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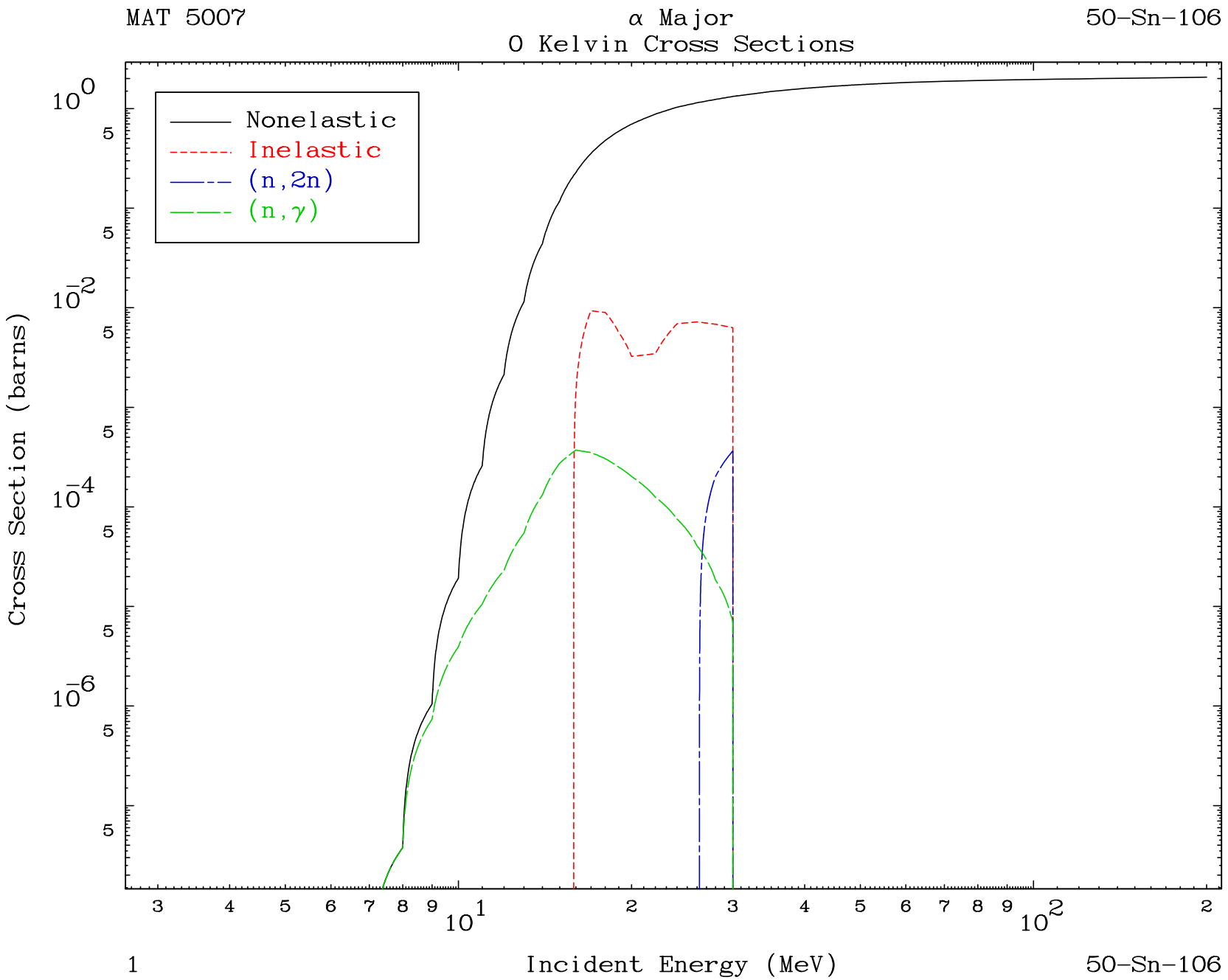
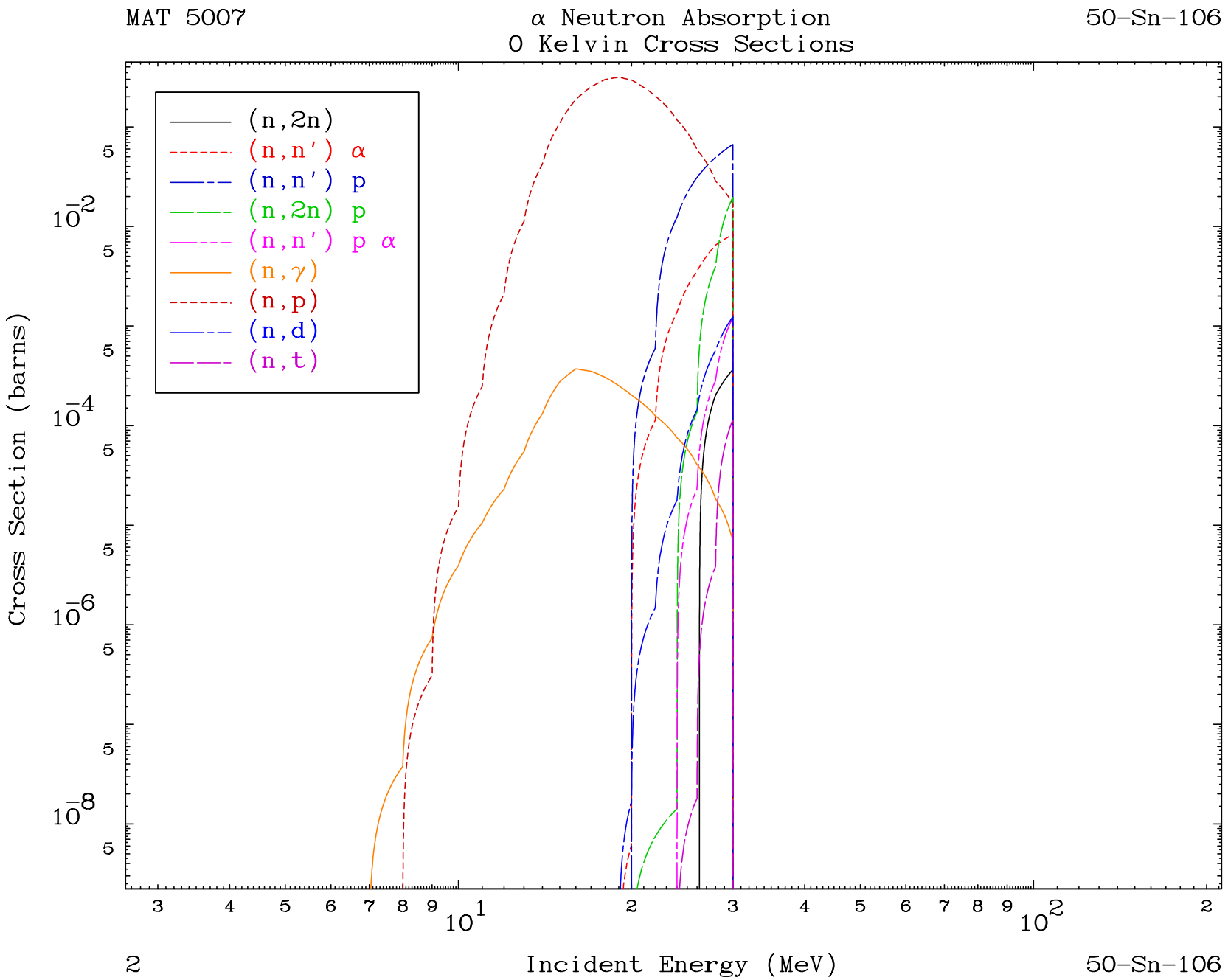
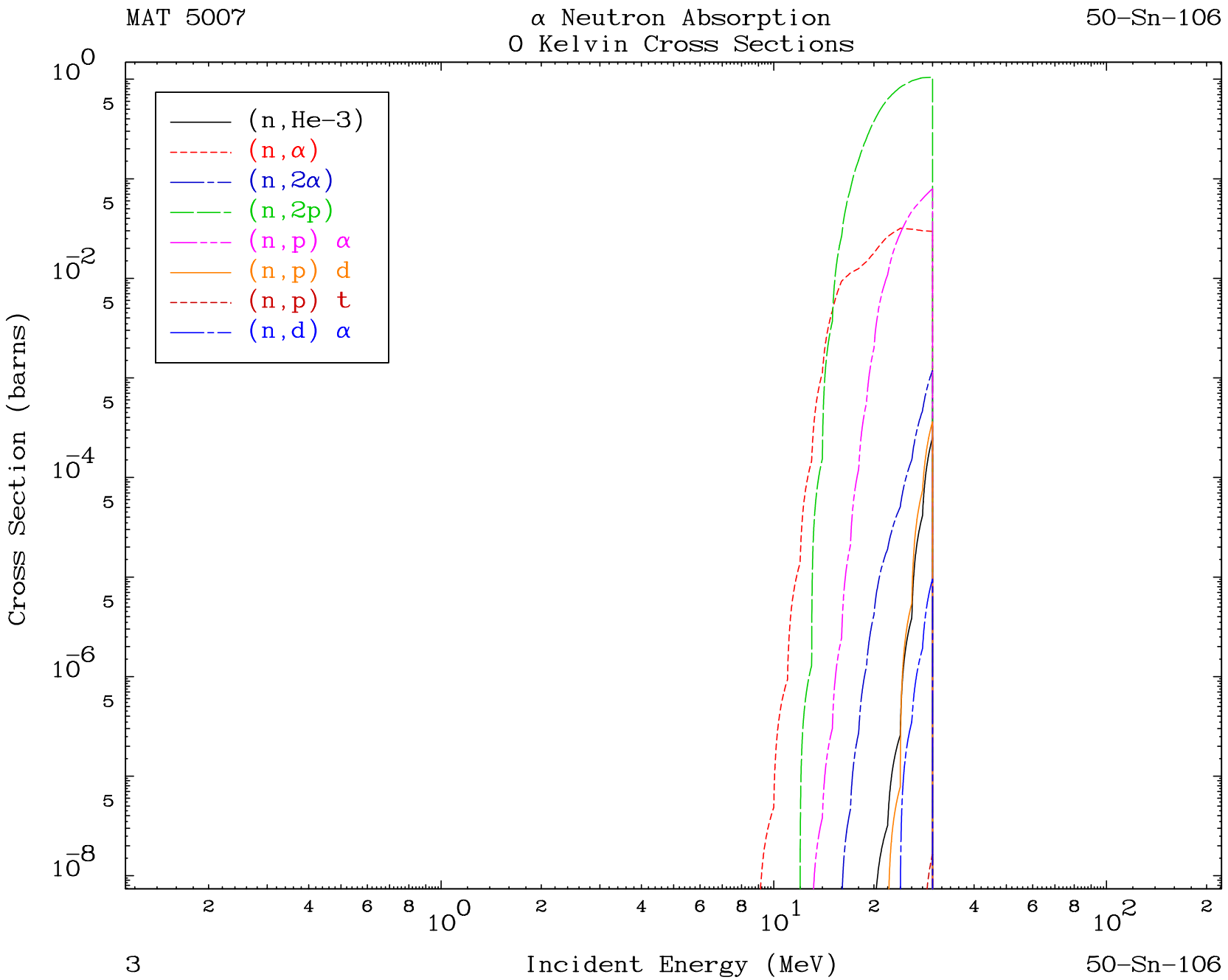
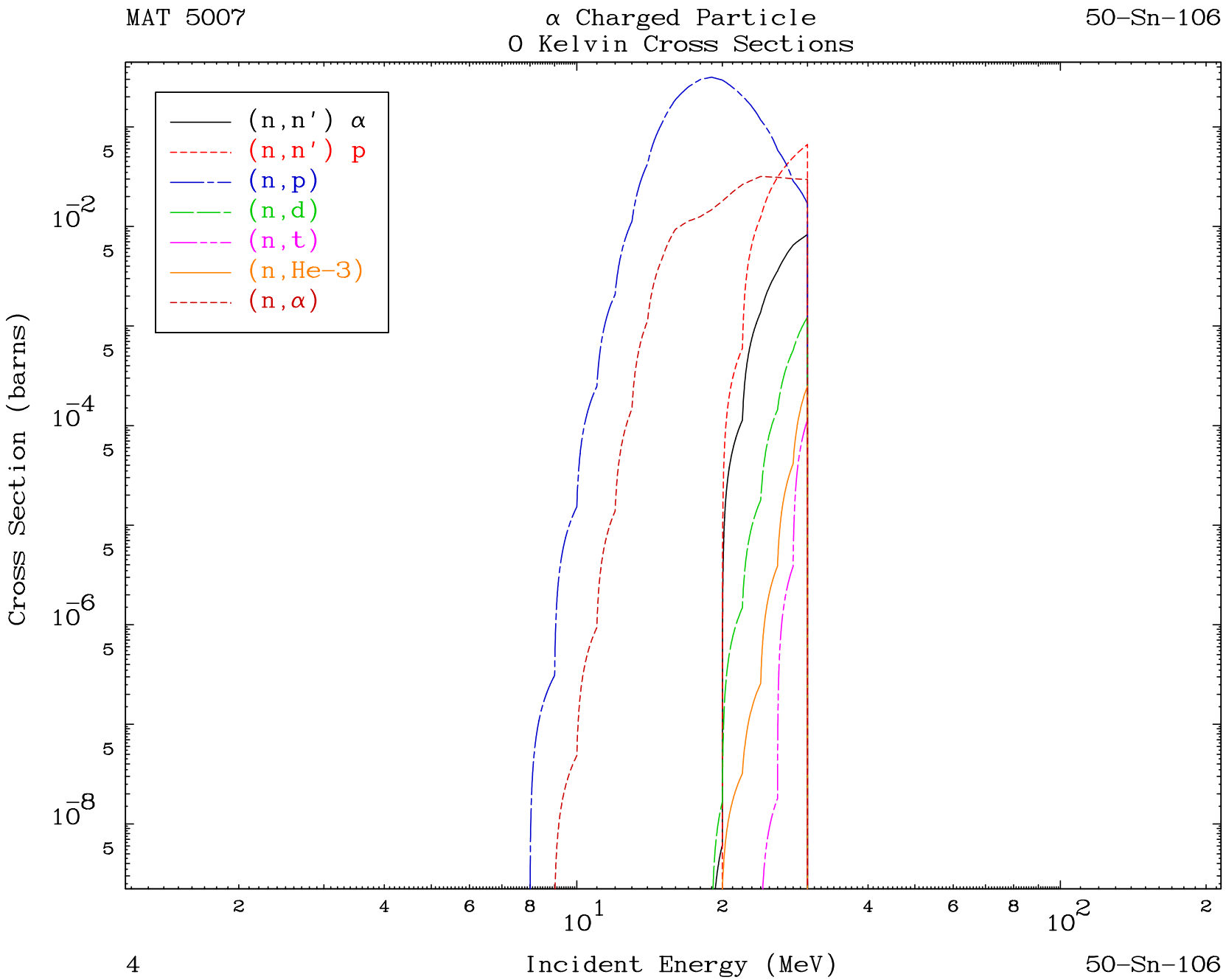
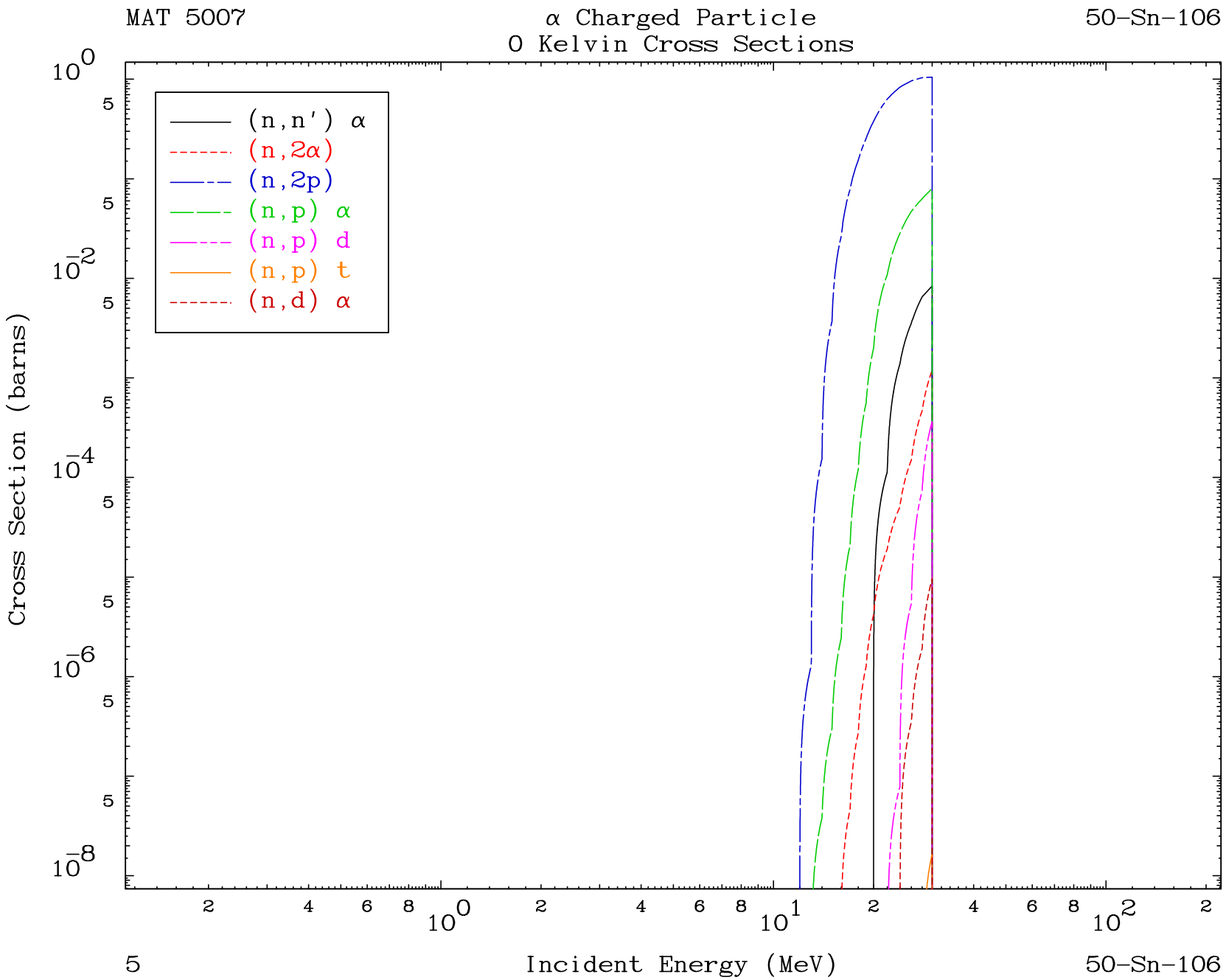
Press Mouse Button to Start

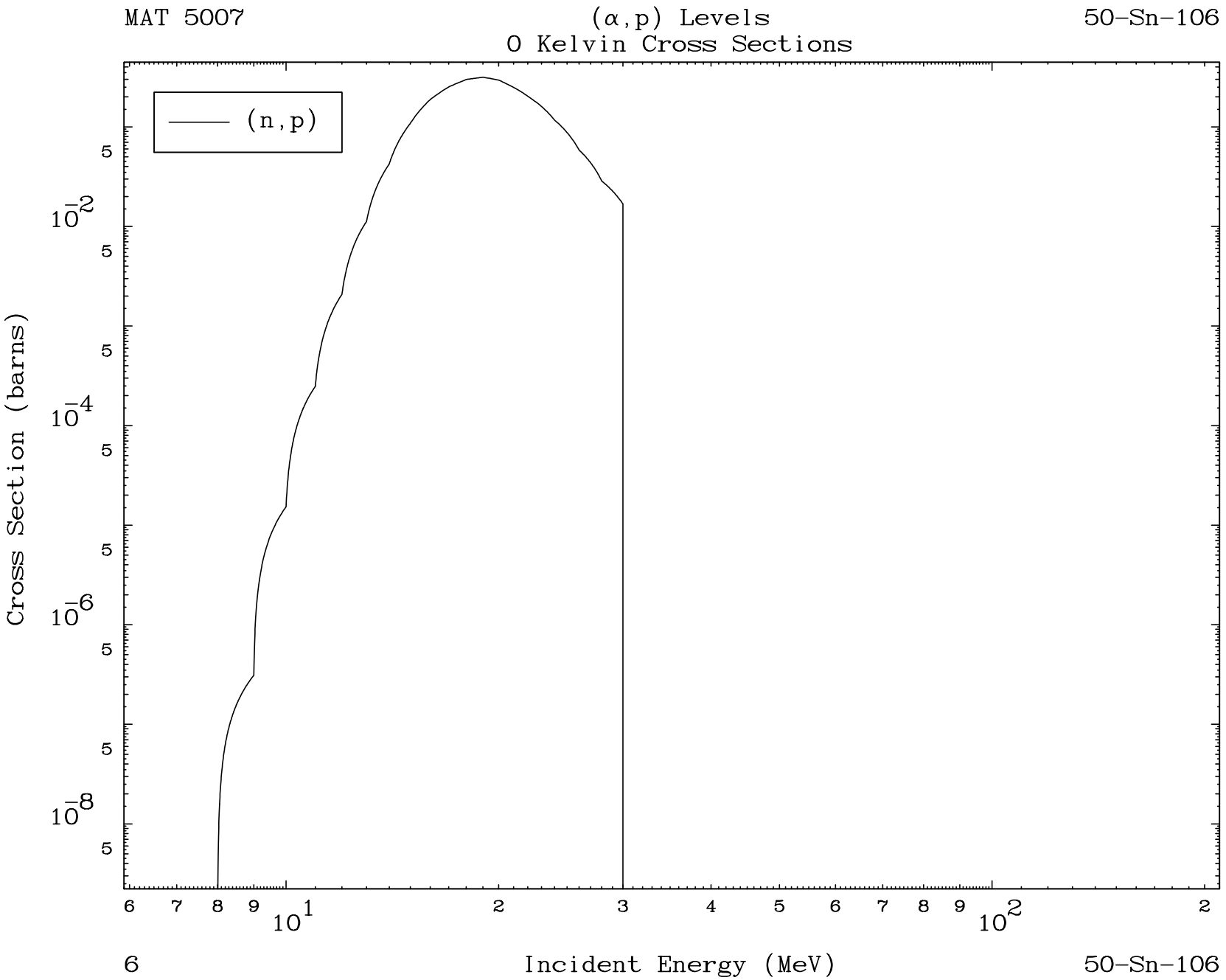

MAT 5007
α Major
50-Sn-106
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-106

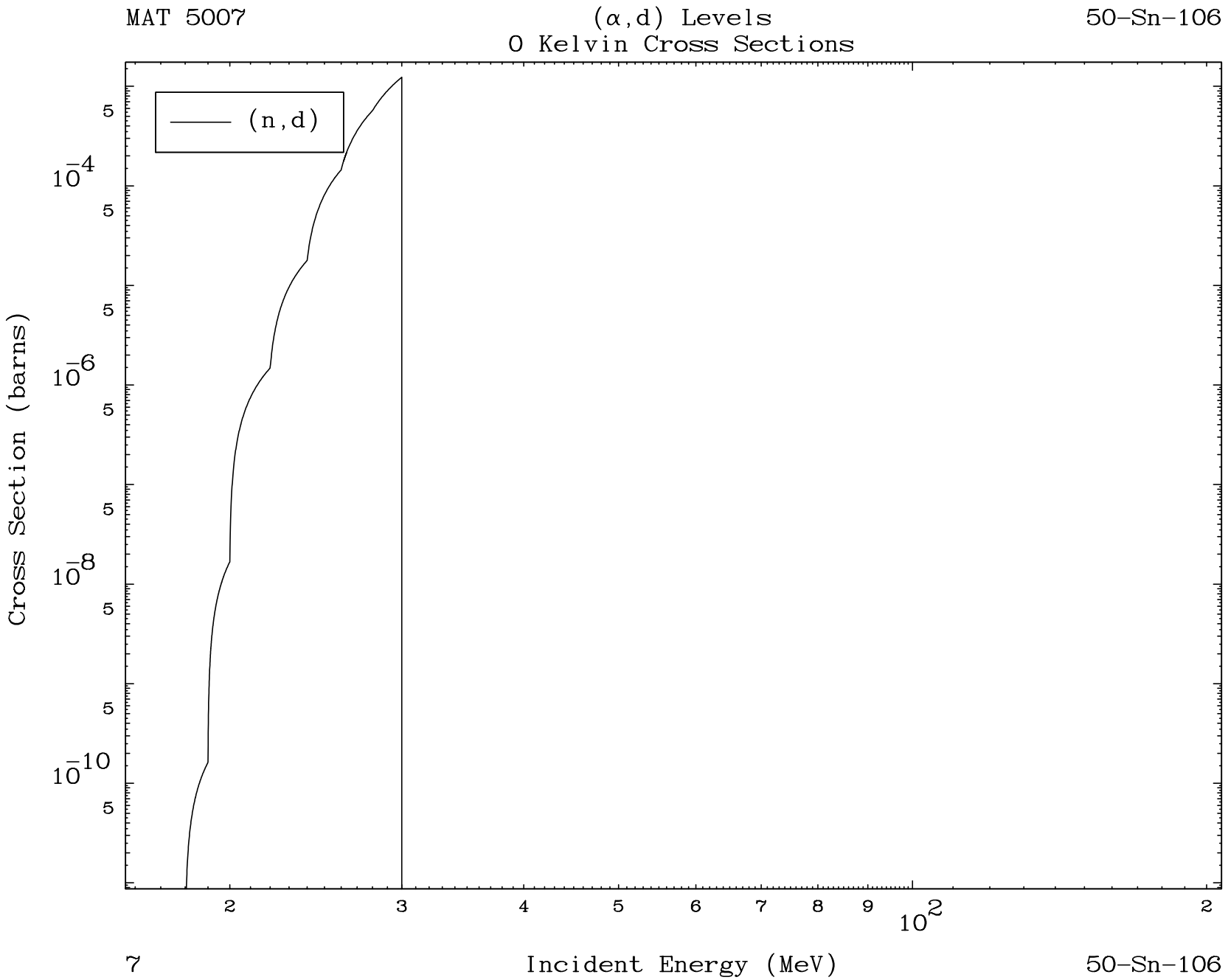

MAT 5007
α Neutron Absorption
0 Kelvin Cross Sections
50-Sn-106
(n,2n)
(n,n') α
(n,n') p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
2
Incident Energy (MeV)
50-Sn-106

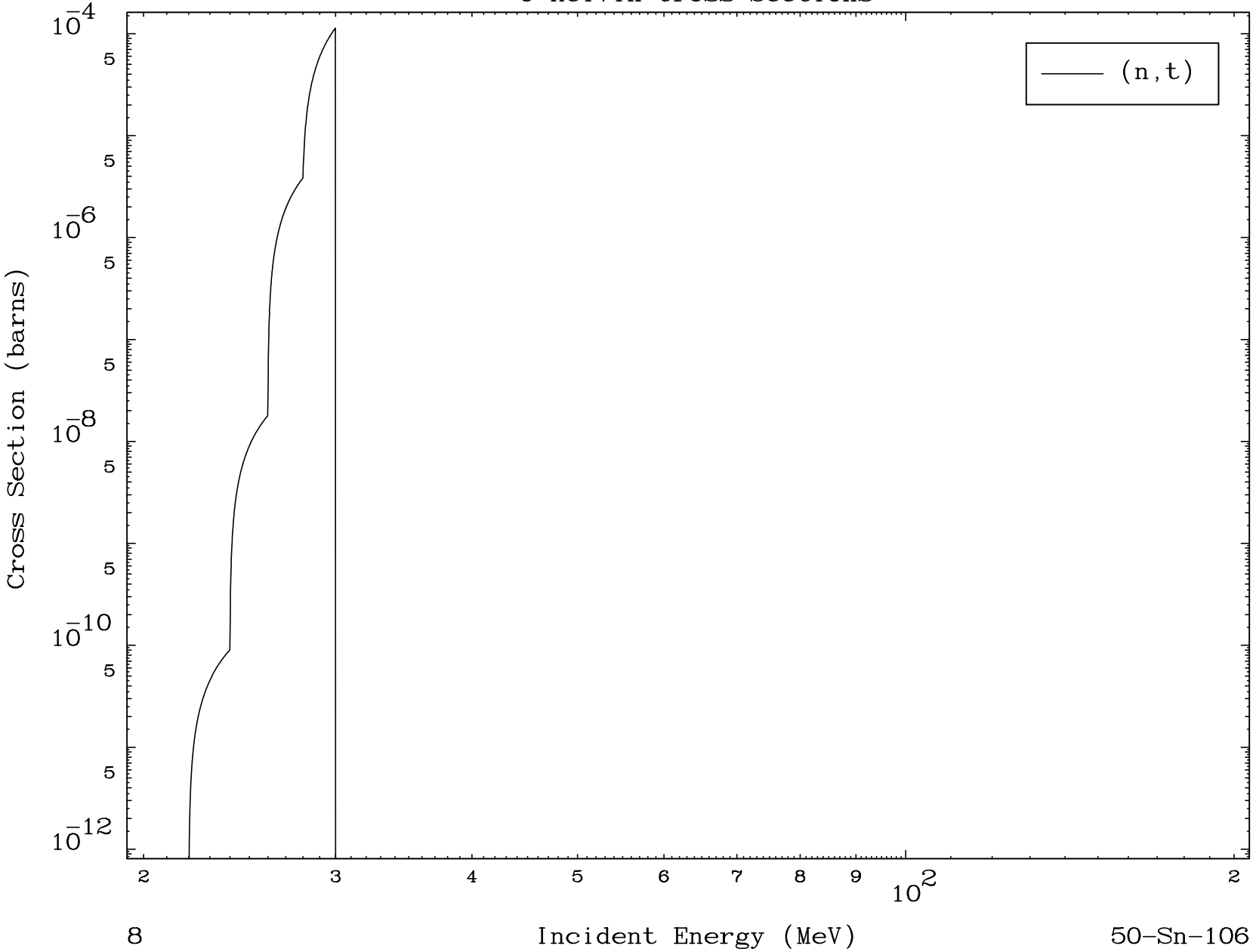

MAT 5007
α Neutron Absorption
0 Kelvin Cross Sections
50-Sn-106
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-106

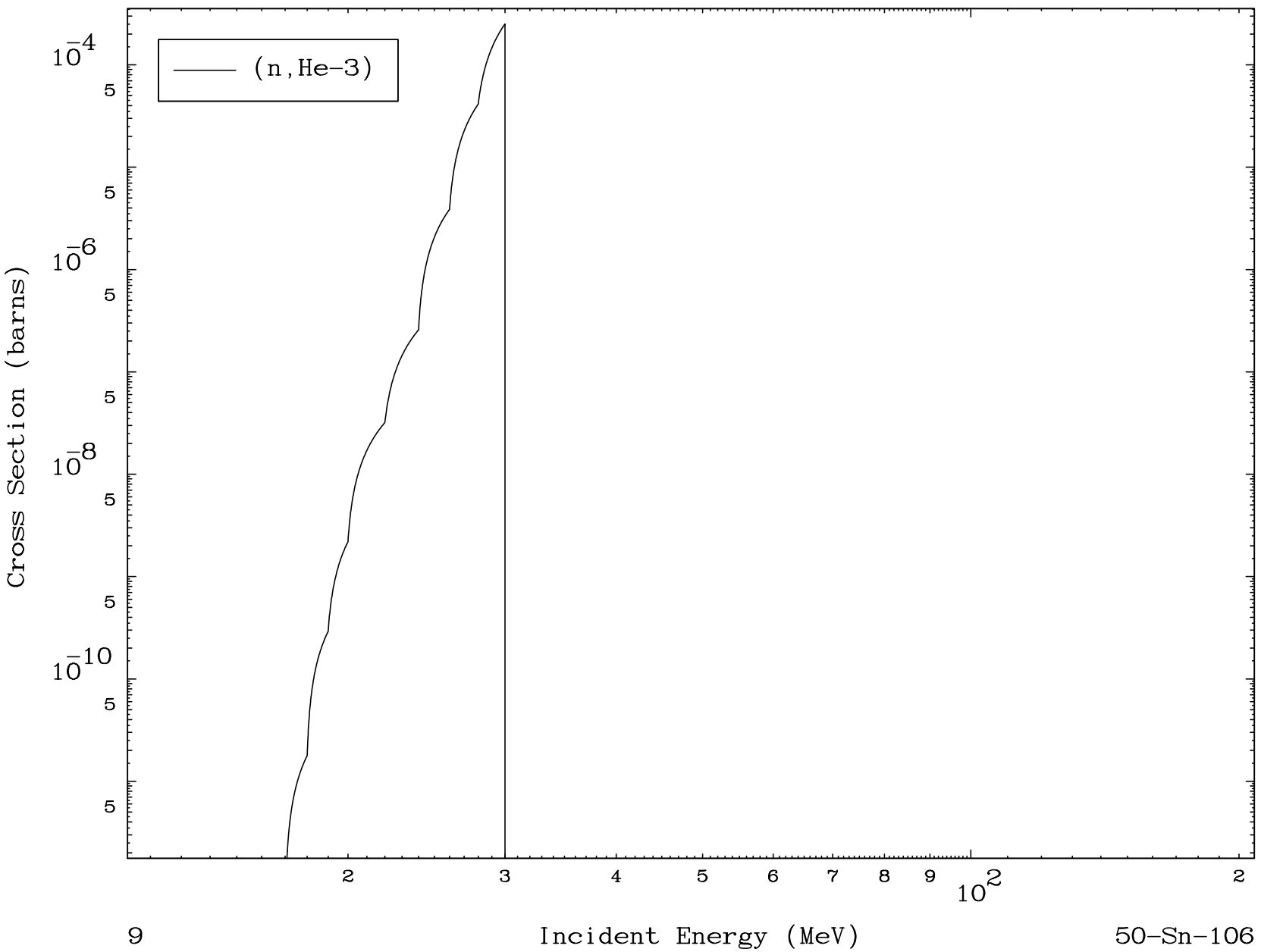

MAT 5007
α Charged Particle
0 Kelvin Cross Sections
50-Sn-106
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
2
4
6
8
101
2
4
6
8
102
2
Incident Energy (MeV)
4
50-Sn-106

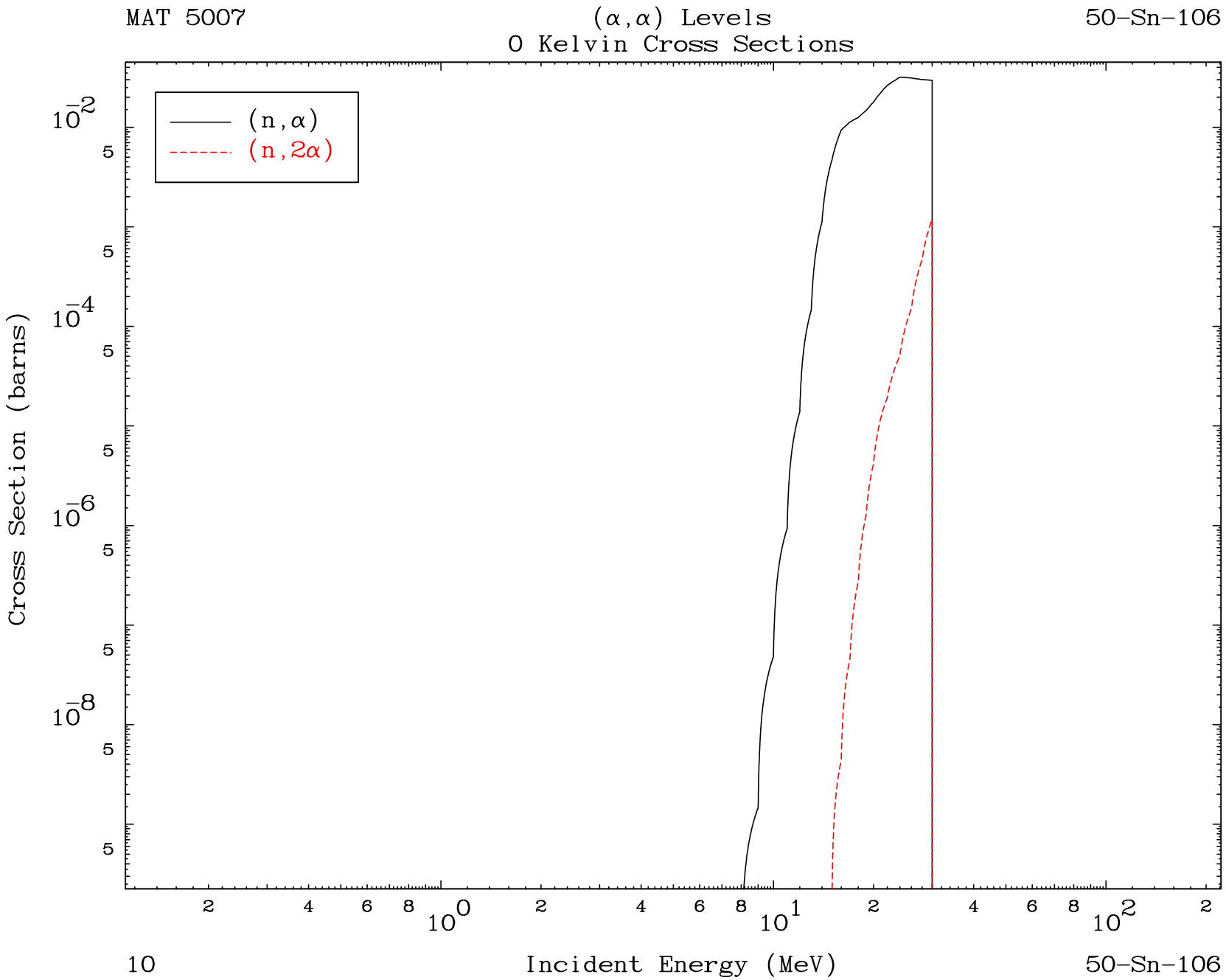

MAT 5007
α Charged Particle
0 Kelvin Cross Sections
50-Sn-106
(n,n') α
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
50-Sn-106
5

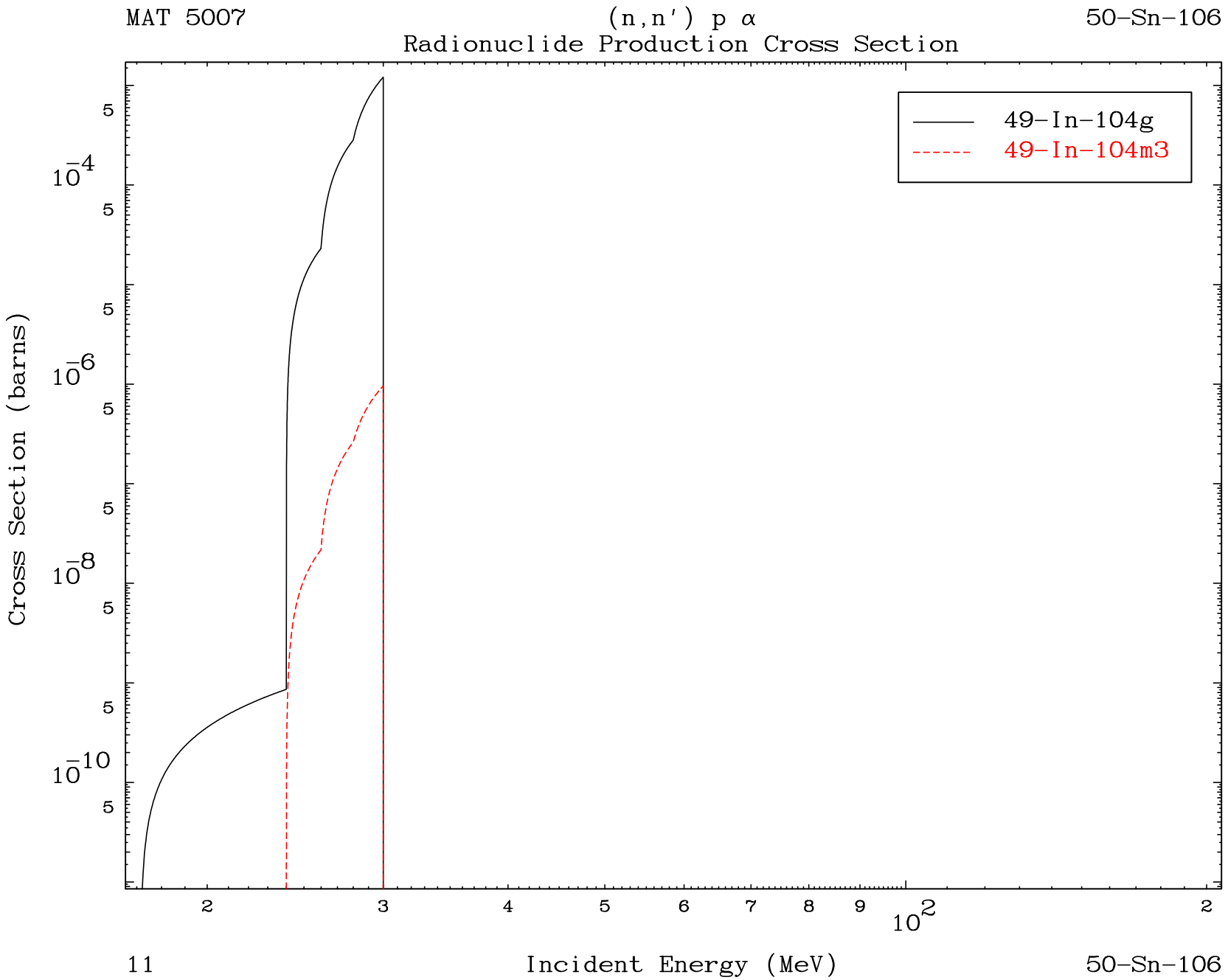

MAT 5007
(α,p) Levels
50-Sn-106
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
6
Incident Energy (MeV)
50-Sn-106

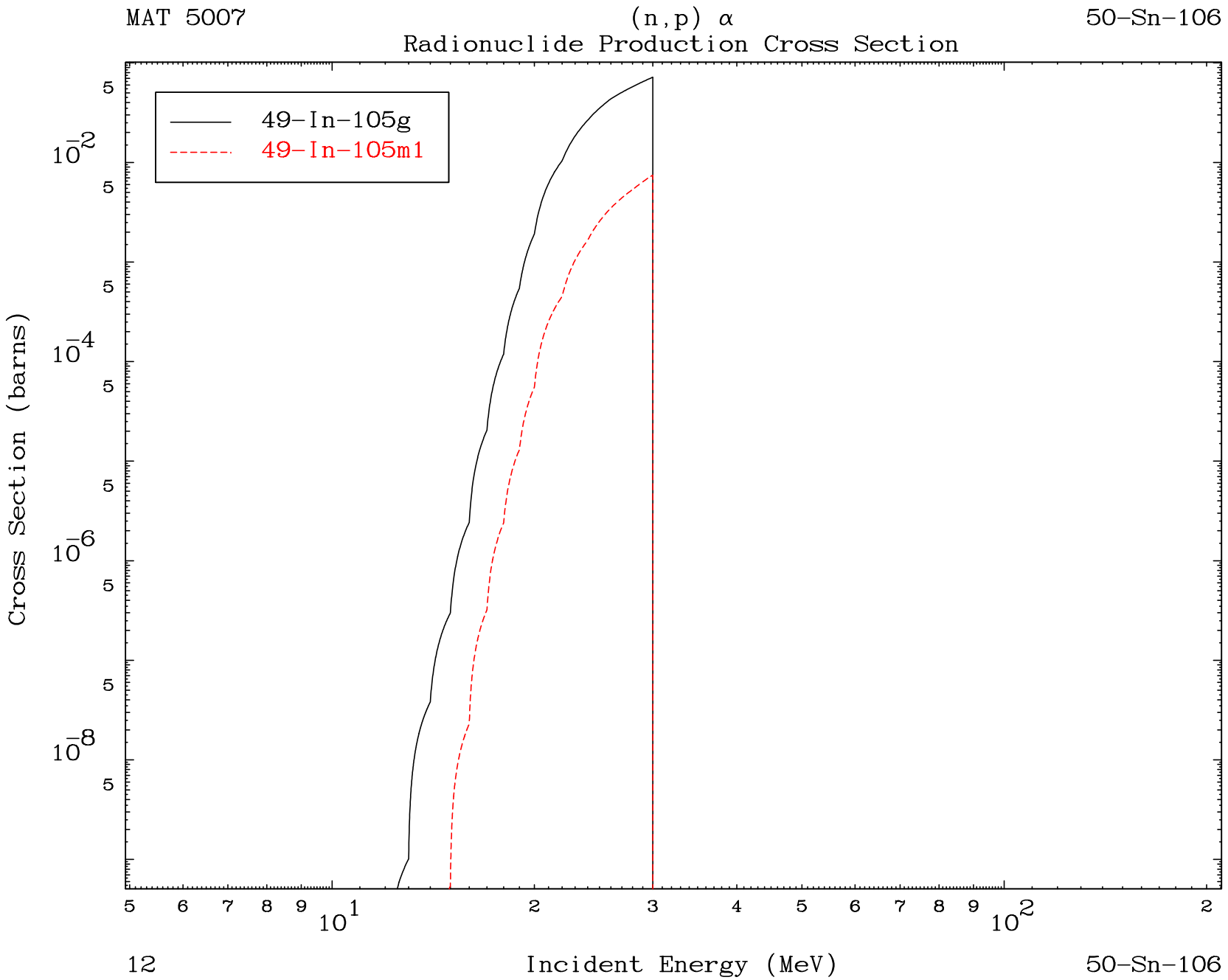

MAT 5007
(α,d) Levels
50-Sn-106
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
50-Sn-106

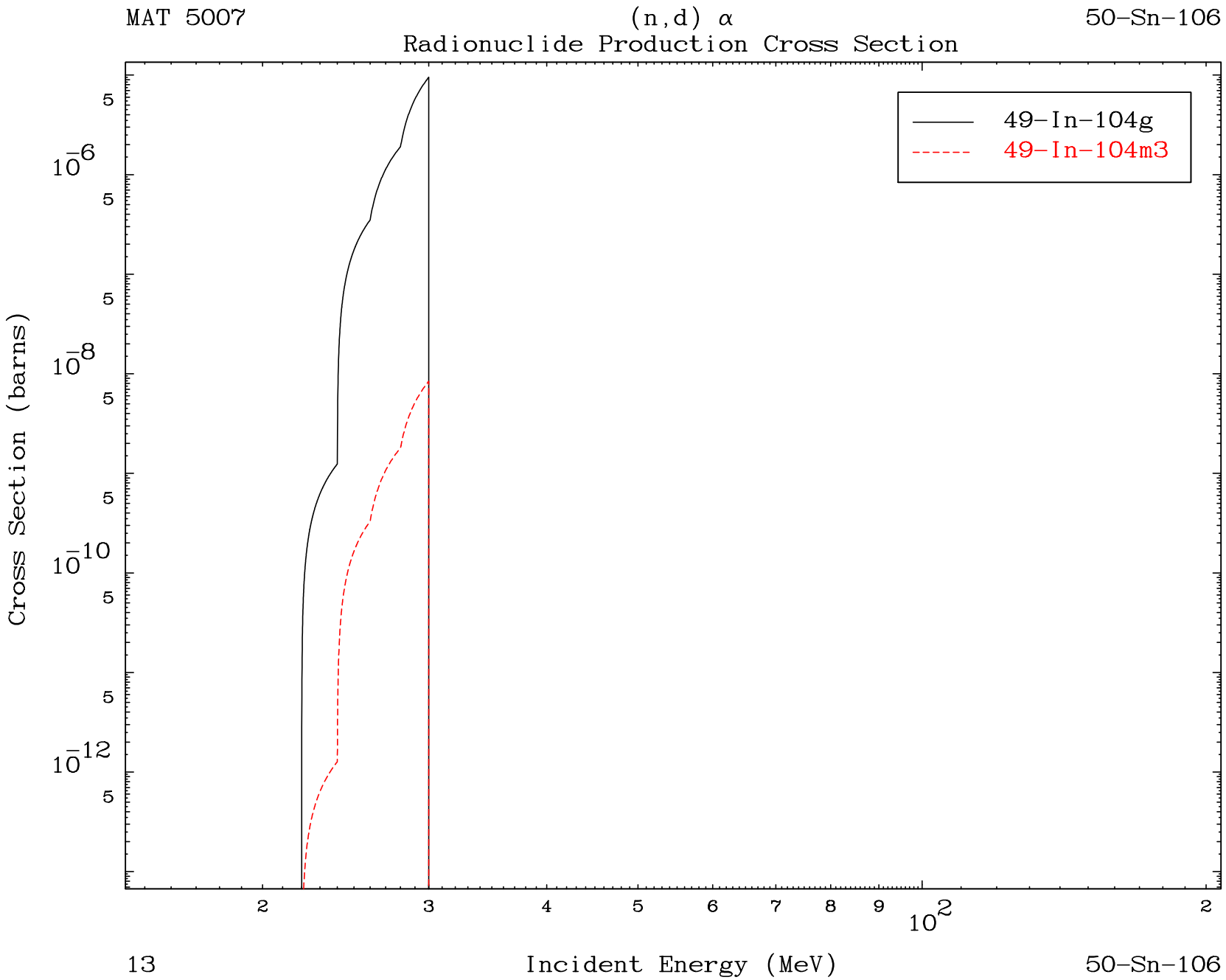

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
10-12
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


0 Kelvin Cross Sections
(n,He-3)
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 5007
(α,α) Levels
50-Sn-106
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-106
10


MAT 5007
(n,n') p α
50-Sn-106
Radionuclide Production Cross Section
49-In-104g
49-In-104m3
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
11
Incident Energy (MeV)
50-Sn-106


MAT 5007
(n,p) α
50-Sn-106
Radionuclide Production Cross Section
49-In-105g
49-In-105m1
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-106


MAT 5007
(n,d) α
50-Sn-106
Radionuclide Production Cross Section
49-In-104g
49-In-104m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
50-Sn-106