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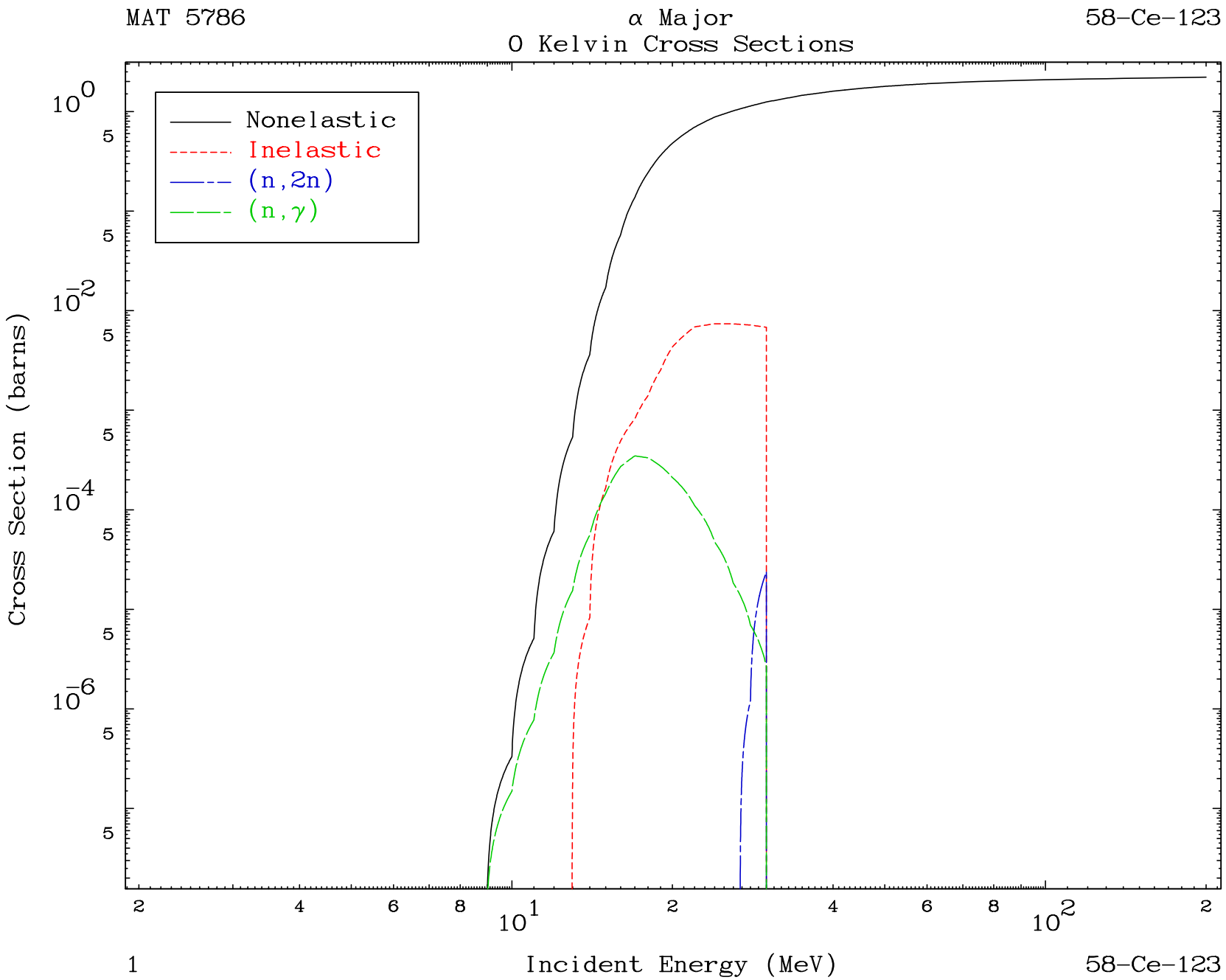
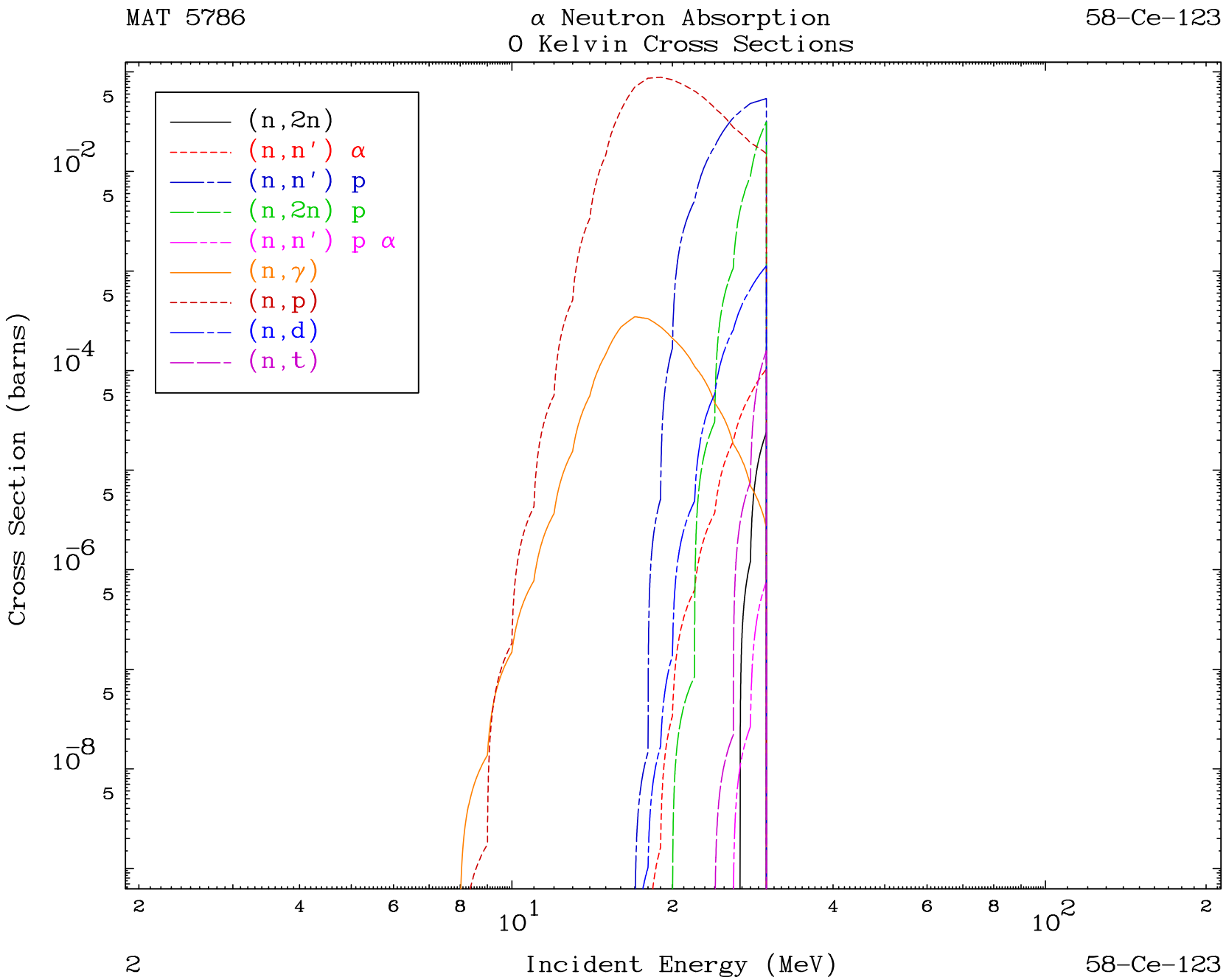
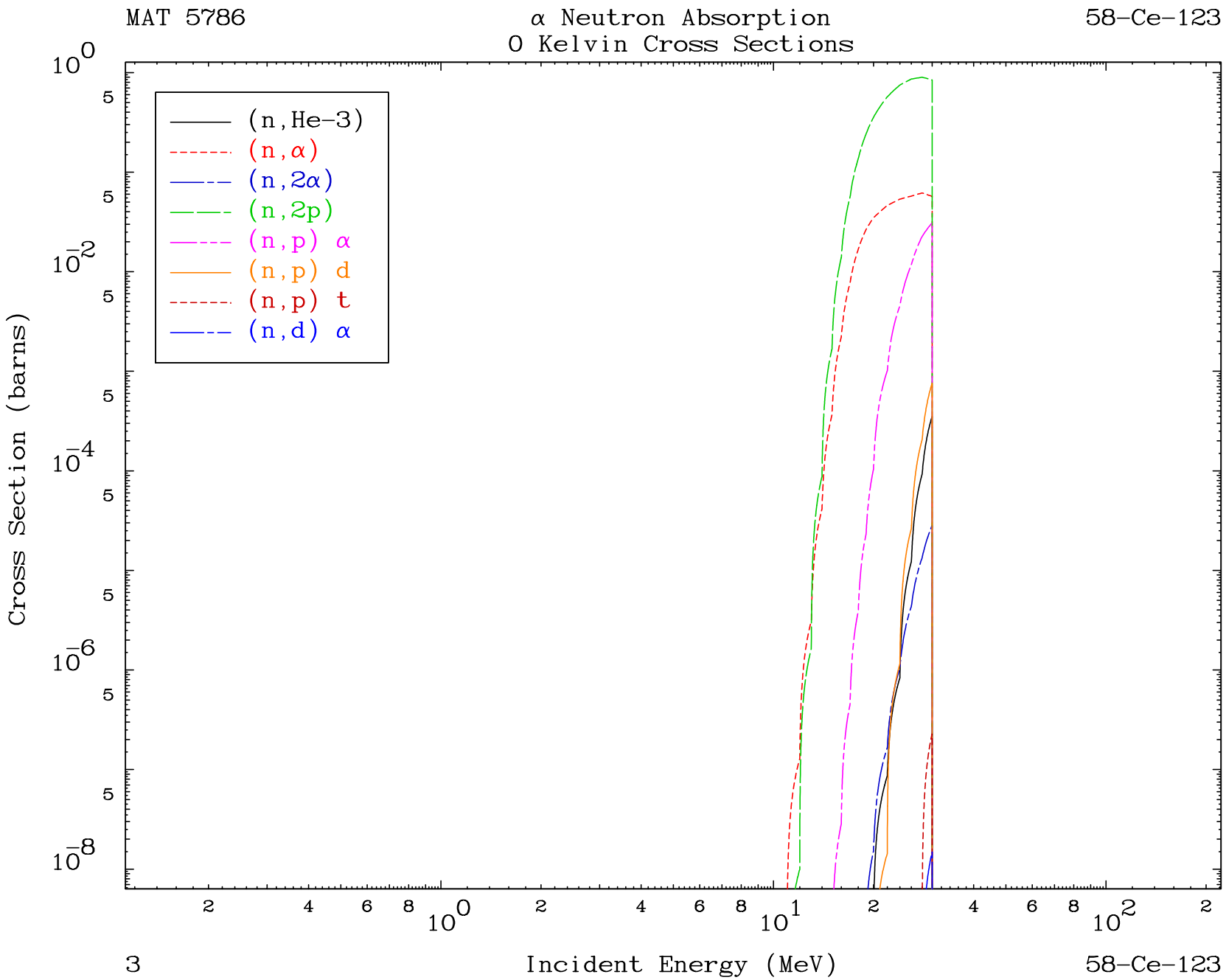
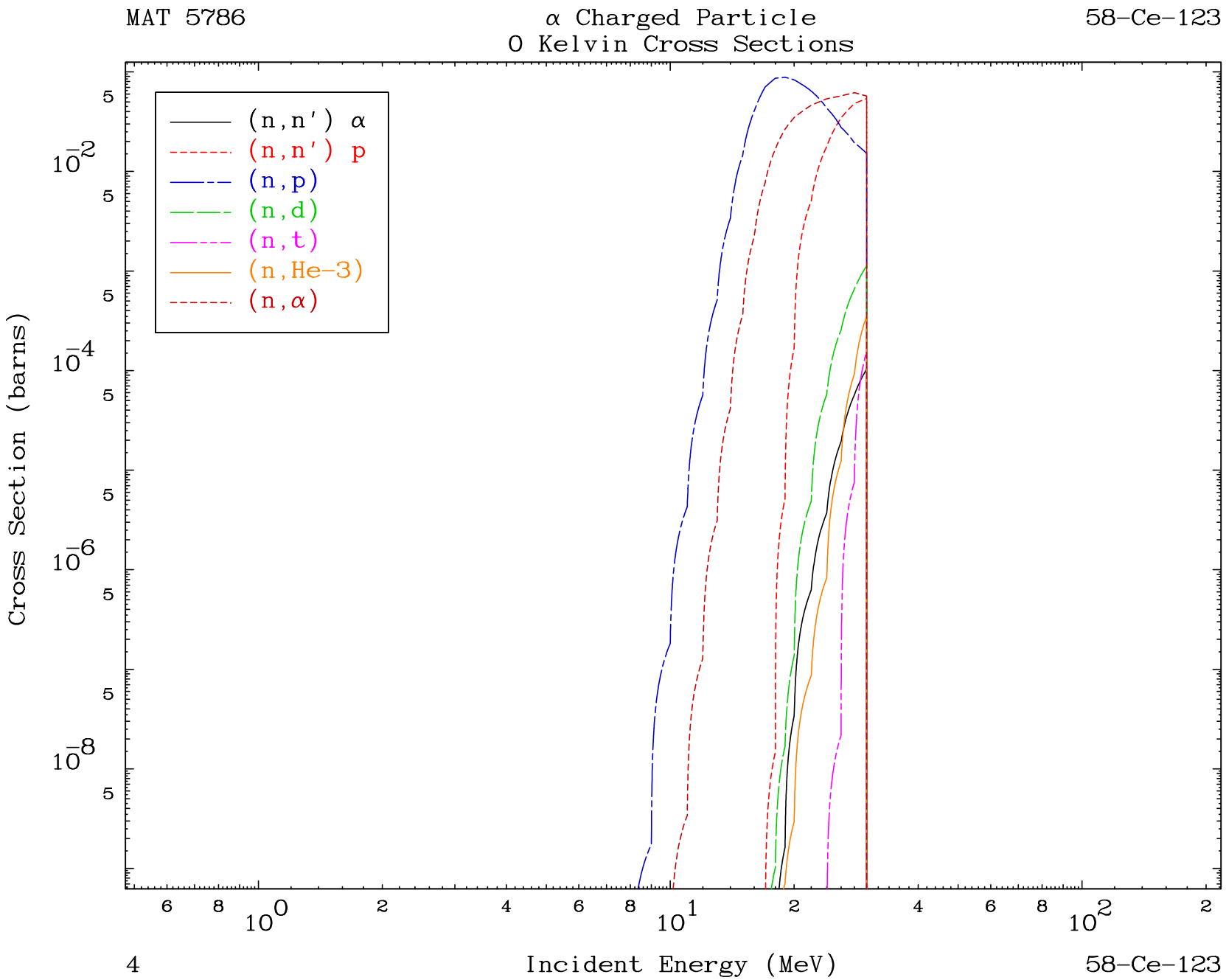
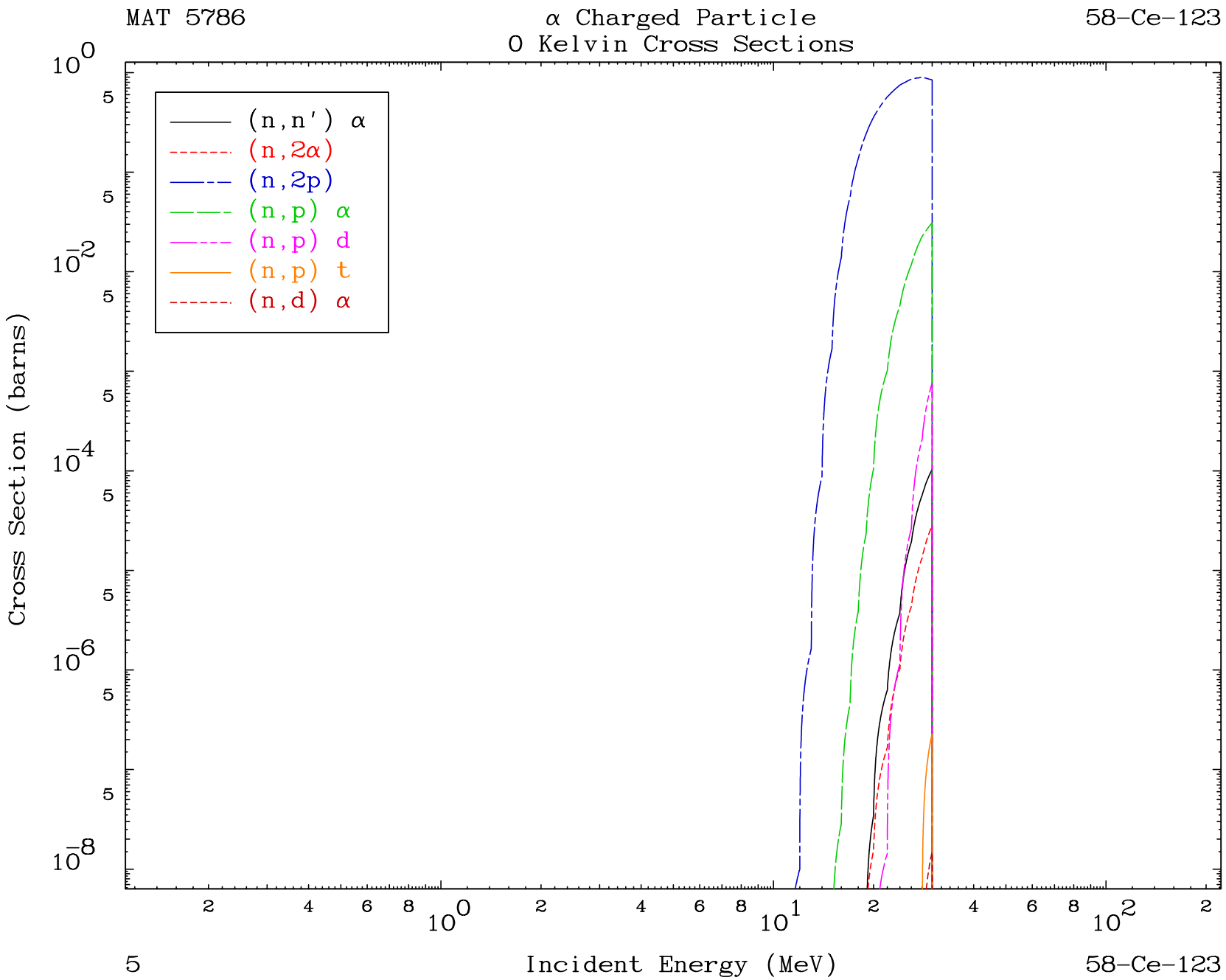
Press Mouse Button to Start

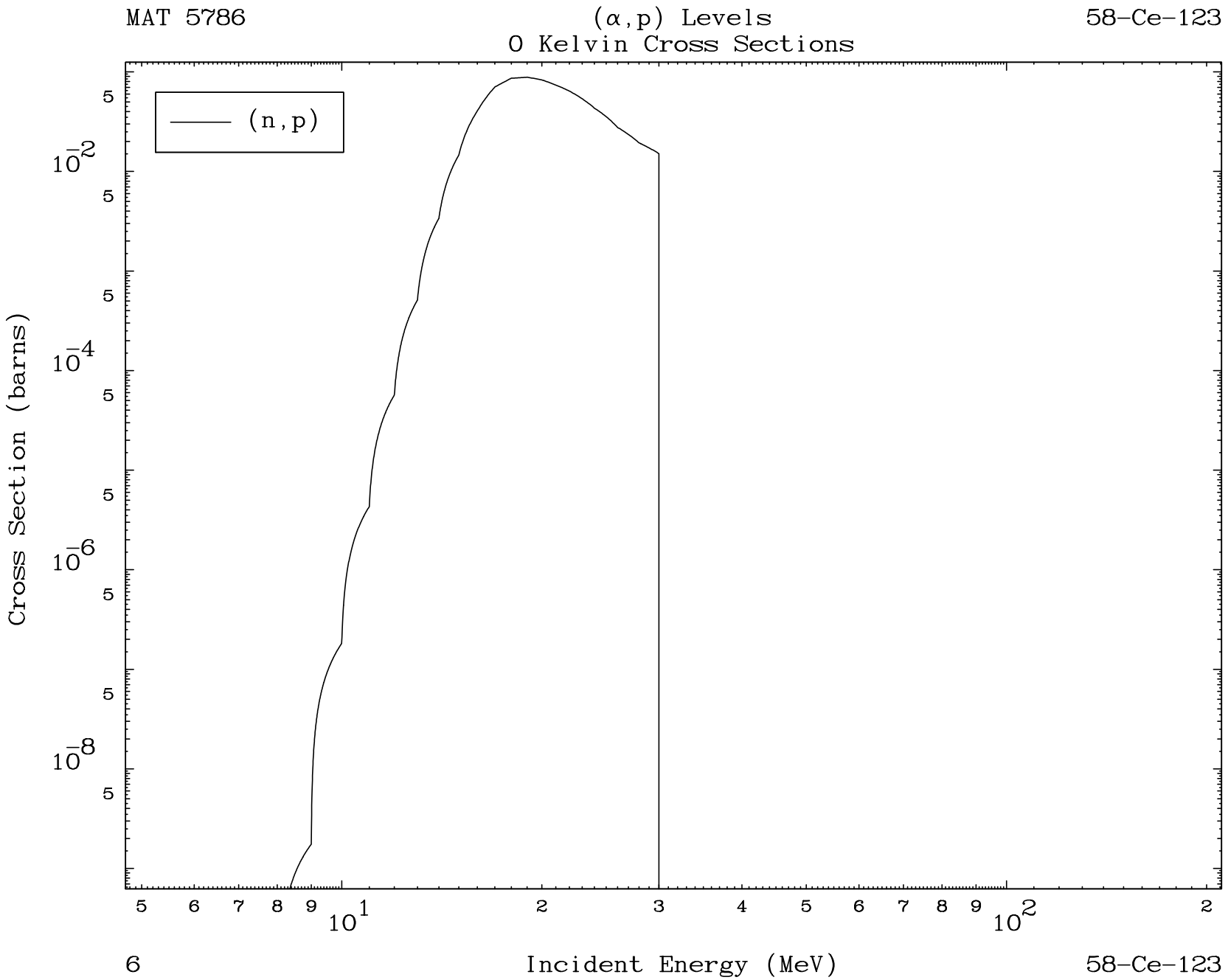

MAT 5786
α Major
58-Ce-123
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-123

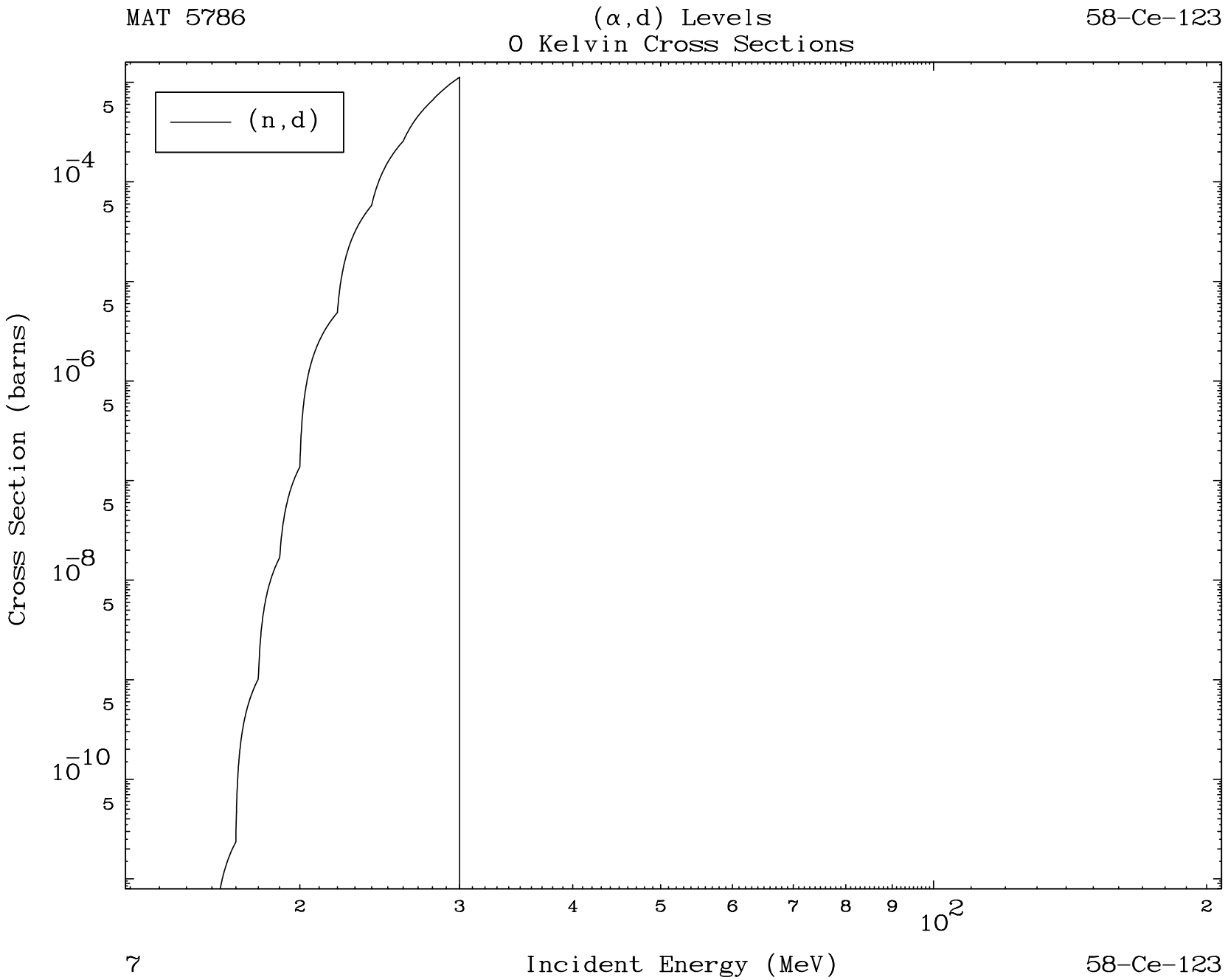

MAT 5786
α Neutron Absorption
0 Kelvin Cross Sections
58-Ce-123
(n,2n)
(n,n') α
(n,n') p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-123

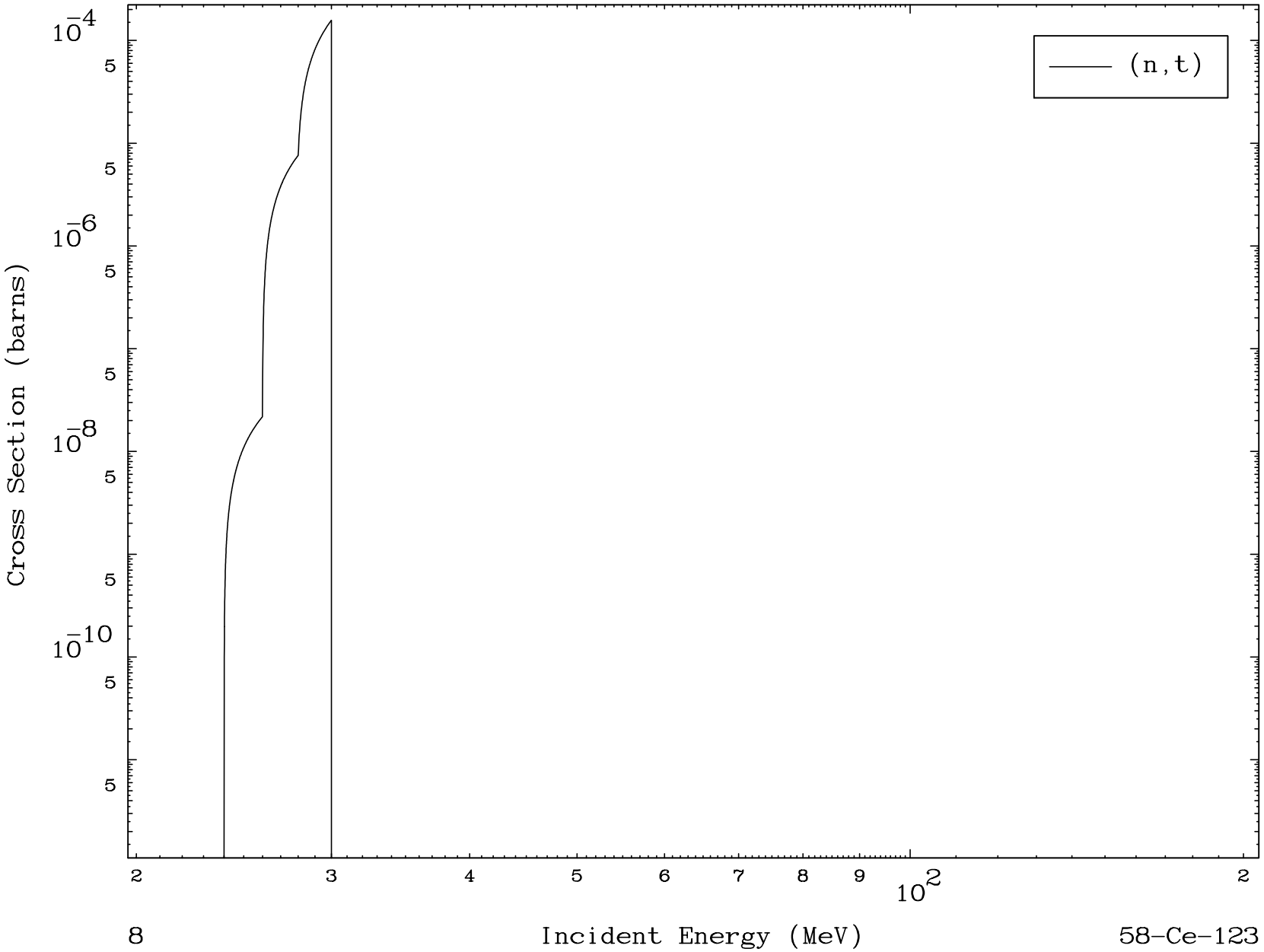

MAT 5786
α Neutron Absorption
0 Kelvin Cross Sections
58-Ce-123
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
58-Ce-123

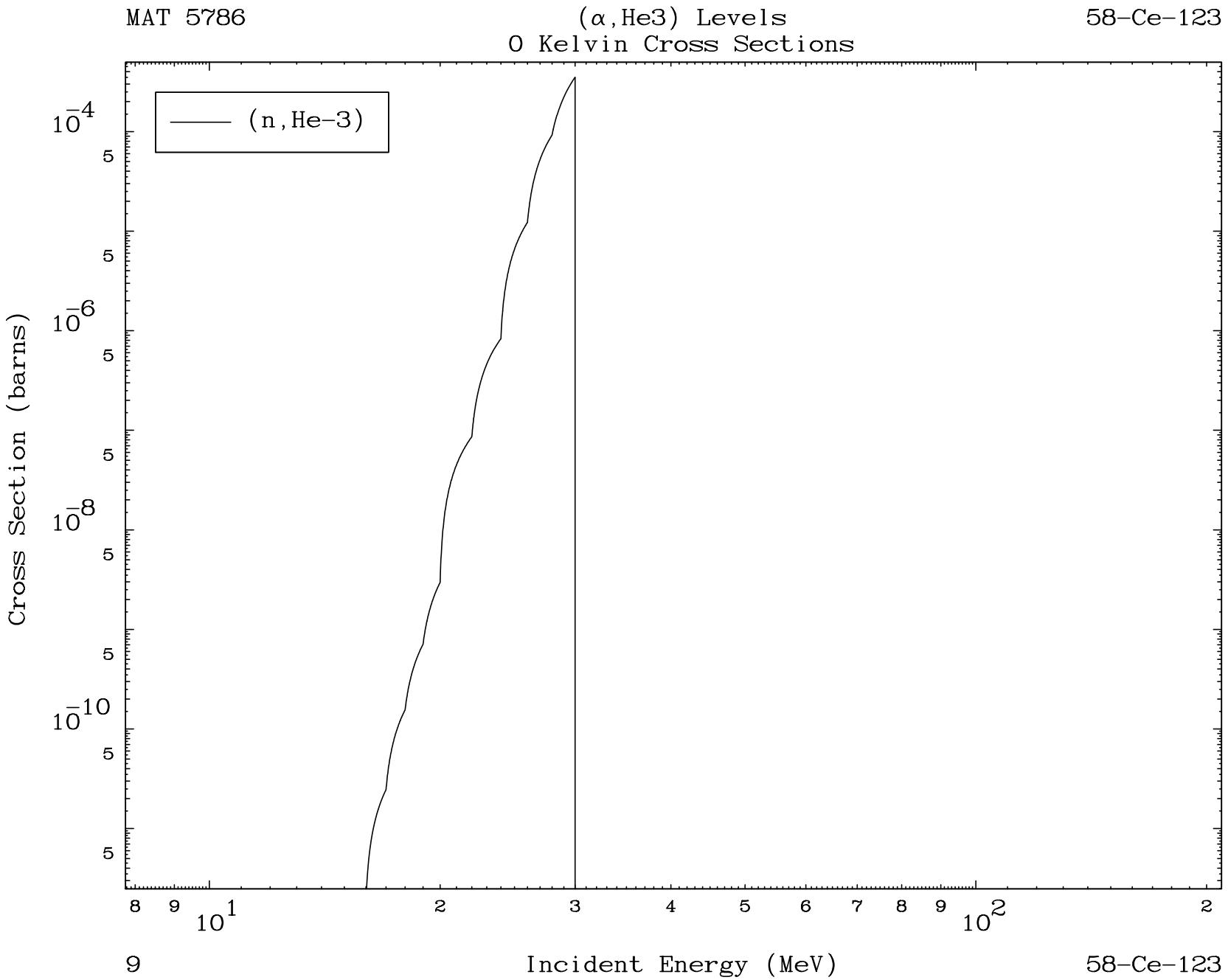

MAT 5786
α Charged Particle
0 Kelvin Cross Sections
58-Ce-123
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
58-Ce-123

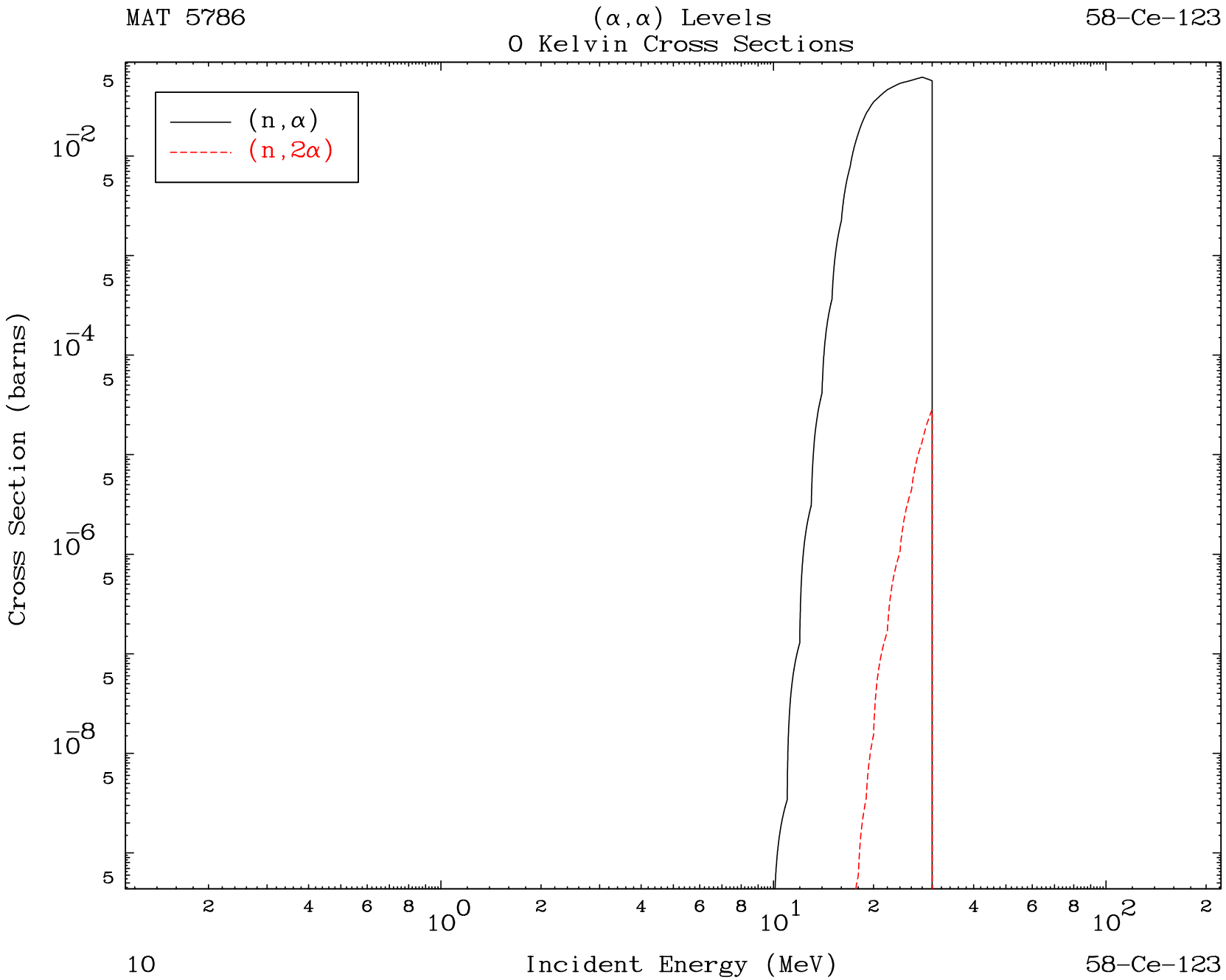

MAT 5786
α Charged Particle
0 Kelvin Cross Sections
58-Ce-123
(n,n') α
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
58-Ce-123
5


MAT 5786
(α,p) Levels
58-Ce-123
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
6
58-Ce-123


MAT 5786
(α,d) Levels
58-Ce-123
0 Kelvin Cross Sections
(n,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)
7
58-Ce-123


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


MAT 5786
(α,He3) Levels
0 Kelvin Cross Sections
58-Ce-123
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
58-Ce-123


MAT 5786
(α,α) Levels
58-Ce-123
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-123