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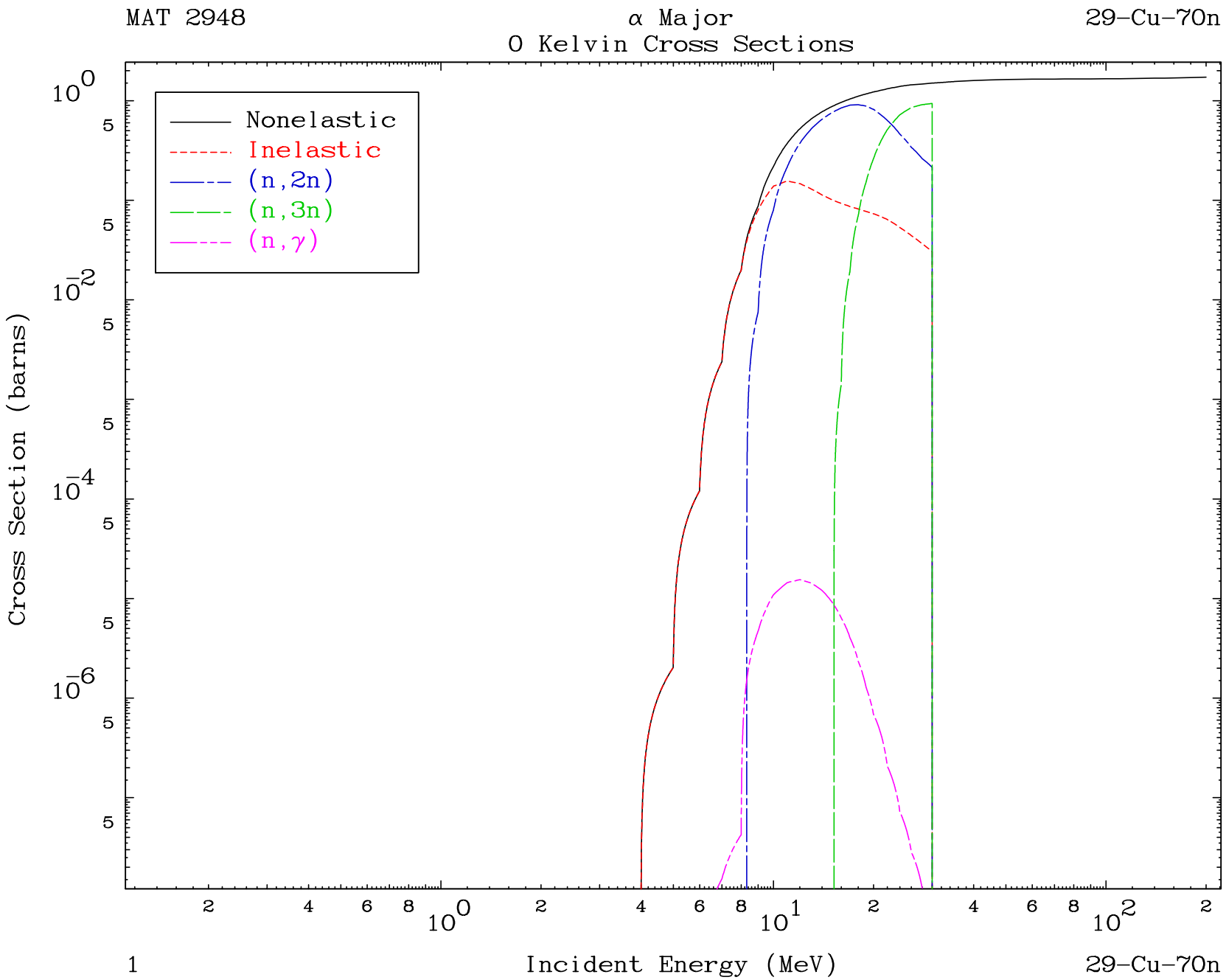
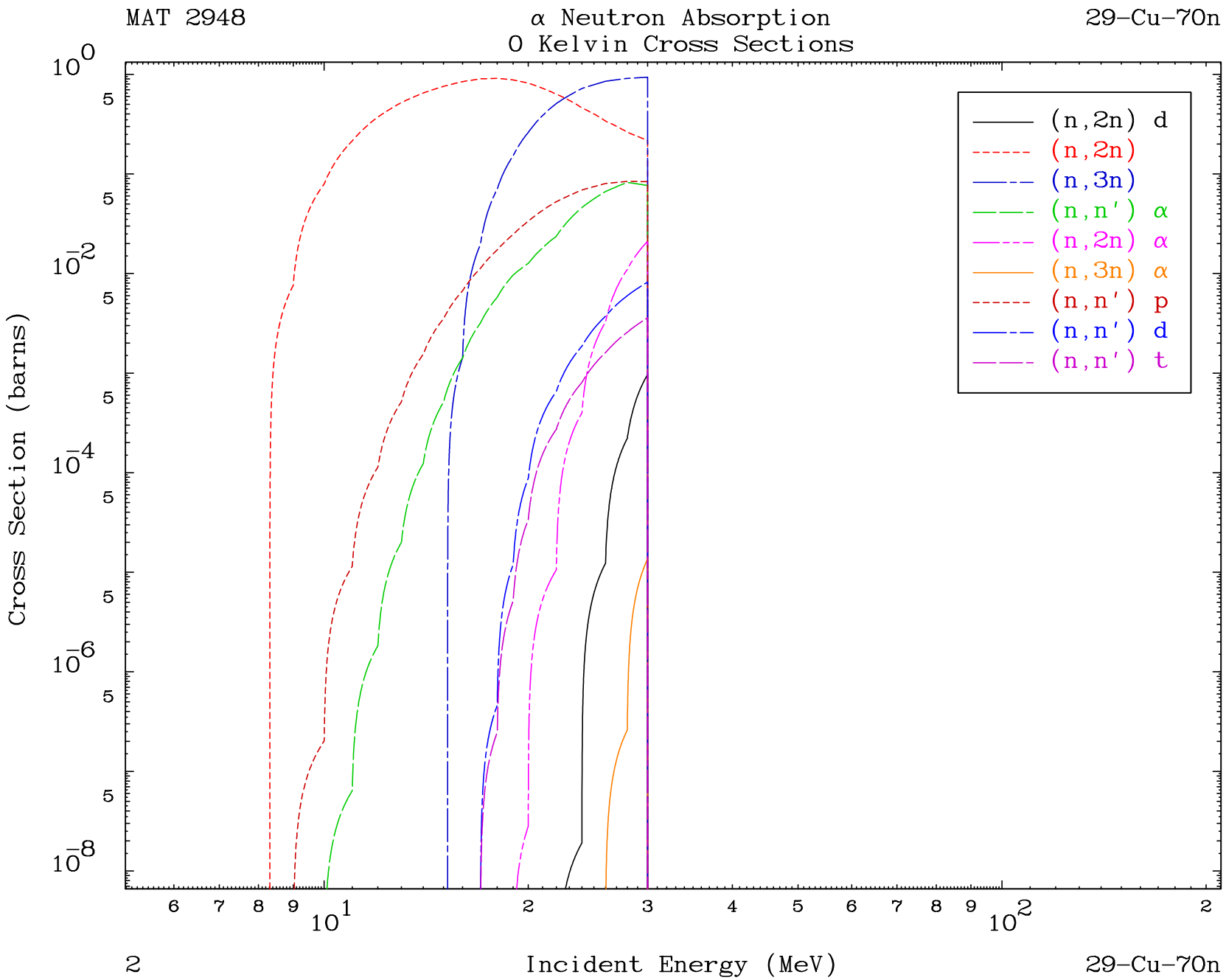
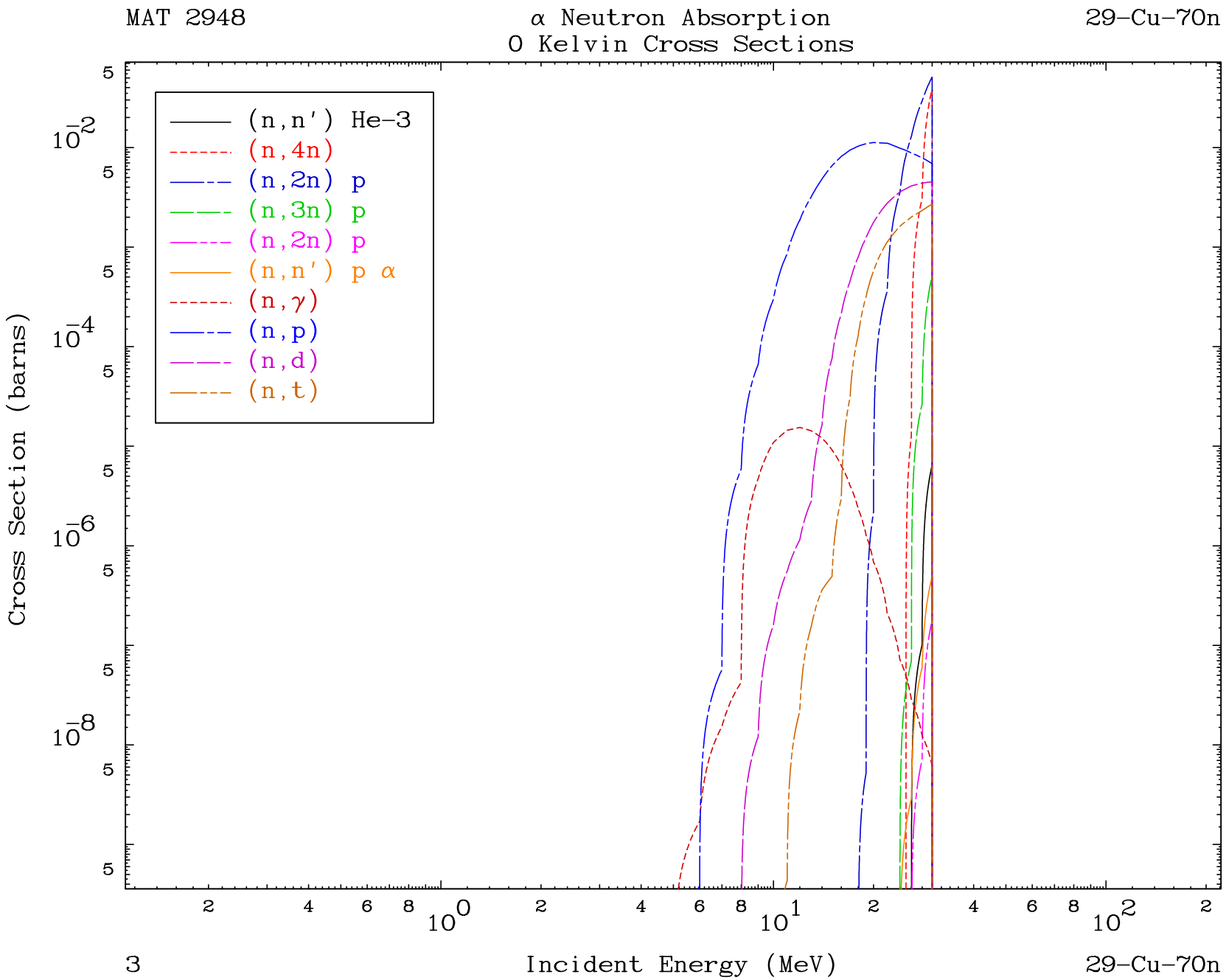
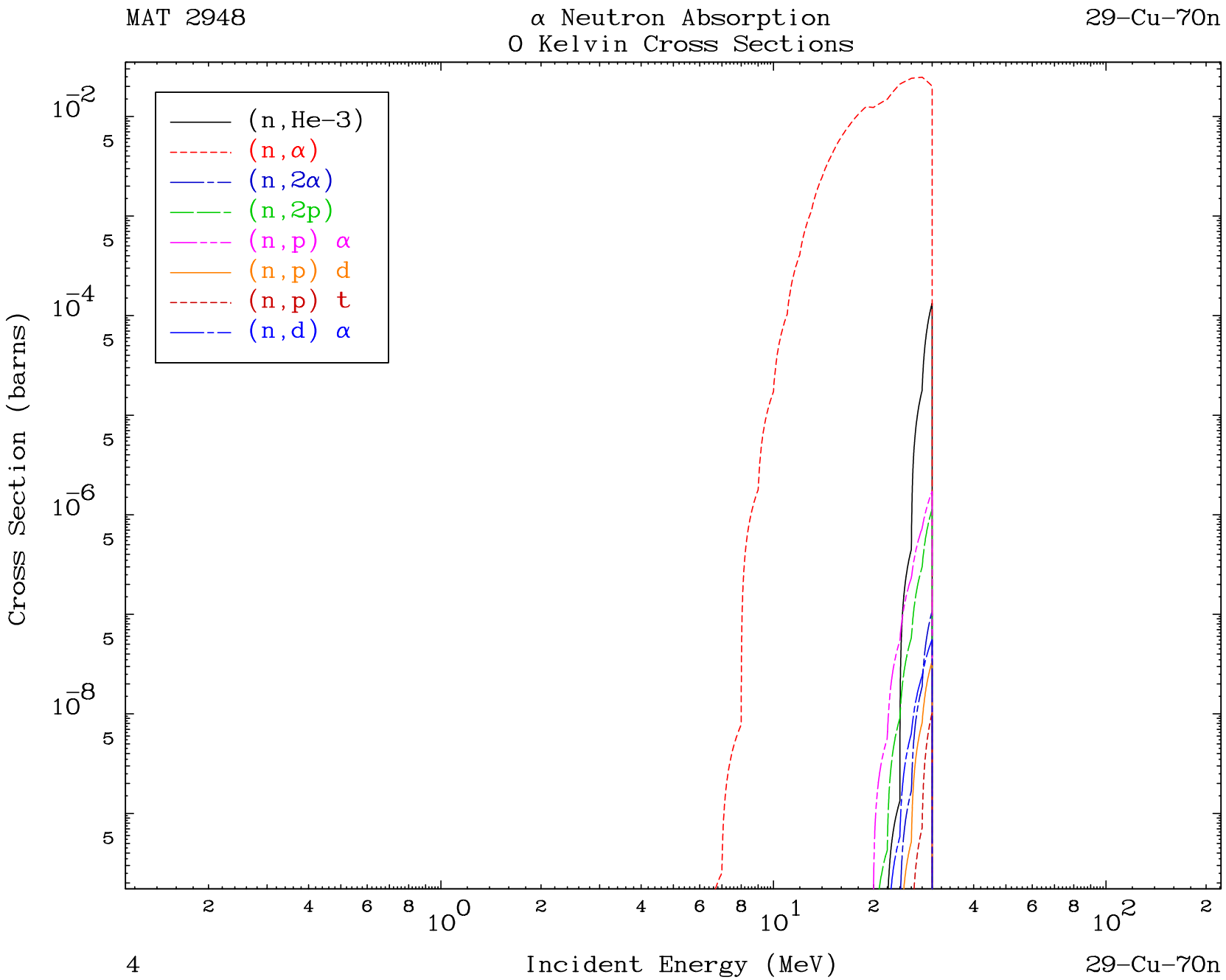
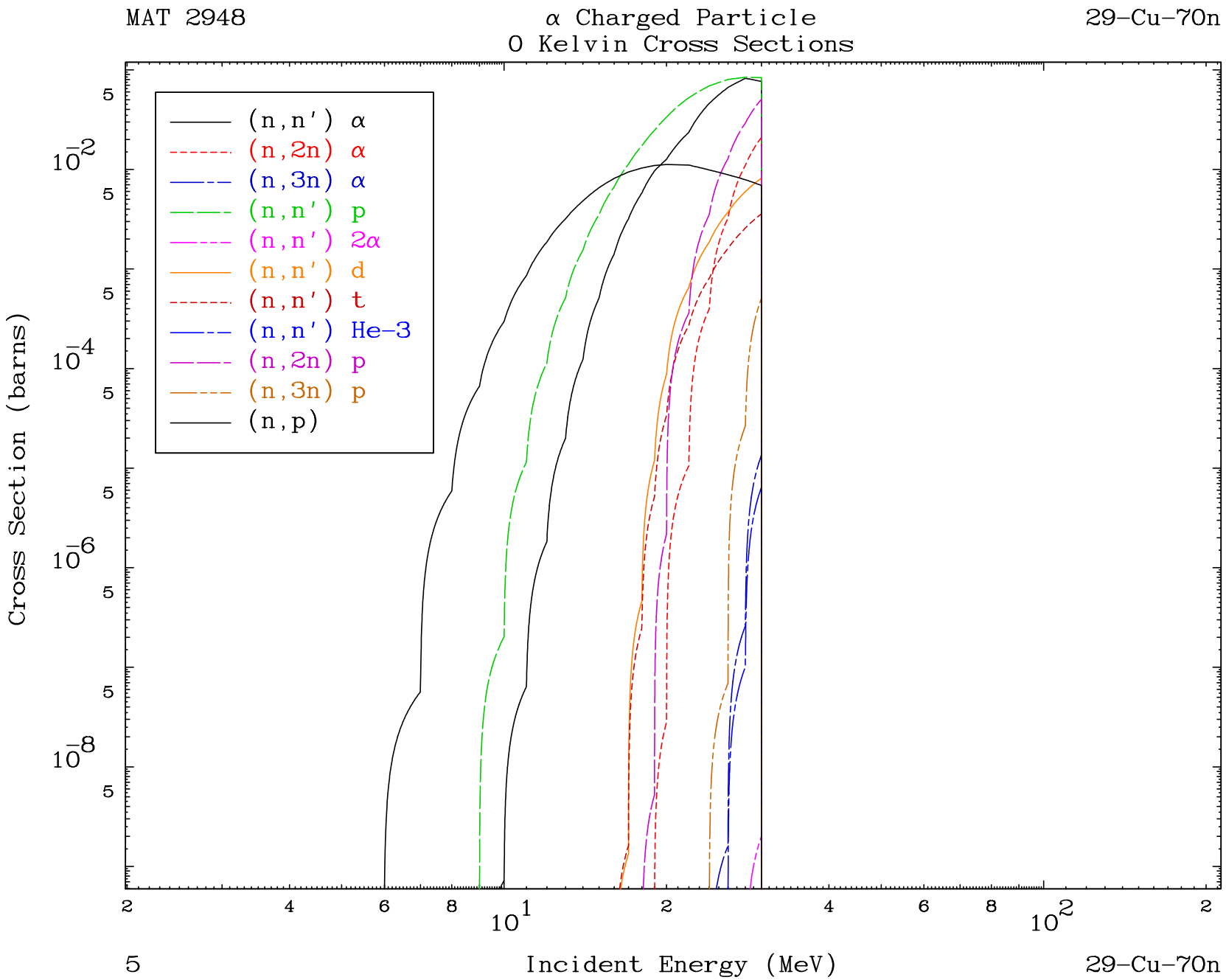
Press Mouse Button to Start

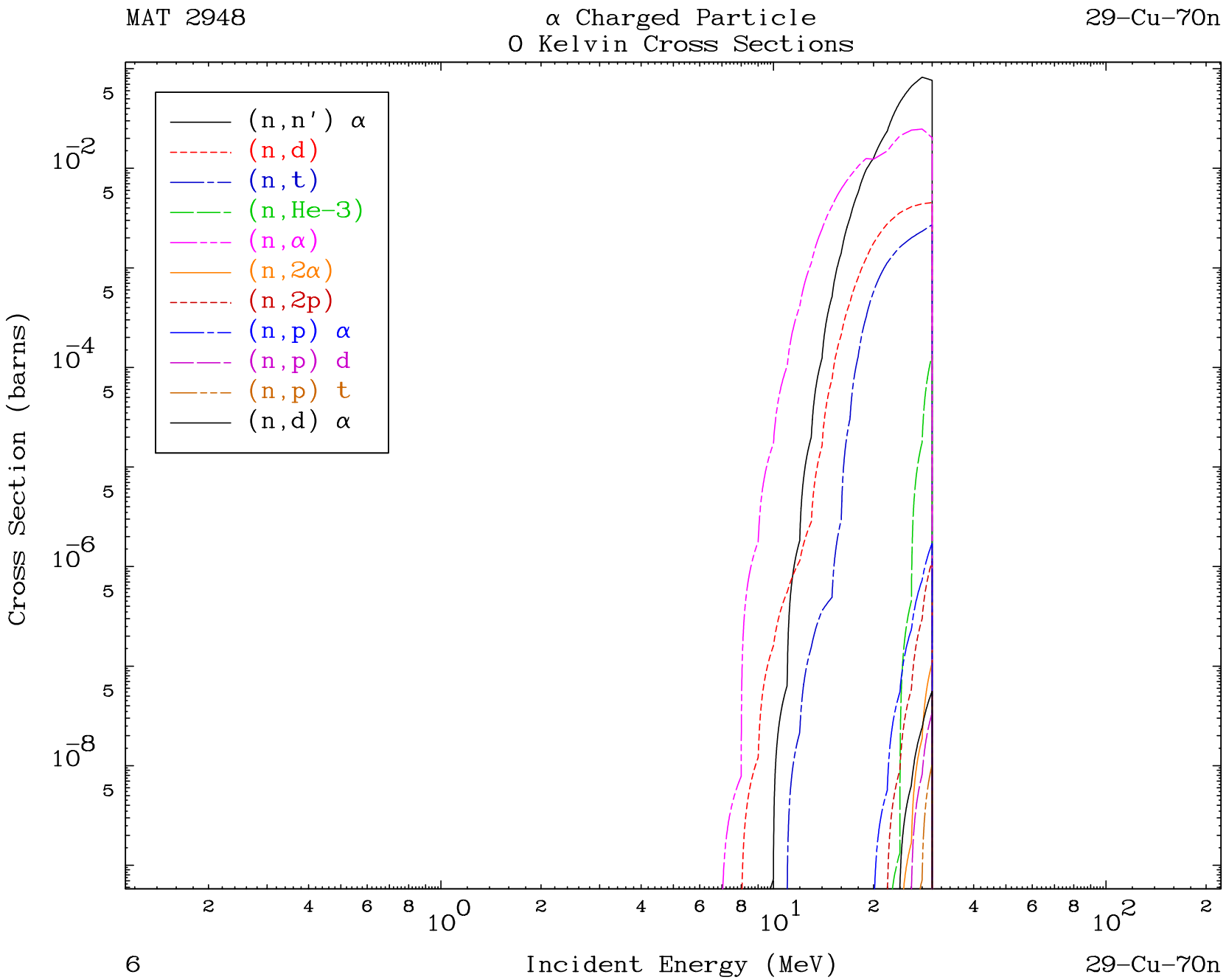

MAT 2948
α Major
29-Cu-70n
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
29-Cu-70n
1

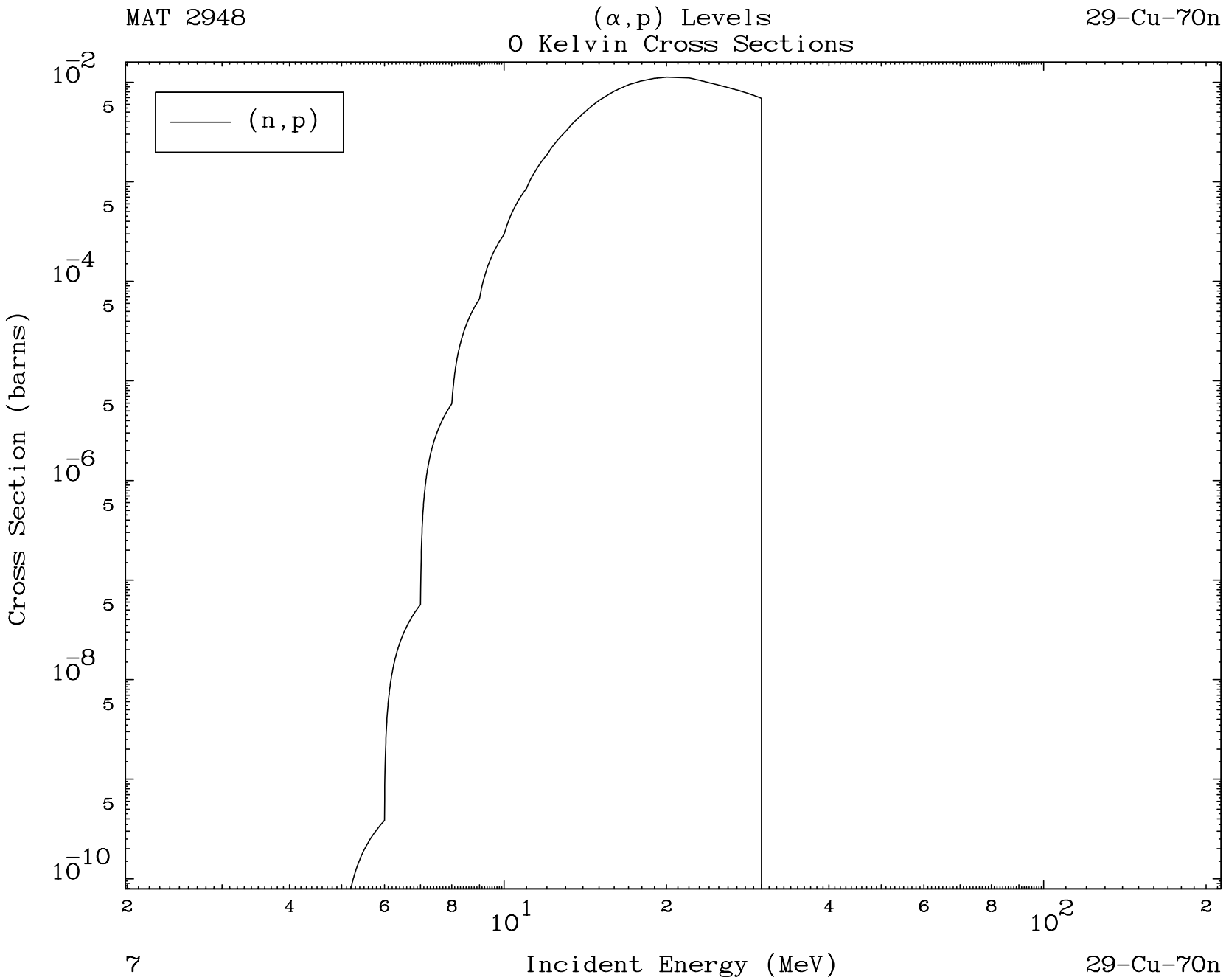

MAT 2948
α Neutron Absorption
0 Kelvin Cross Sections
29-Cu-70n
Cross Section (barns)
Incident Energy (MeV)
29-Cu-70n
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t

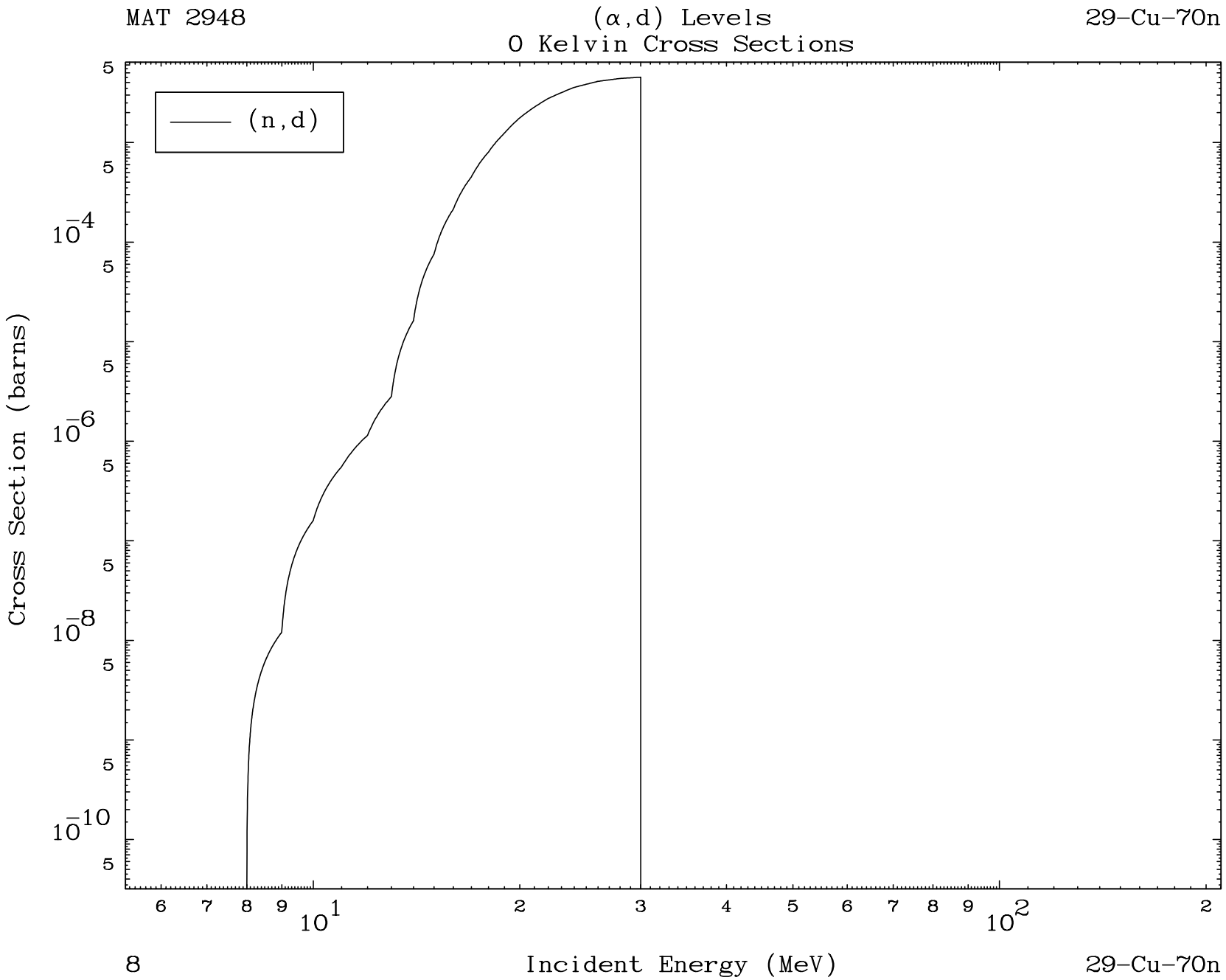

MAT 2948
α Neutron Absorption
0 Kelvin Cross Sections
29-Cu-70n
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
29-Cu-70n

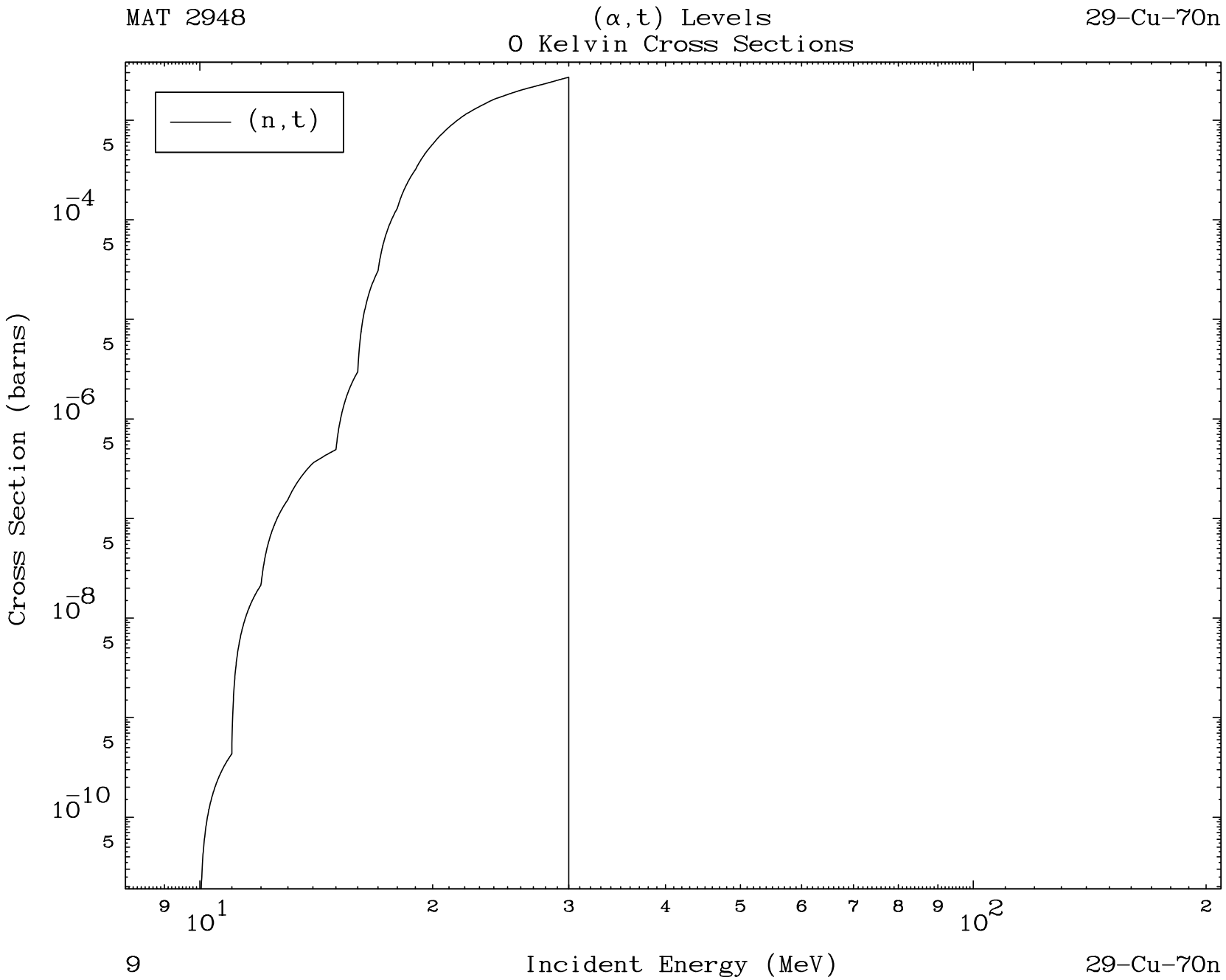

MAT 2948
α Neutron Absorption
0 Kelvin Cross Sections
29-Cu-70n
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
29-Cu-70n

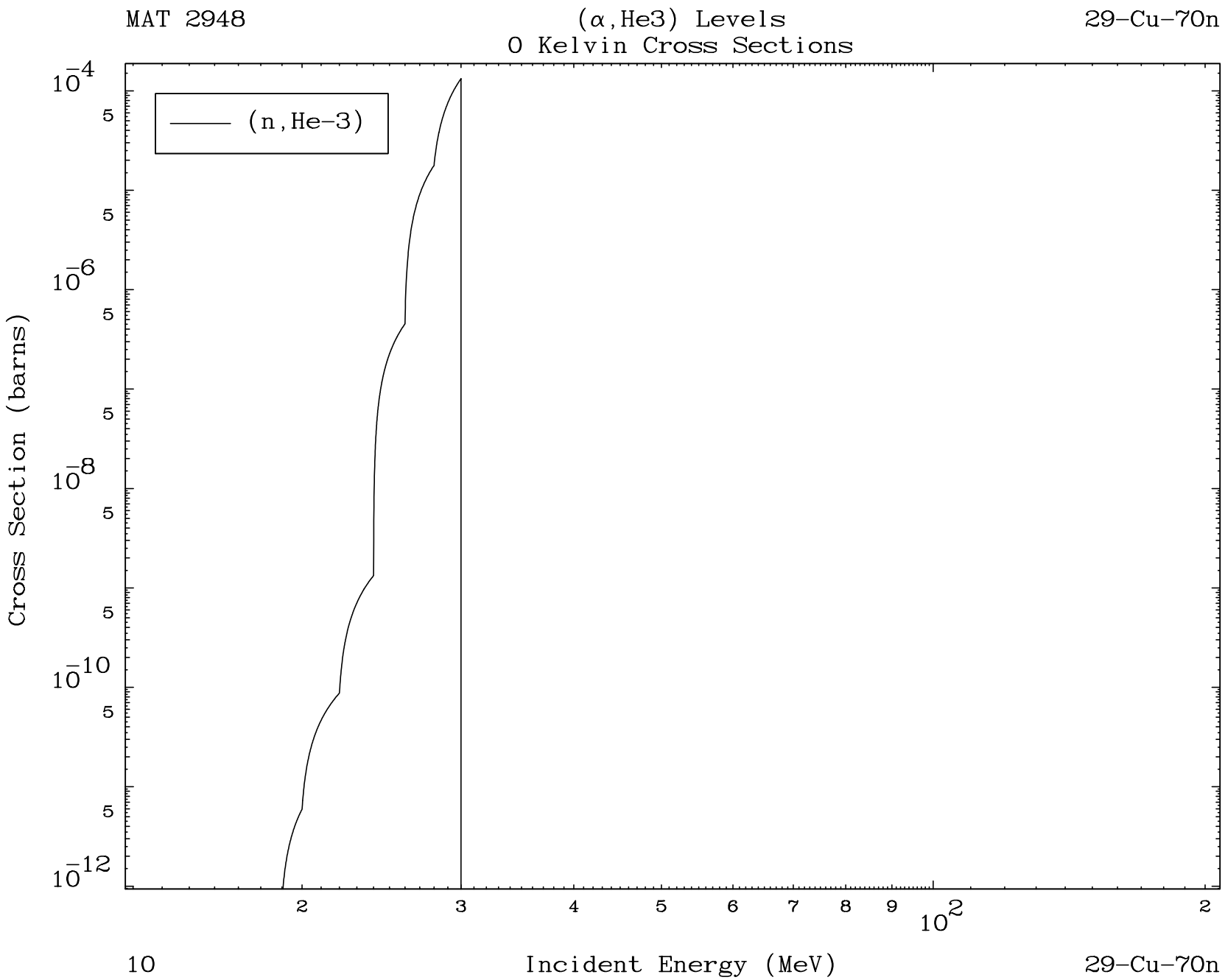

MAT 2948
α Charged Particle
0 Kelvin Cross Sections
29-Cu-70n
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
29-Cu-70n

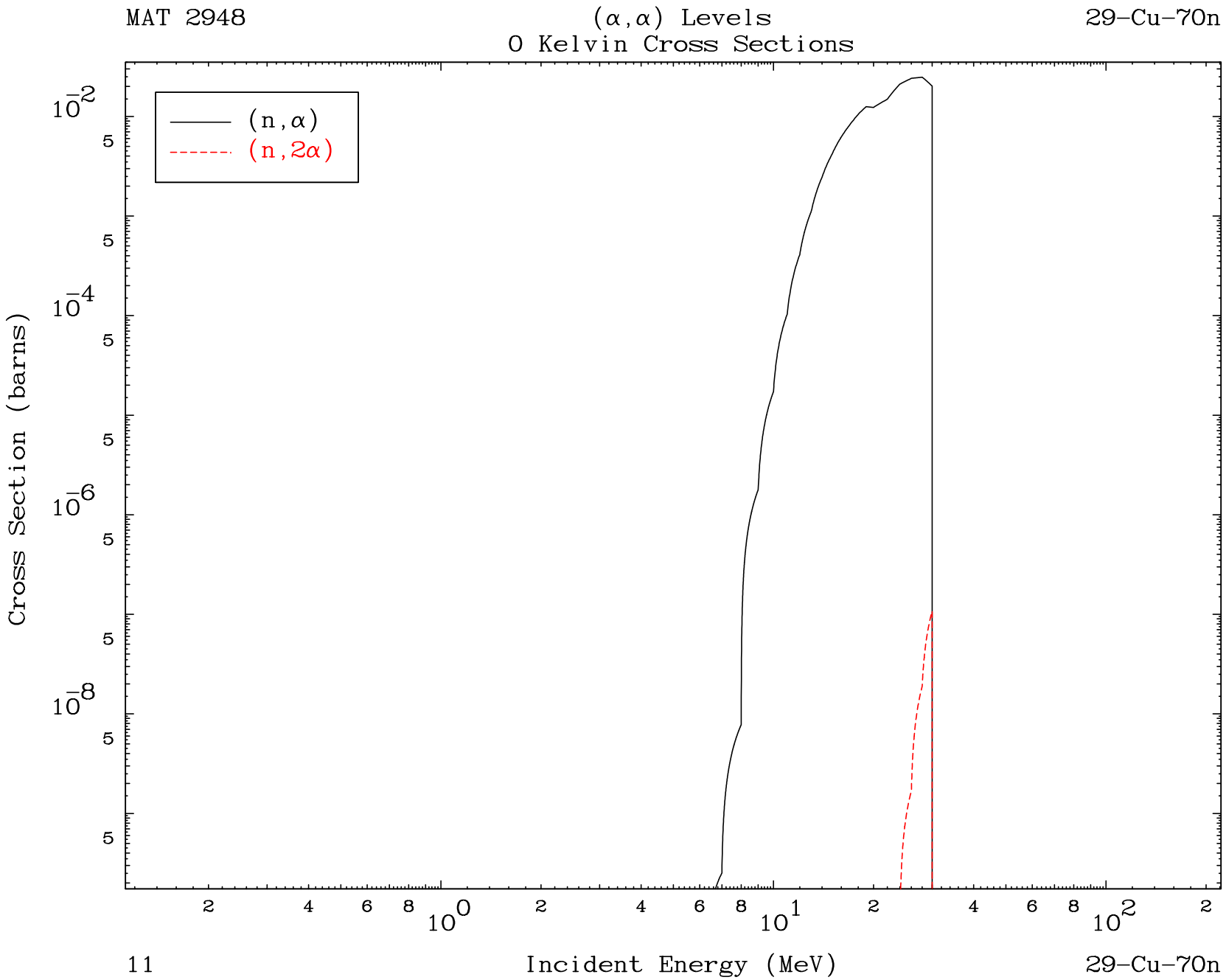

MAT 2948
α Charged Particle
0 Kelvin Cross Sections
29-Cu-70n
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
29-Cu-70n

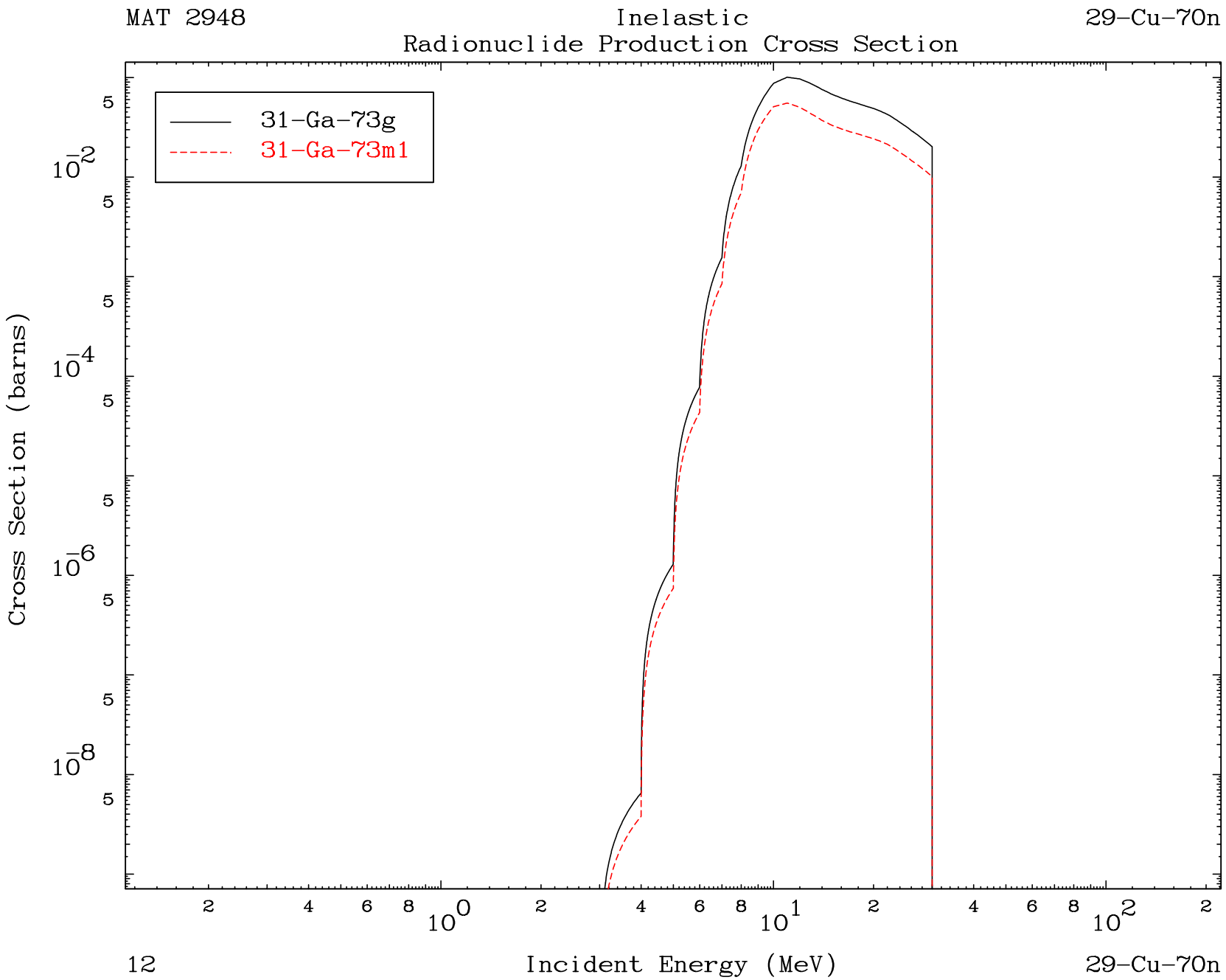

MAT 2948
(α,p) Levels
29-Cu-70n
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
29-Cu-70n

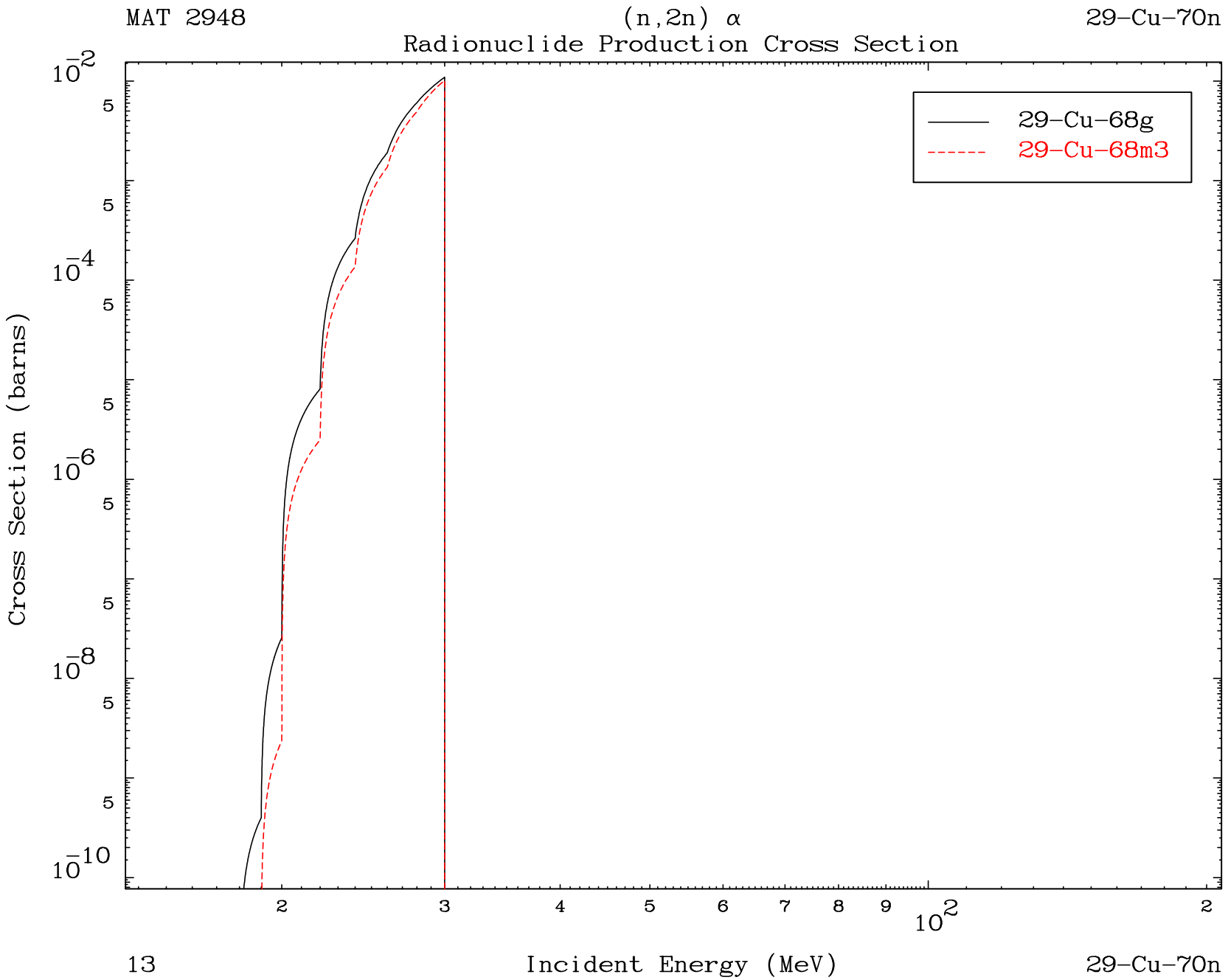

MAT 2948
(α,d) Levels
29-Cu-70n
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
29-Cu-70n

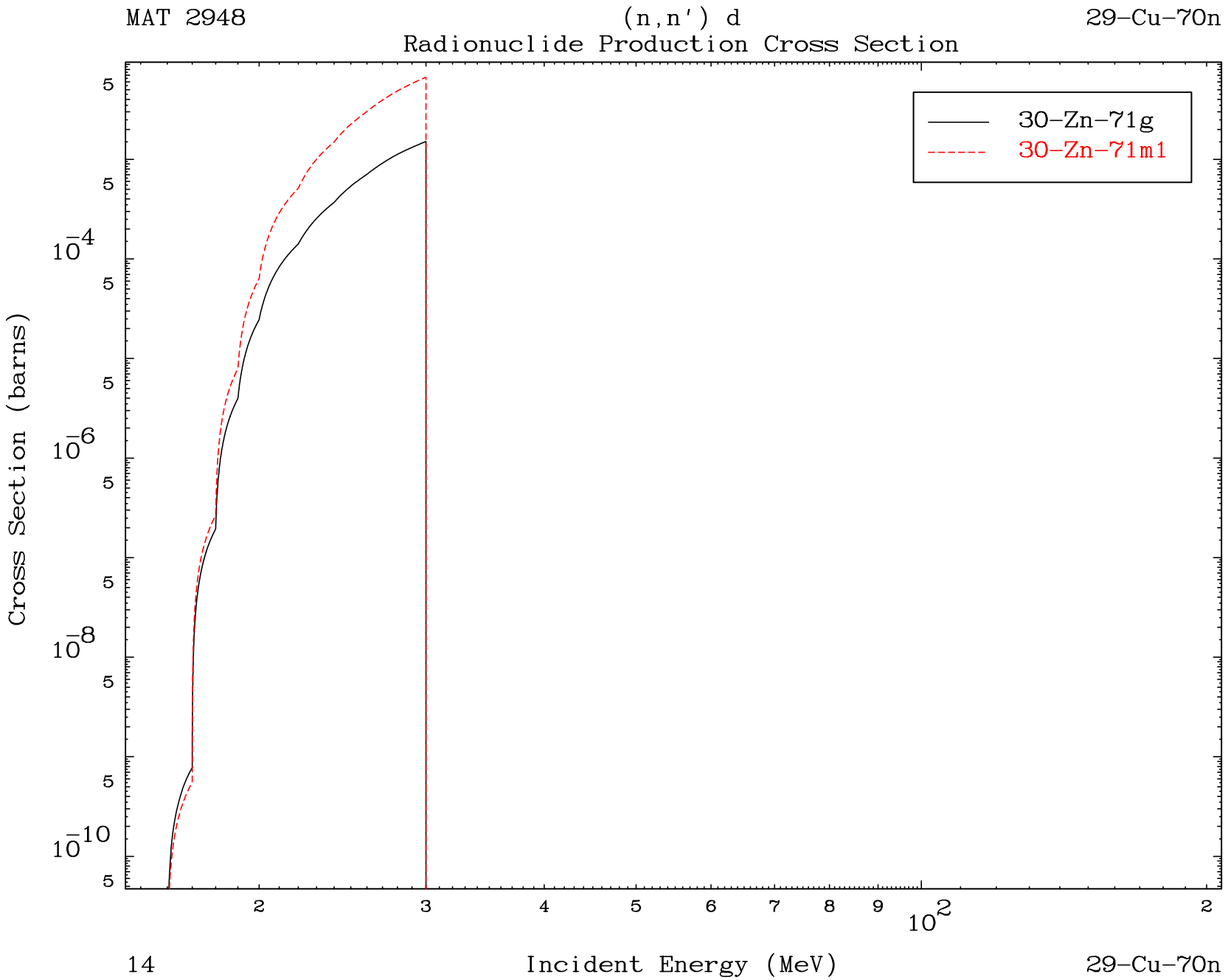

MAT 2948
(α,t) Levels
29-Cu-70n
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10⁻4
10⁻6
10⁻8
10⁻10
5
9
10¹
2
3
4
5
6
7
8
9
10²
2
Incident Energy (MeV)
9
29-Cu-70n

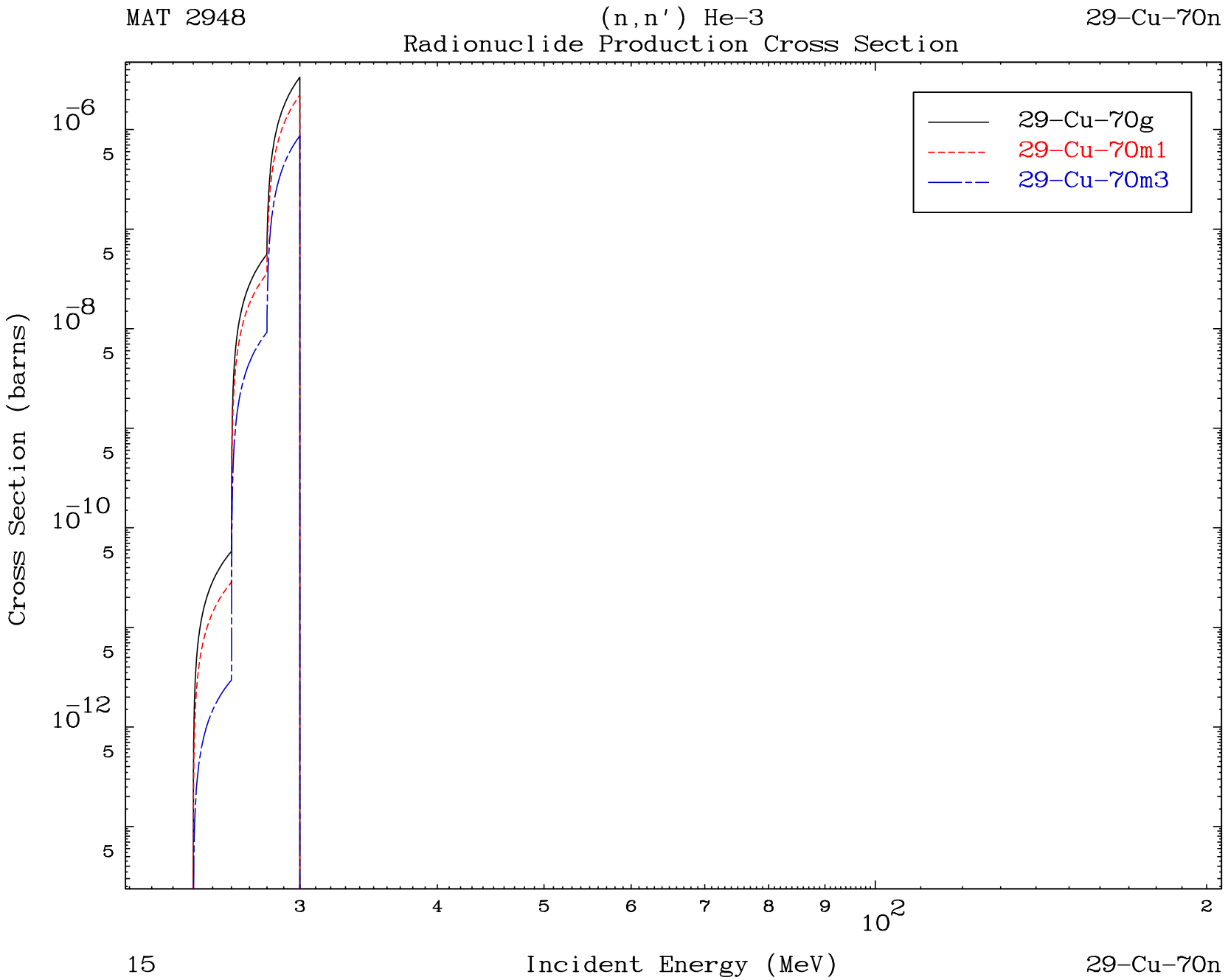

MAT 2948
(α,He3) Levels
29-Cu-70n
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
29-Cu-70n

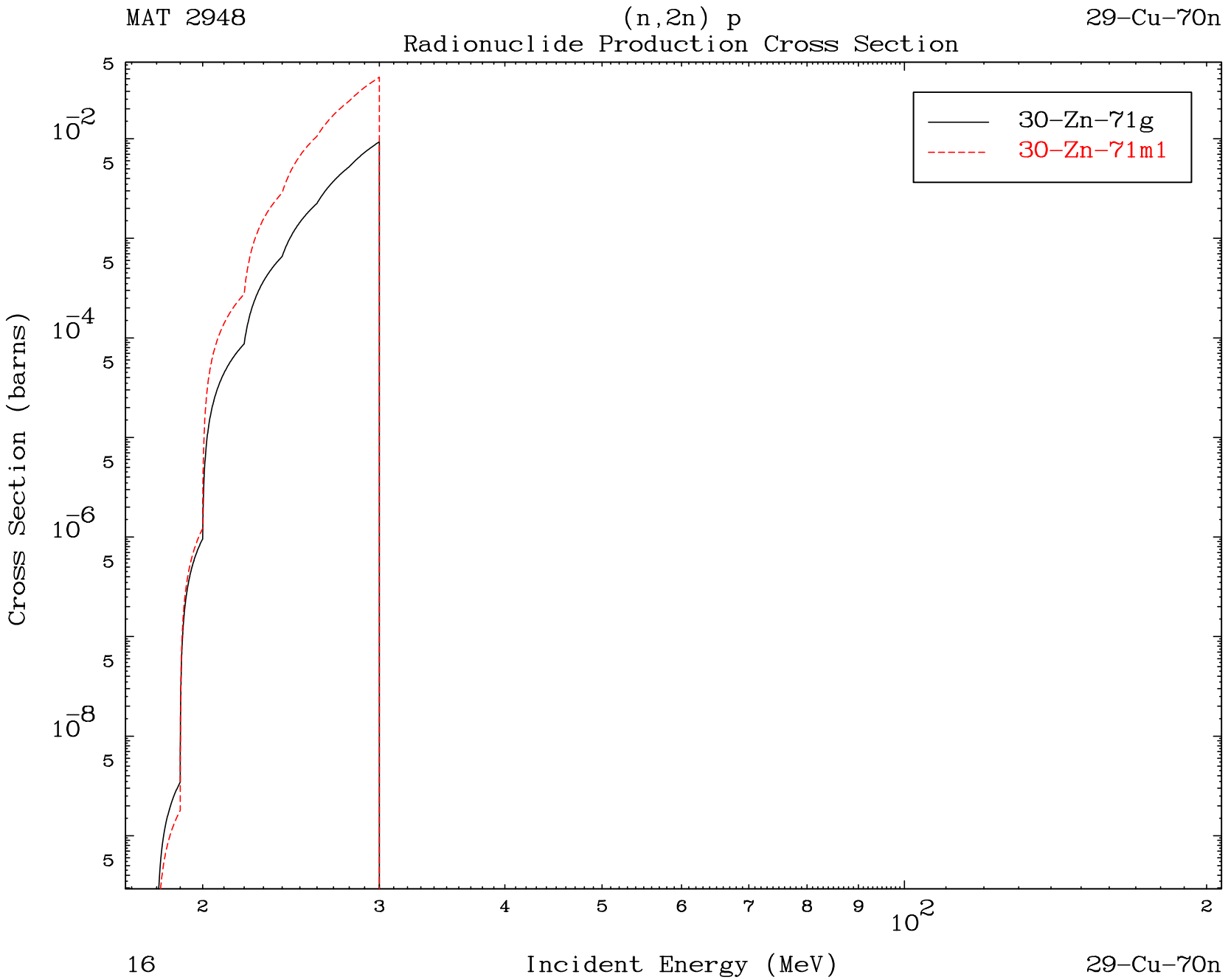

MAT 2948
(α,α) Levels
29-Cu-70n
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
11
29-Cu-70n

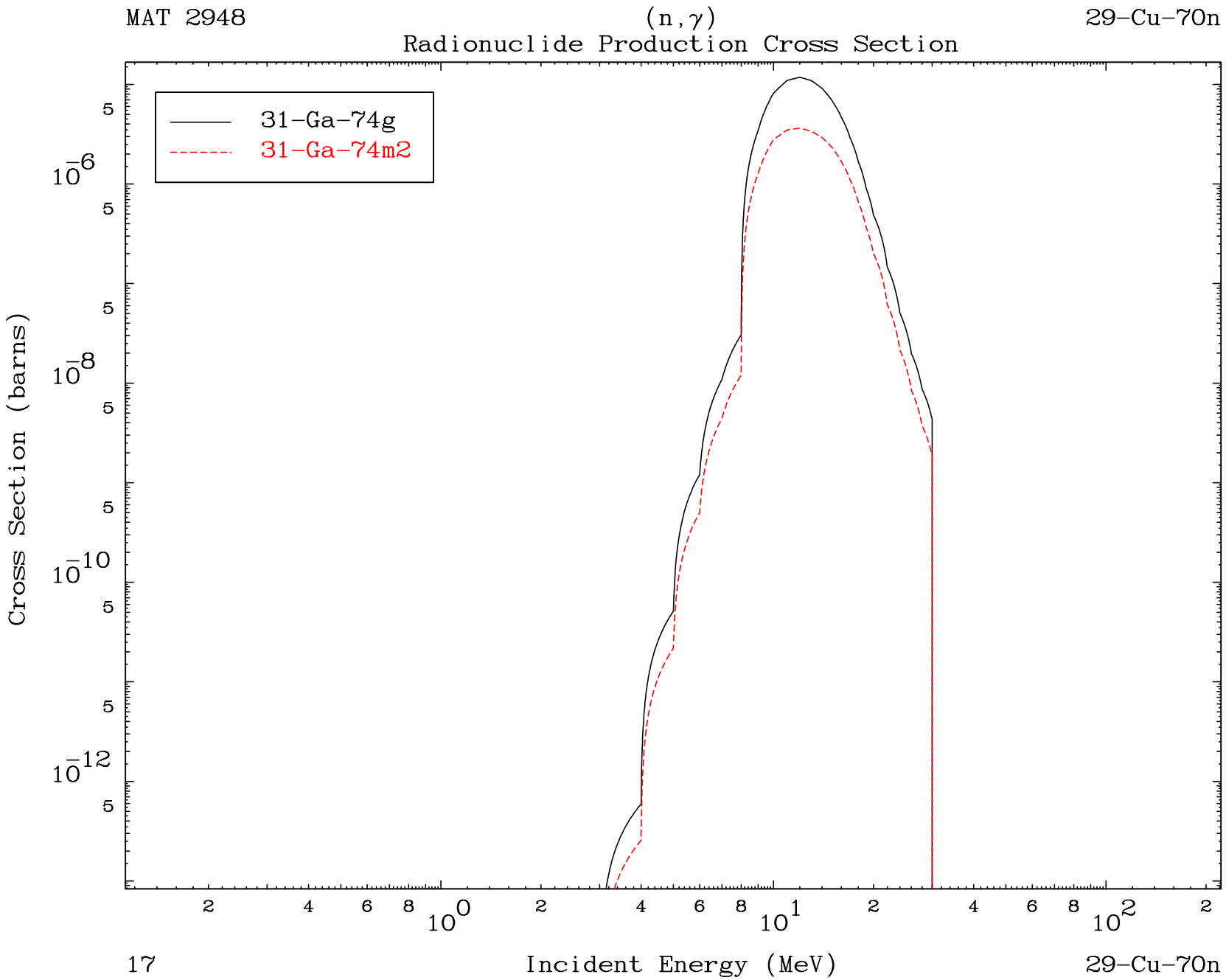

MAT 2948
Inelastic
29-Cu-70n
Radionuclide Production Cross Section
31-Ga-73g
31-Ga-73m1
Cross Section (barns)
Incident Energy (MeV)
12
29-Cu-70n

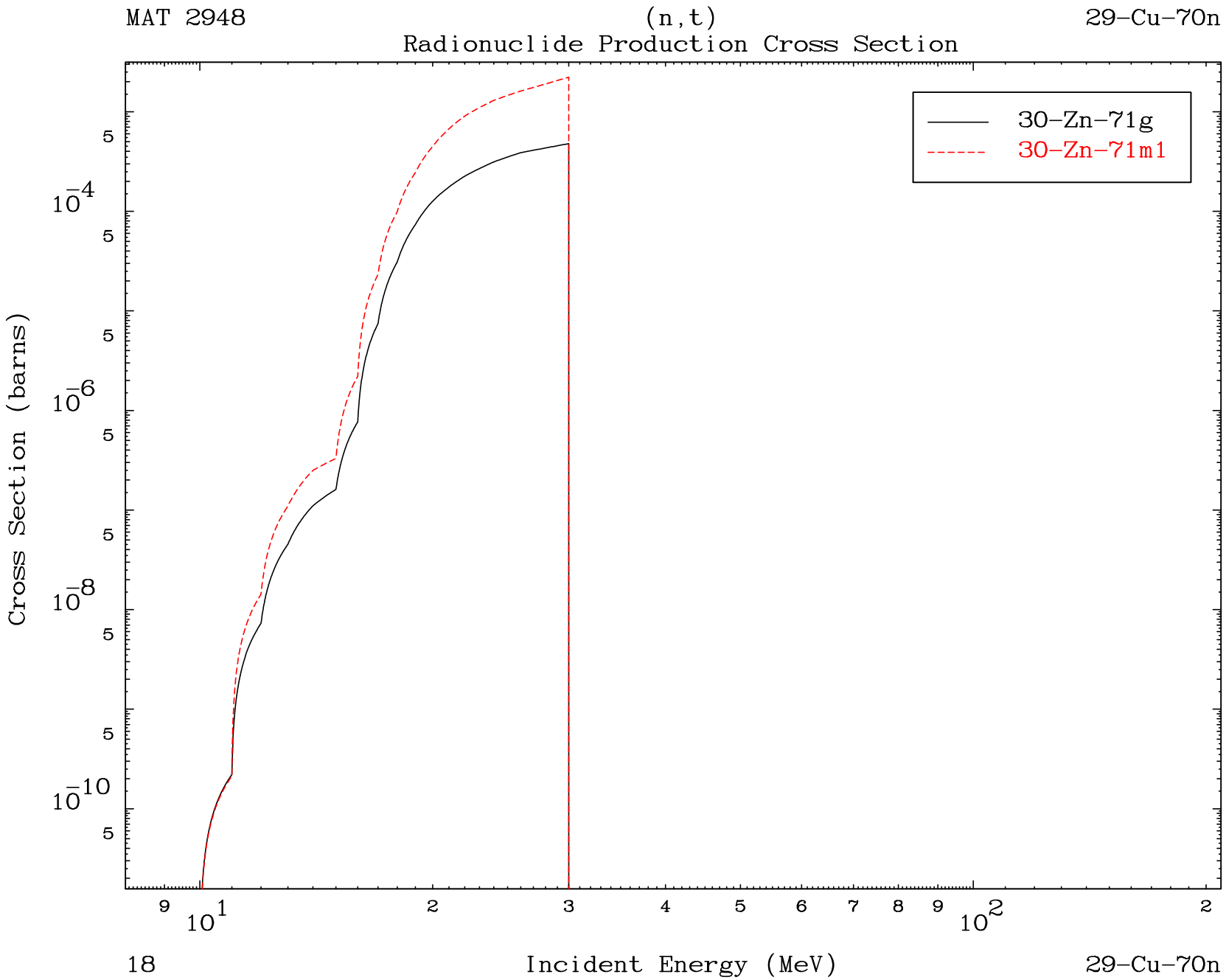

MAT 2948
(n,2n) α
29-Cu-70n
Radionuclide Production Cross Section
29-Cu-68g
29-Cu-68m3
Cross Section (barns)
Incident Energy (MeV)
13
29-Cu-70n

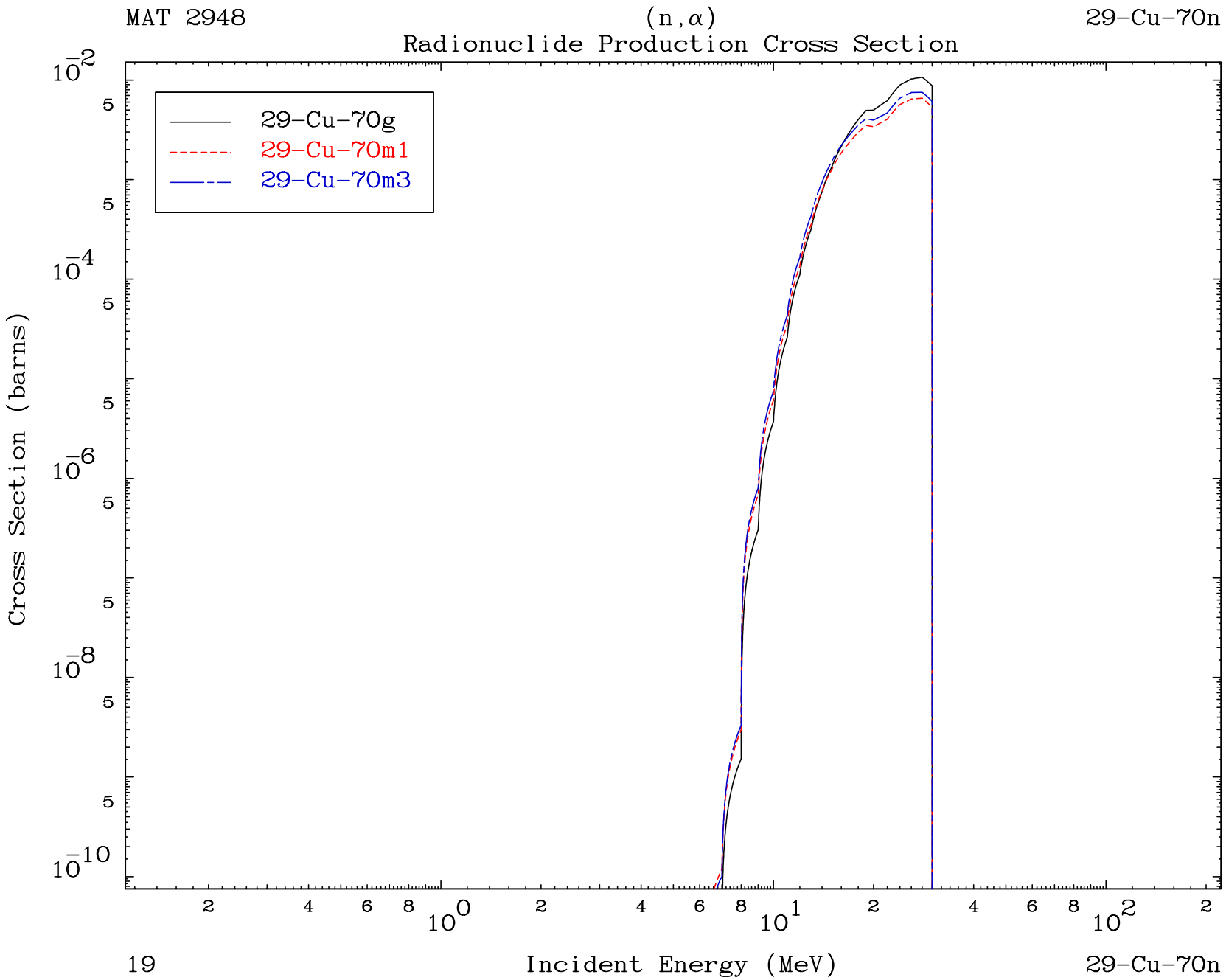

MAT 2948
(n,n') d
29-Cu-70n
Radionuclide Production Cross Section
30-Zn-71g
30-Zn-71m1
Cross Section (barns)
Incident Energy (MeV)
14
29-Cu-70n

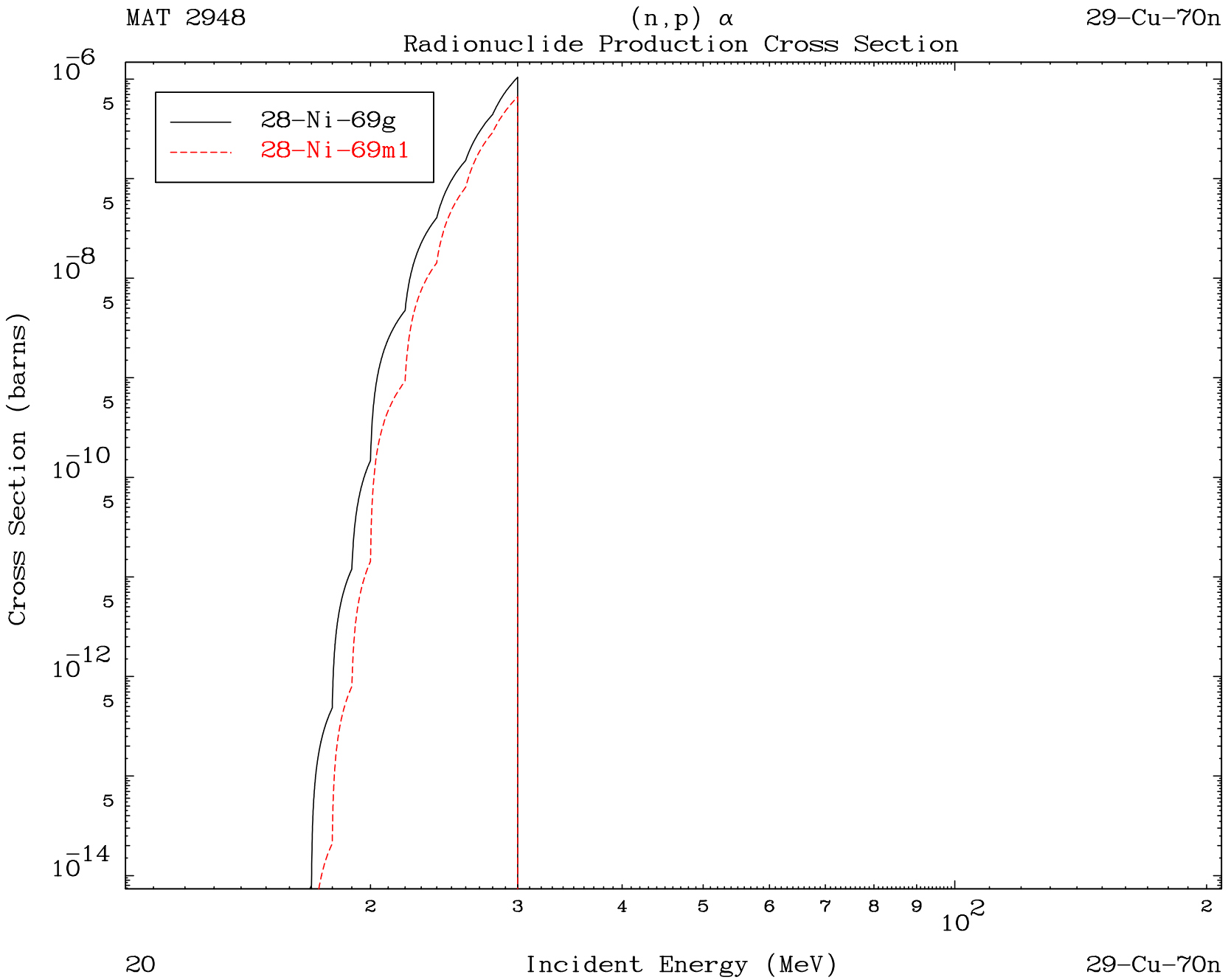

MAT 2948
(n,n') He-3
29-Cu-70n
Radionuclide Production Cross Section
29-Cu-70g
29-Cu-70m1
29-Cu-70m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
29-Cu-70n

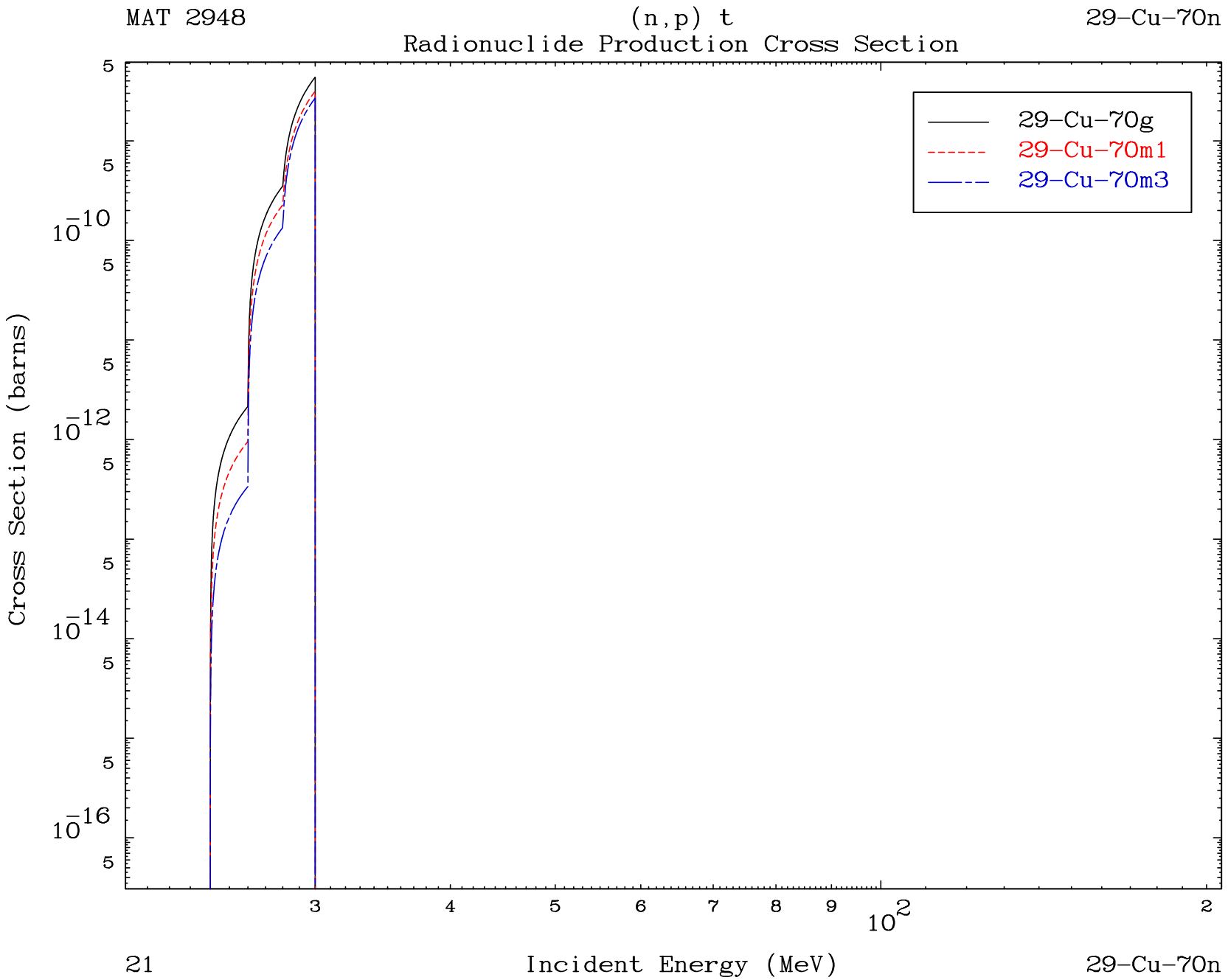

MAT 2948
(n,2n) p
29-Cu-70n
Radionuclide Production Cross Section
30-Zn-71g
30-Zn-71m1
Cross Section (barns)
Incident Energy (MeV)
16
29-Cu-70n


MAT 2948
(n,γ)
29-Cu-70n
Radionuclide Production Cross Section
31-Ga-74g
31-Ga-74m2
Cross Section (barns)
10-6
10-8
10-10
10-12
100
101
102
Incident Energy (MeV)
17
29-Cu-70n


MAT 2948
(n,t)
29-Cu-70n
Radionuclide Production Cross Section
30-Zn-71g
30-Zn-71m1
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
18
Incident Energy (MeV)
29-Cu-70n


MAT 2948
(n,α)
29-Cu-70n
Radionuclide Production Cross Section
29-Cu-70g
29-Cu-70m1
29-Cu-70m3
Cross Section (barns)
Incident Energy (MeV)
19
29-Cu-70n


MAT 2948
(n,p) α
29-Cu-70n
Radionuclide Production Cross Section
28-Ni-69g
28-Ni-69m1
Cross Section (barns)
Incident Energy (MeV)
20
29-Cu-70n


MAT 2948
(n,p) t
29-Cu-70n
Radionuclide Production Cross Section
29-Cu-70g
29-Cu-70m1
29-Cu-70m3
Cross Section (barns)
Incident Energy (MeV)
21
29-Cu-70n