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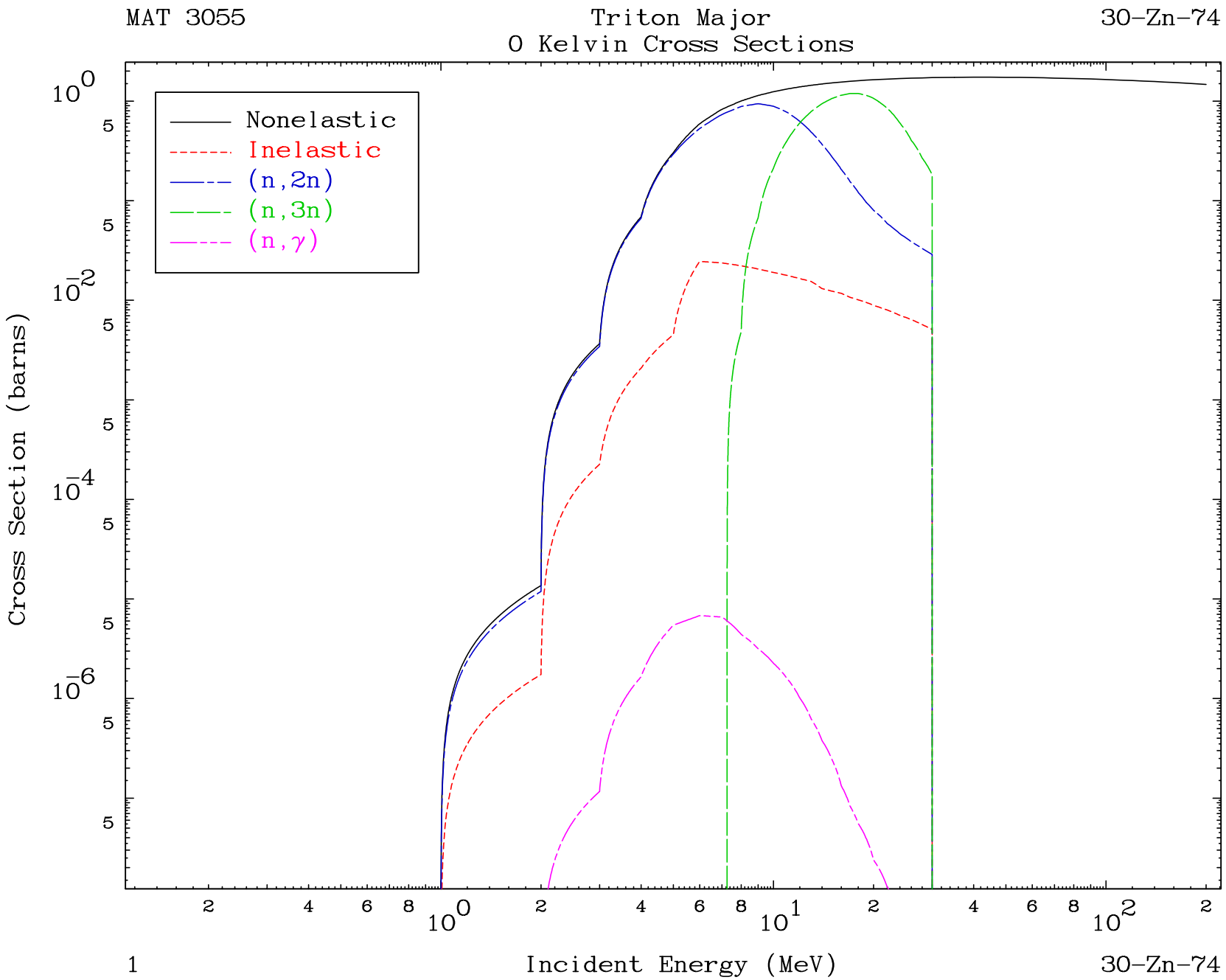
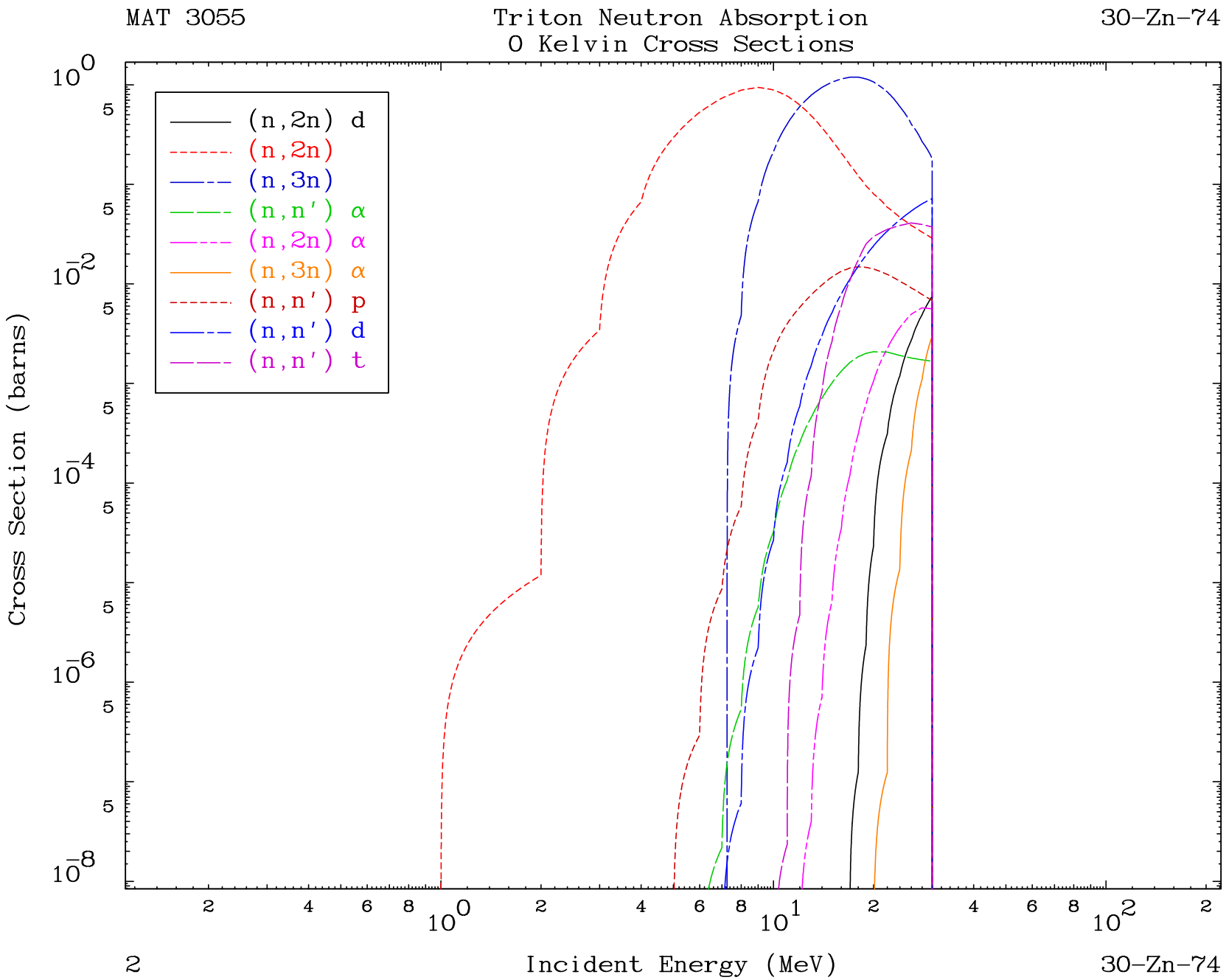
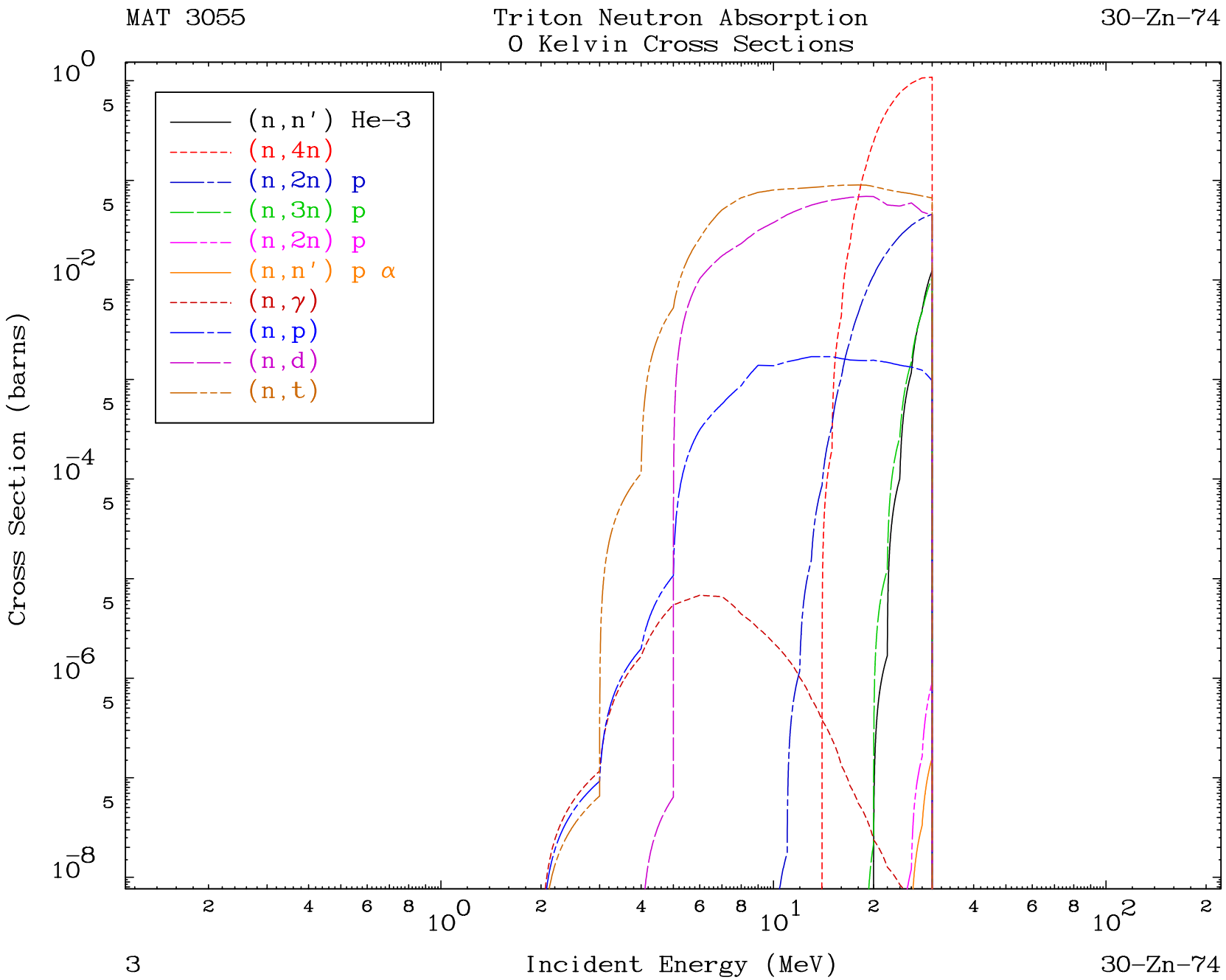
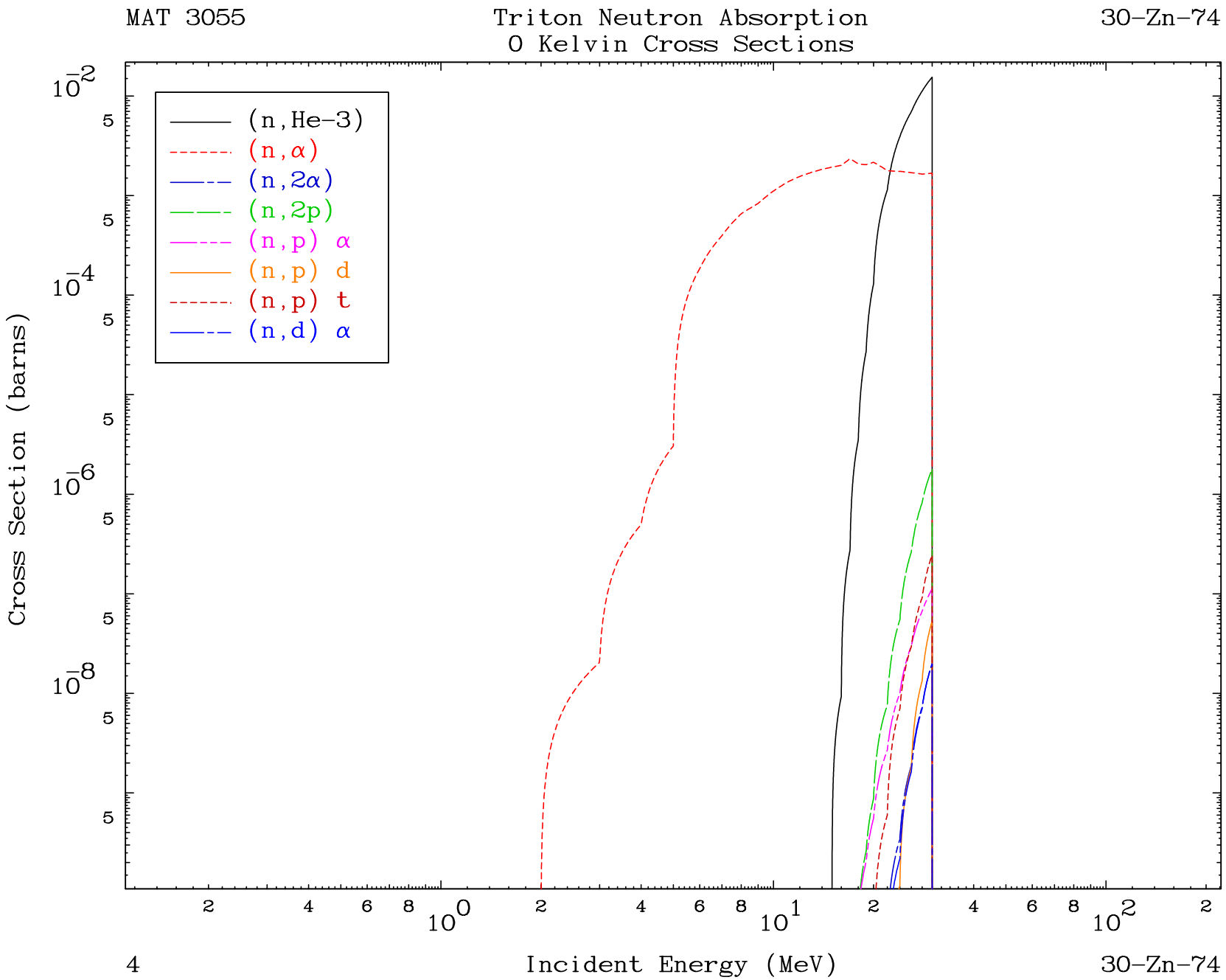
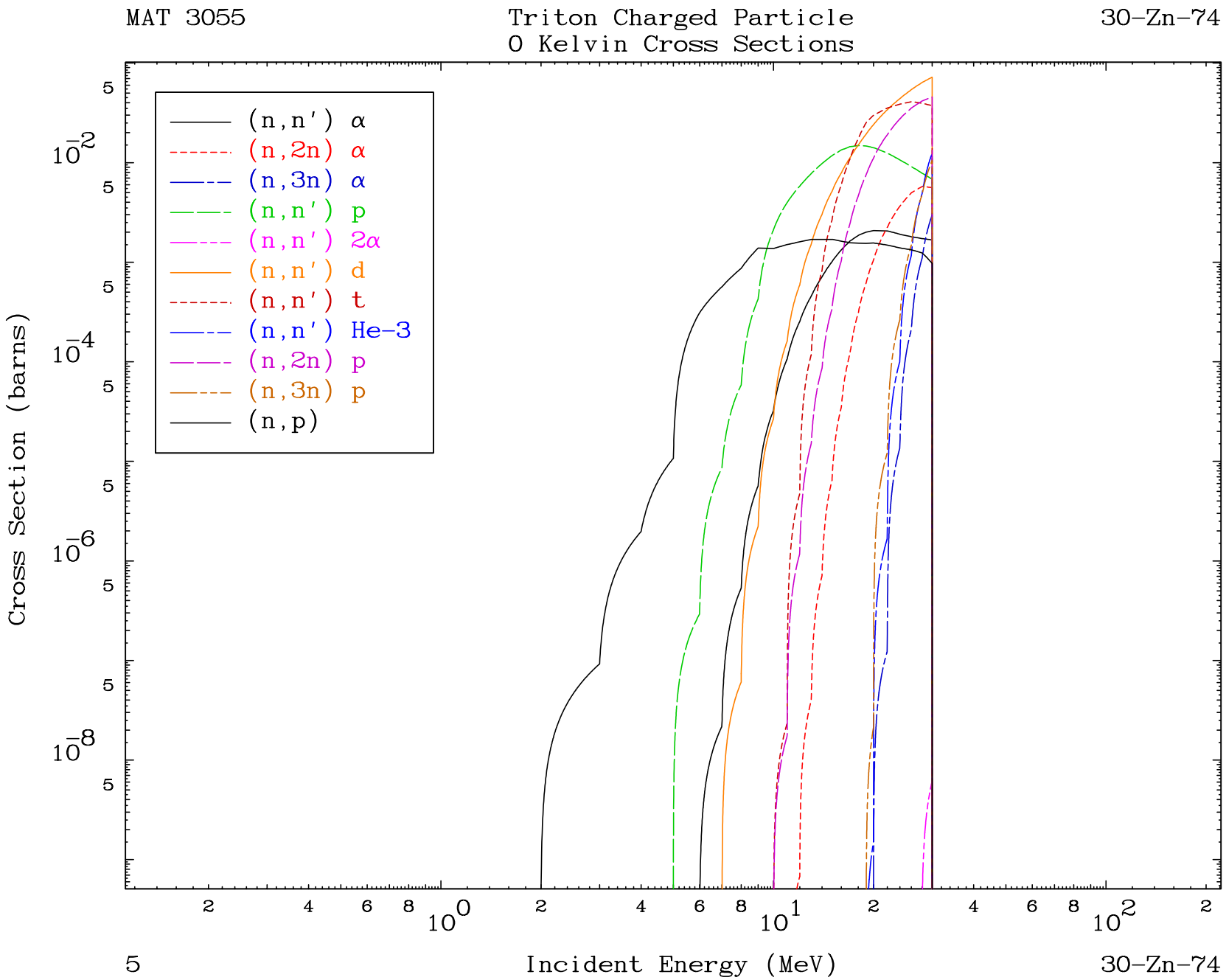
Press Mouse Button to Start

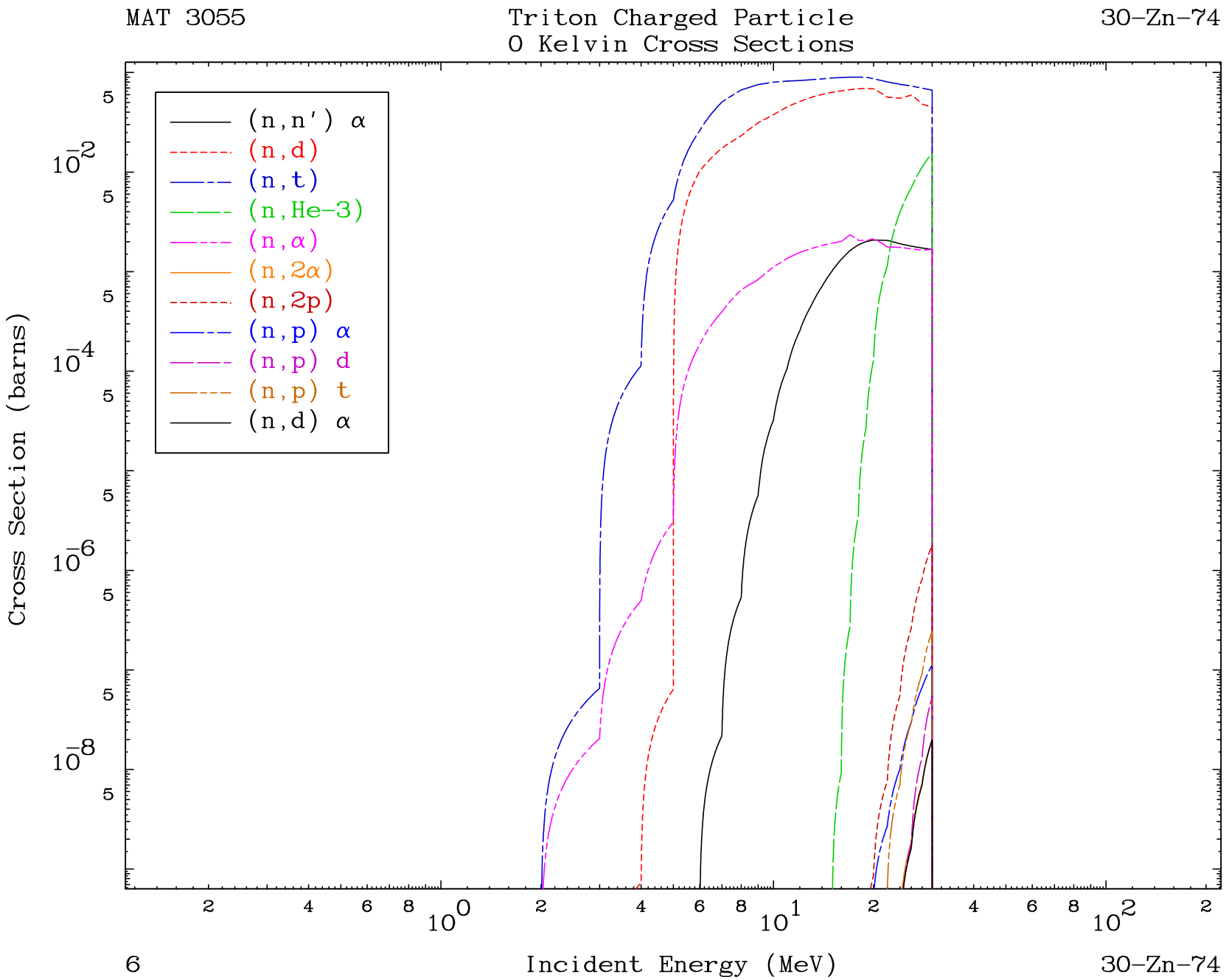

MAT 3055
Triton Major
30-Zn-74
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
30-Zn-74
1

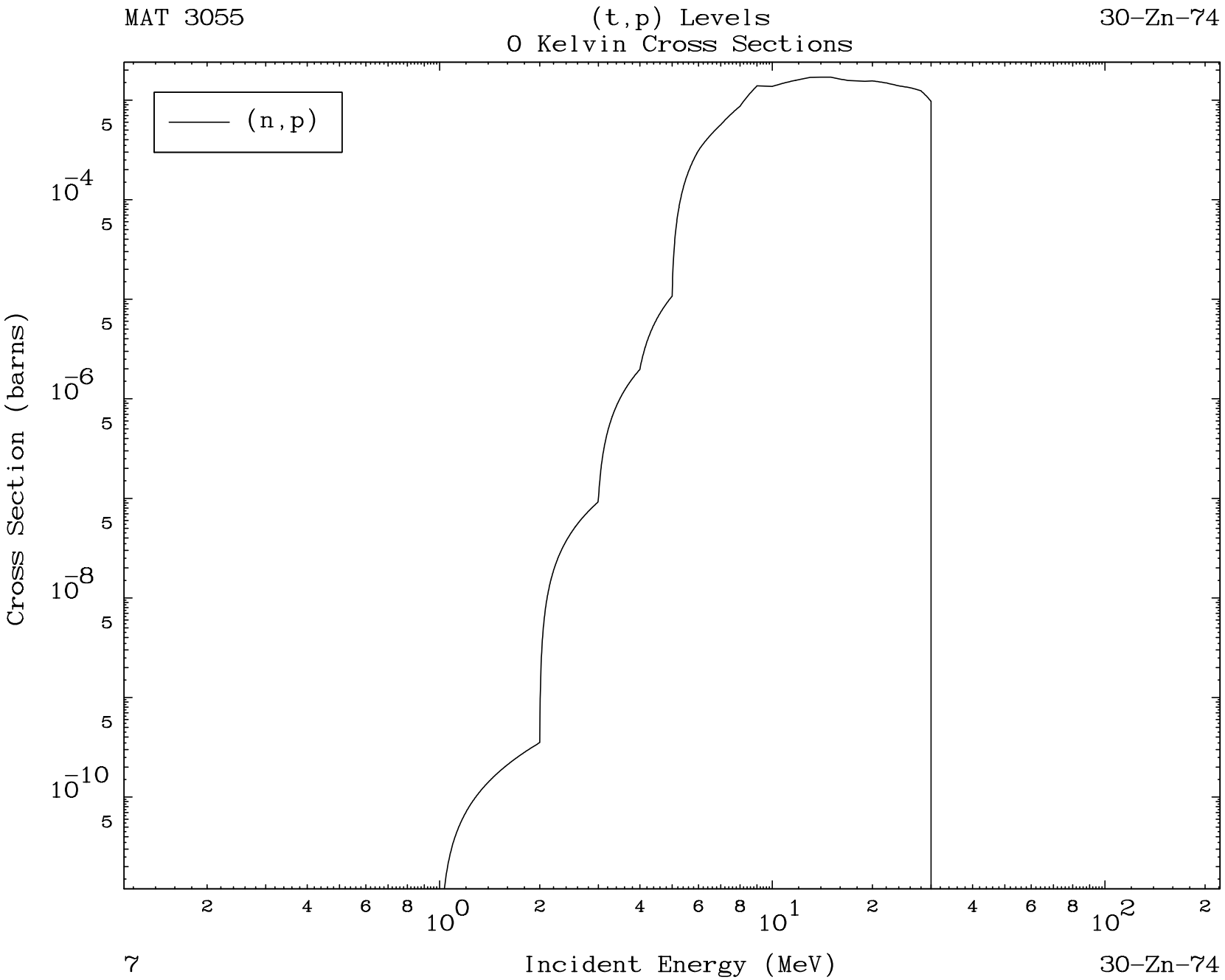

MAT 3055
Triton Neutron Absorption
0 Kelvin Cross Sections
30-Zn-74
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
30-Zn-74

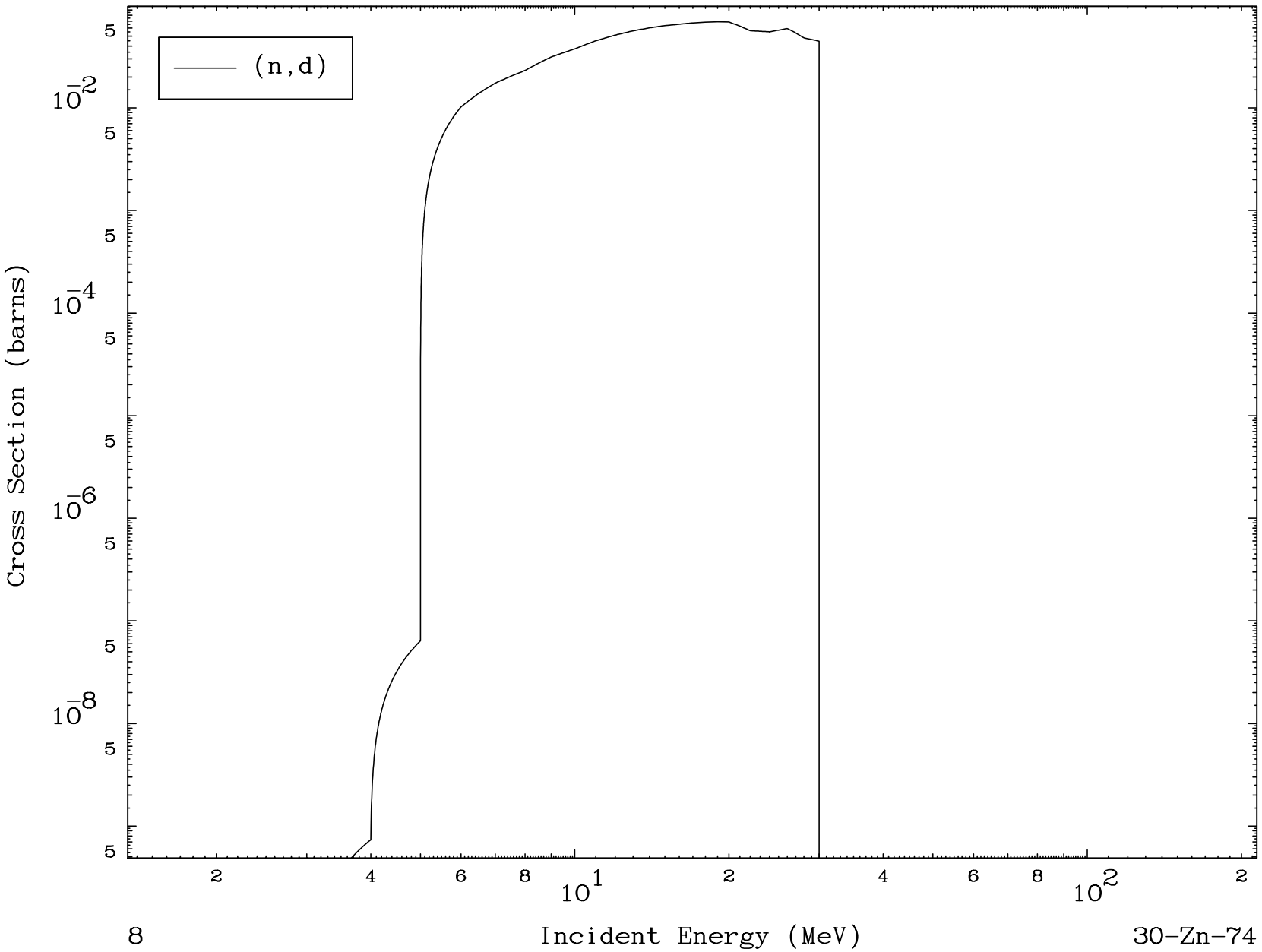

MAT 3055
Triton Neutron Absorption
0 Kelvin Cross Sections
30-Zn-74
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
30-Zn-74

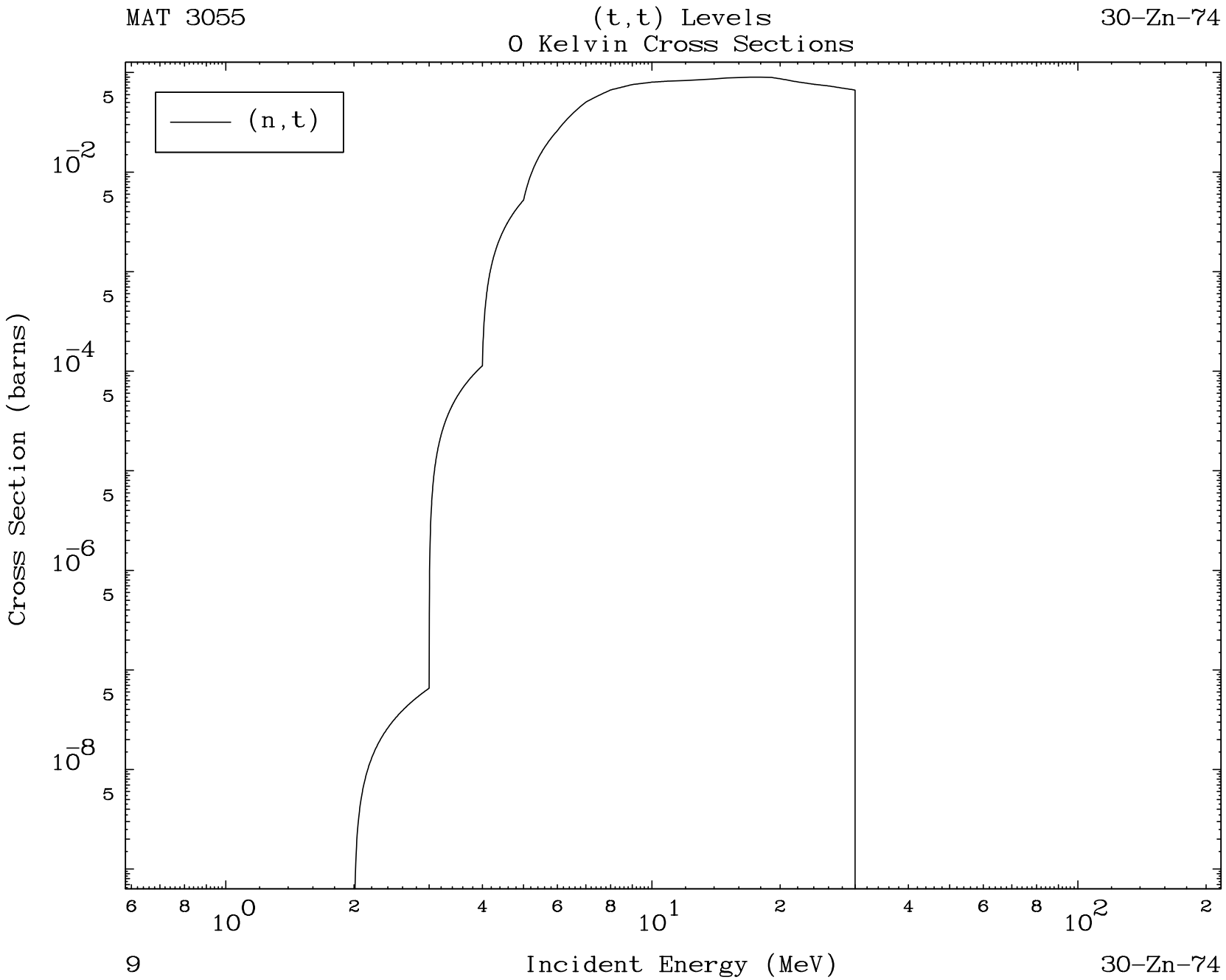

MAT 3055
Triton Neutron Absorption
0 Kelvin Cross Sections
30-Zn-74
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
30-Zn-74

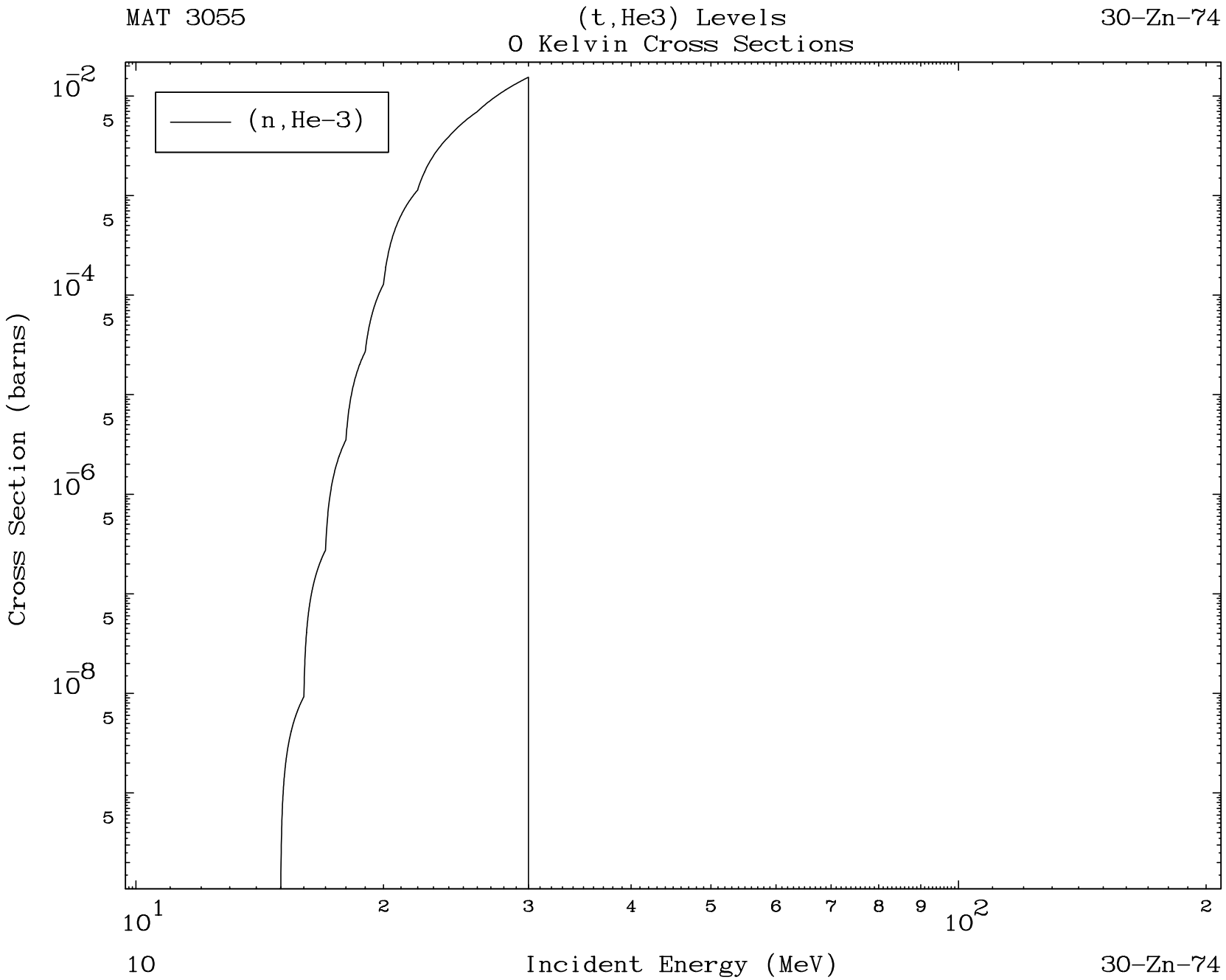

MAT 3055
Triton Charged Particle
0 Kelvin Cross Sections
30-Zn-74
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
30-Zn-74

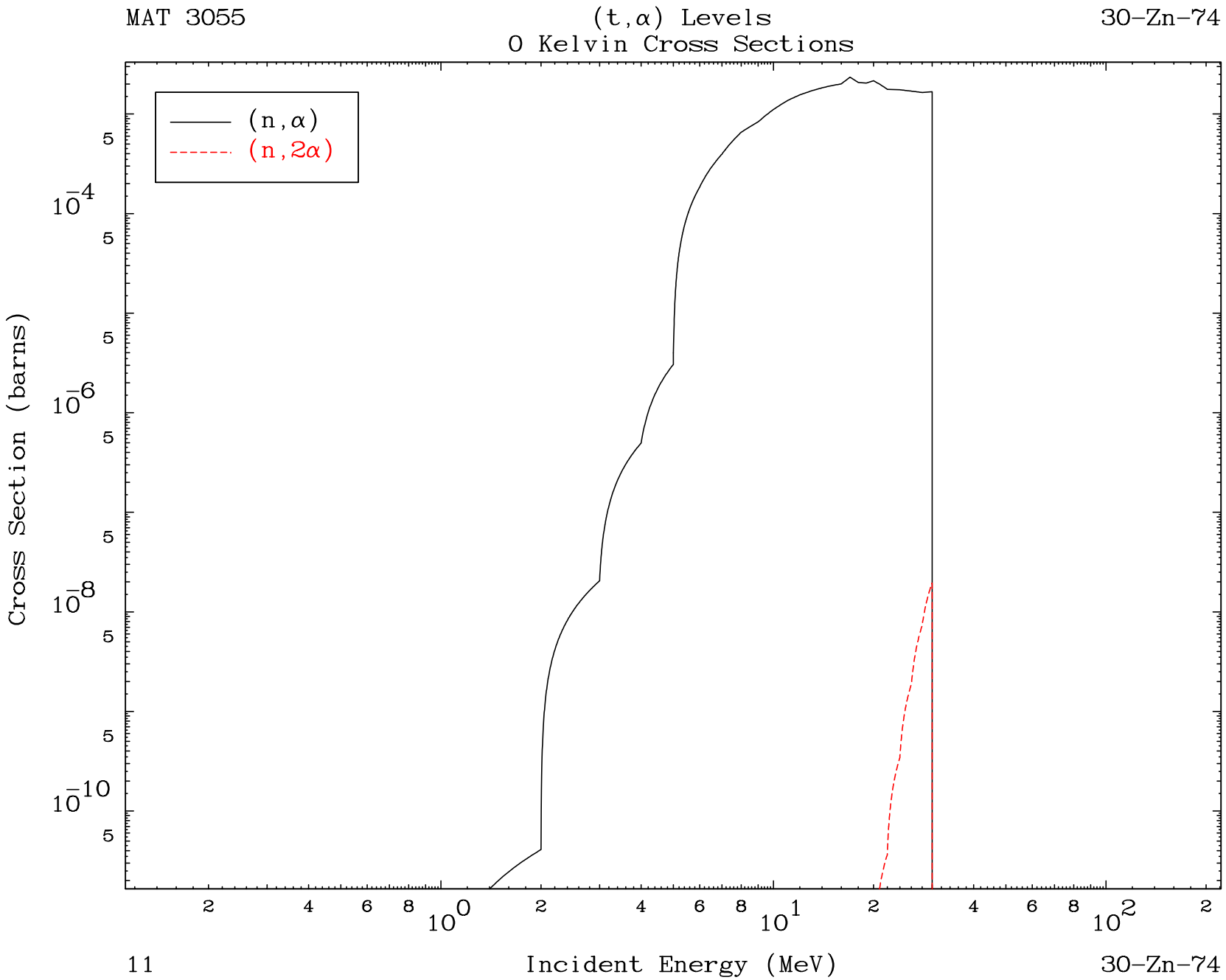

MAT 3055
Triton Charged Particle
0 Kelvin Cross Sections
30-Zn-74
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
30-Zn-74

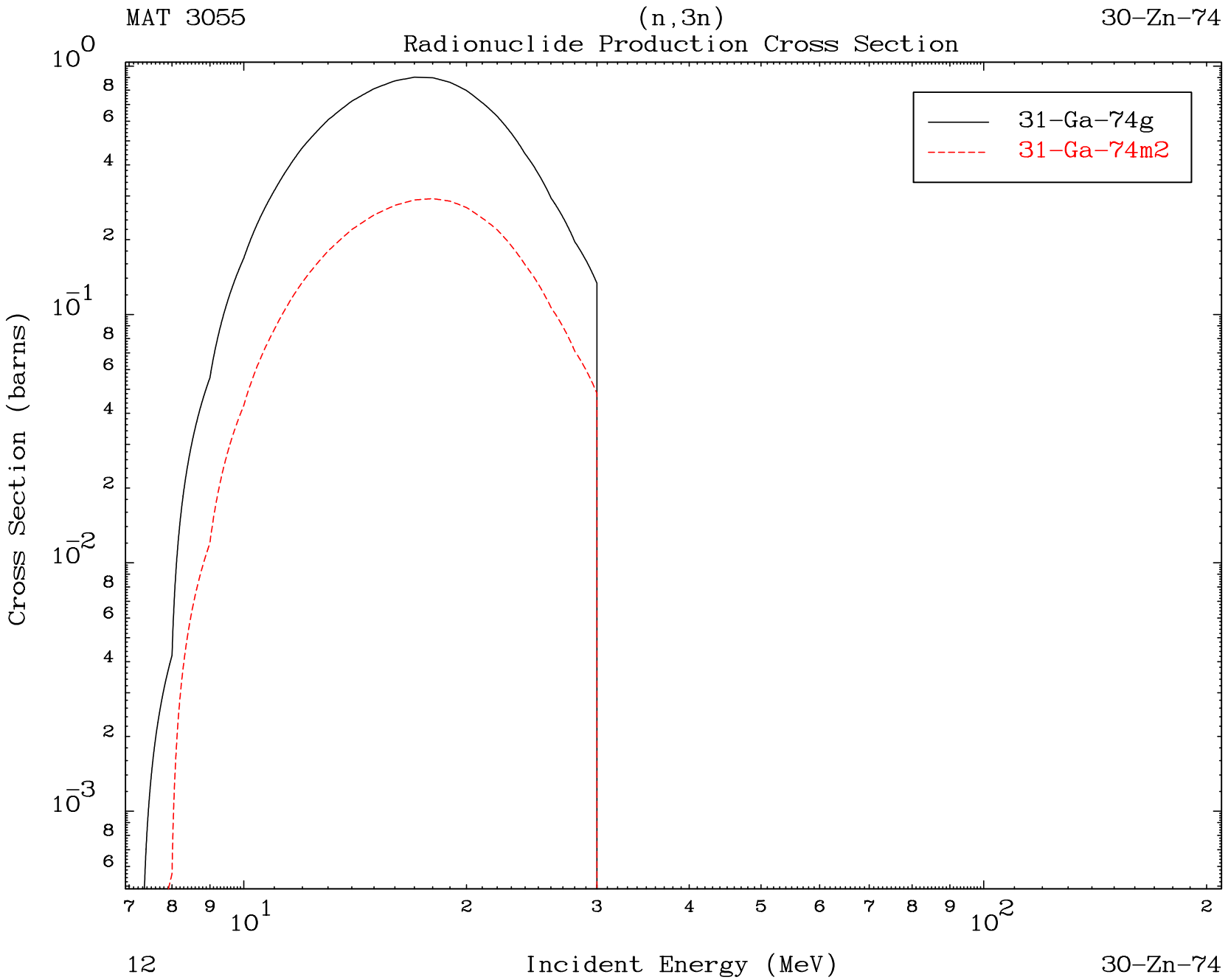

MAT 3055
(t,p) Levels
30-Zn-74
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
30-Zn-74

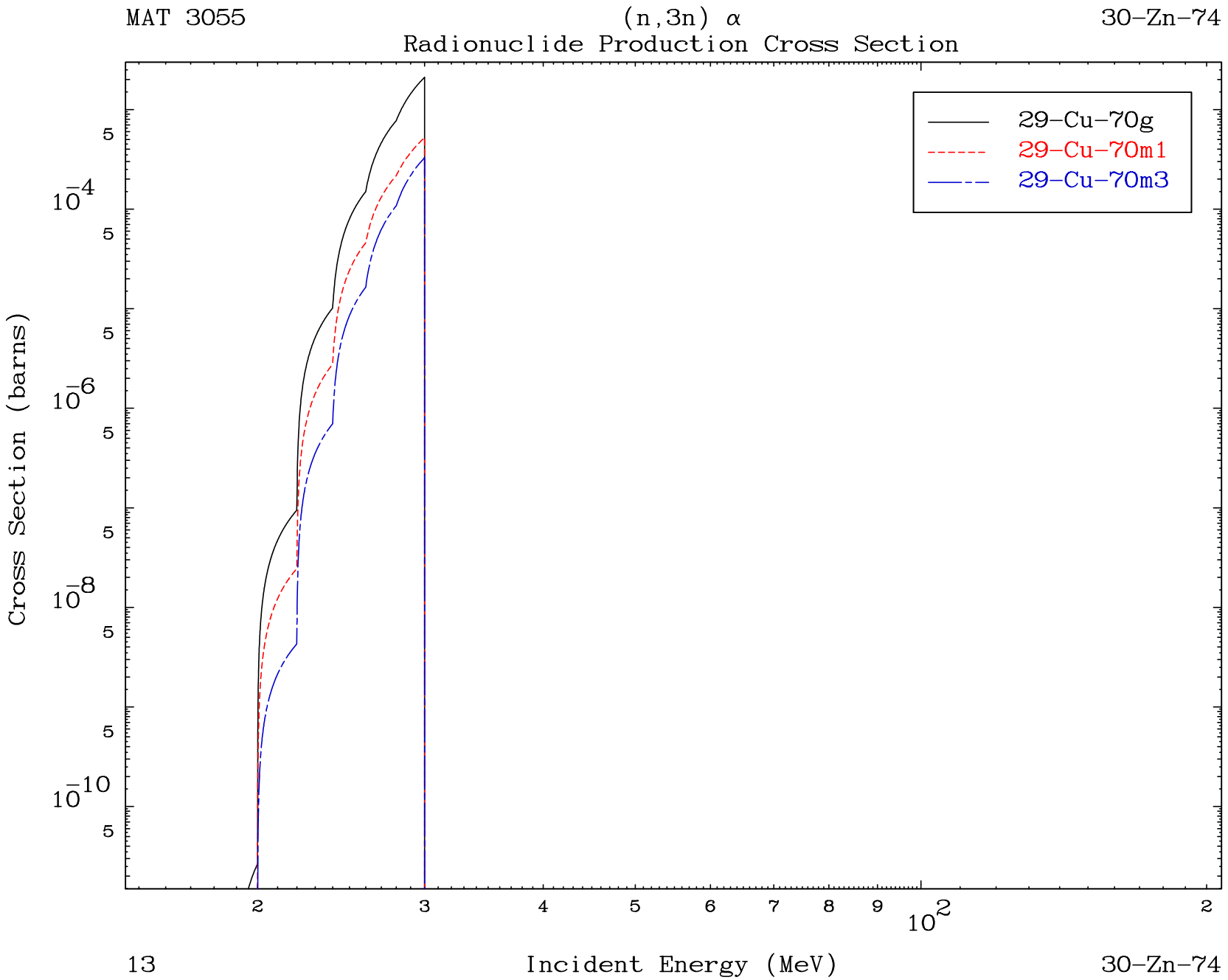

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
Incident Energy (MeV)

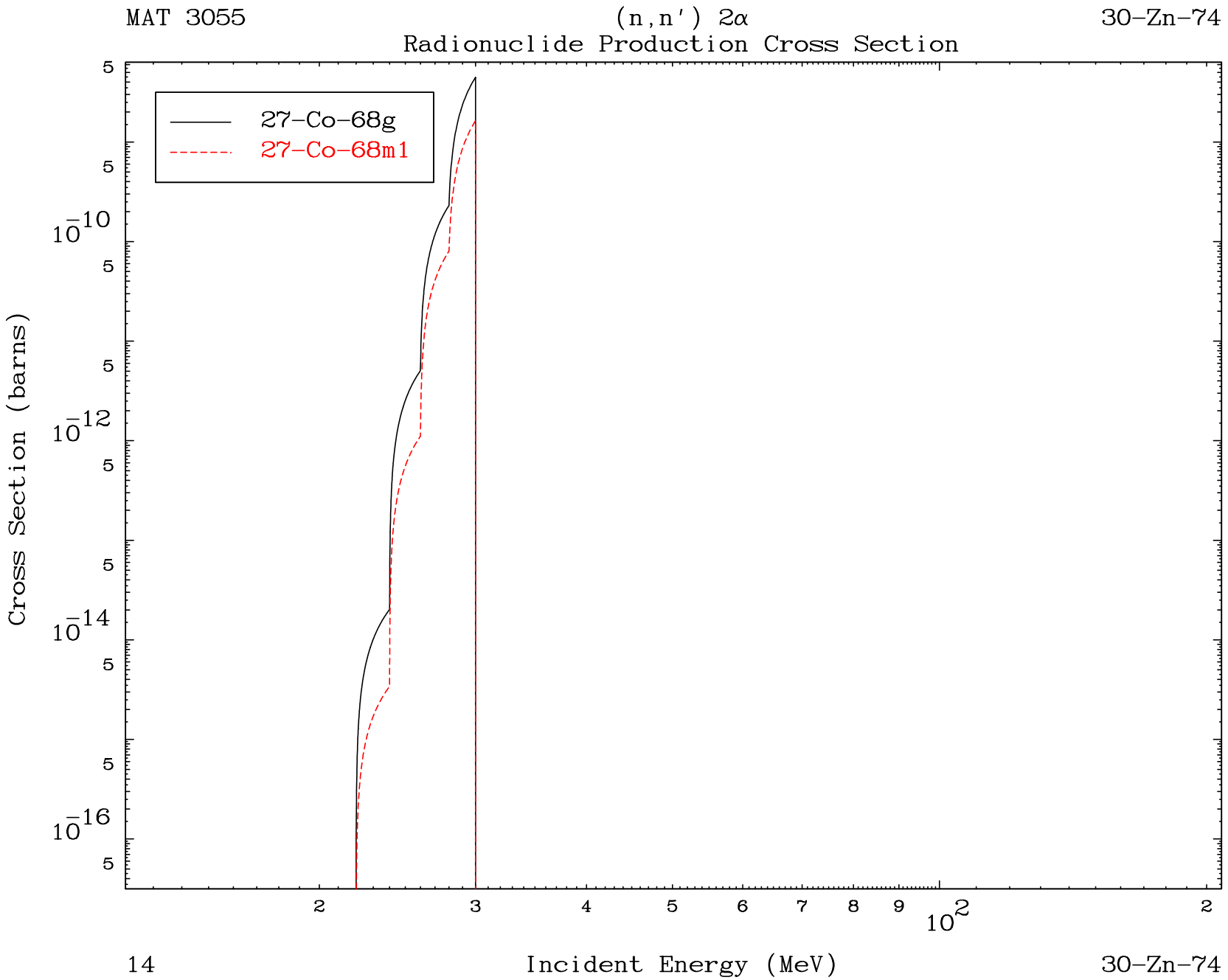

MAT 3055
(t,t) Levels
30-Zn-74
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
30-Zn-74

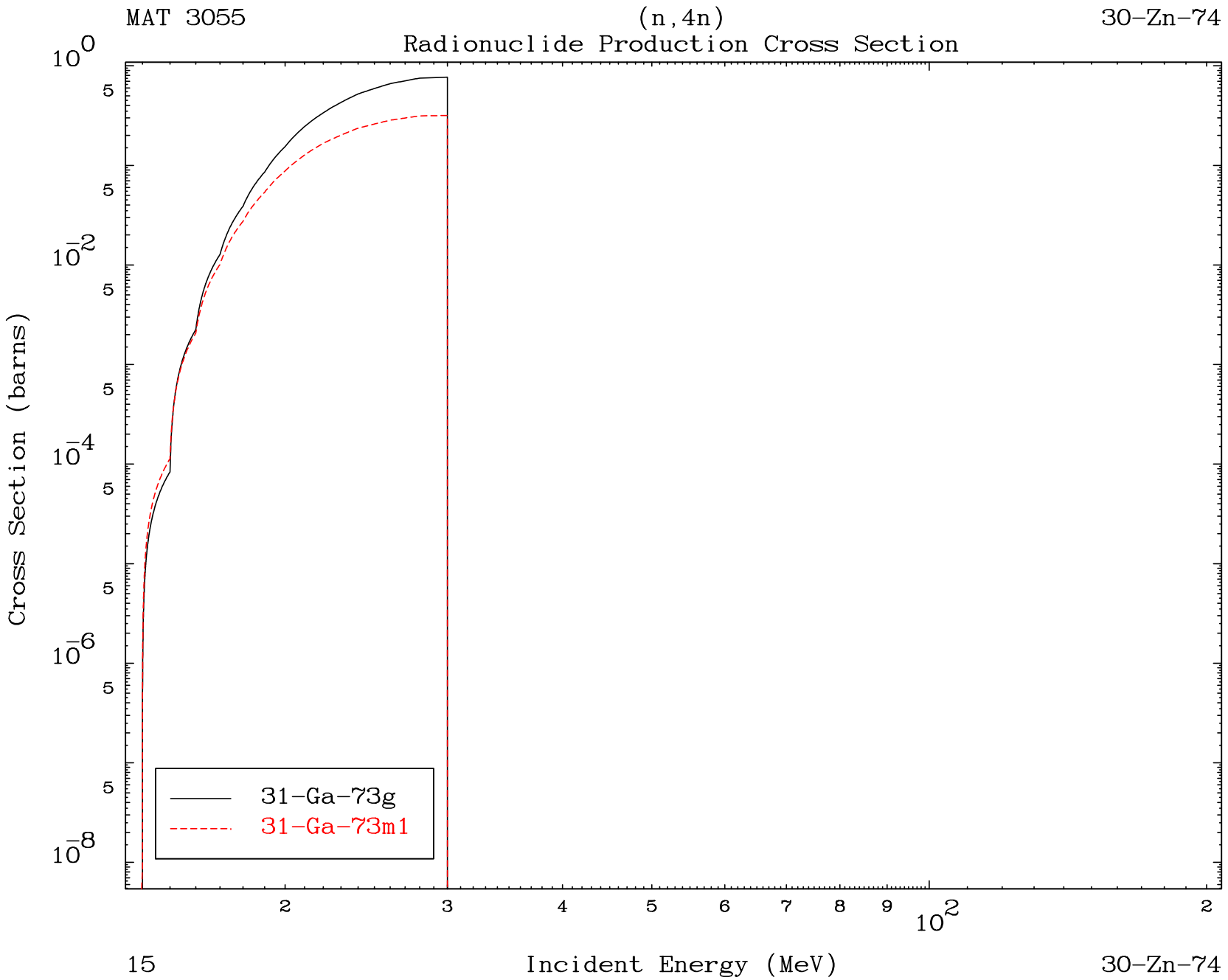

MAT 3055
(t,He3) Levels
30-Zn-74
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
30-Zn-74

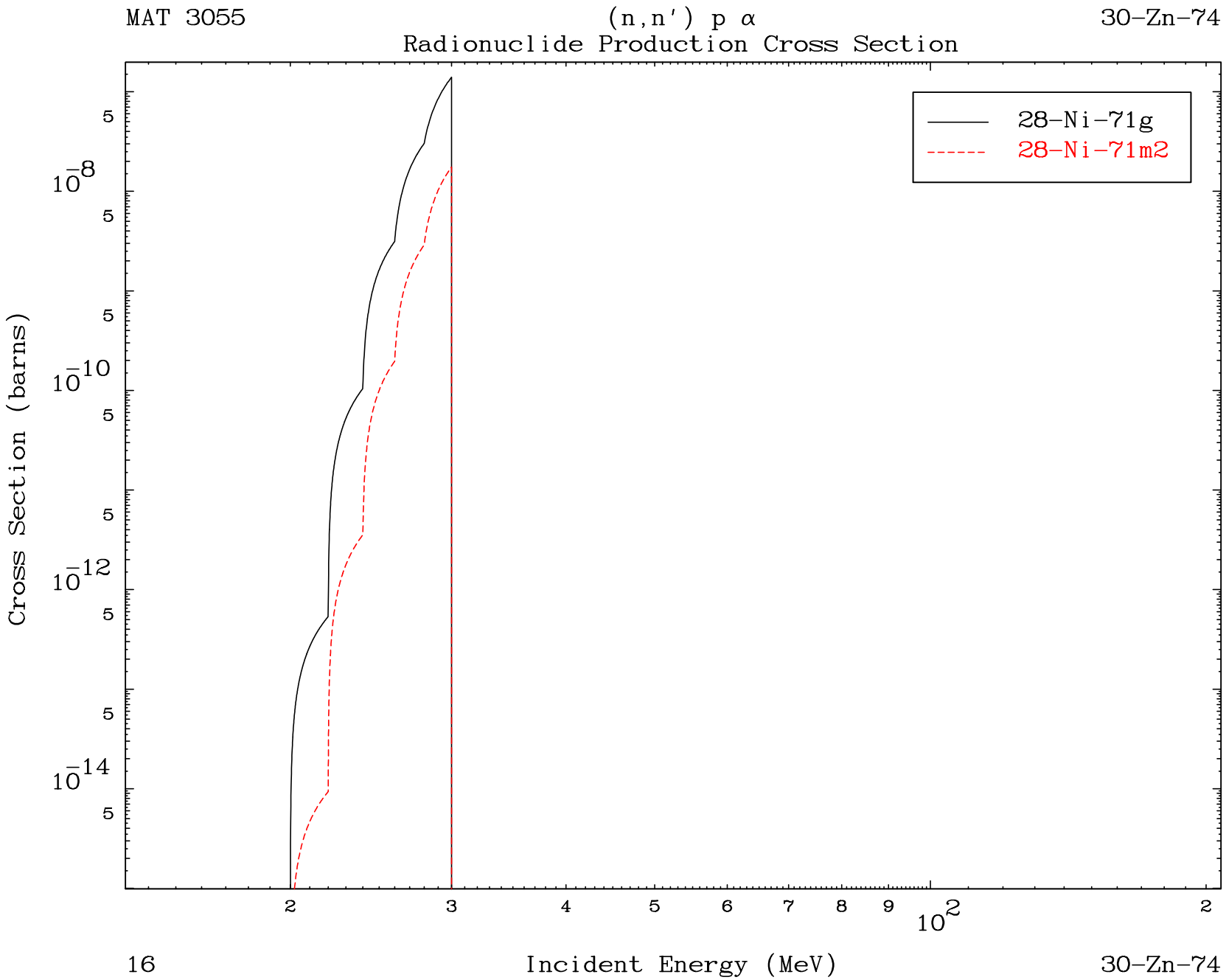

MAT 3055
(t,α) Levels
30-Zn-74
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
100
101
102
11
30-Zn-74

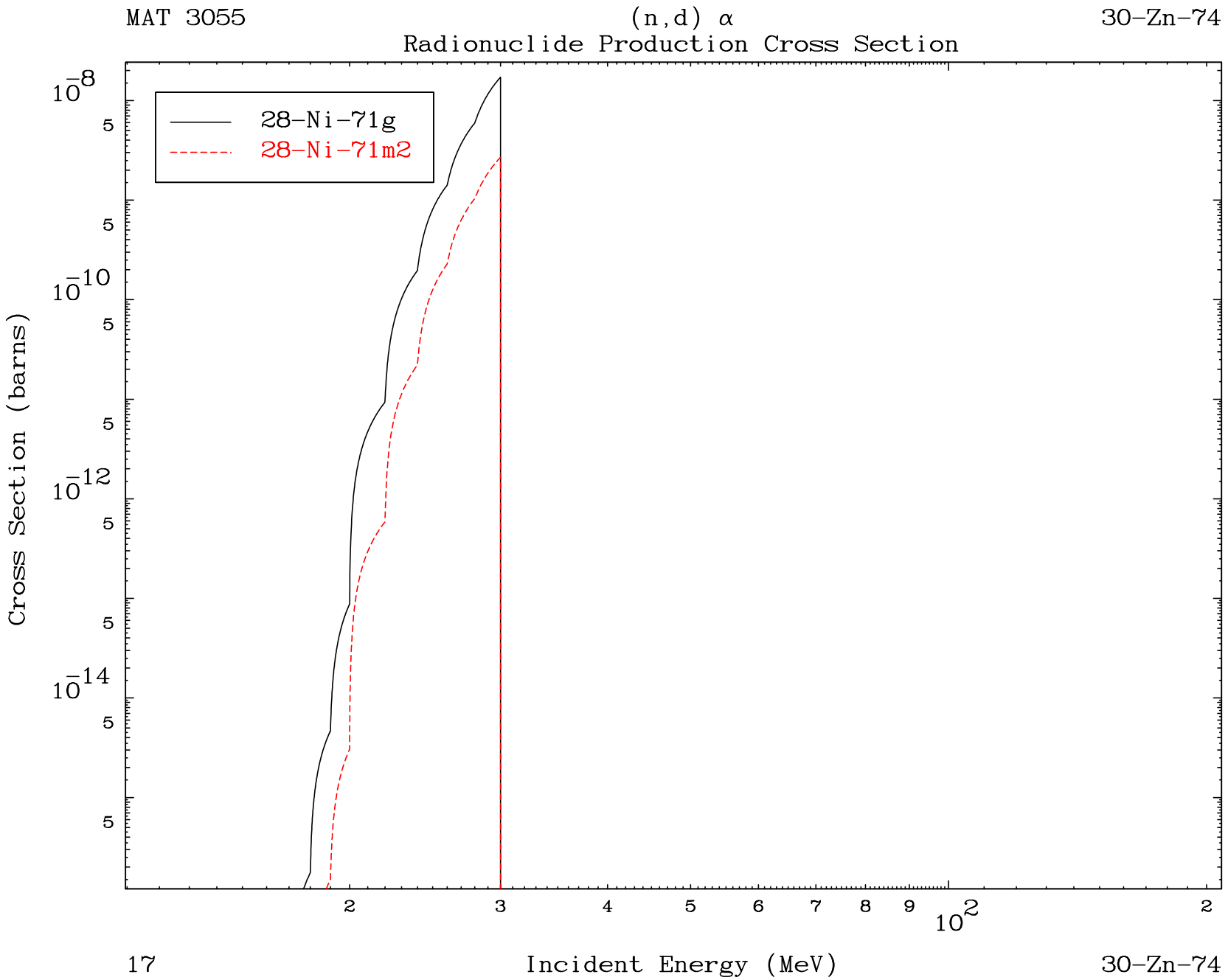

MAT 3055
(n,3n)
30-Zn-74
Radionuclide Production Cross Section
31-Ga-74g
31-Ga-74m2
Cross Section (barns)
Incident Energy (MeV)
12
30-Zn-74


MAT 3055
(n,3n) α
30-Zn-74
Radionuclide Production Cross Section
29-Cu-70g
29-Cu-70m1
29-Cu-70m3
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
30-Zn-74


MAT 3055
(n,n') 2α
30-Zn-74
Radionuclide Production Cross Section
27-Co-68g
27-Co-68m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
14
Incident Energy (MeV)
30-Zn-74


MAT 3055
(n,4n)
30-Zn-74
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
31-Ga-73g
31-Ga-73m1
15
30-Zn-74


MAT 3055
(n,n') p α
30-Zn-74
Radionuclide Production Cross Section
28-Ni-71g
28-Ni-71m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
30-Zn-74


MAT 3055
(n,d) α
30-Zn-74
Radionuclide Production Cross Section
28-Ni-71g
28-Ni-71m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
30-Zn-74