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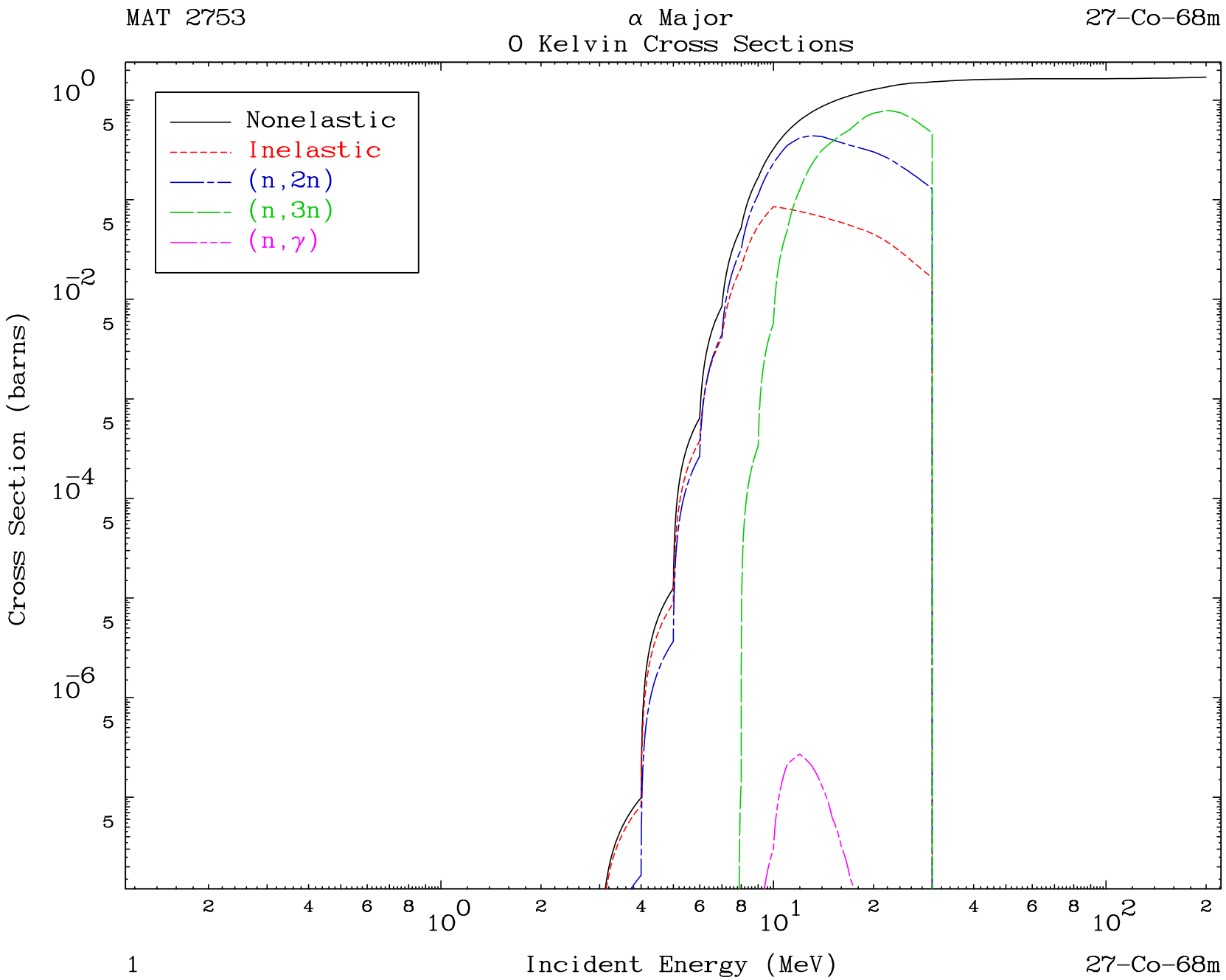
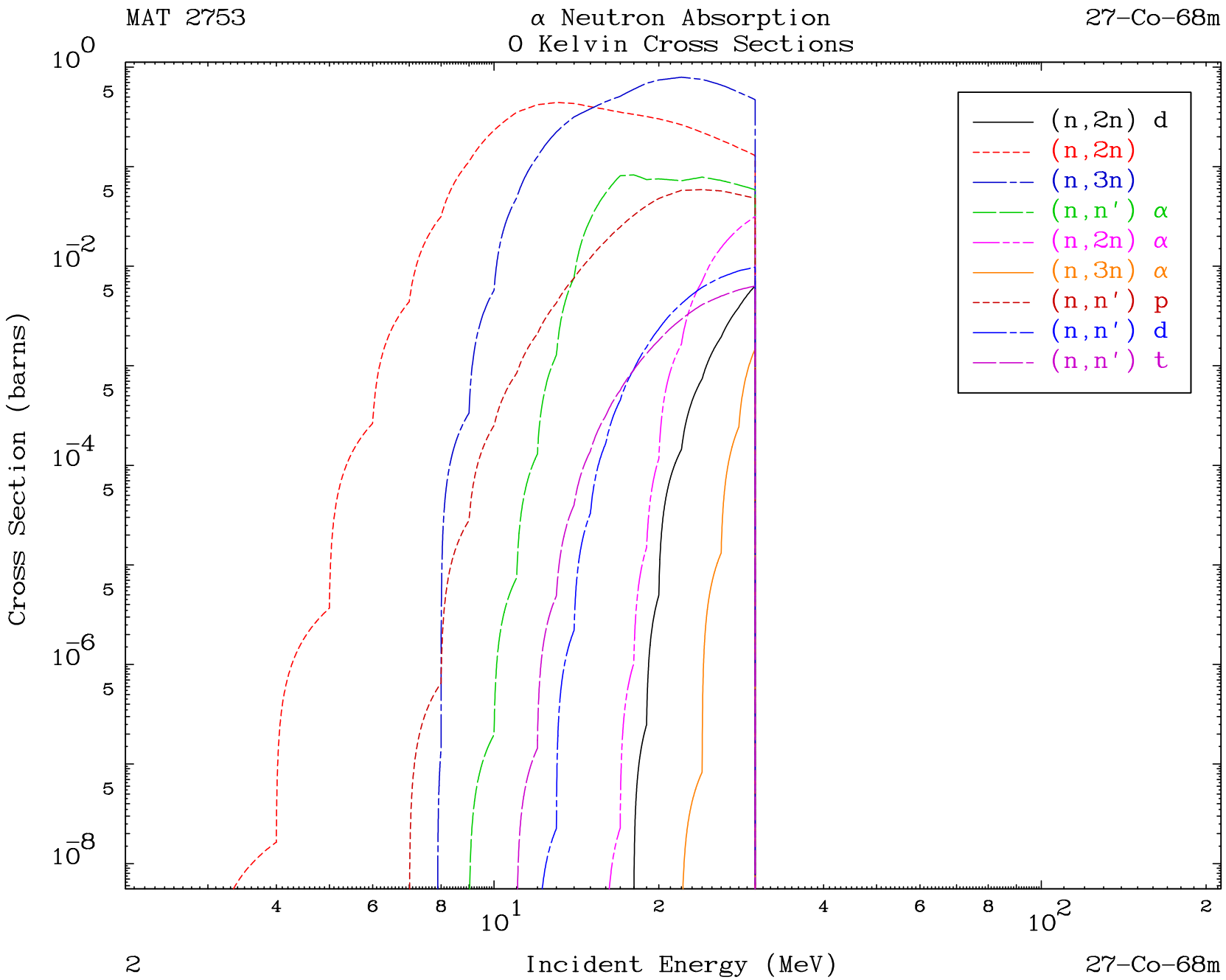
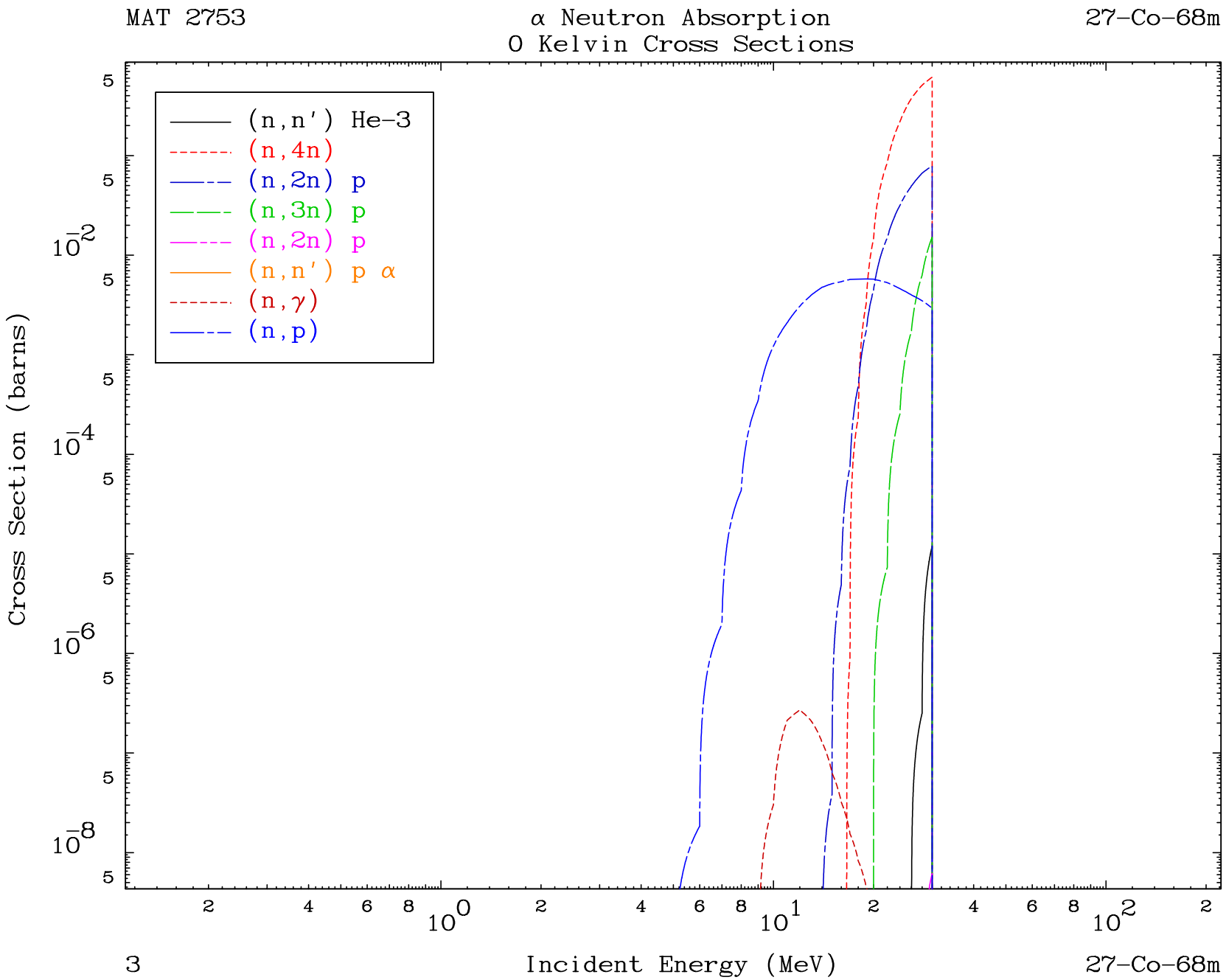
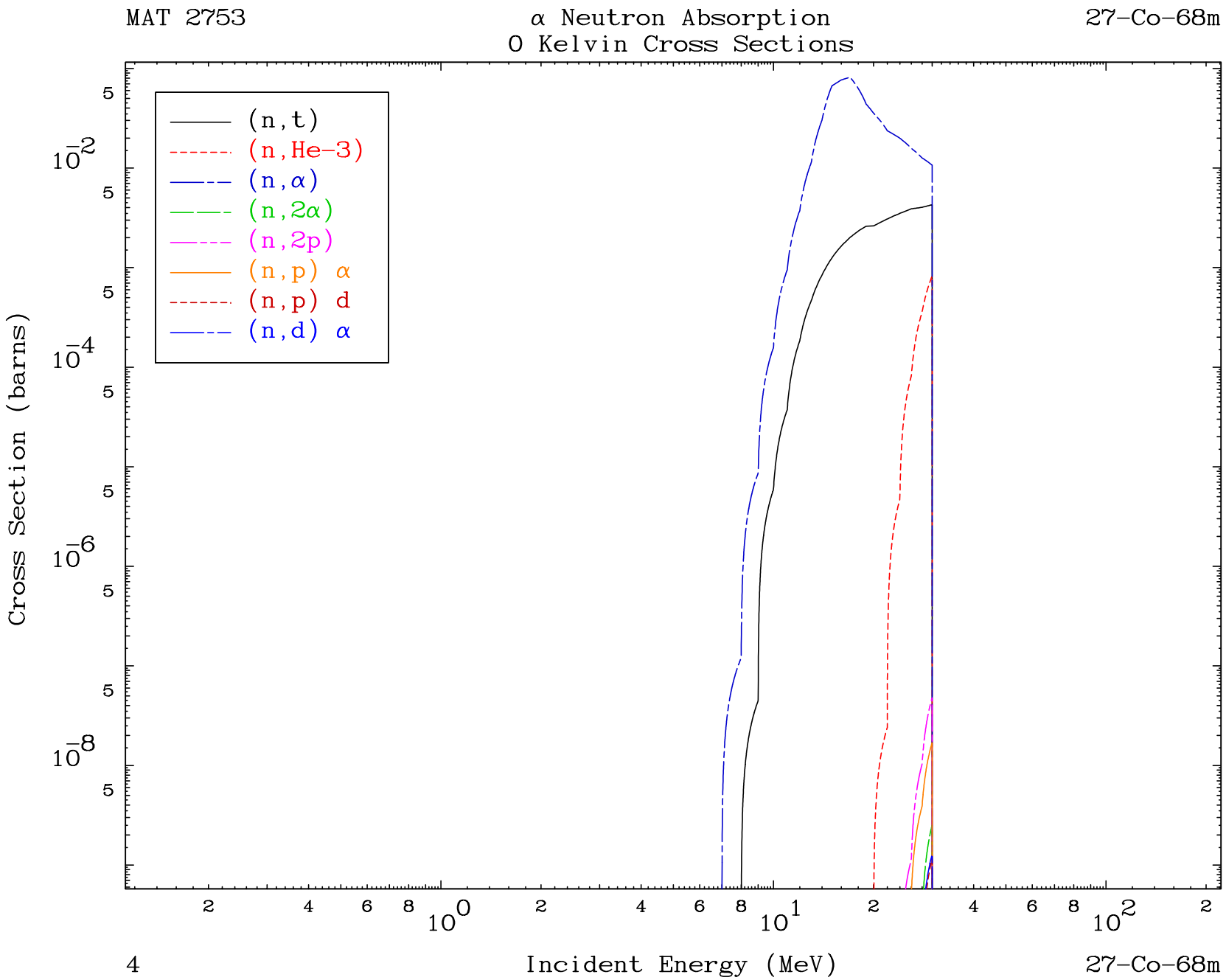
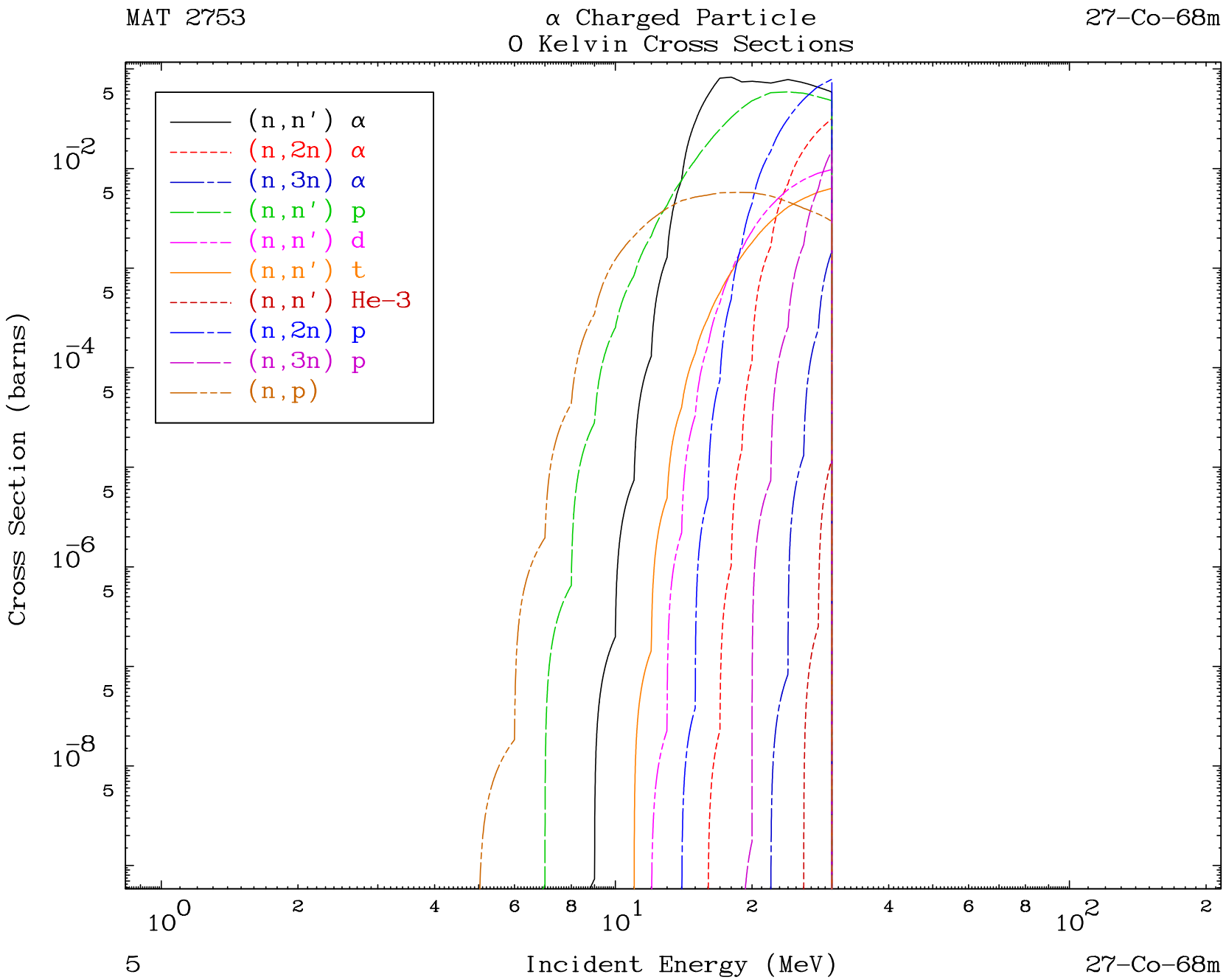
Press Mouse Button to Start

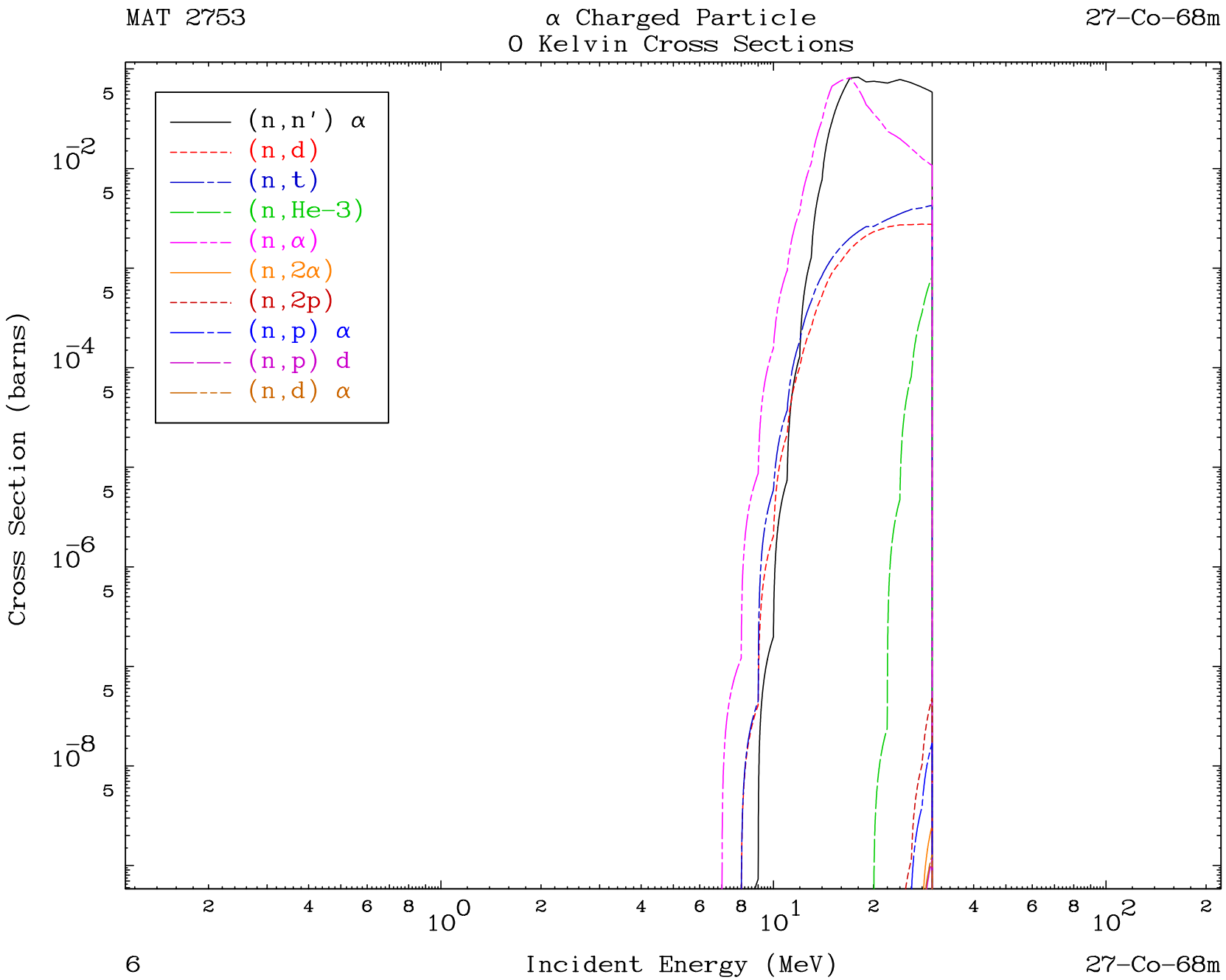

MAT 2753
α Major
27-Co-68m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
27-Co-68m

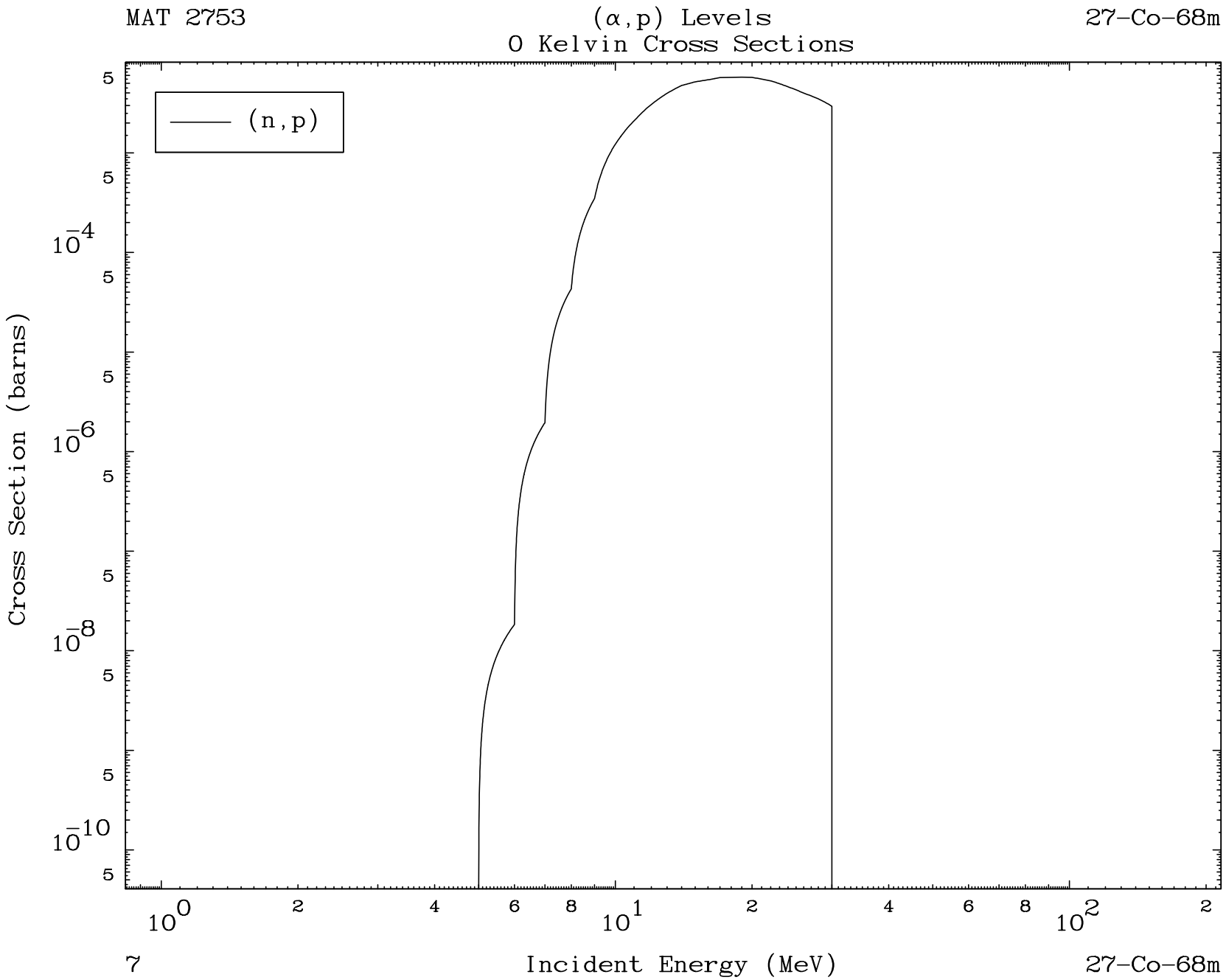

MAT 2753
α Neutron Absorption
0 Kelvin Cross Sections
27-Co-68m
Cross Section (barns)
Incident Energy (MeV)
27-Co-68m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t

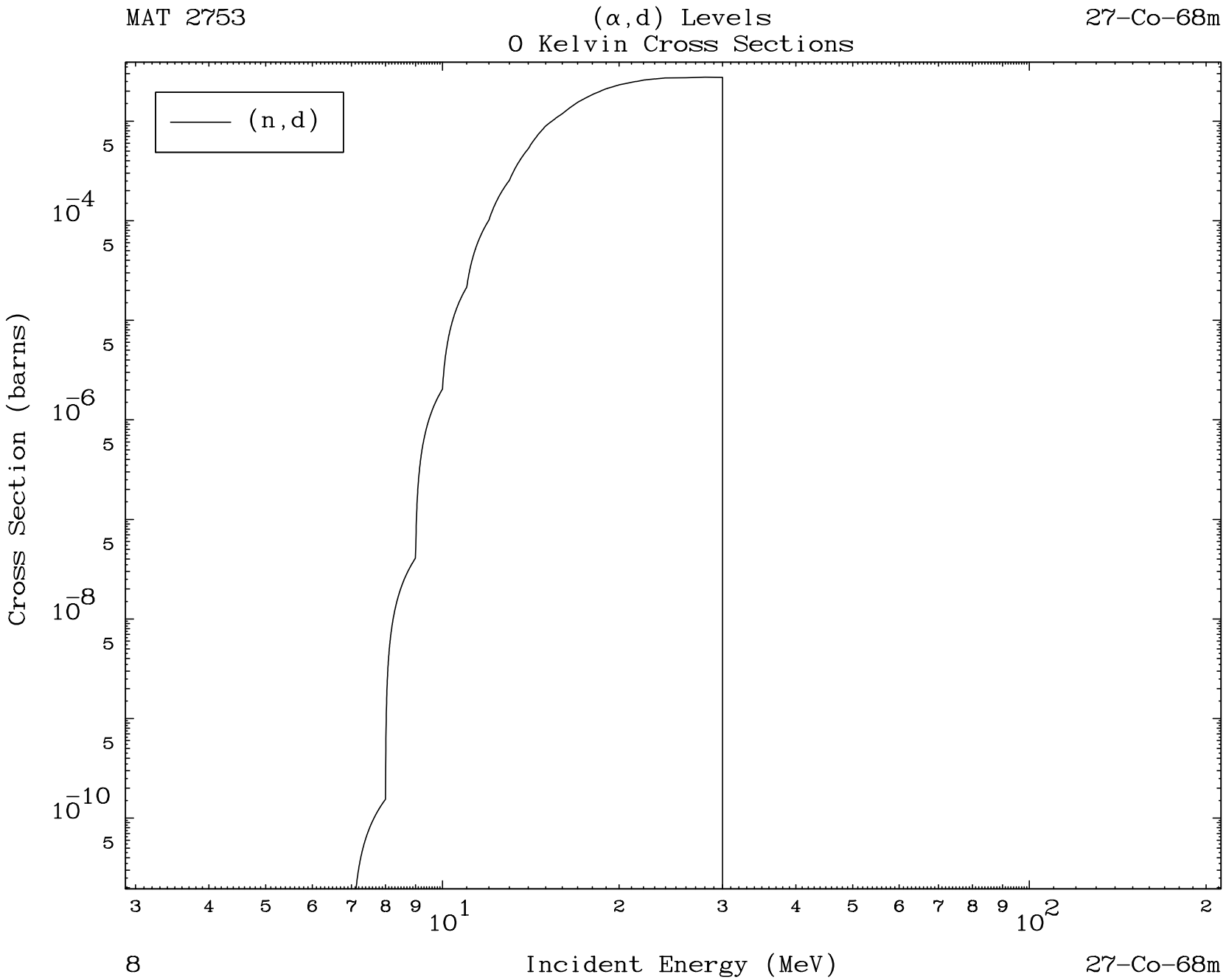

MAT 2753
α Neutron Absorption
0 Kelvin Cross Sections
27-Co-68m
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
27-Co-68m

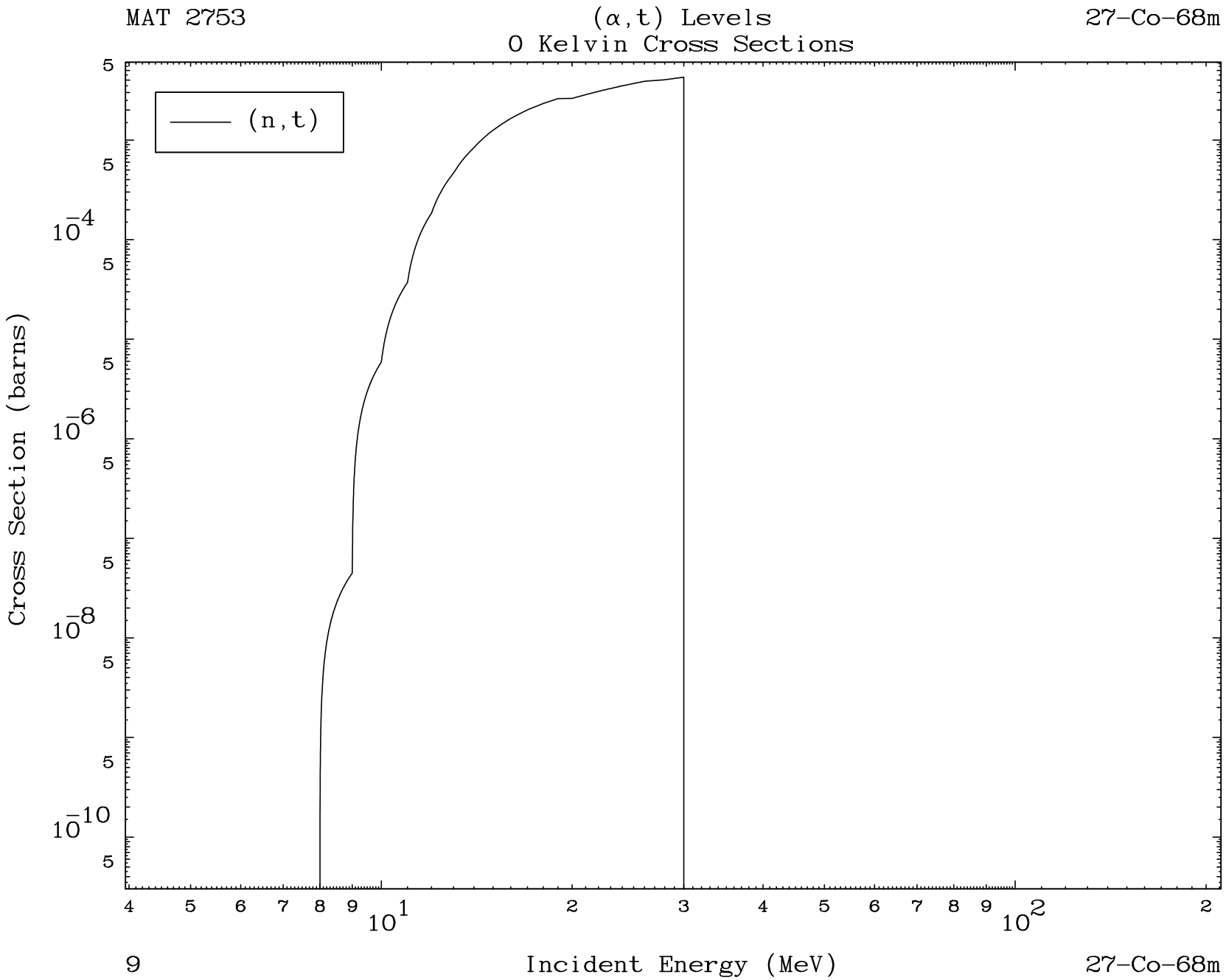

MAT 2753
α Neutron Absorption
0 Kelvin Cross Sections
27-Co-68m
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
10-2
10-4
10-6
10-8
10^0
10^1
10^2
Incident Energy (MeV)
4
27-Co-68m

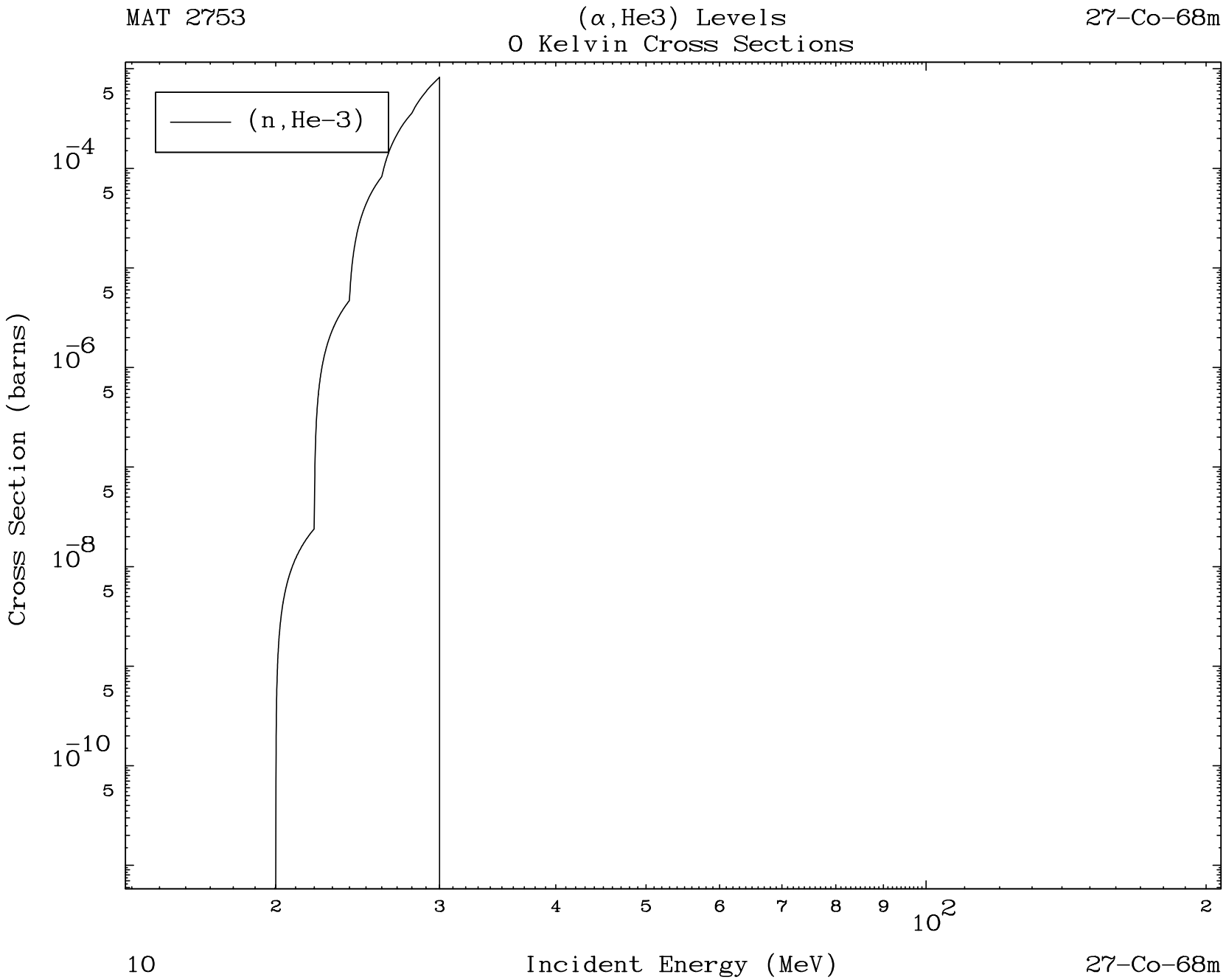

MAT 2753
α Charged Particle
0 Kelvin Cross Sections
27-Co-68m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
27-Co-68m

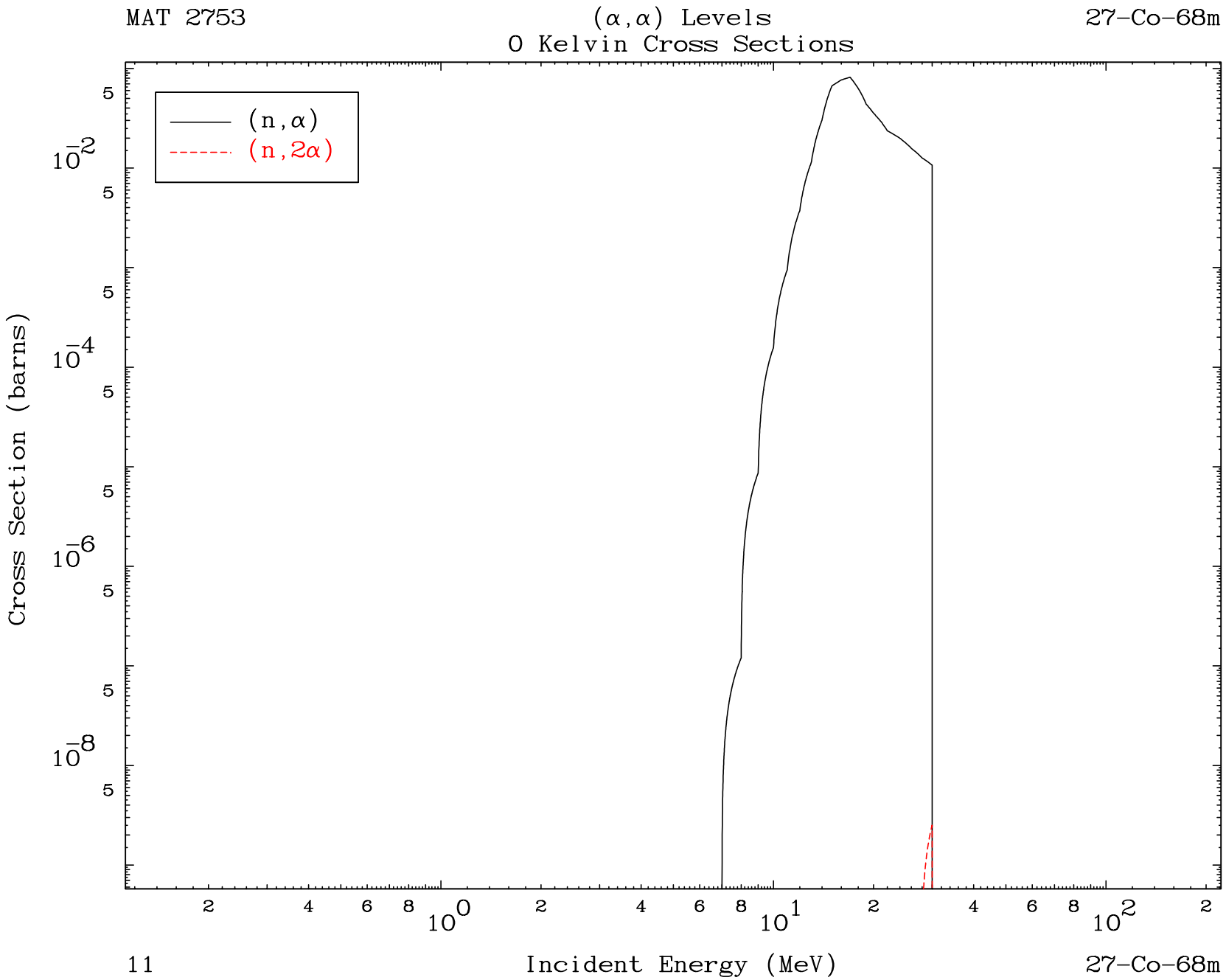

MAT 2753
α Charged Particle
0 Kelvin Cross Sections
27-Co-68m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
27-Co-68m

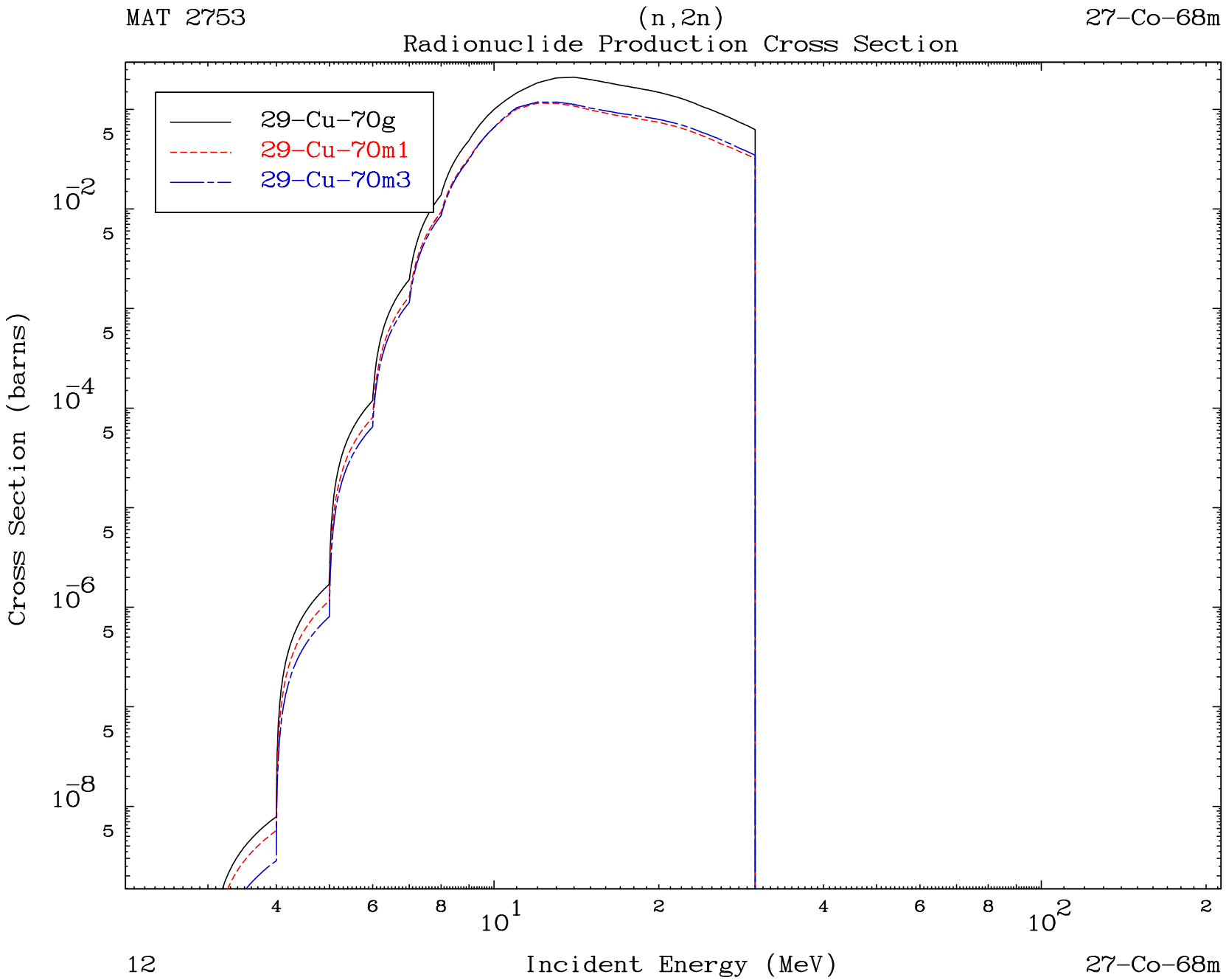

MAT 2753
(α,p) Levels
27-Co-68m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
27-Co-68m

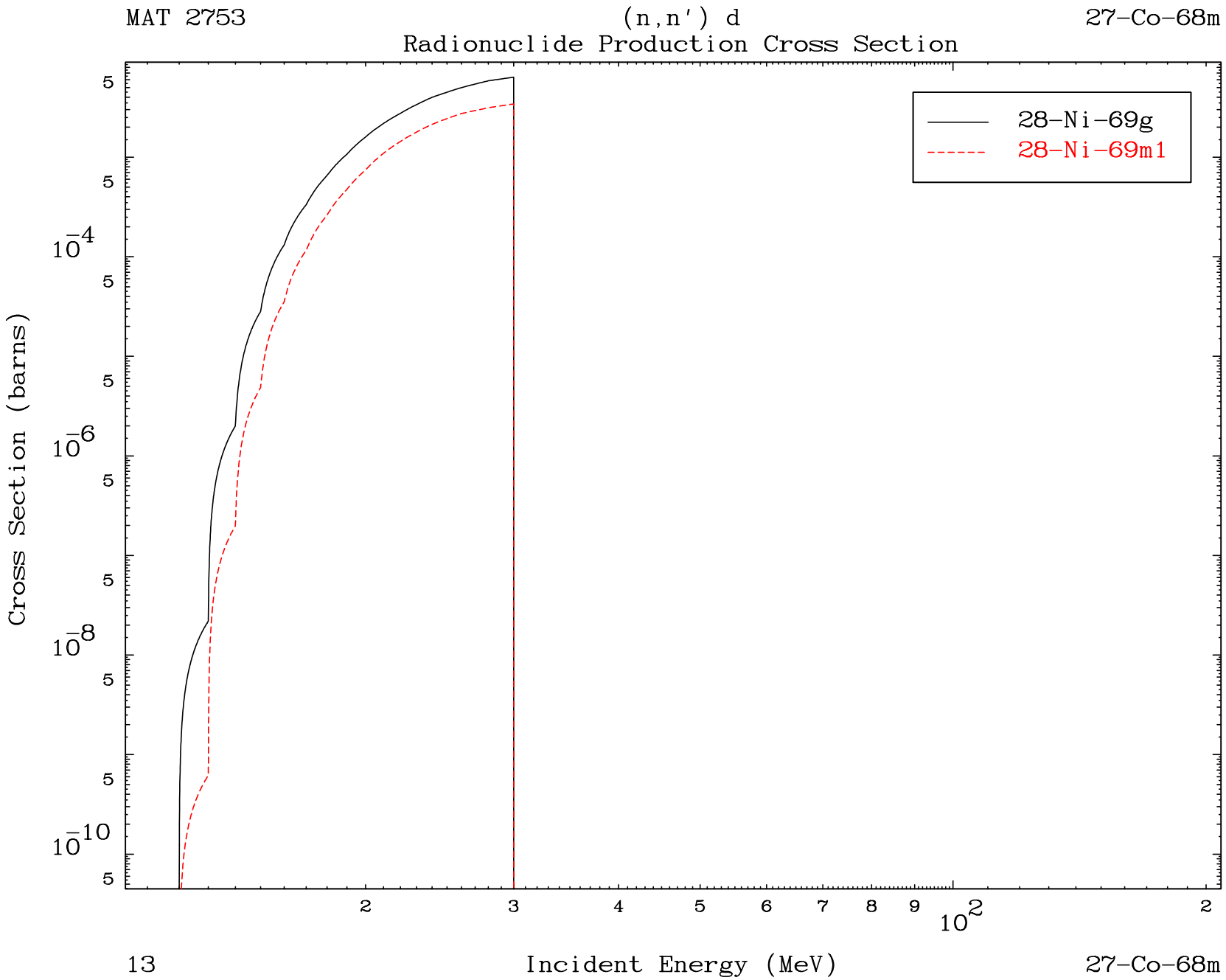

MAT 2753
(α,d) Levels
27-Co-68m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
8
27-Co-68m

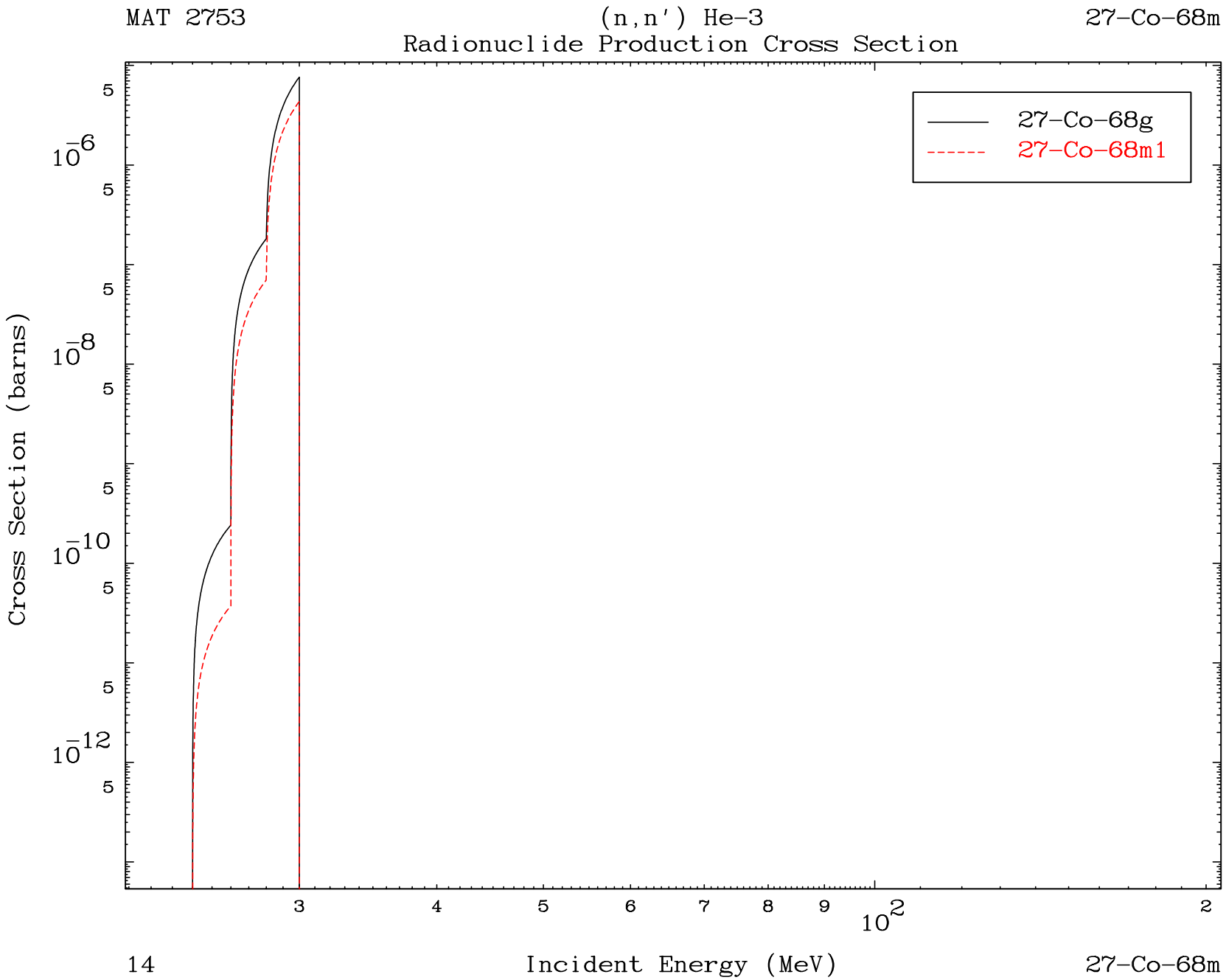

MAT 2753
(α,t) Levels
27-Co-68m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
27-Co-68m
9

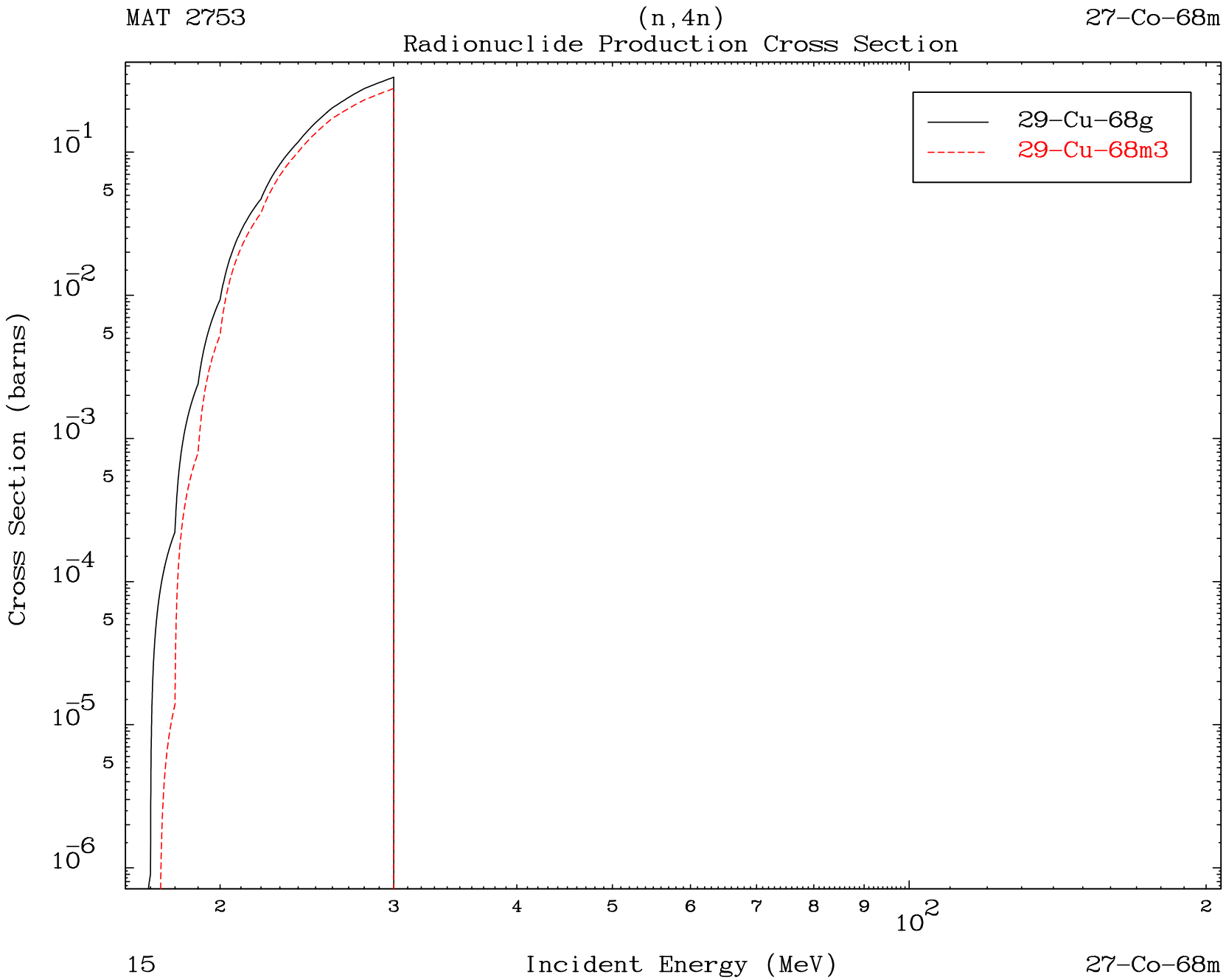

MAT 2753
(α,He3) Levels
27-Co-68m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
27-Co-68m

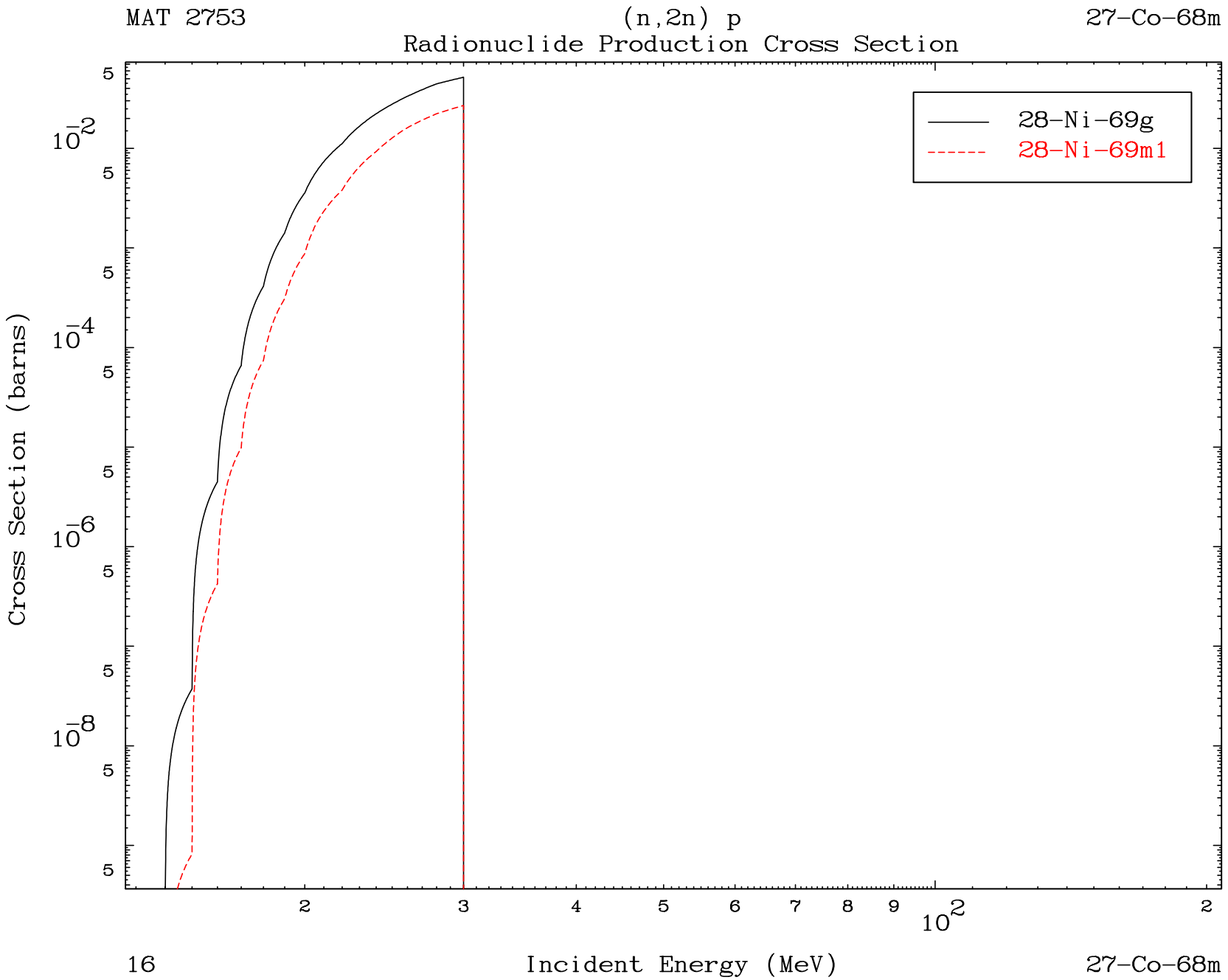

MAT 2753
(α,α) Levels
27-Co-68m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
11
27-Co-68m

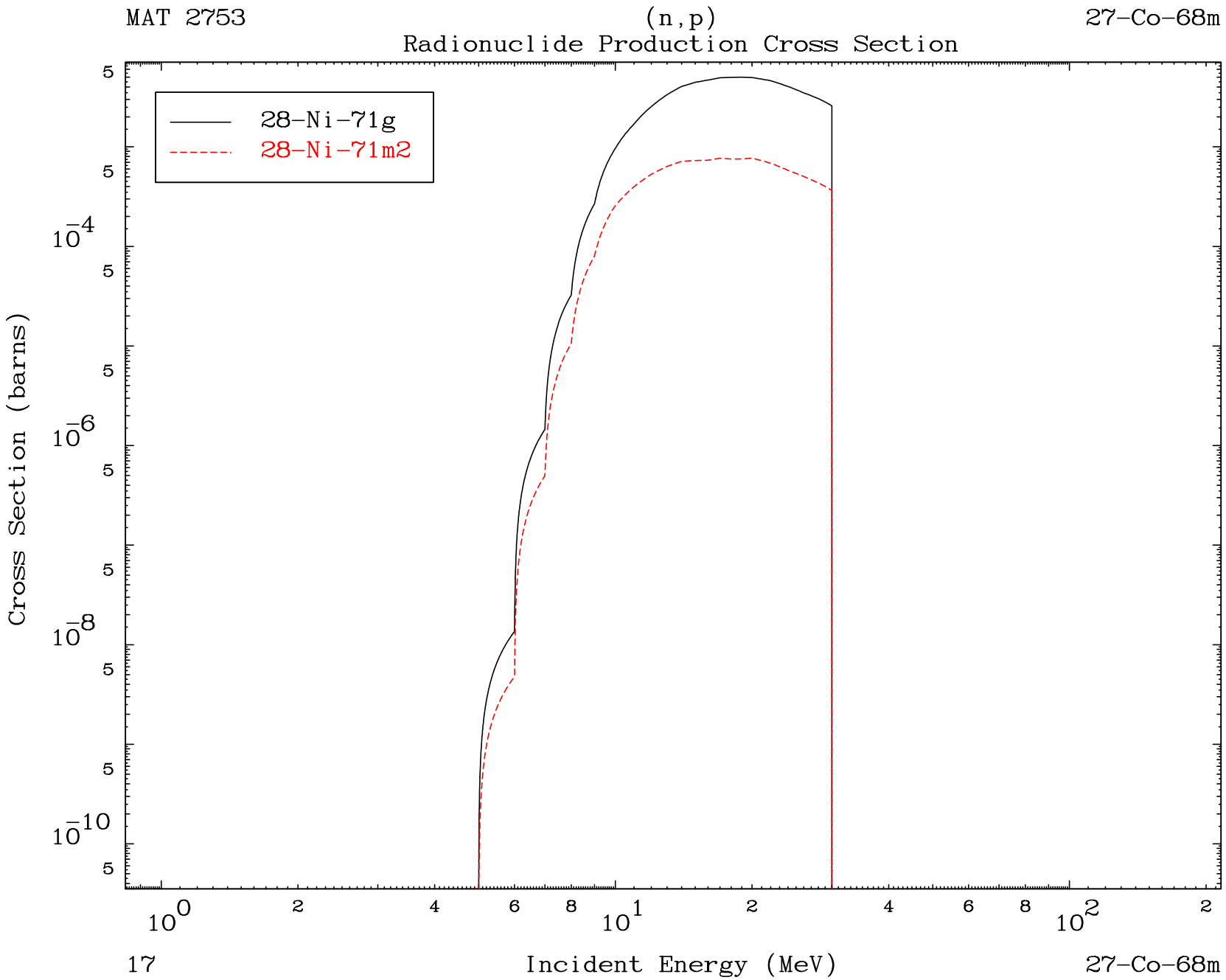

MAT 2753
(n,2n)
27-Co-68m
Radionuclide Production Cross Section
29-Cu-70g
29-Cu-70m1
29-Cu-70m3
Cross Section (barns)
Incident Energy (MeV)
12
27-Co-68m

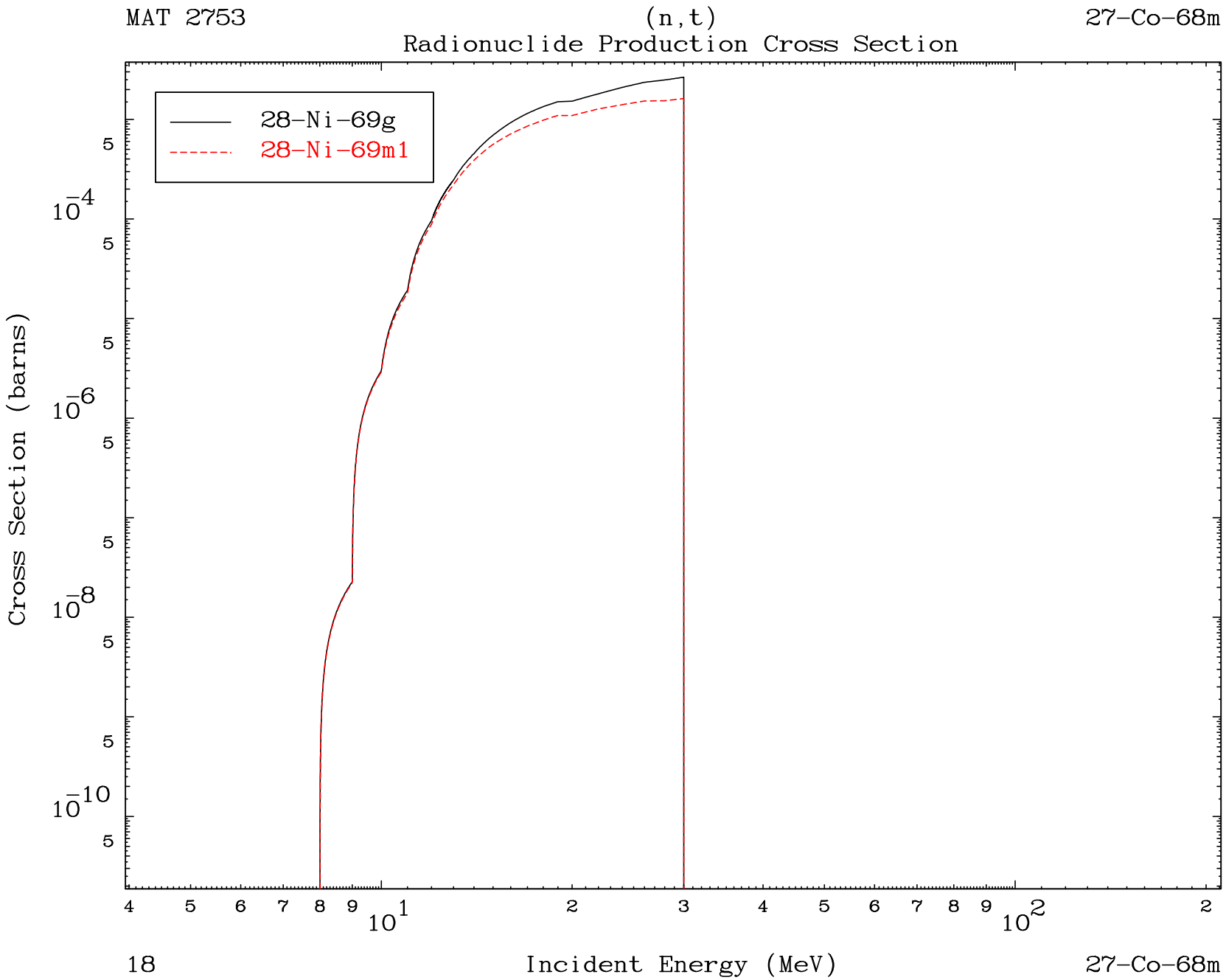

MAT 2753
(n,n') d
27-Co-68m
Radionuclide Production Cross Section
28-Ni-69g
28-Ni-69m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
13
27-Co-68m

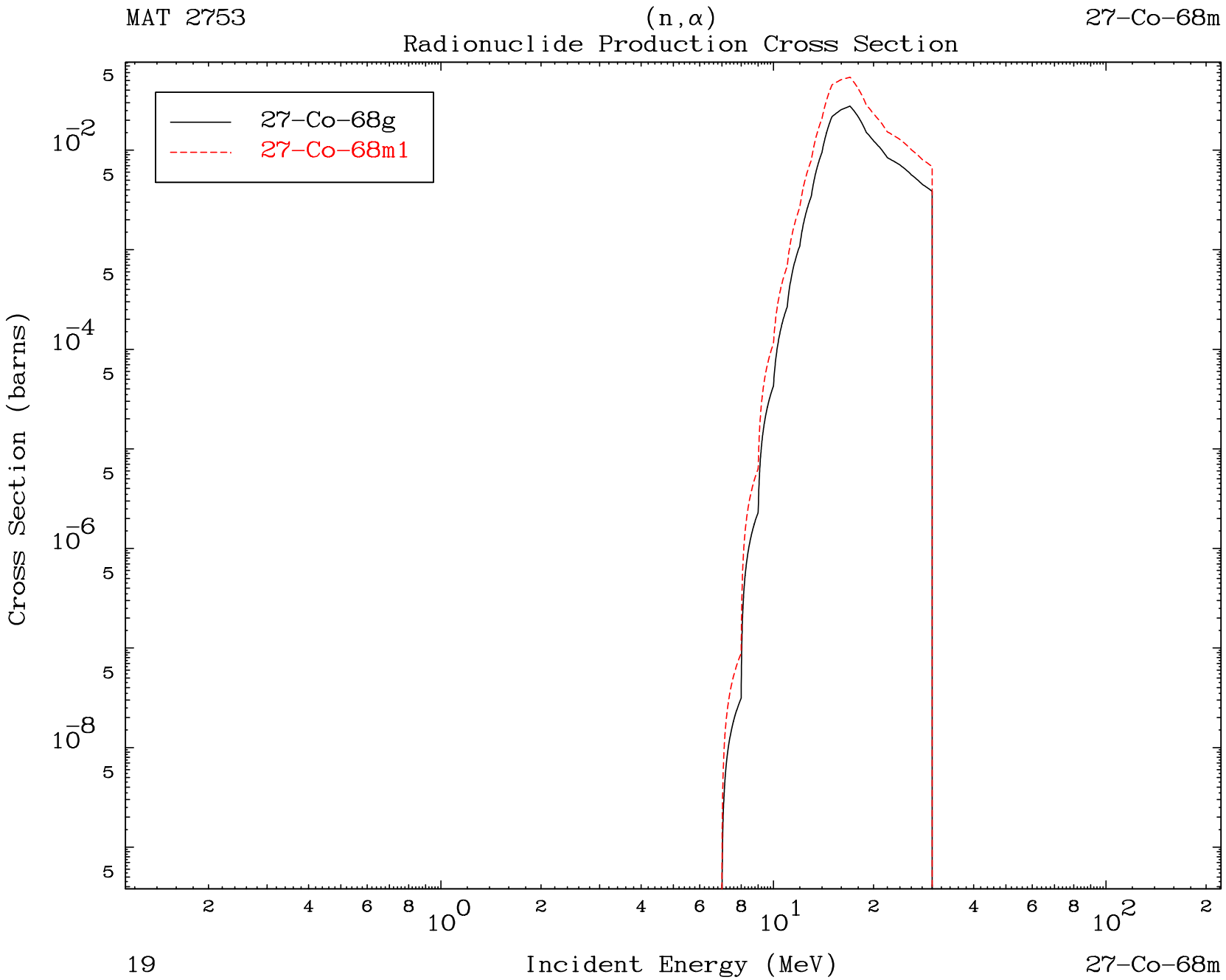

MAT 2753
(n,n') He-3
27-Co-68m
Radionuclide Production Cross Section
27-Co-68g
27-Co-68m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
27-Co-68m

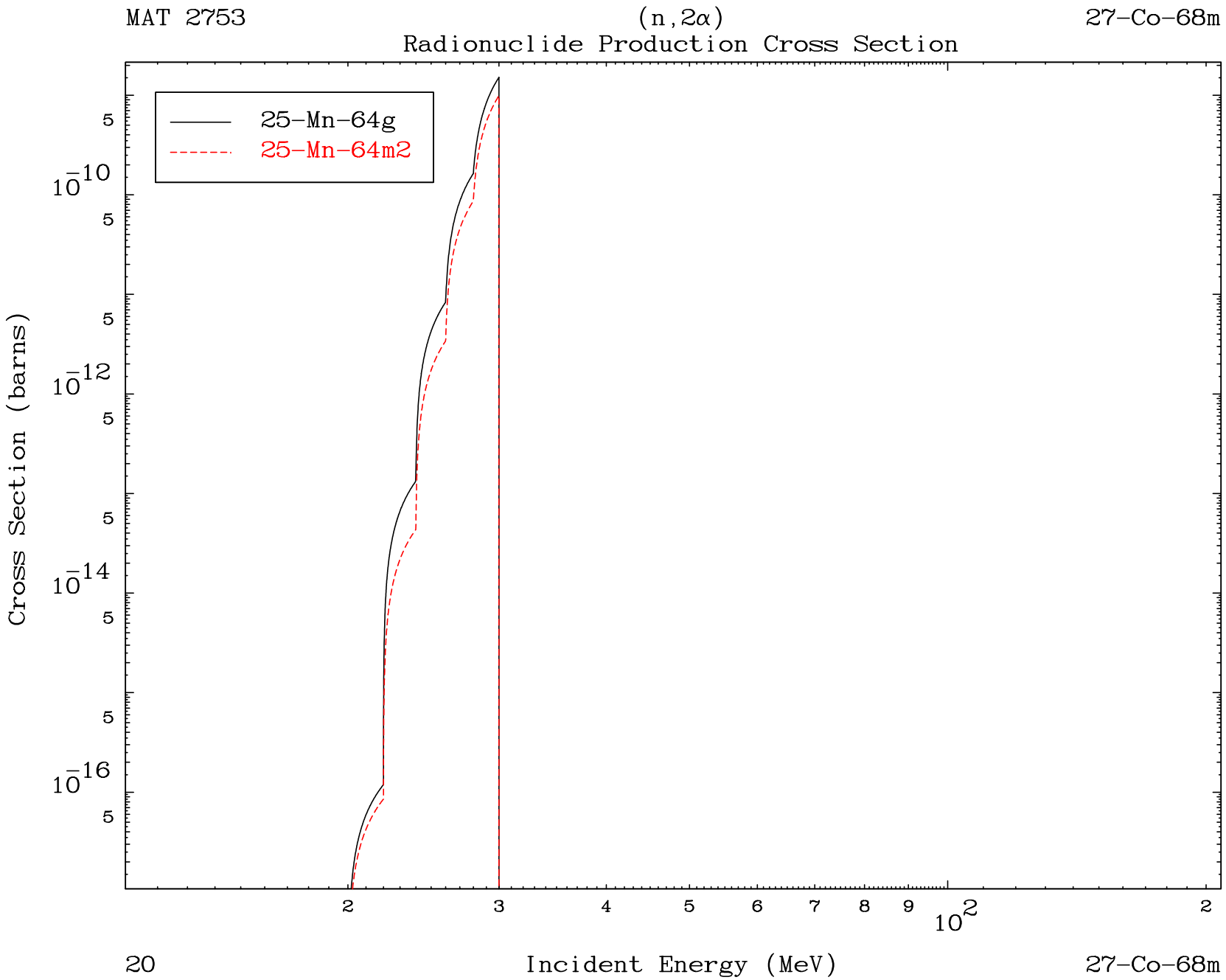

MAT 2753
(n,4n)
27-Co-68m
Radionuclide Production Cross Section
29-Cu-68g
29-Cu-68m3
Cross Section (barns)
Incident Energy (MeV)
15
27-Co-68m


MAT 2753
(n,2n) p
27-Co-68m
Radionuclide Production Cross Section
28-Ni-69g
28-Ni-69m1
Cross Section (barns)
Incident Energy (MeV)
16
27-Co-68m


MAT 2753
(n,p)
27-Co-68m
Radionuclide Production Cross Section
28-Ni-71g
28-Ni-71m2
Cross Section (barns)
Incident Energy (MeV)
17
27-Co-68m


MAT 2753
(n,t)
27-Co-68m
Radionuclide Production Cross Section
28-Ni-69g
28-Ni-69m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
18
27-Co-68m


MAT 2753
(n,α)
27-Co-68m
Radionuclide Production Cross Section
27-Co-68g
27-Co-68m1
Cross Section (barns)
Incident Energy (MeV)
19
27-Co-68m


MAT 2753
(n,2α)
27-Co-68m
Radionuclide Production Cross Section
25-Mn-64g
25-Mn-64m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
20
Incident Energy (MeV)
27-Co-68m