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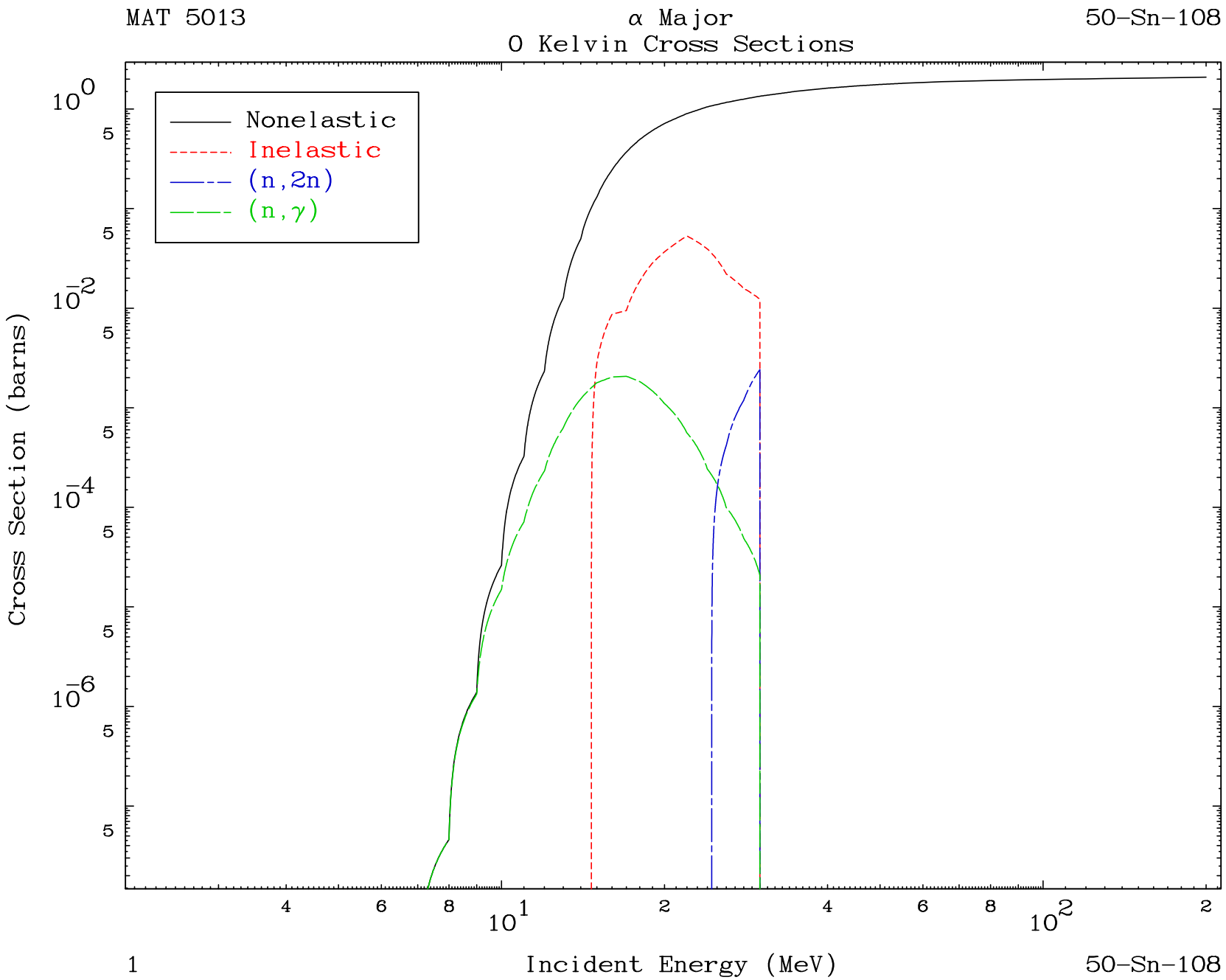
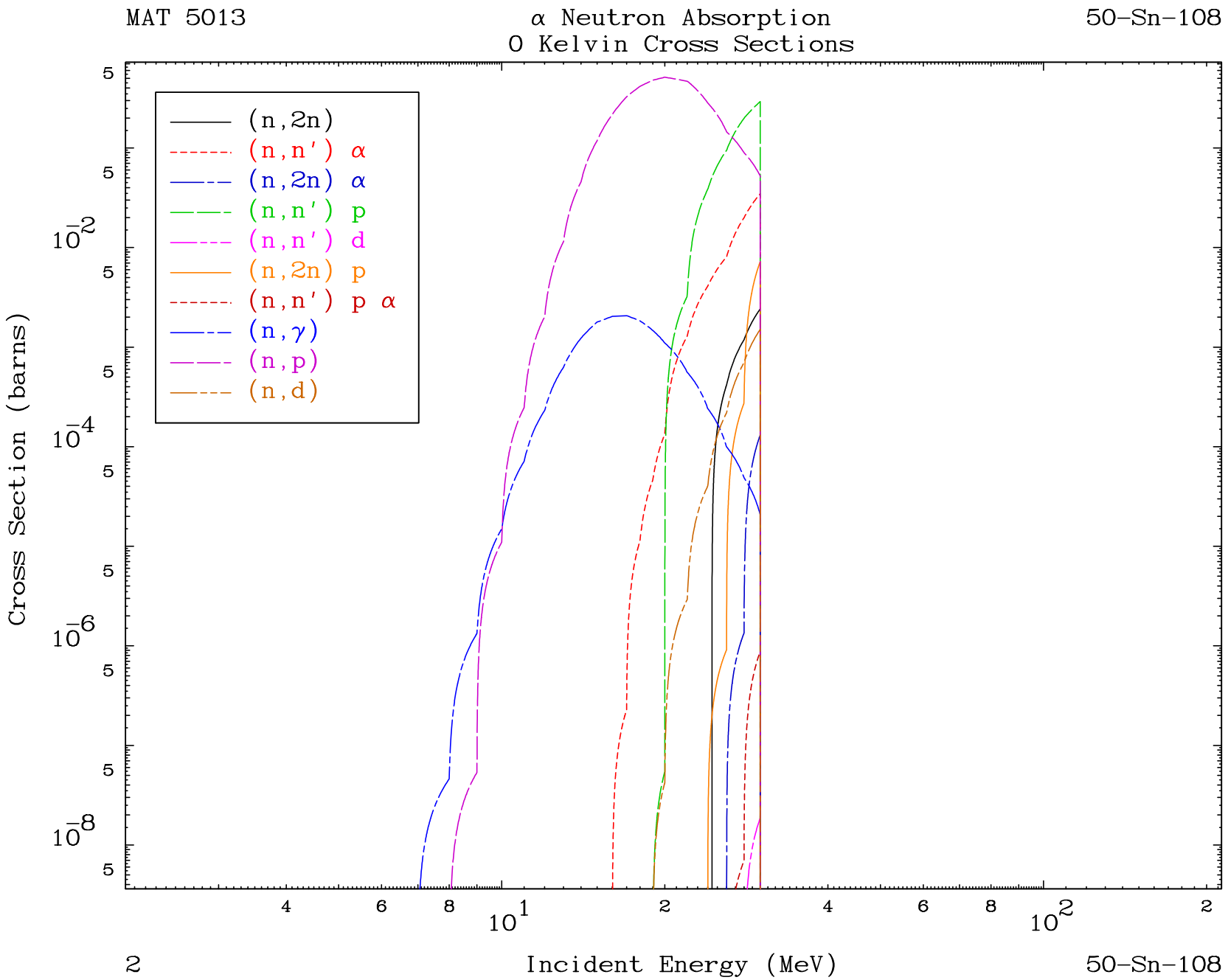
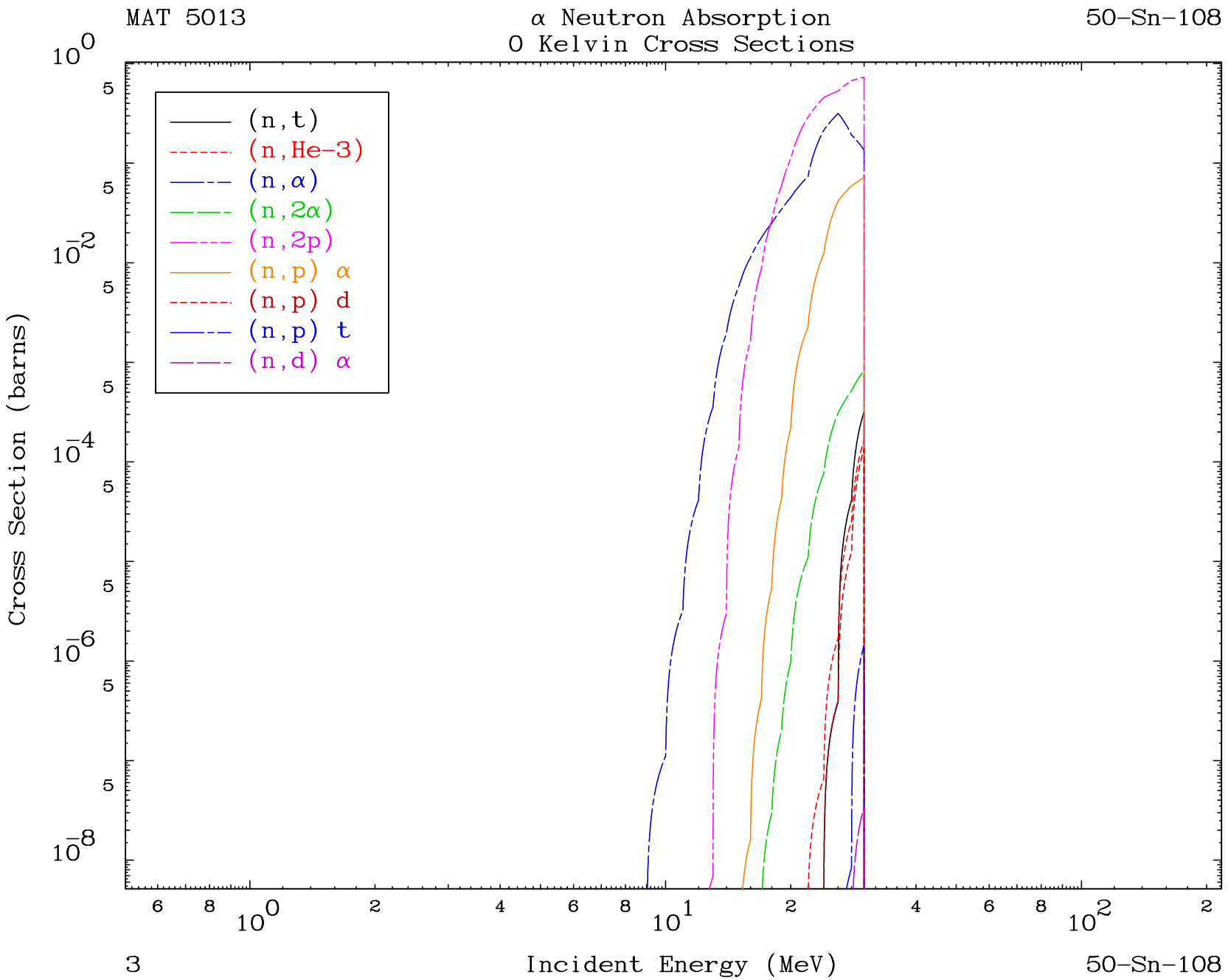
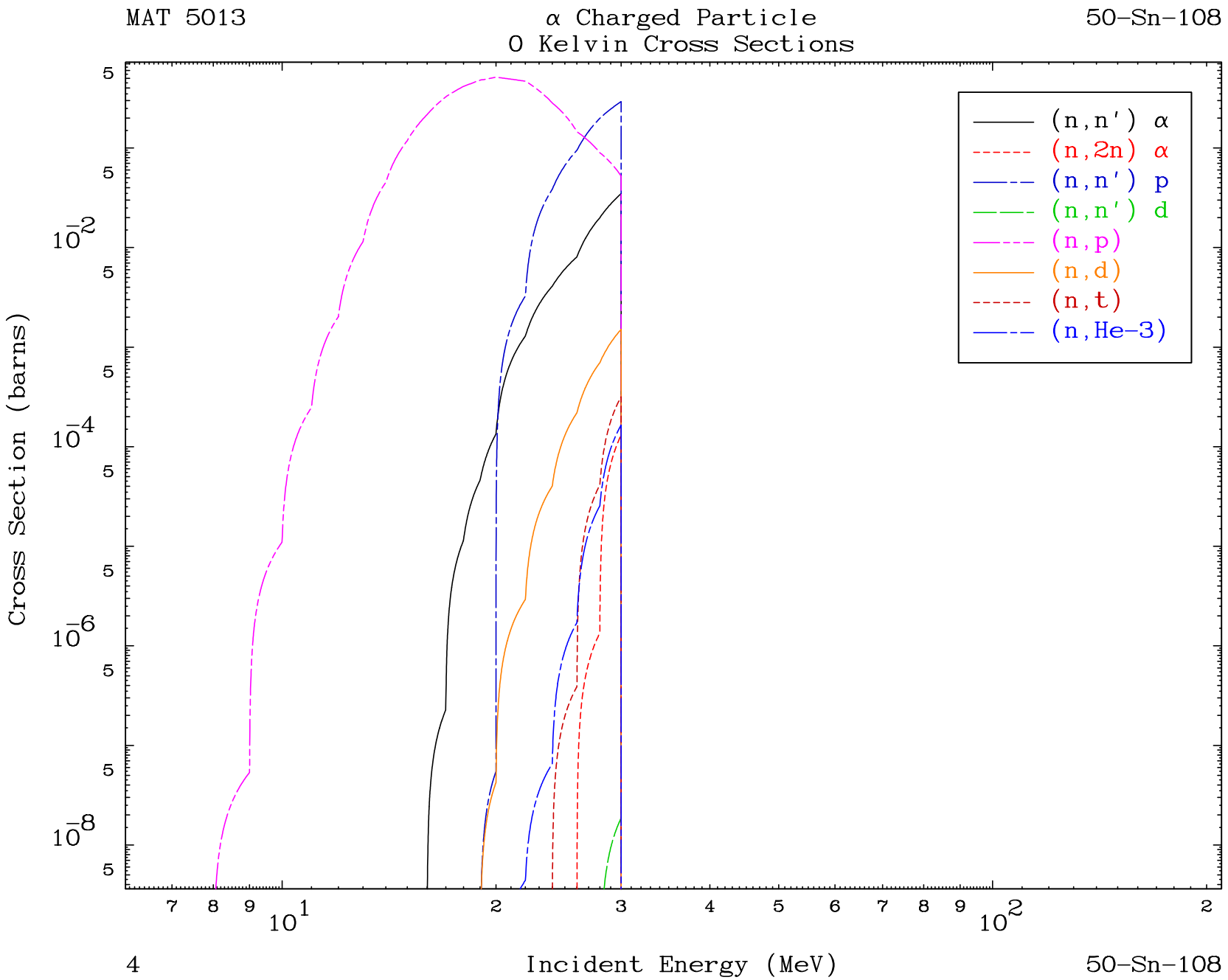
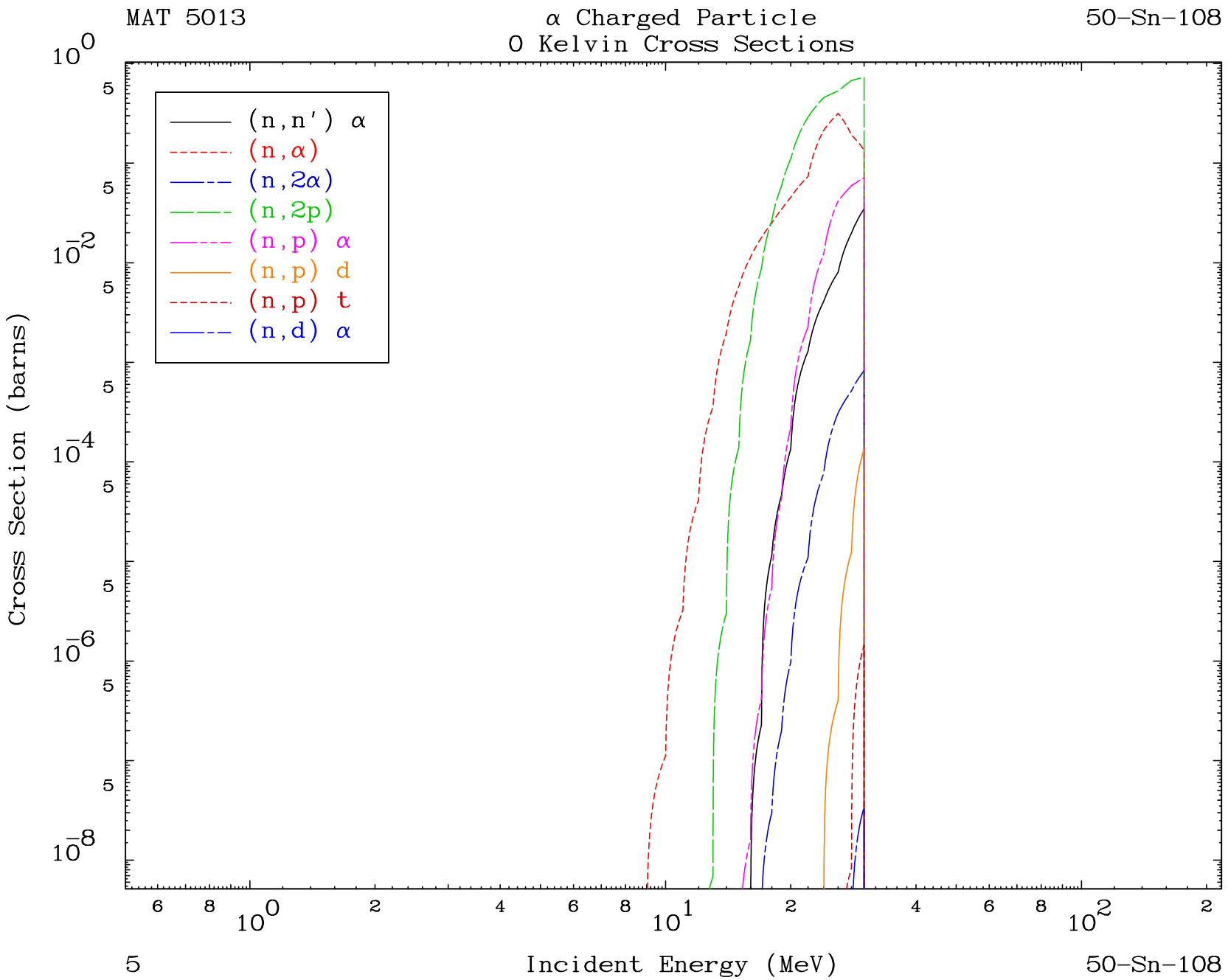
Press Mouse Button to Start

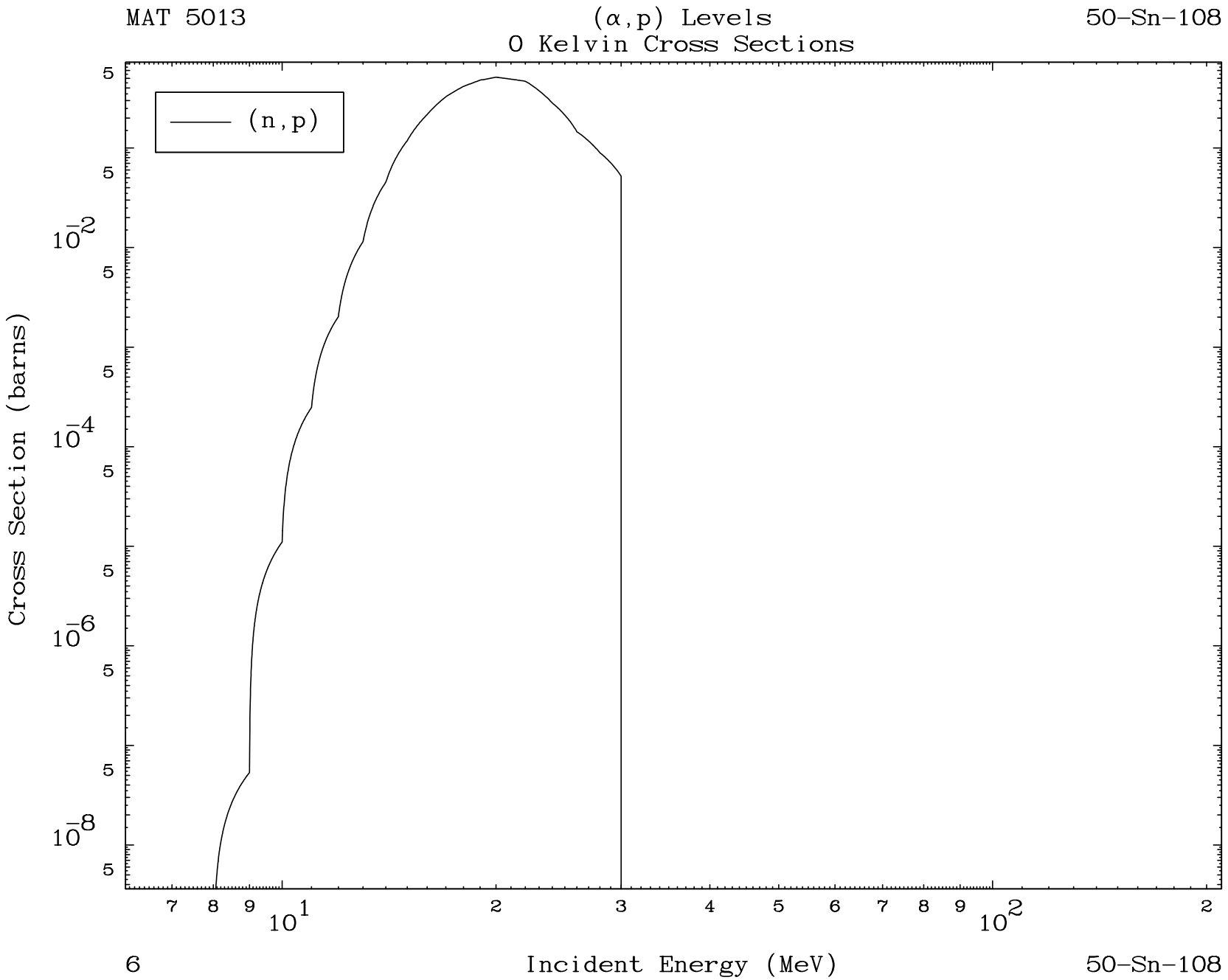

MAT 5013
α Major
50-Sn-108
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-108

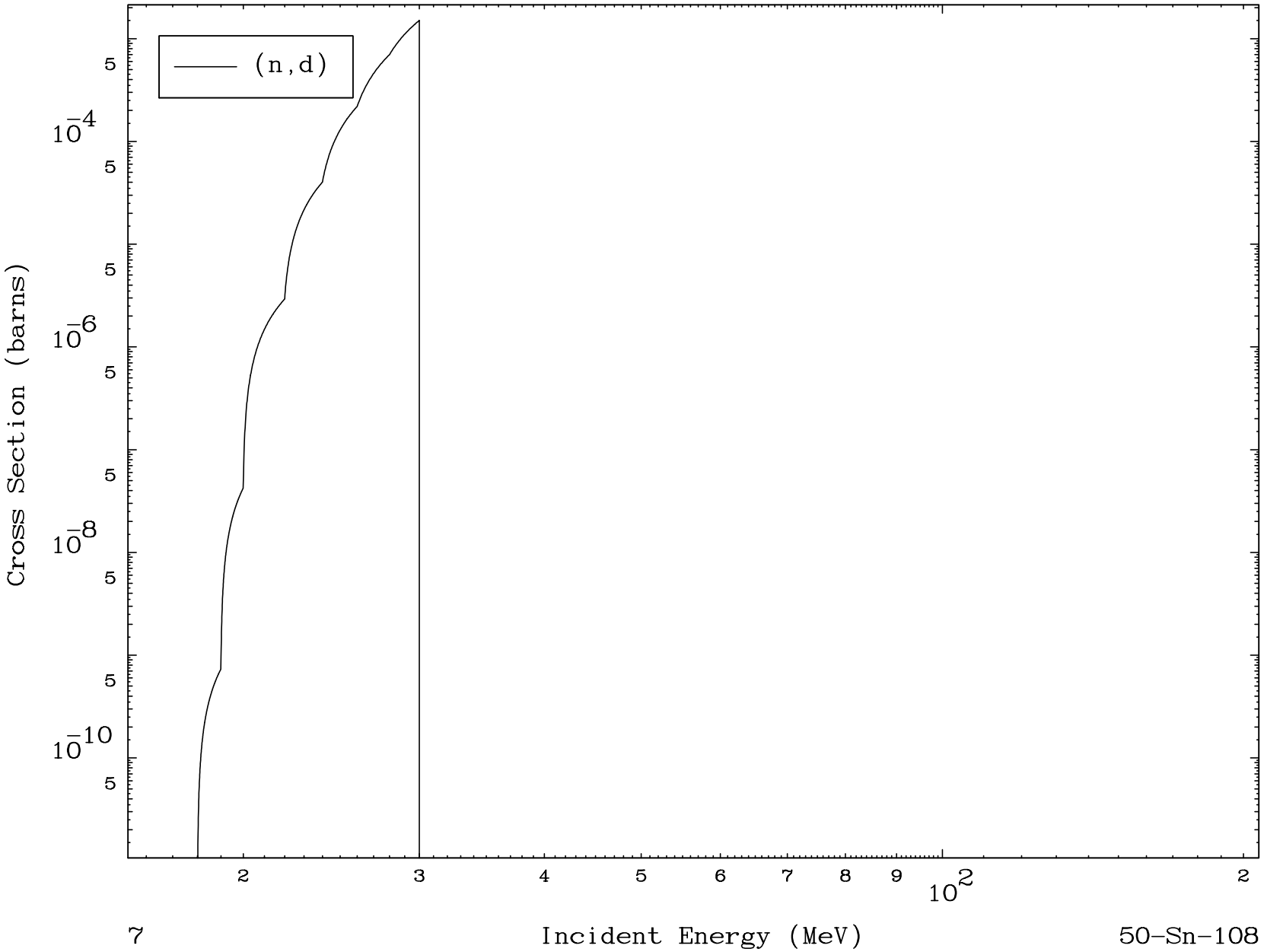

MAT 5013
α Neutron Absorption
0 Kelvin Cross Sections
50-Sn-108
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
2
50-Sn-108

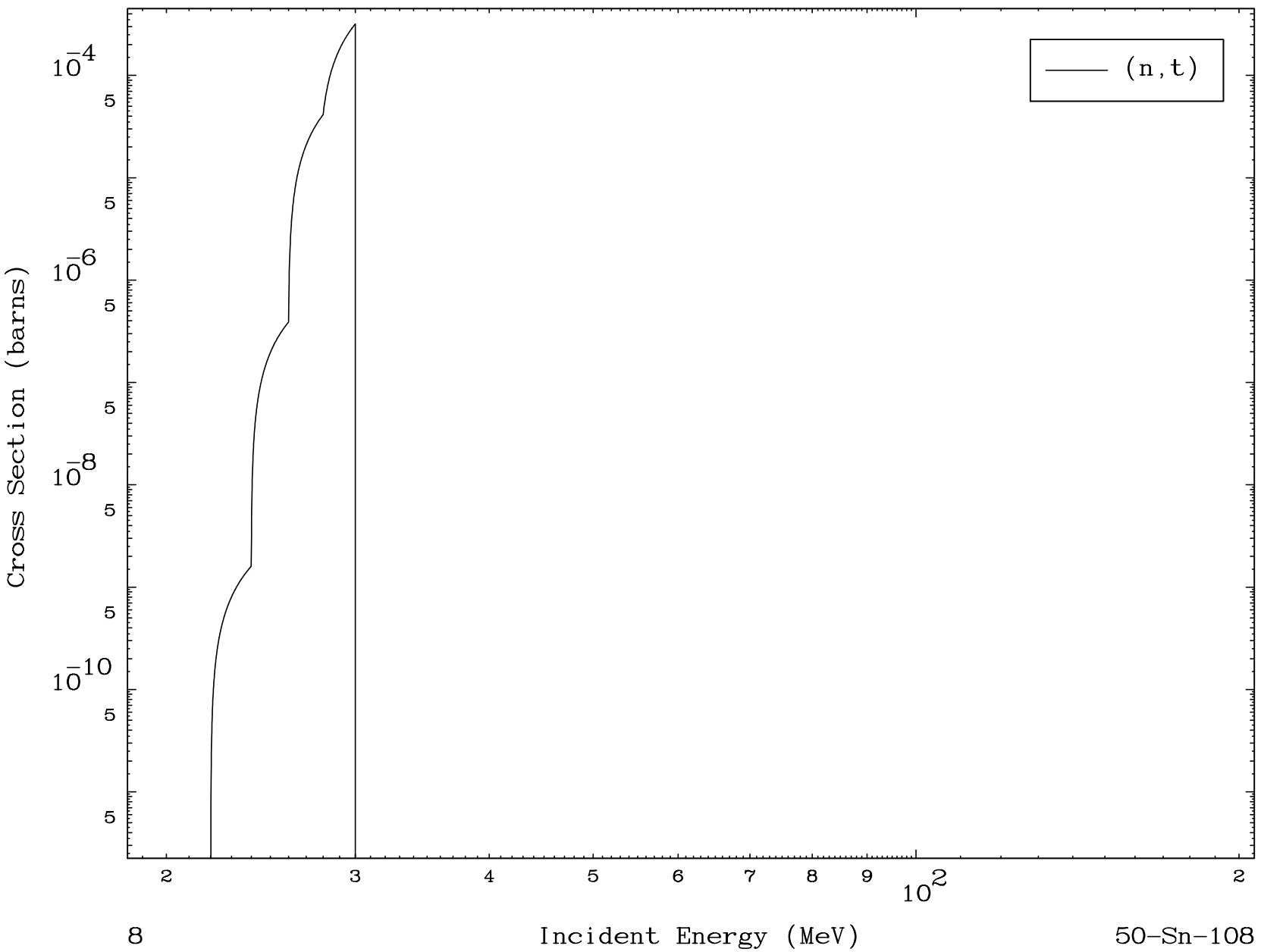

MAT 5013
α Neutron Absorption
0 Kelvin Cross Sections
50-Sn-108
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-108

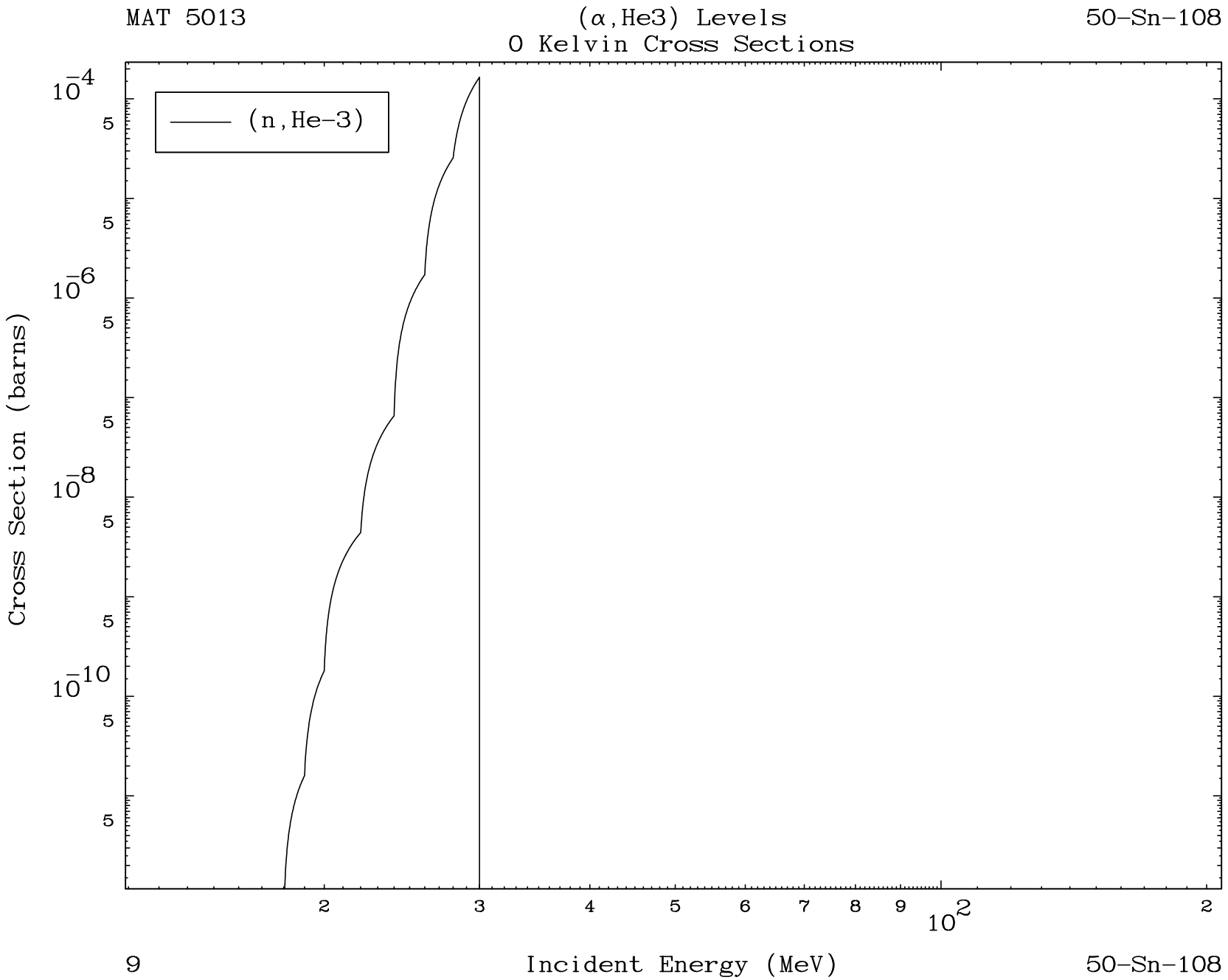

MAT 5013
α Charged Particle
0 Kelvin Cross Sections
50-Sn-108
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,p)
(n,d)
(n,t)
(n,He-3)
4
50-Sn-108

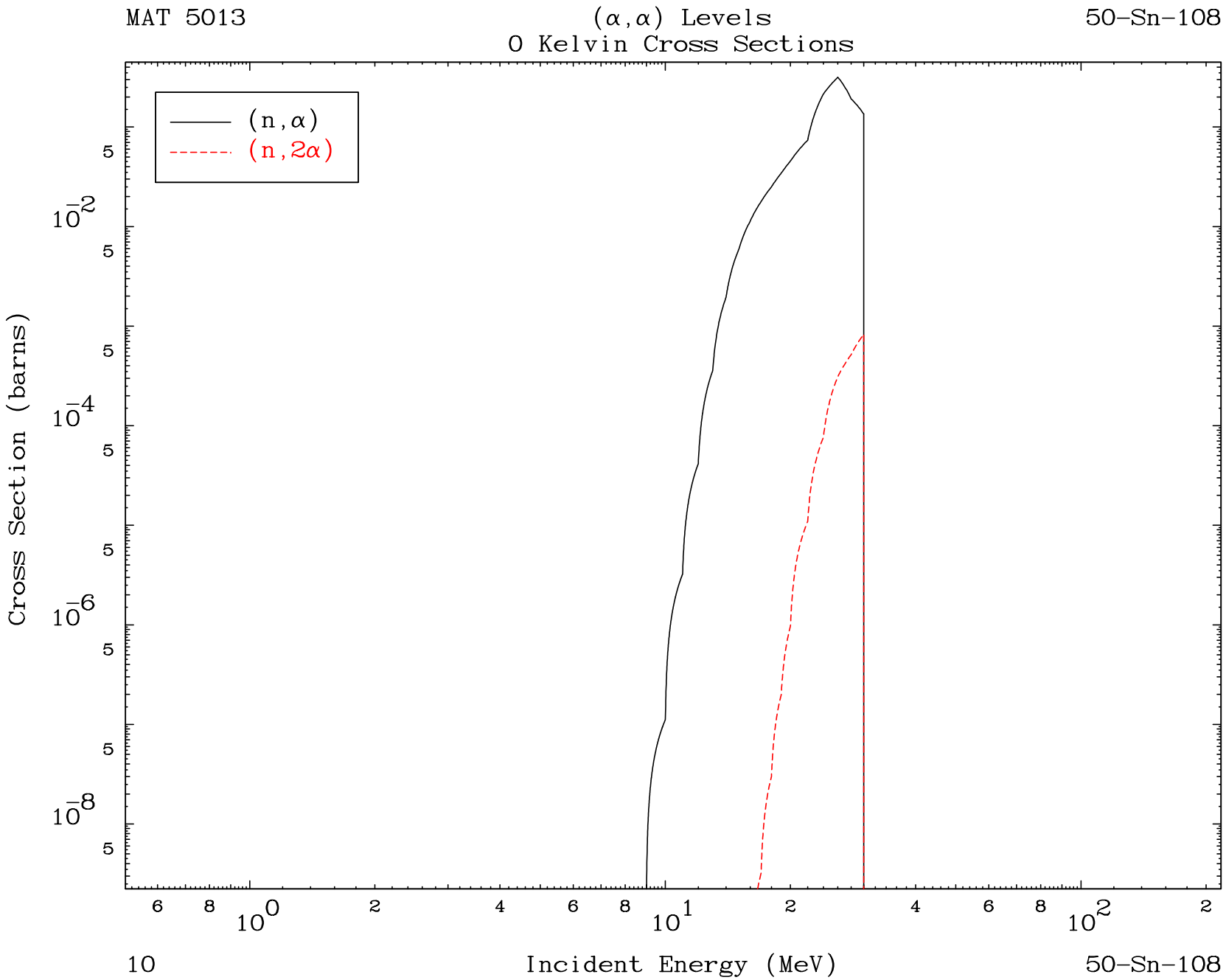

MAT 5013
α Charged Particle
0 Kelvin Cross Sections
50-Sn-108
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
50-Sn-108

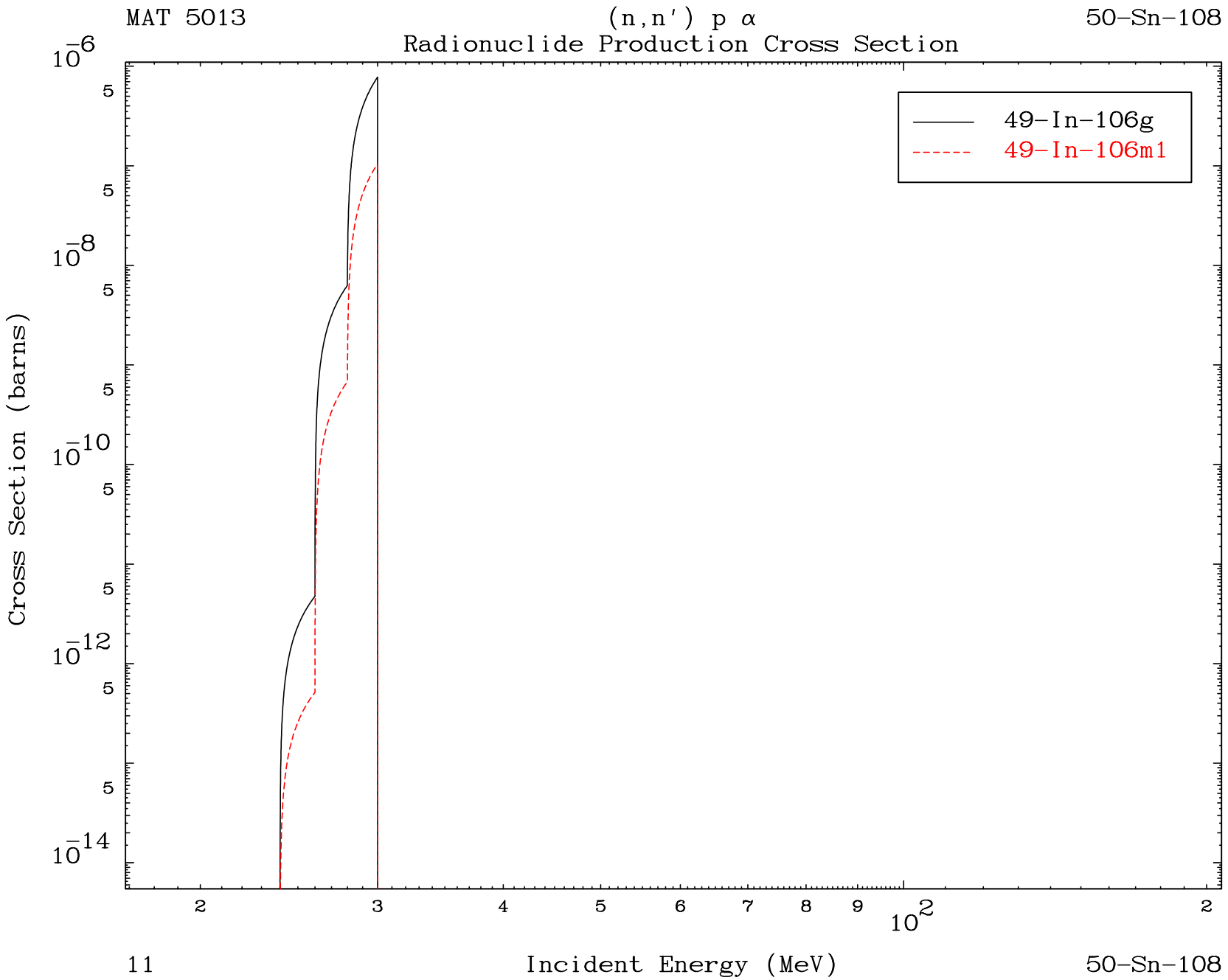

MAT 5013
(α,p) Levels
50-Sn-108
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
50-Sn-108

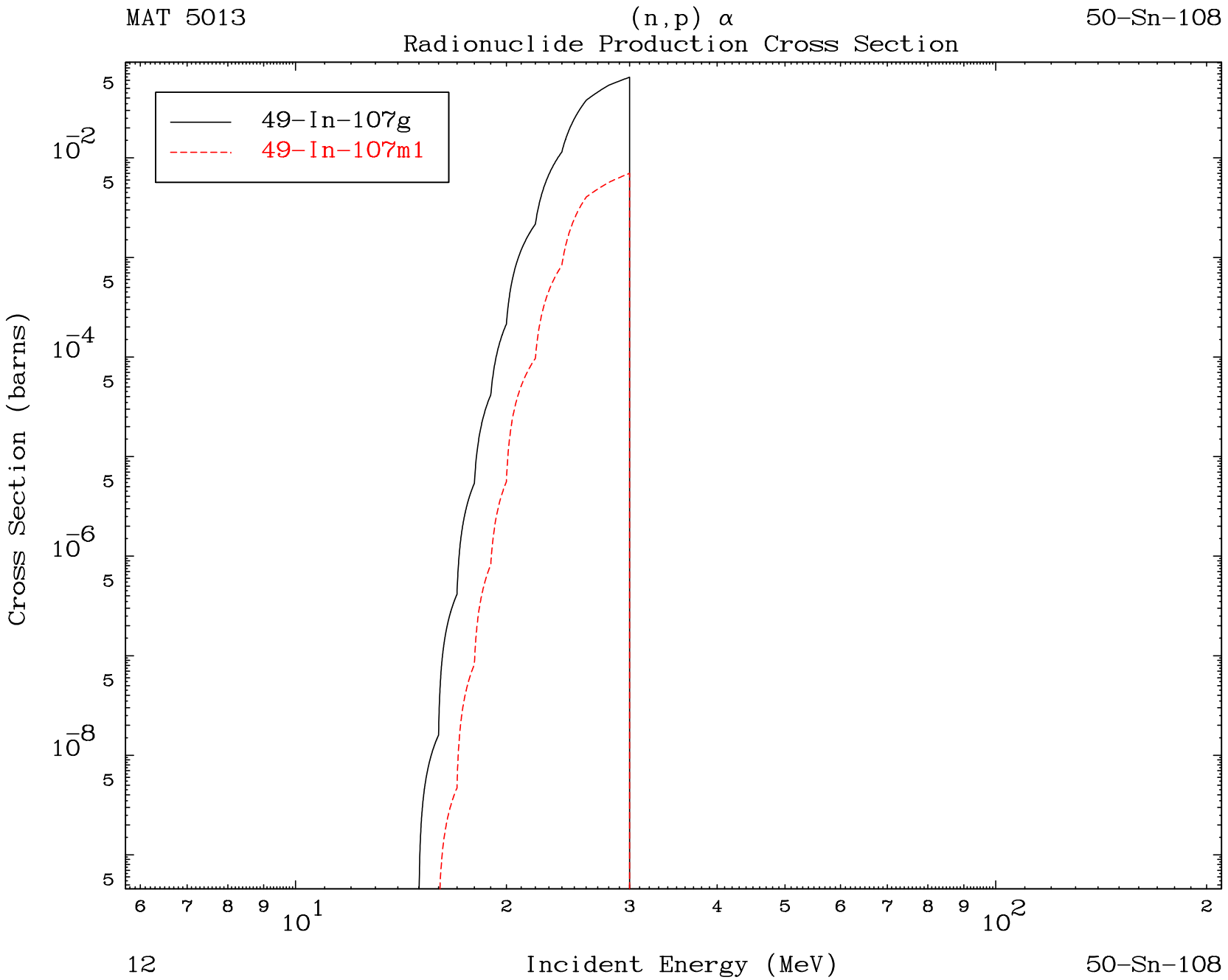

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

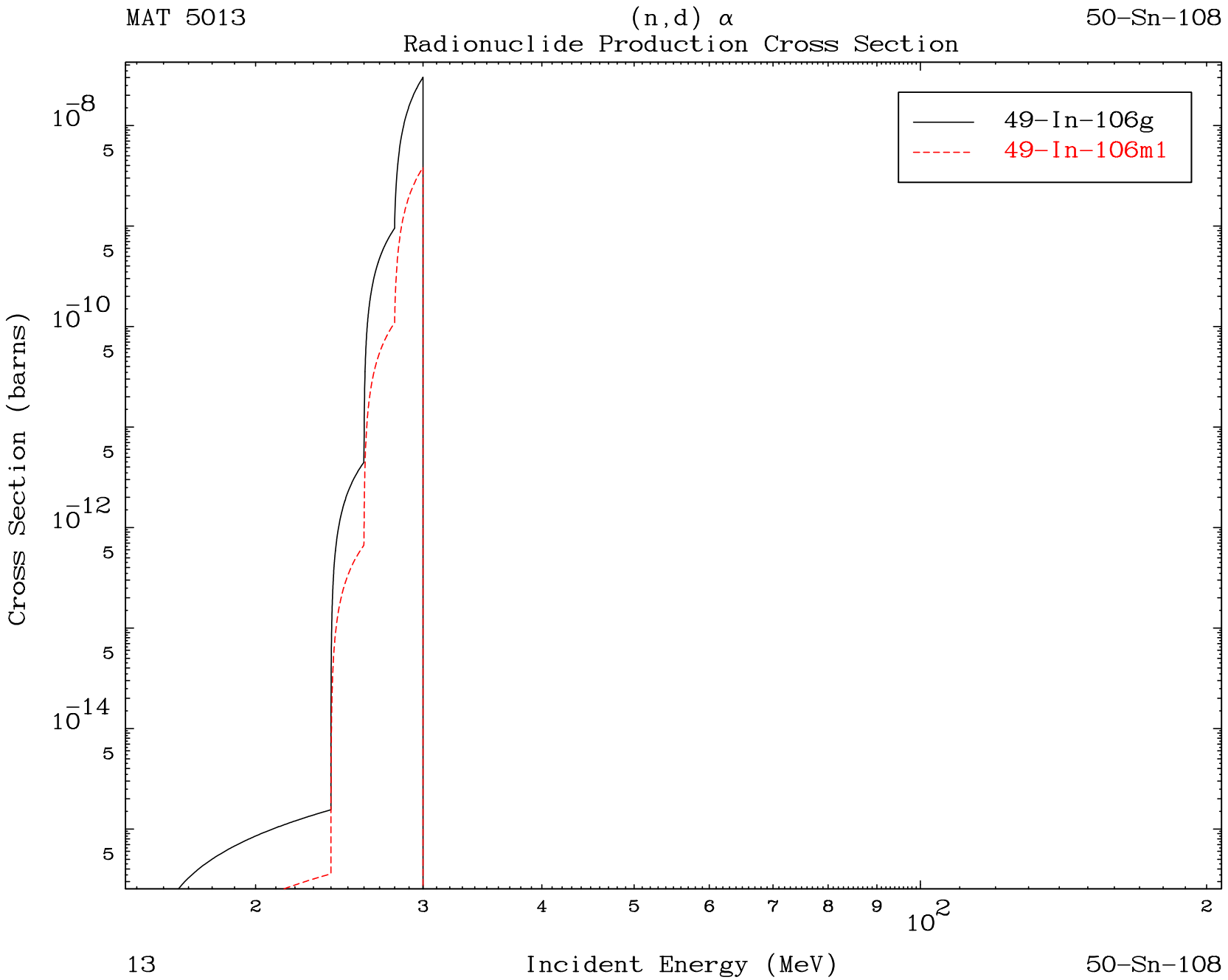

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


MAT 5013
(α,He3) Levels
50-Sn-108
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
9
50-Sn-108


MAT 5013
(α,α) Levels
50-Sn-108
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
50-Sn-108


MAT 5013
(n,n') p α
50-Sn-108
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
Incident Energy (MeV)
11
50-Sn-108


MAT 5013
(n,p) α
50-Sn-108
Radionuclide Production Cross Section
49-In-107g
49-In-107m1
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-108


MAT 5013
(n,d) α
50-Sn-108
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
Incident Energy (MeV)
13
50-Sn-108