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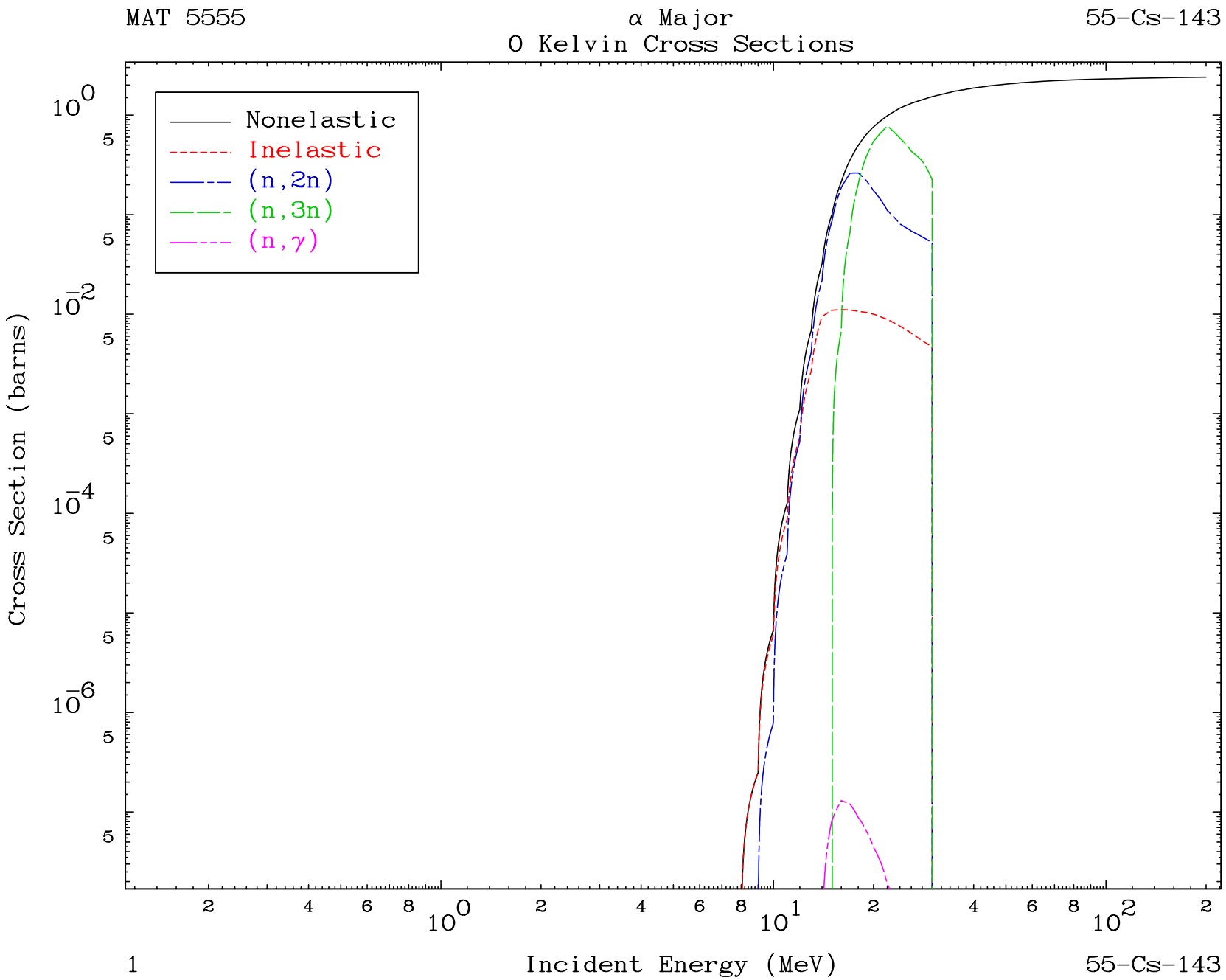
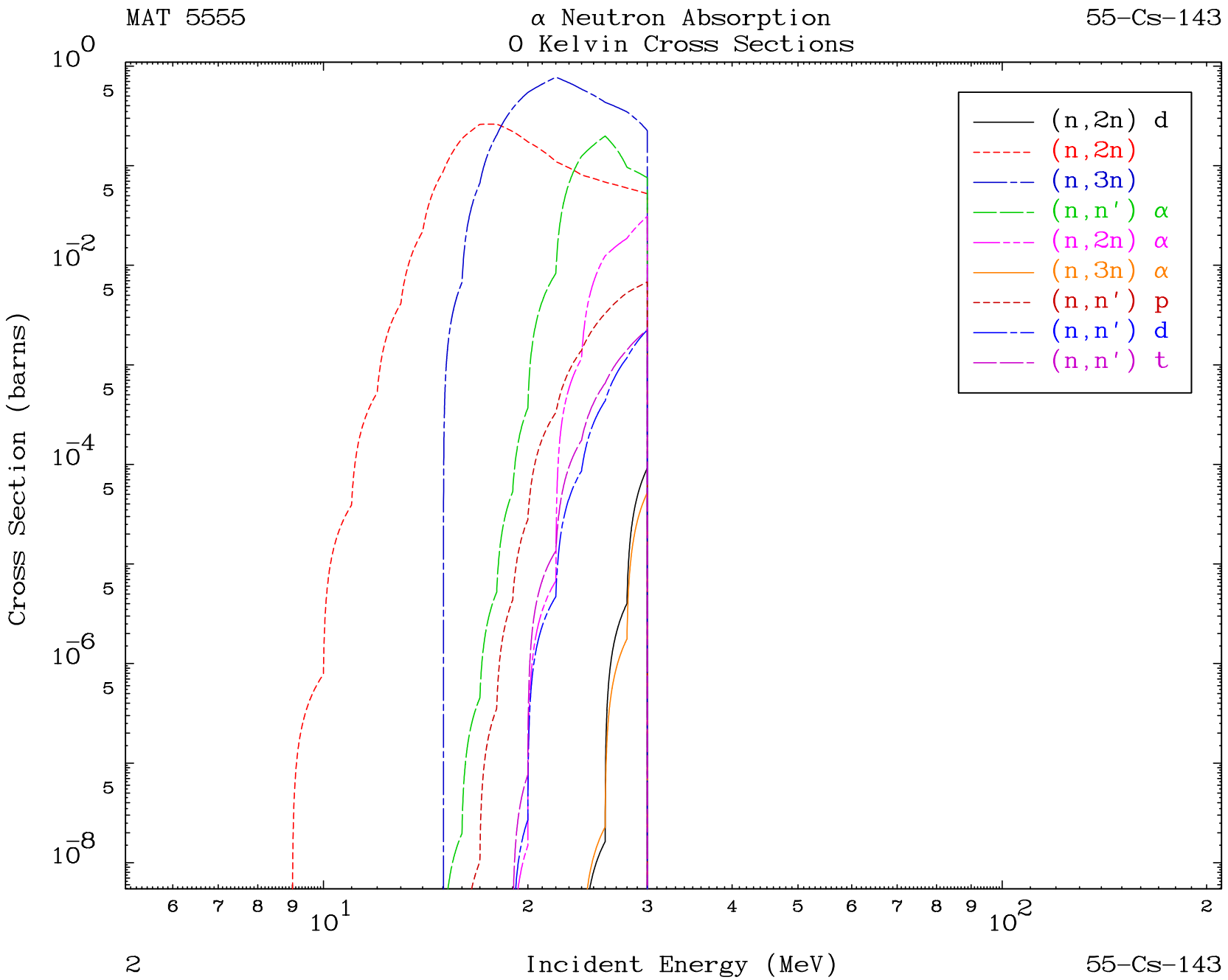
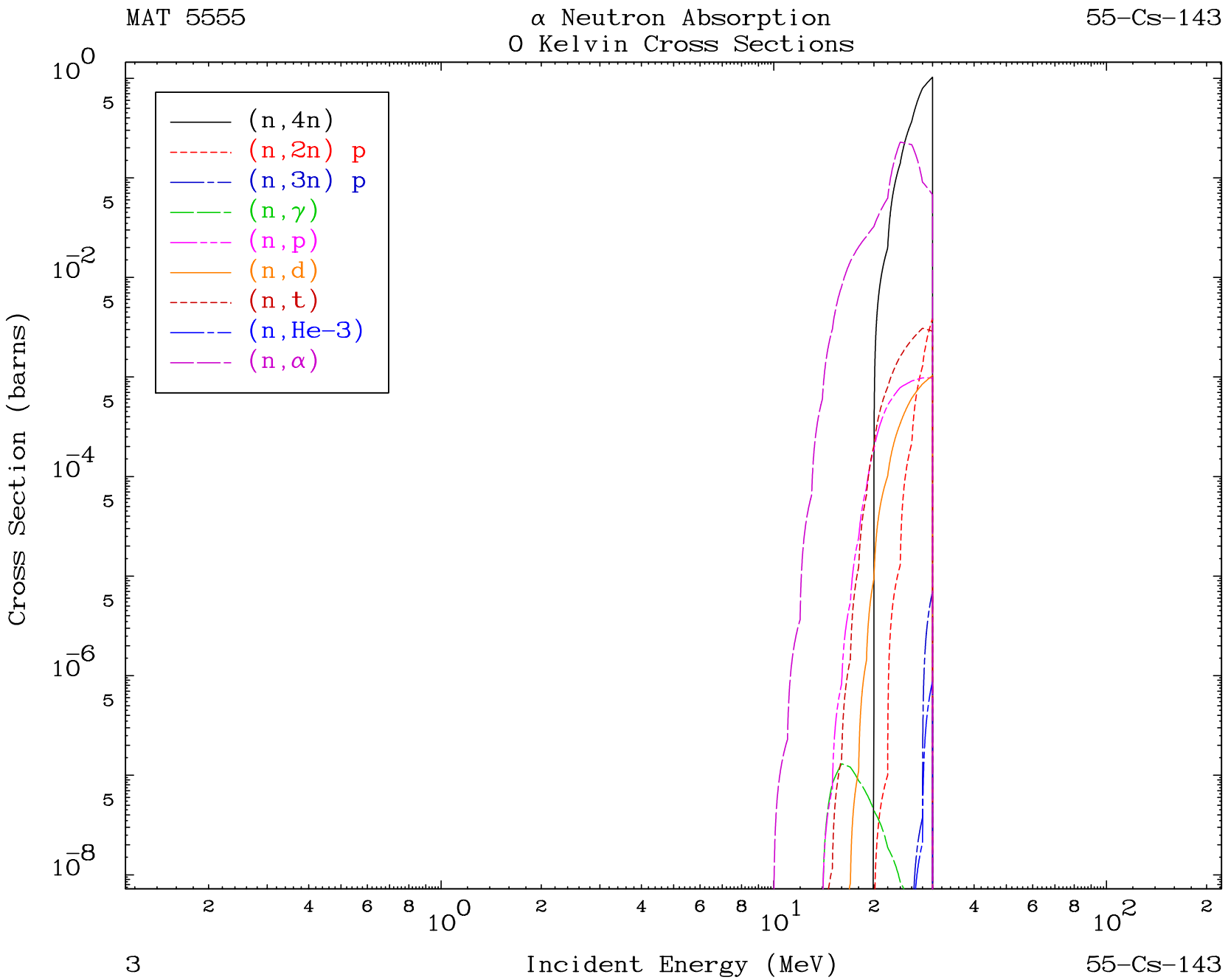
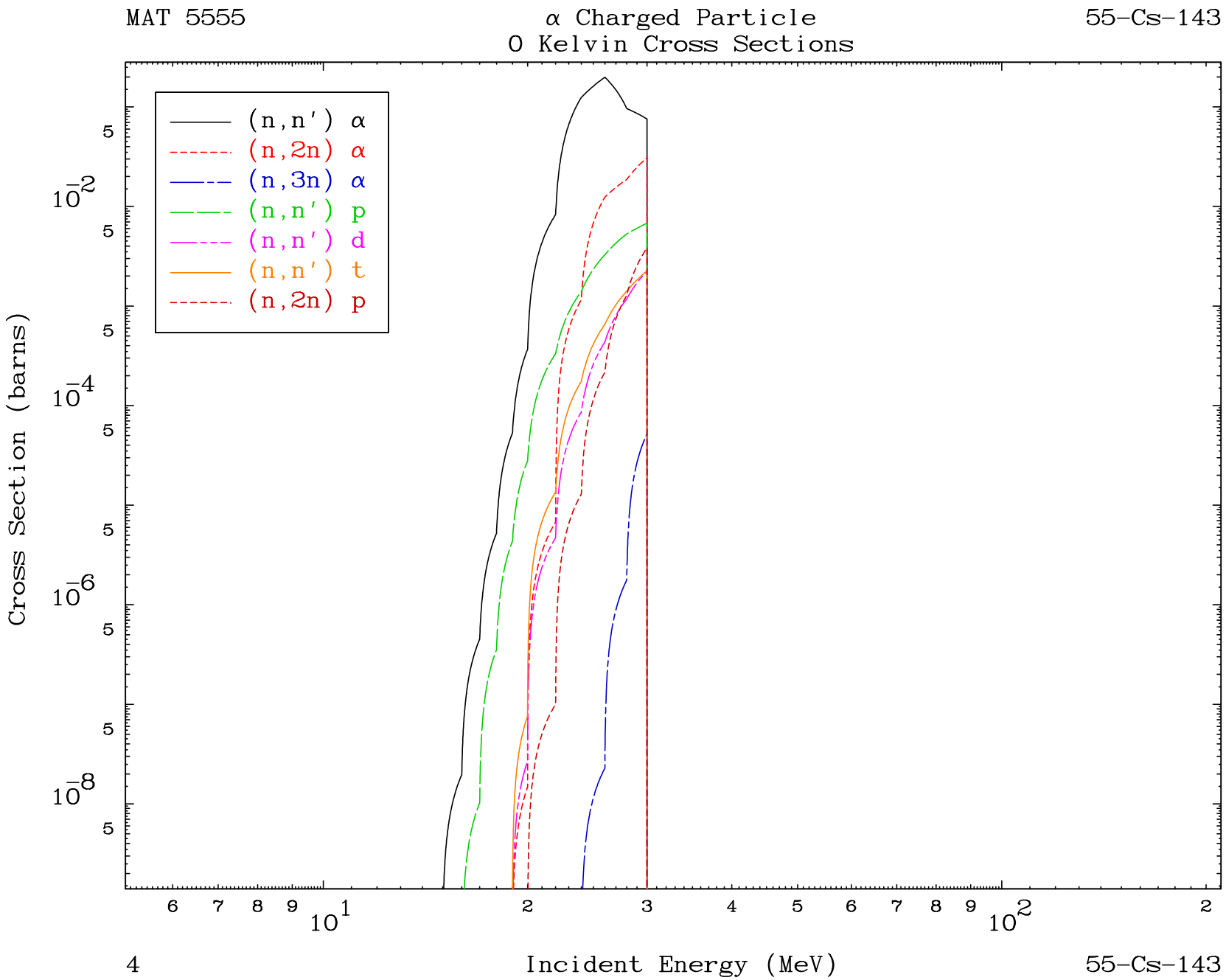
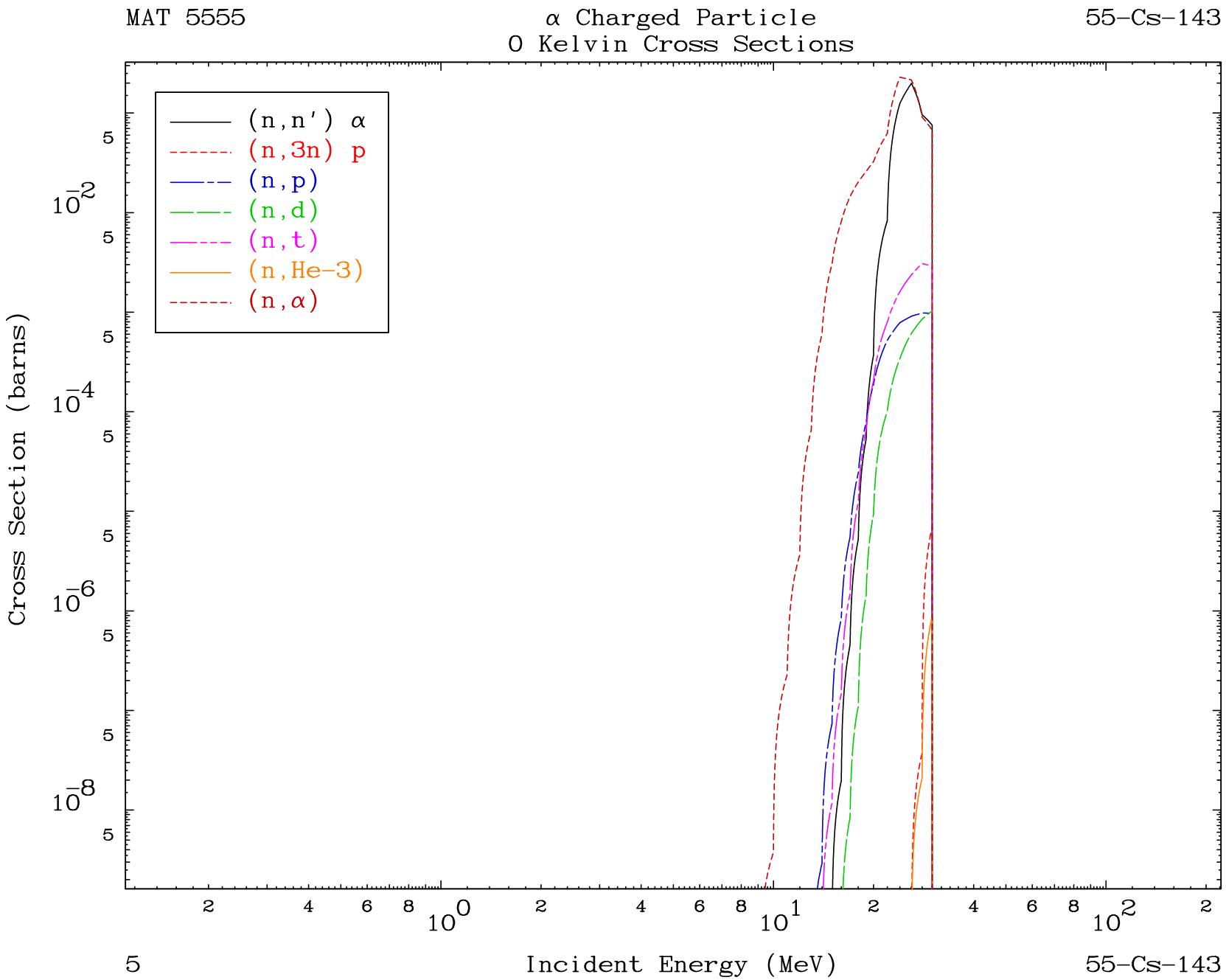
Press Mouse Button to Start

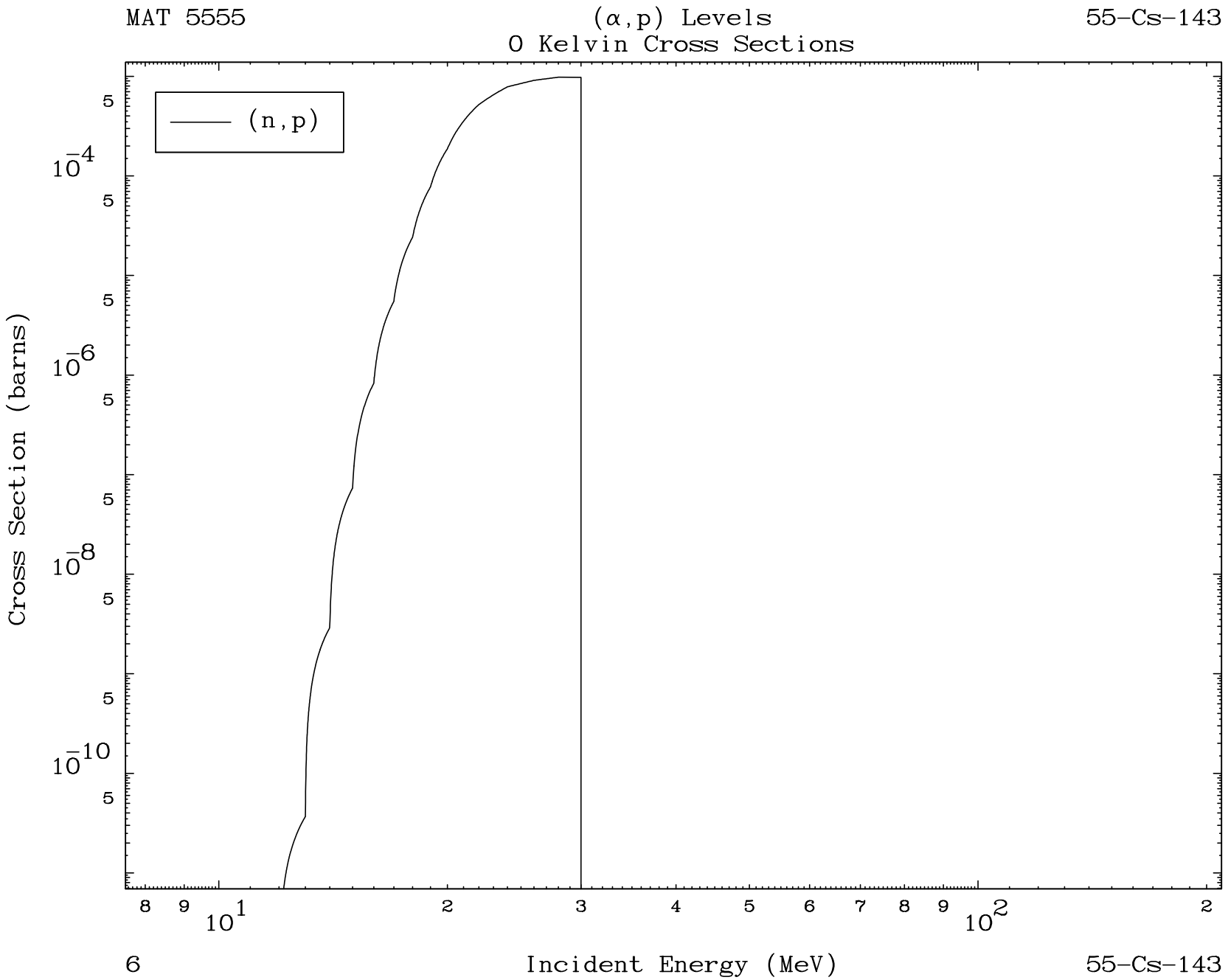

MAT 5555
α Major
55-Cs-143
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-143

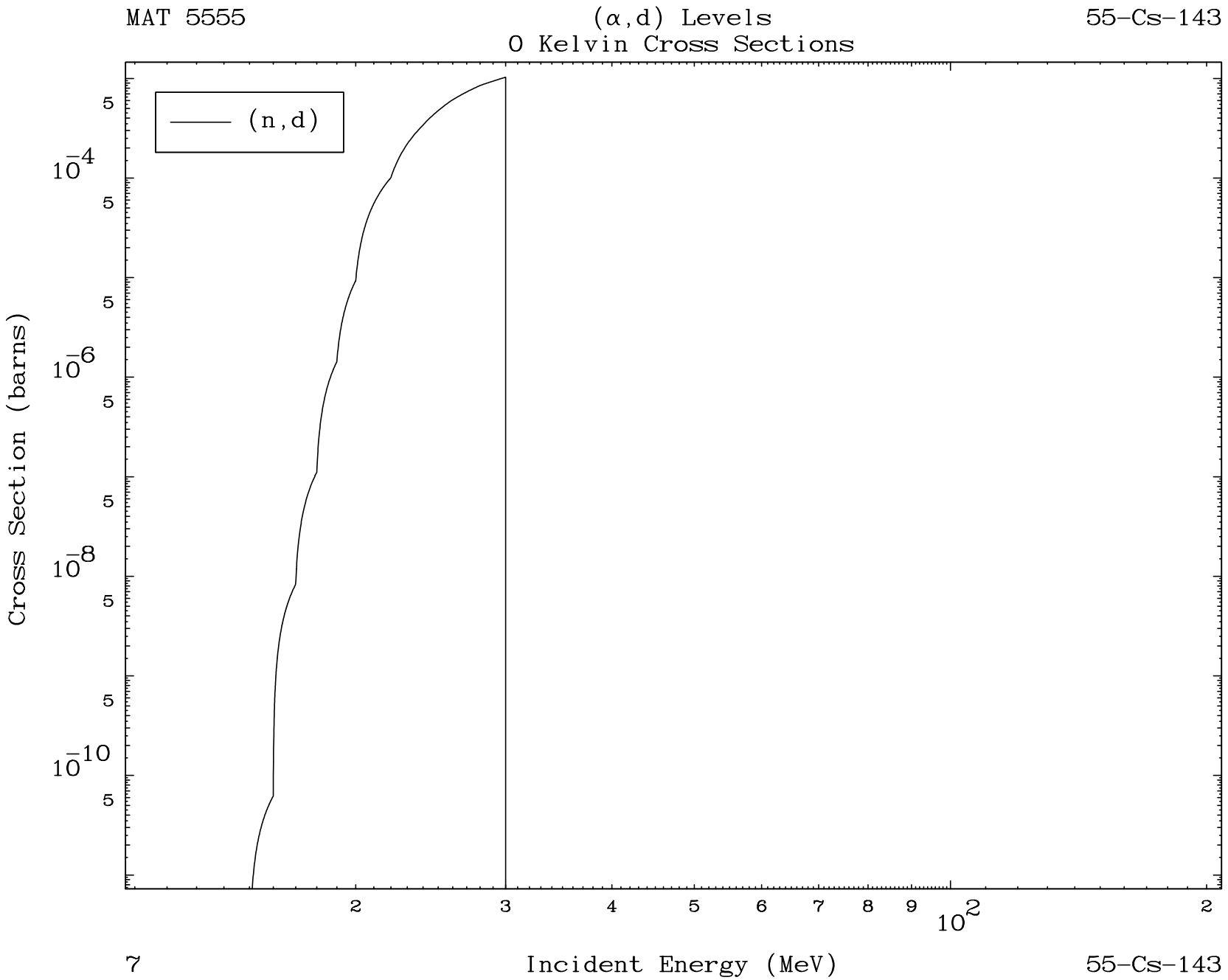

MAT 5555
α Neutron Absorption
0 Kelvin Cross Sections
55-Cs-143
Cross Section (barns)
Incident Energy (MeV)
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
55-Cs-143

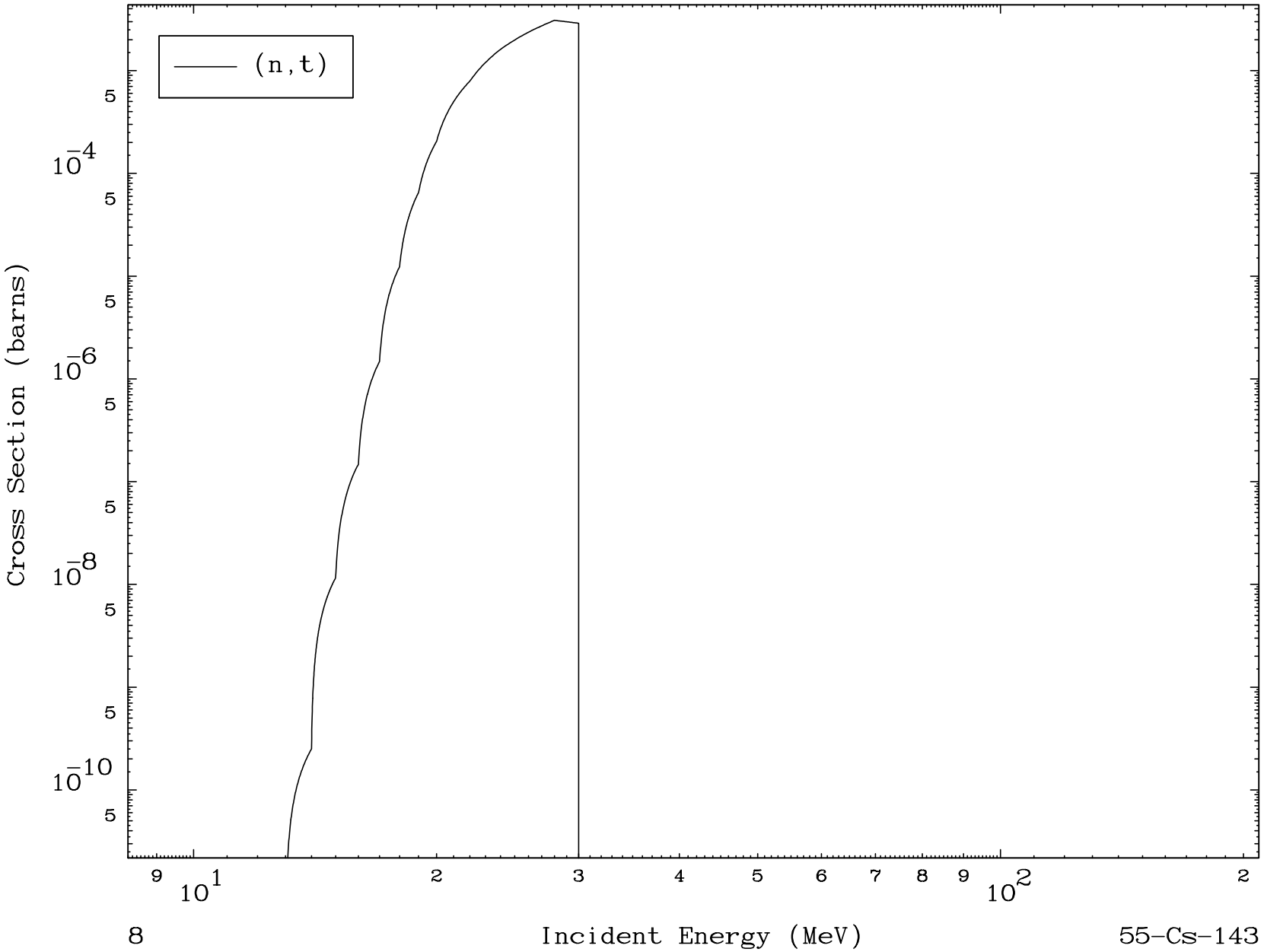

MAT 5555
α Neutron Absorption
0 Kelvin Cross Sections
55-Cs-143
(n,4n)
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
55-Cs-143

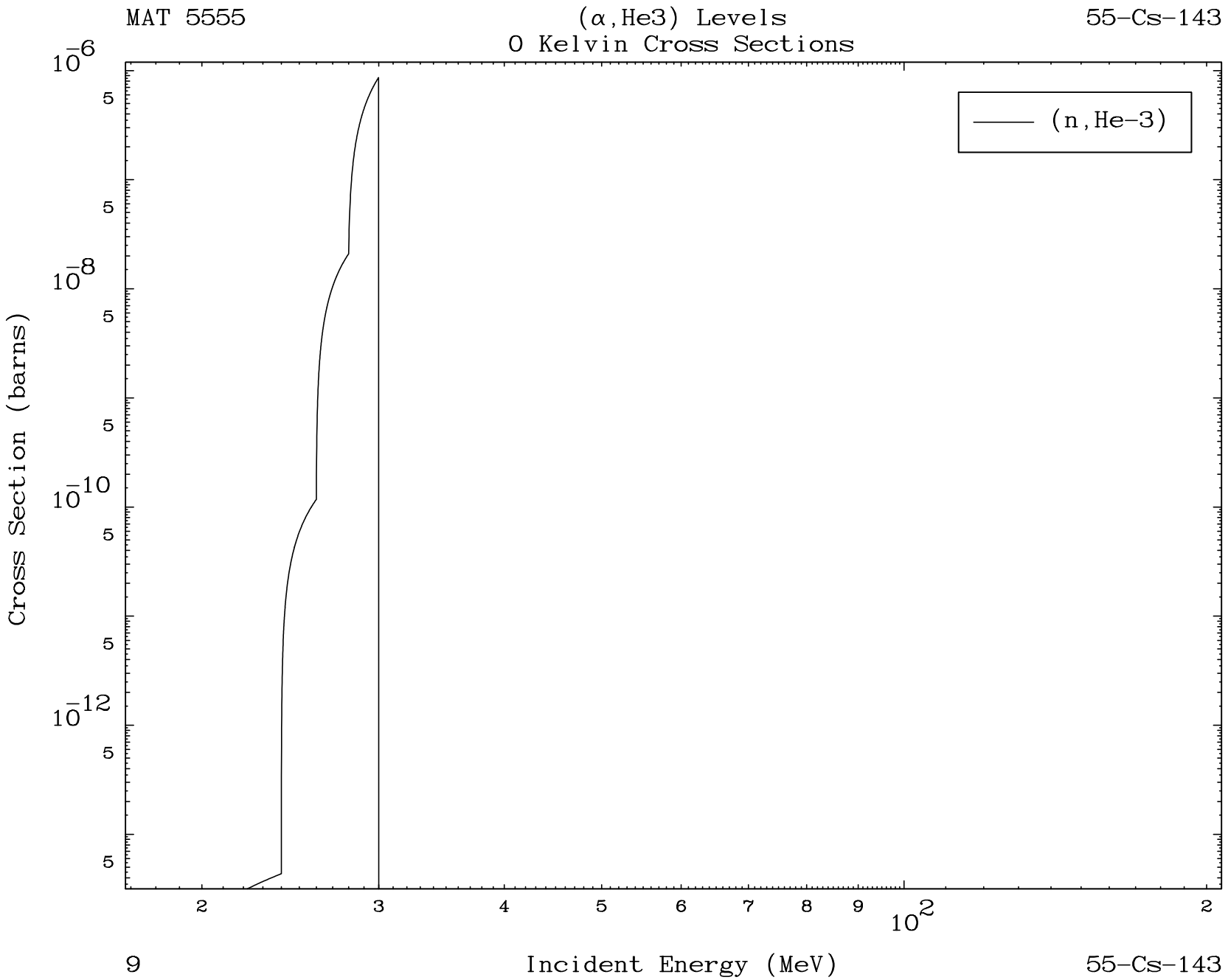

MAT 5555
α Charged Particle
0 Kelvin Cross Sections
55-Cs-143
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
55-Cs-143

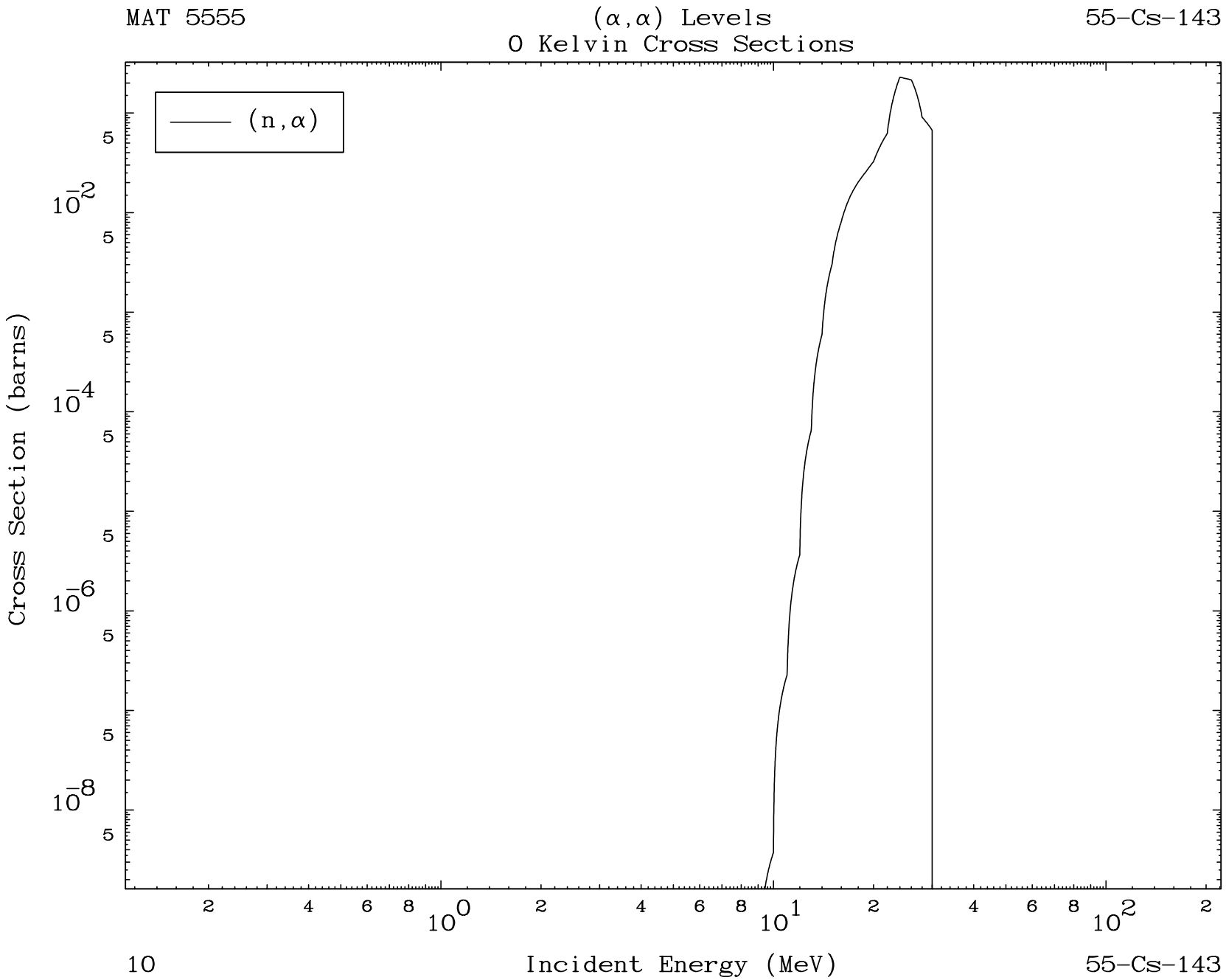

MAT 5555
α Charged Particle
0 Kelvin Cross Sections
55-Cs-143
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-143
5

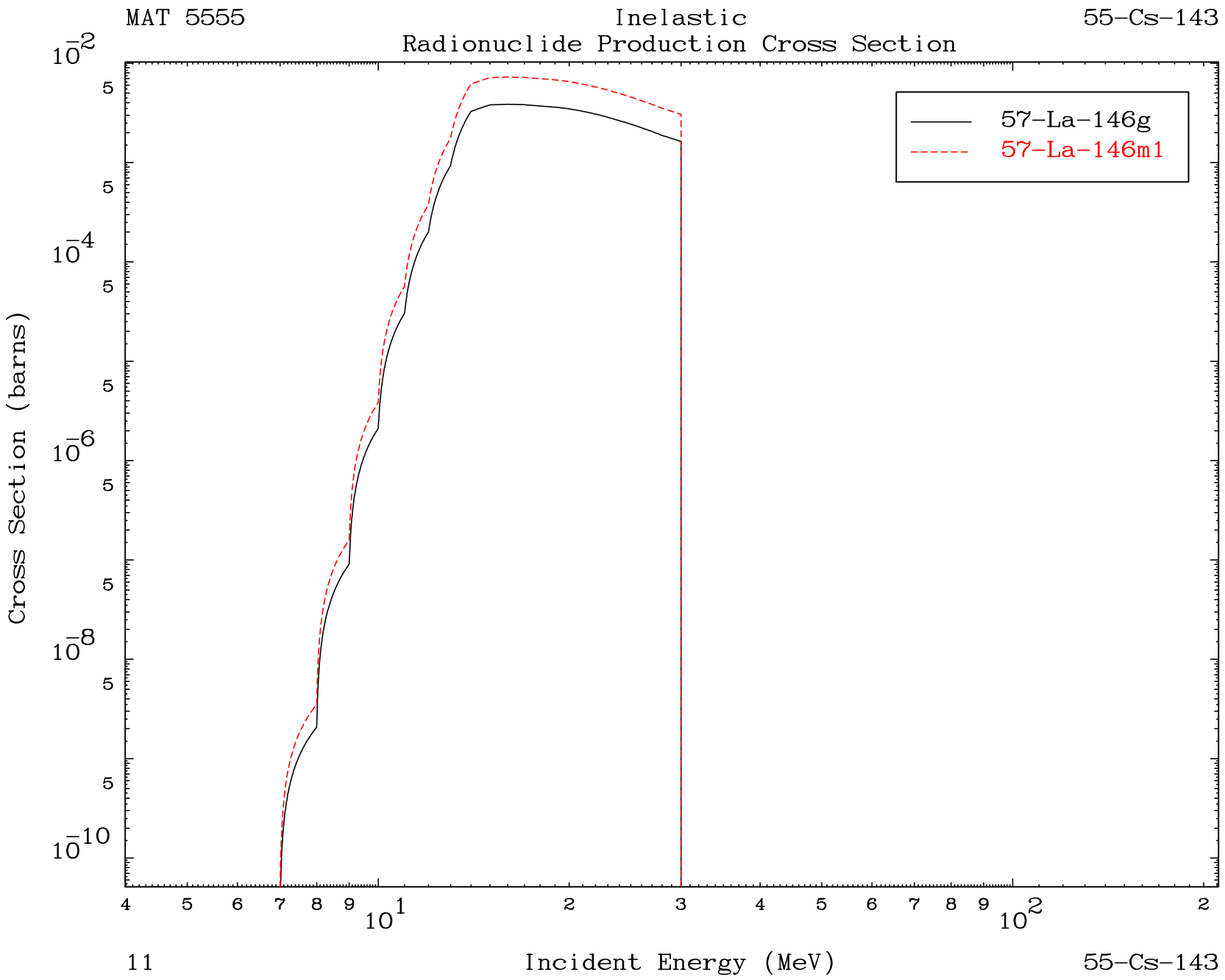

MAT 5555
(α,p) Levels
55-Cs-143
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
6
55-Cs-143


MAT 5555
(α,d) Levels
55-Cs-143
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
7
55-Cs-143


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


MAT 5555
(α,He3) Levels
0 Kelvin Cross Sections
55-Cs-143
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
55-Cs-143


MAT 5555
(α,α) Levels
55-Cs-143
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
55-Cs-143


MAT 5555
Inelastic
55-Cs-143
Radionuclide Production Cross Section
57-La-146g
57-La-146m1
Cross Section (barns)
Incident Energy (MeV)
11
55-Cs-143