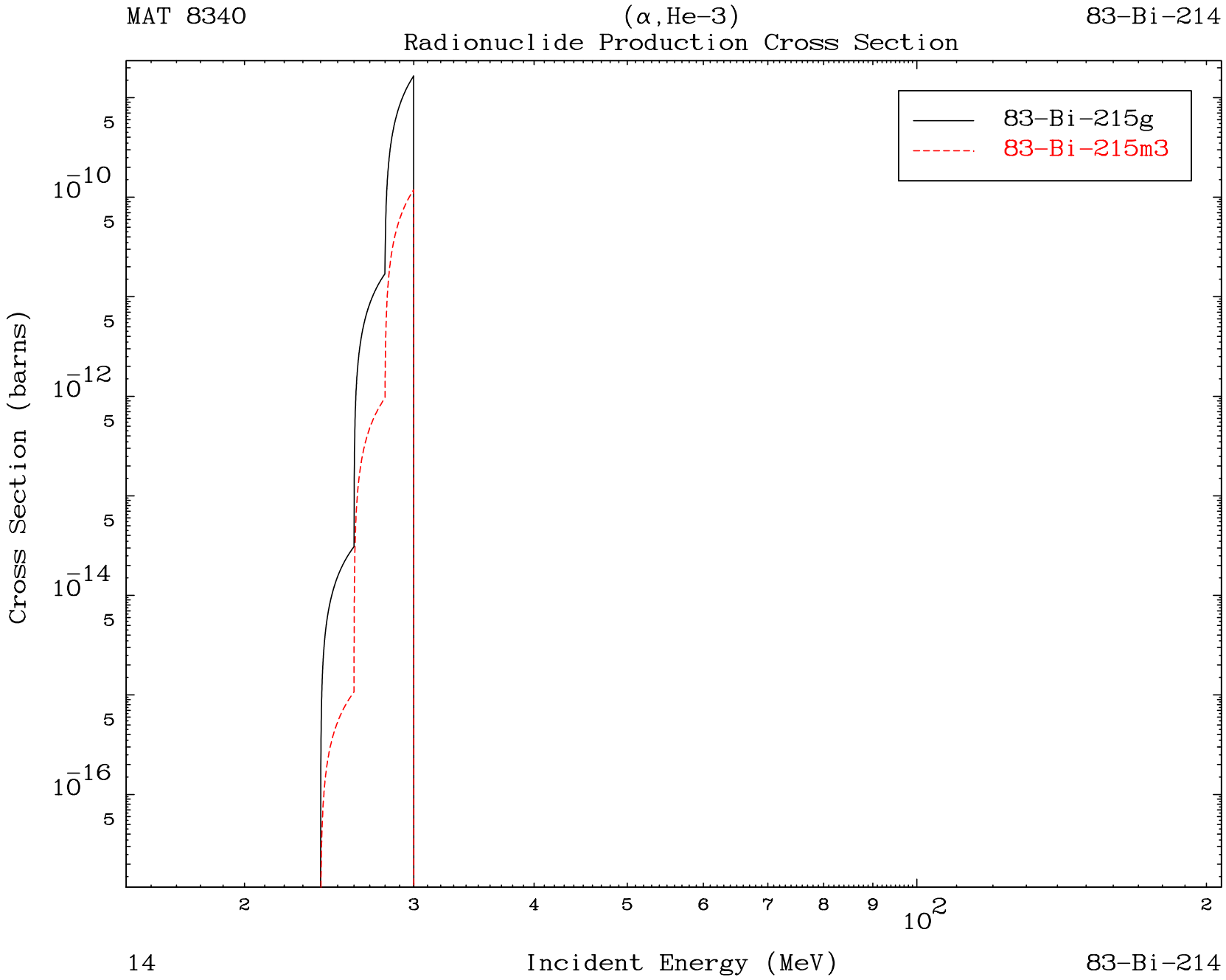

MAT 8340
(α,He3) Levels
83-Bi-214
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10
Incident Energy (MeV)
83-Bi-214

0 Kelvin Cross Sections




MAT 8340
α Fission
83-Bi-214
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-214


MAT 8340
(α,2n) α
83-Bi-214
Radionuclide Production Cross Section
83-Bi-212g
83-Bi-212m5
83-Bi-212m10
Cross Section (barns)
Incident Energy (MeV)
13
83-Bi-214


MAT 8340
(α,He-3)
83-Bi-214
Radionuclide Production Cross Section
83-Bi-215g
83-Bi-215m3
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
83-Bi-214