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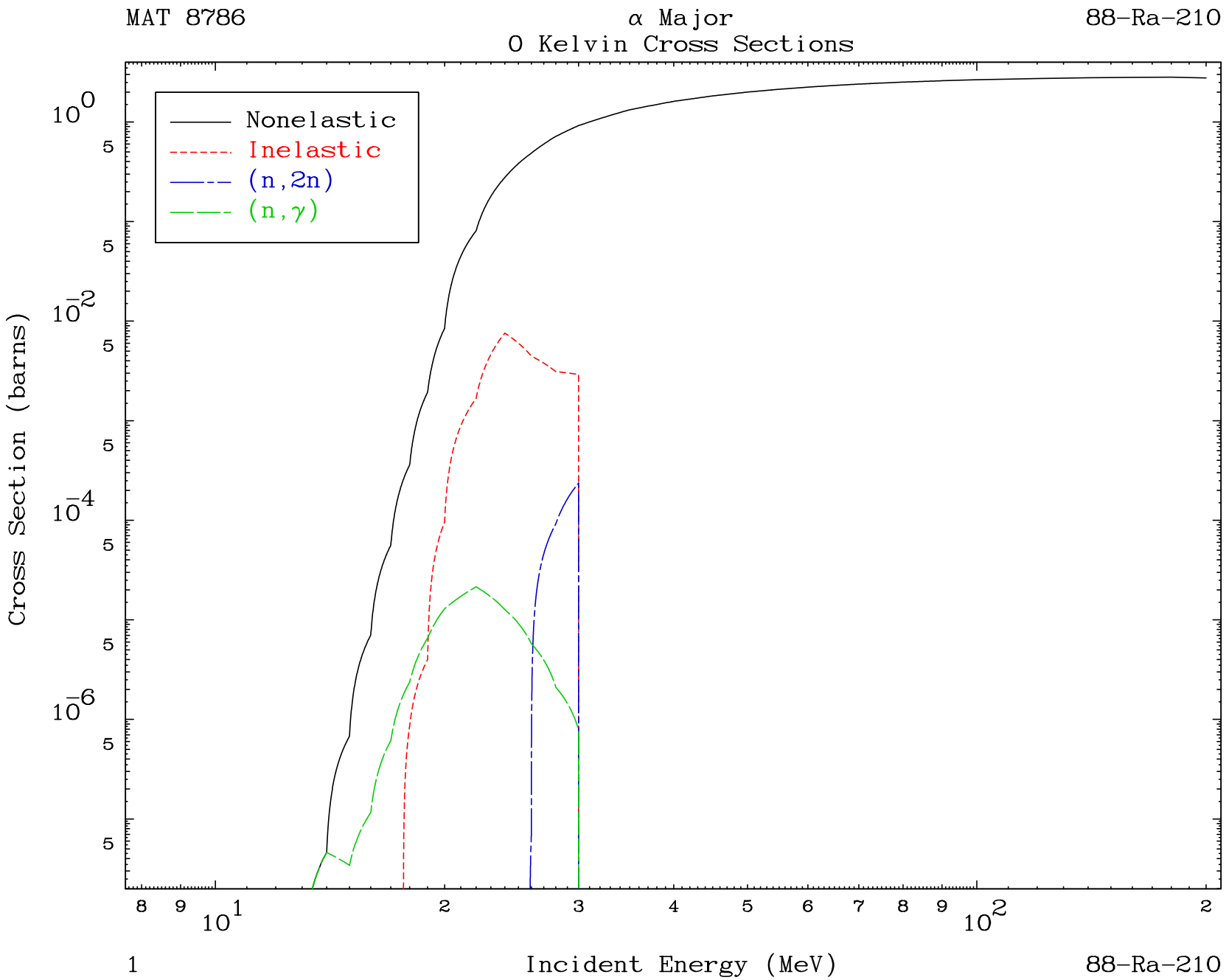
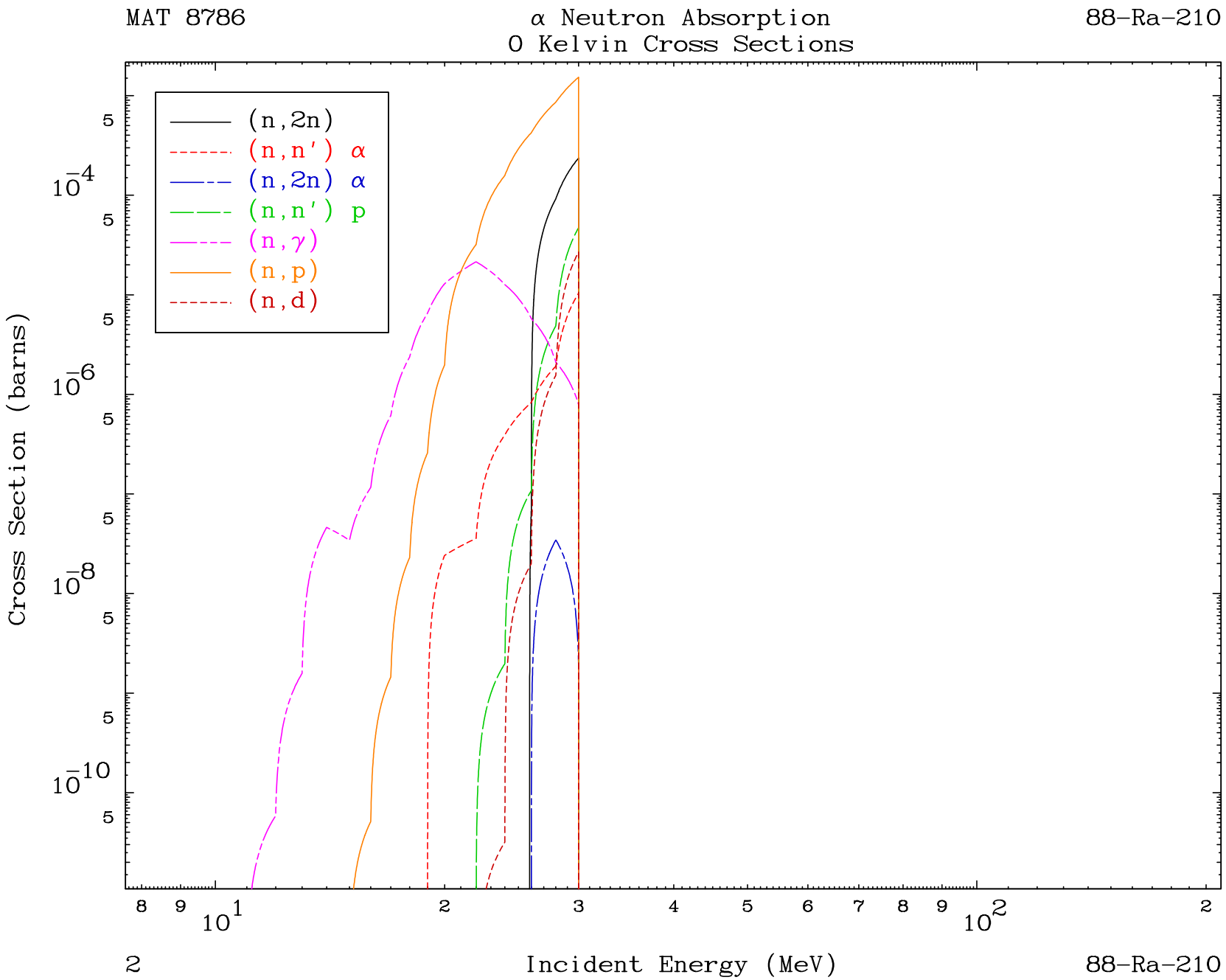
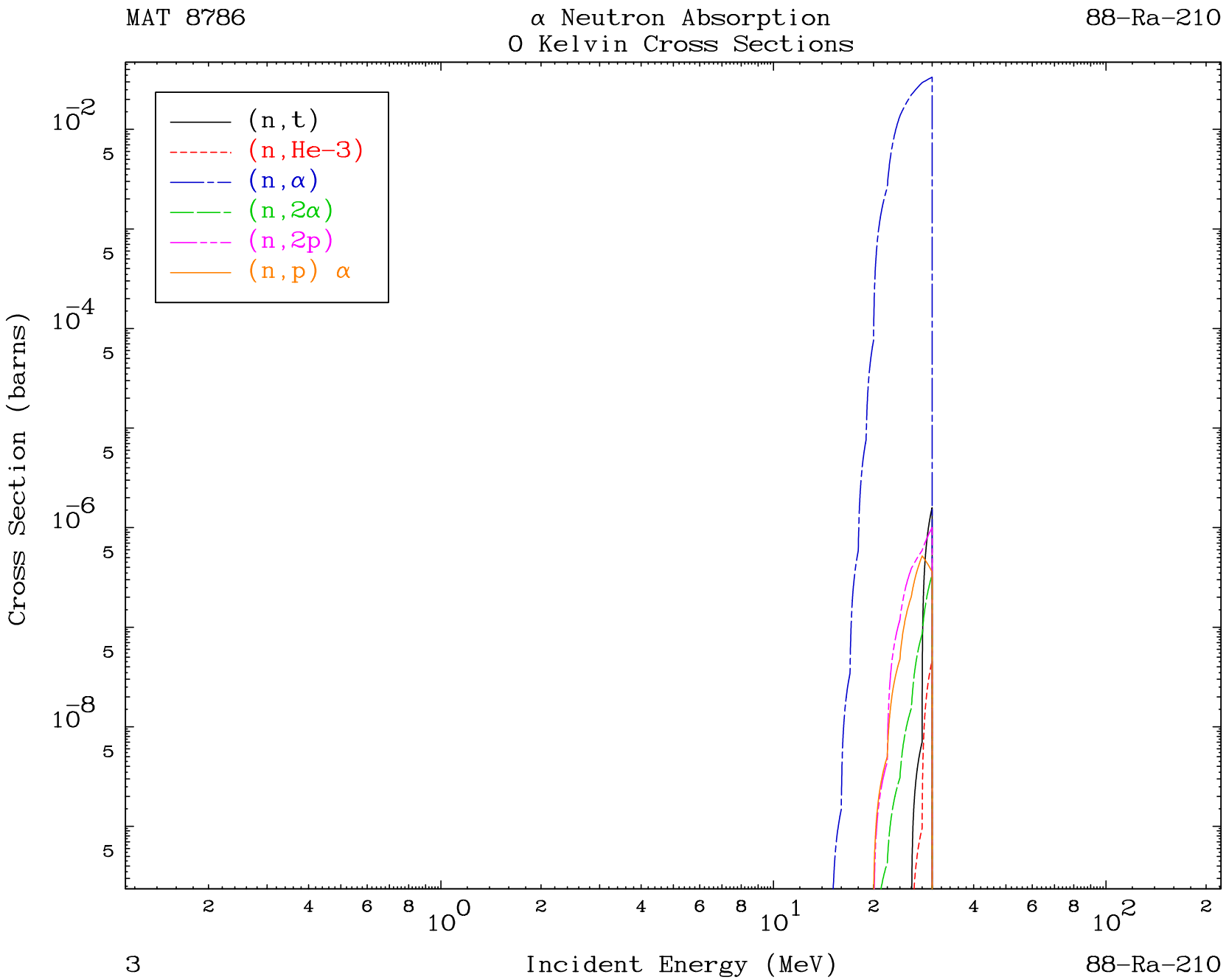
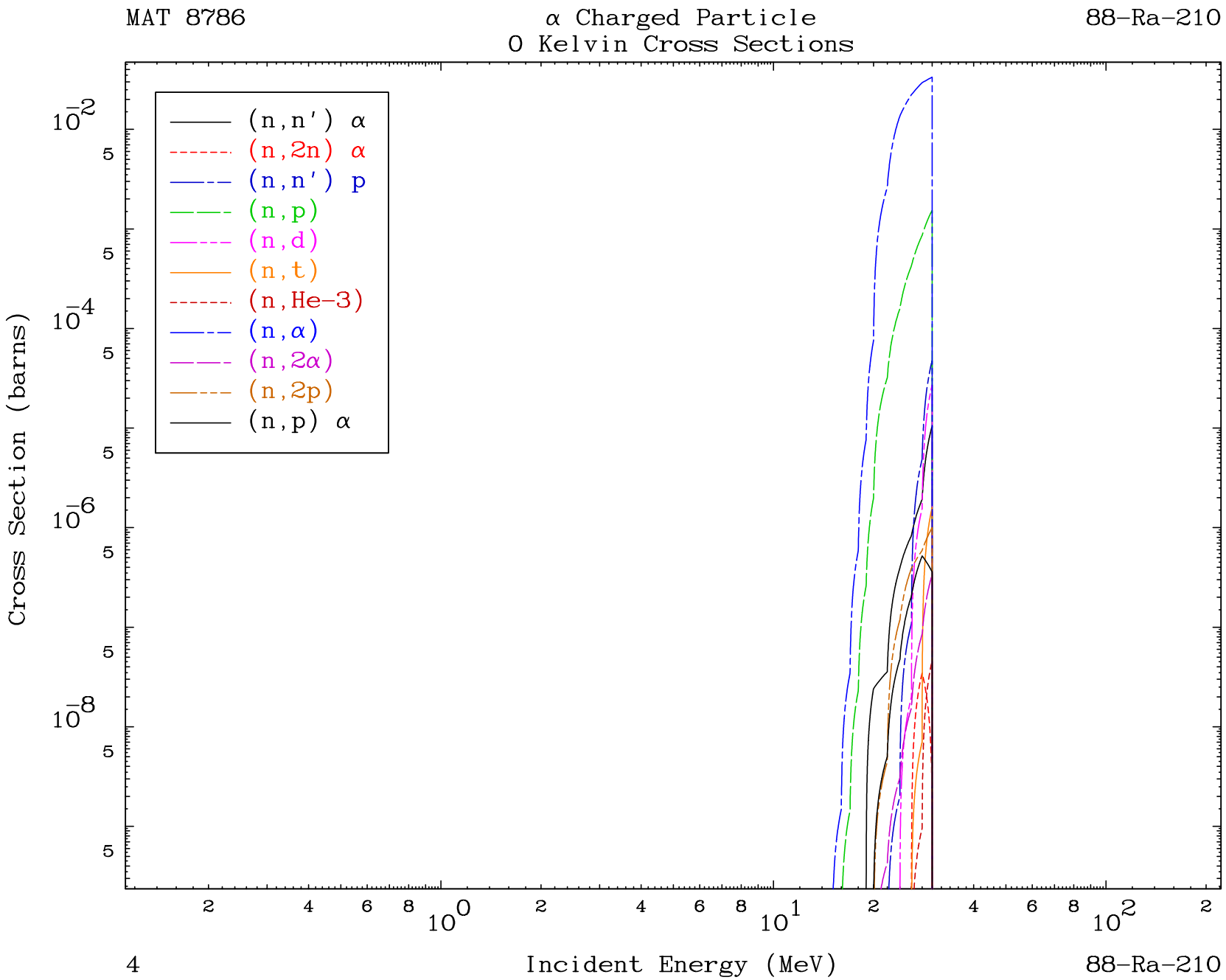
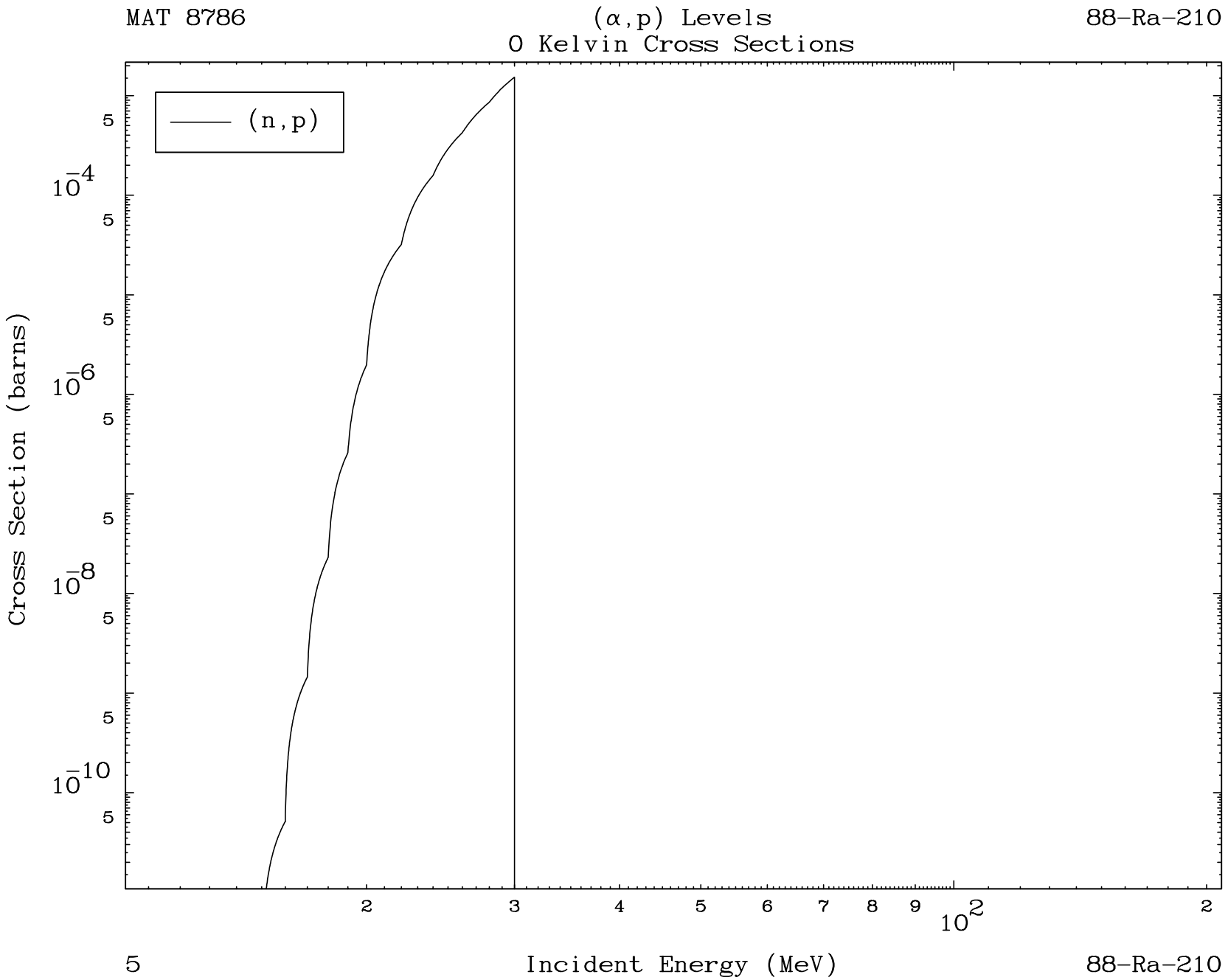
Press Mouse Button to Start

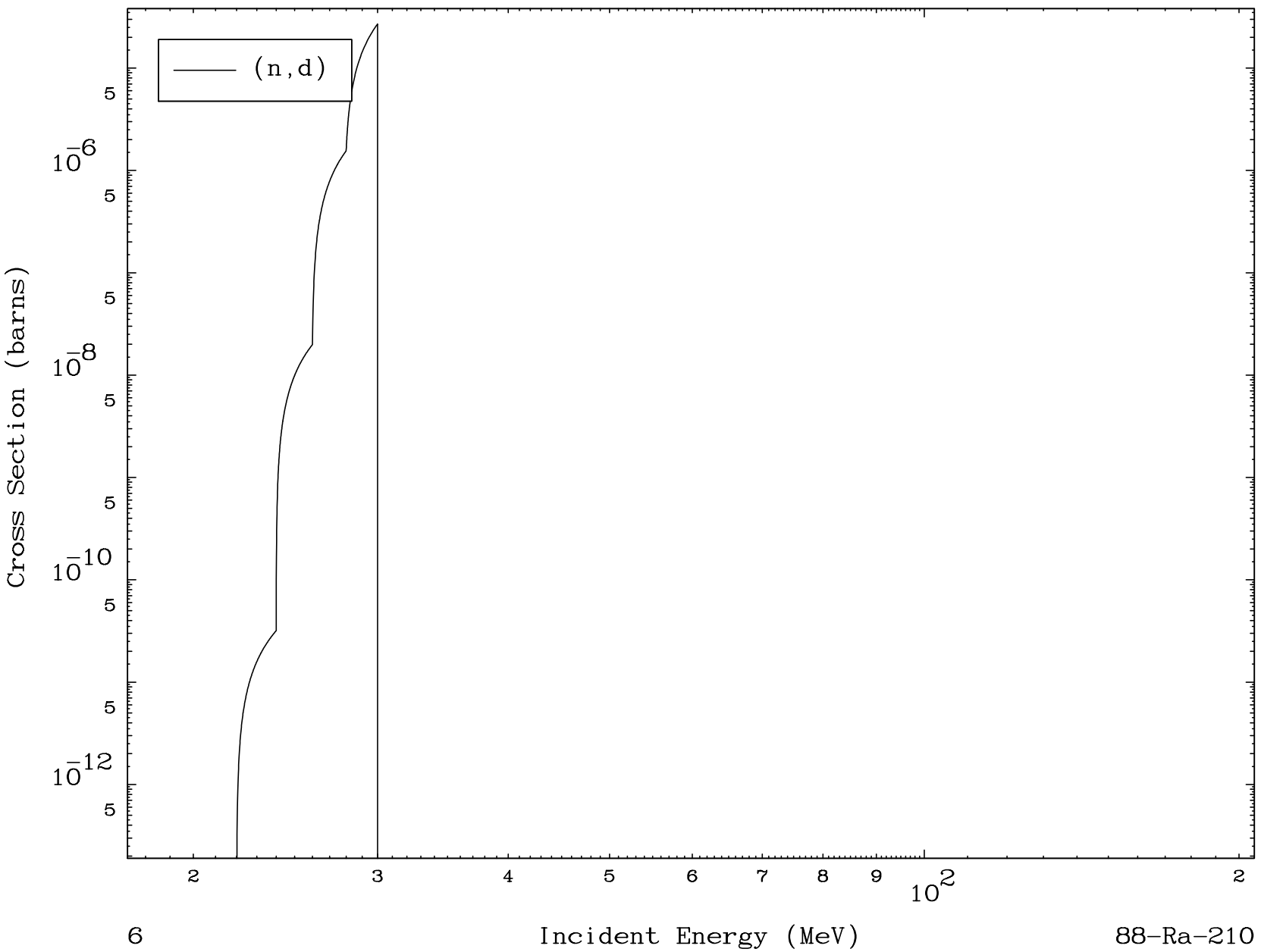

MAT 8786
α Major
88-Ra-210
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
88-Ra-210

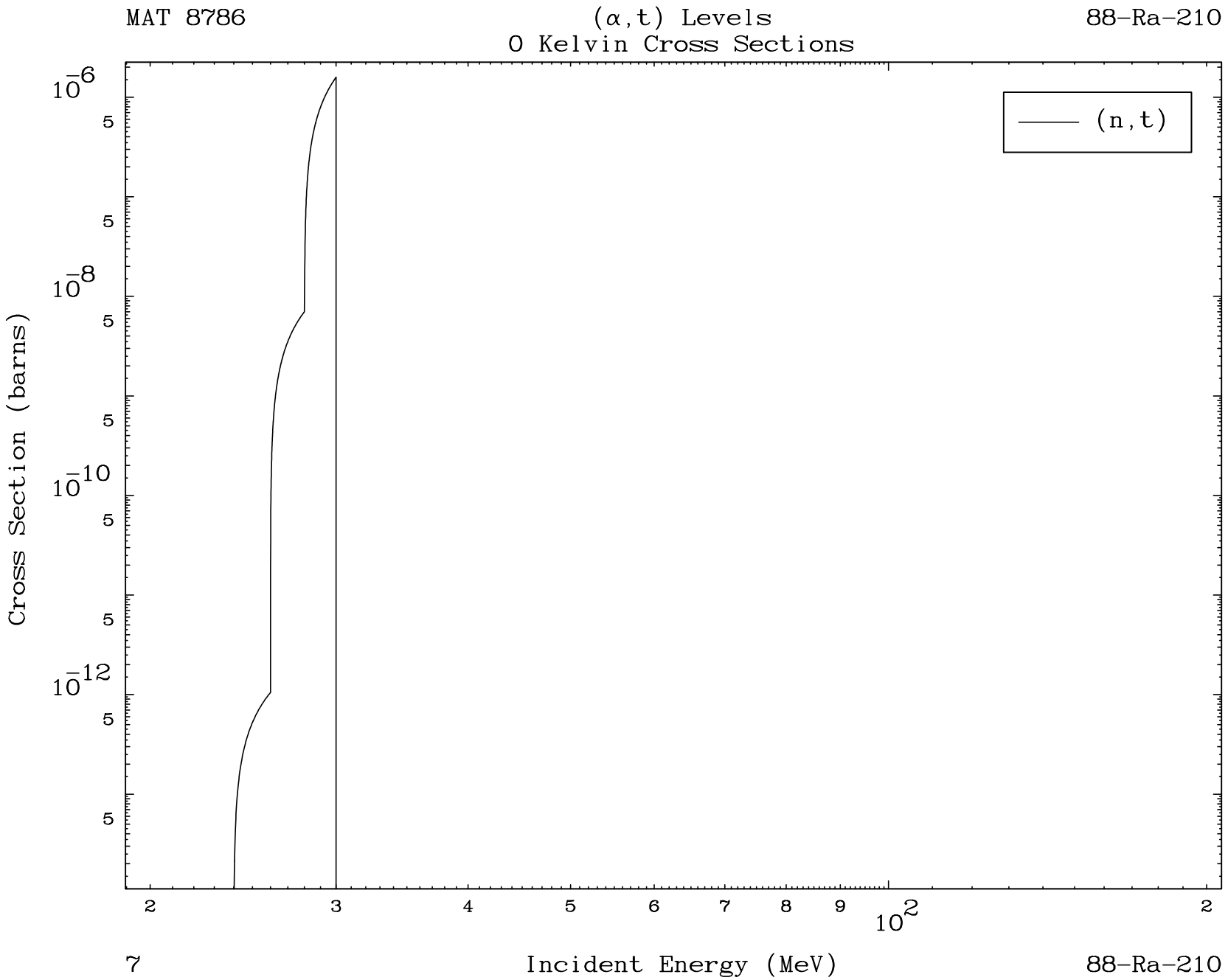

MAT 8786
α Neutron Absorption
0 Kelvin Cross Sections
88-Ra-210
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
88-Ra-210


MAT 8786
α Neutron Absorption
0 Kelvin Cross Sections
88-Ra-210
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
88-Ra-210

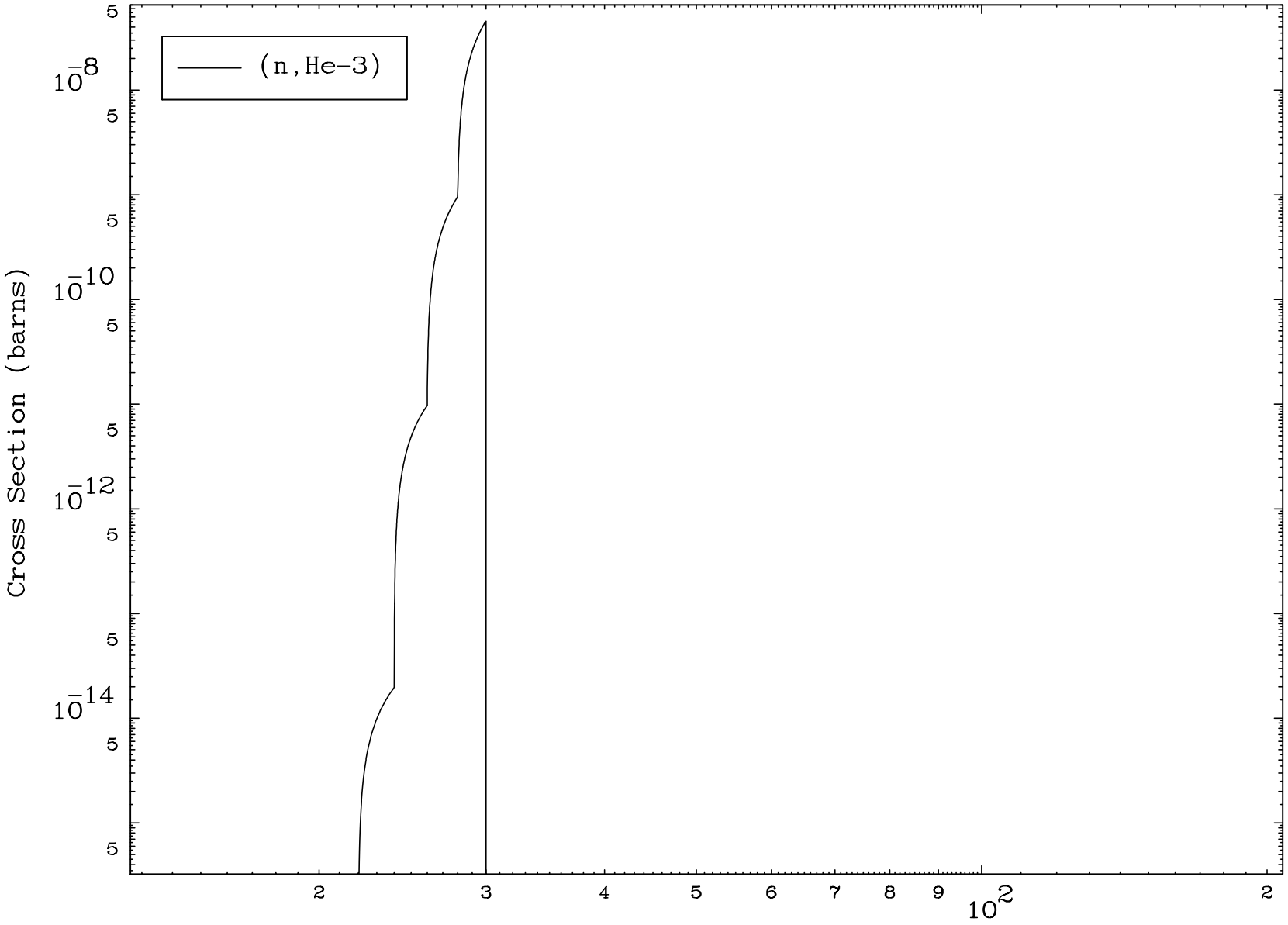

MAT 8786
α Charged Particle
0 Kelvin Cross Sections
88-Ra-210
(n,n') α
(n,2n) α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
4
88-Ra-210

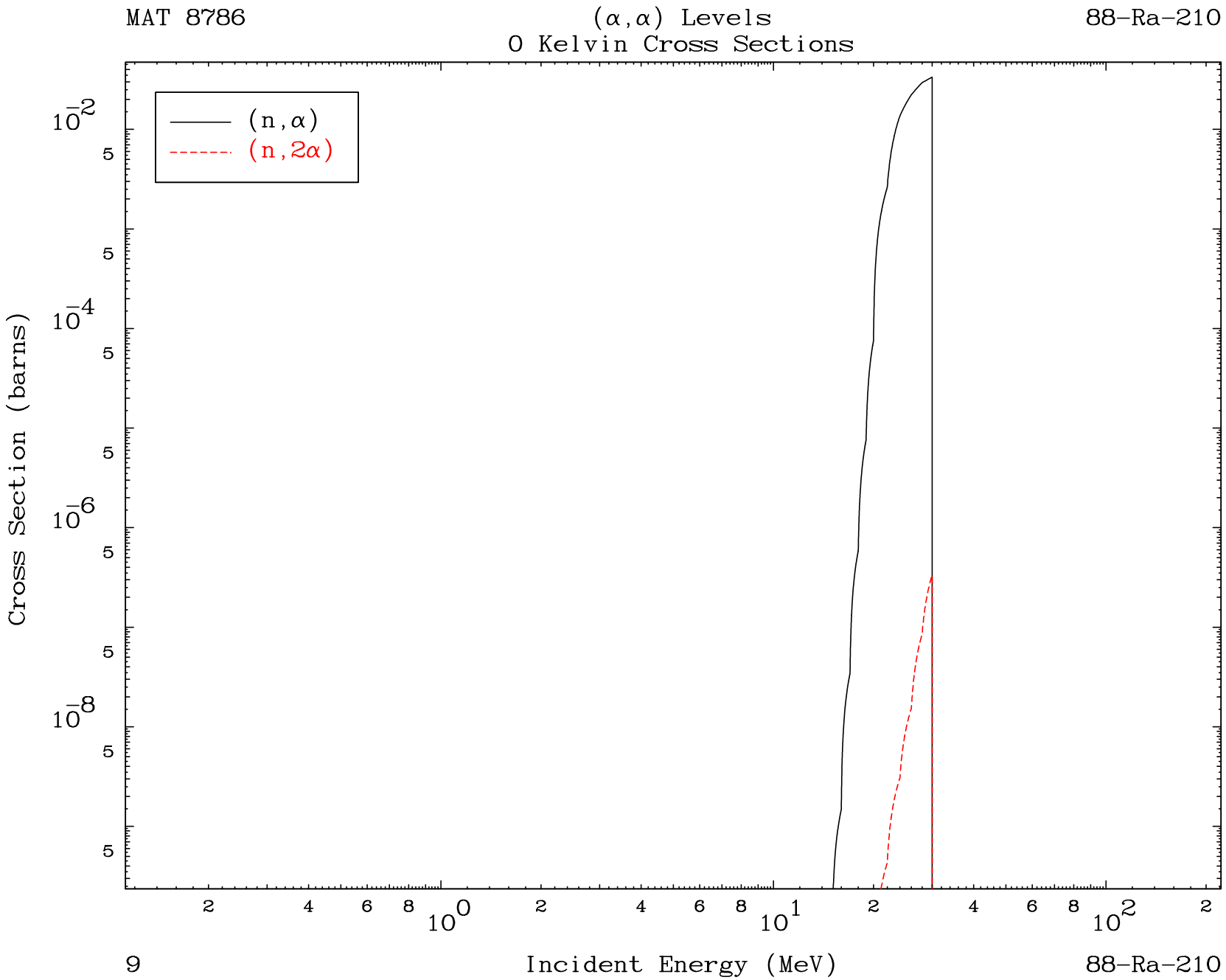

MAT 8786
(α,p) Levels
88-Ra-210
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
5
88-Ra-210

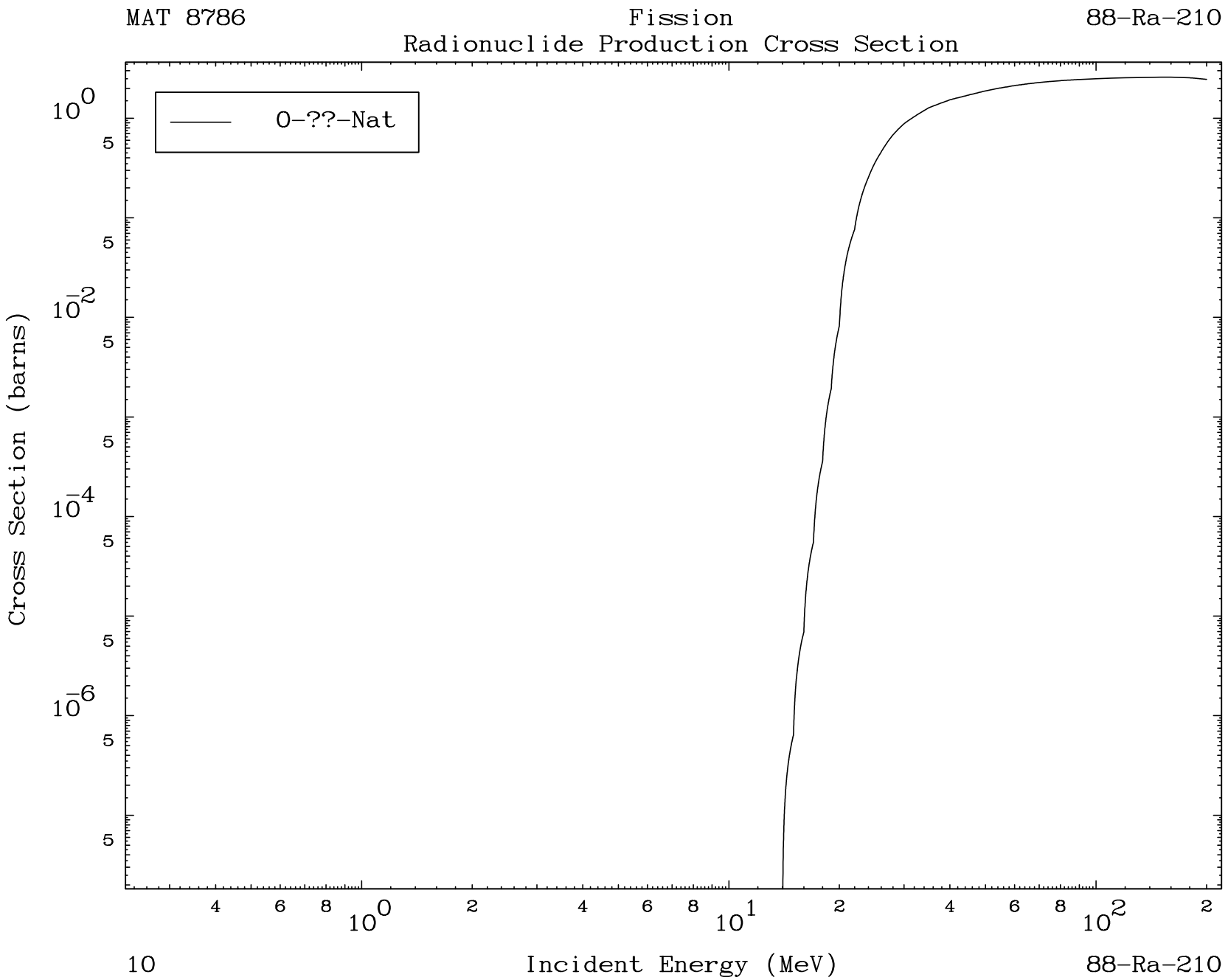

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


MAT 8786
(α,t) Levels
88-Ra-210
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
88-Ra-210

0 Kelvin Cross Sections




MAT 8786
(α,α) Levels
88-Ra-210
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
9
88-Ra-210


MAT 8786
Fission
88-Ra-210
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
88-Ra-210