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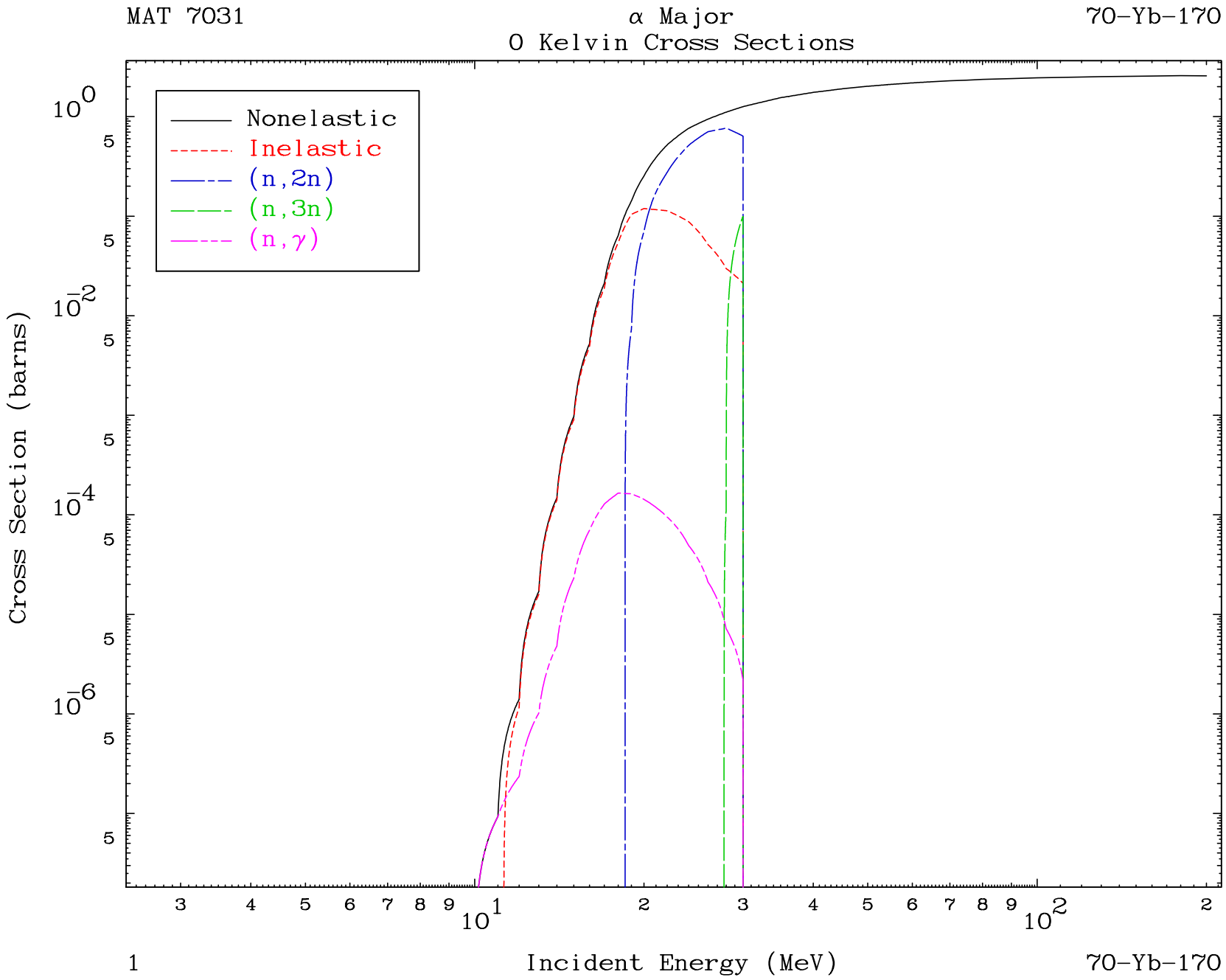
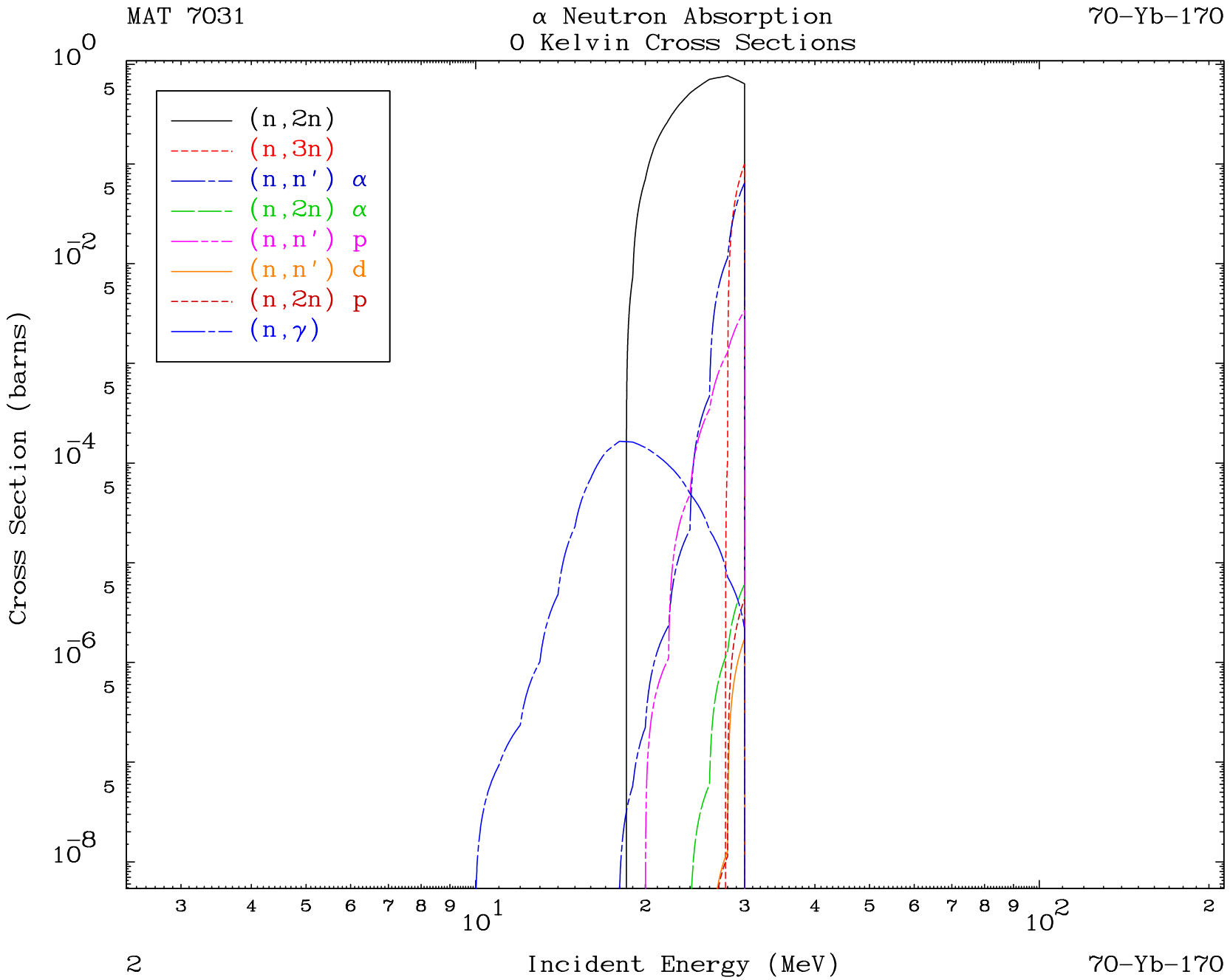
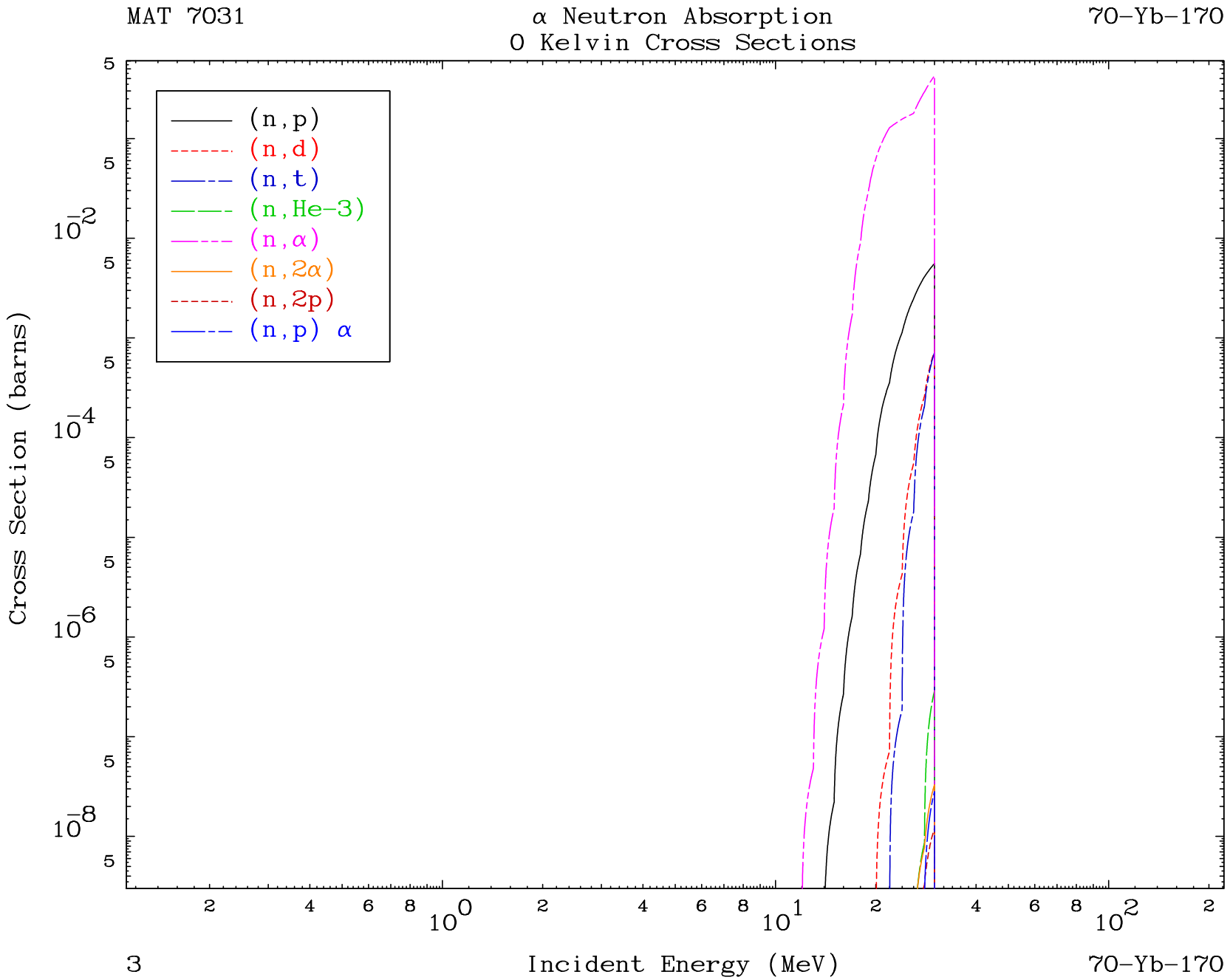
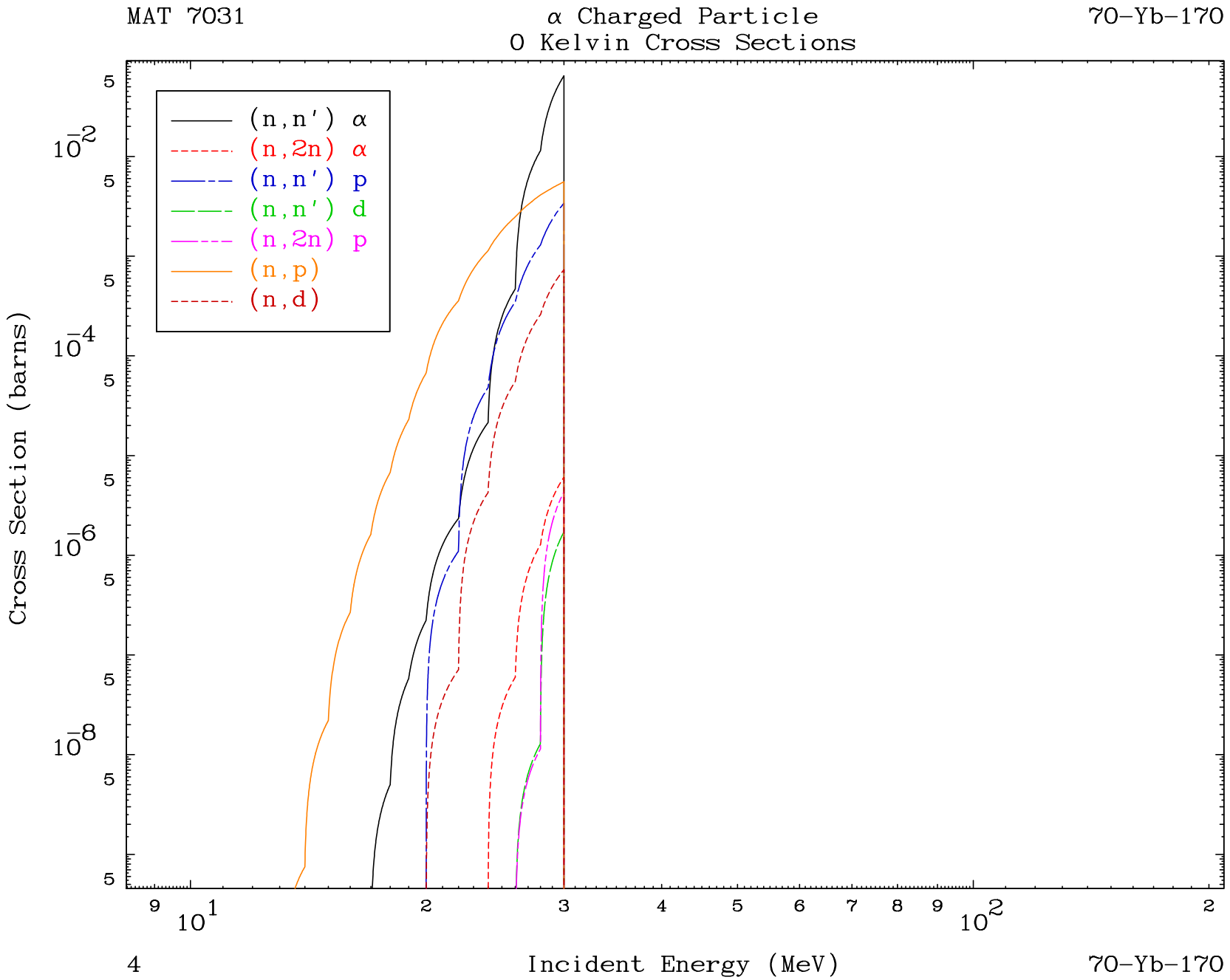
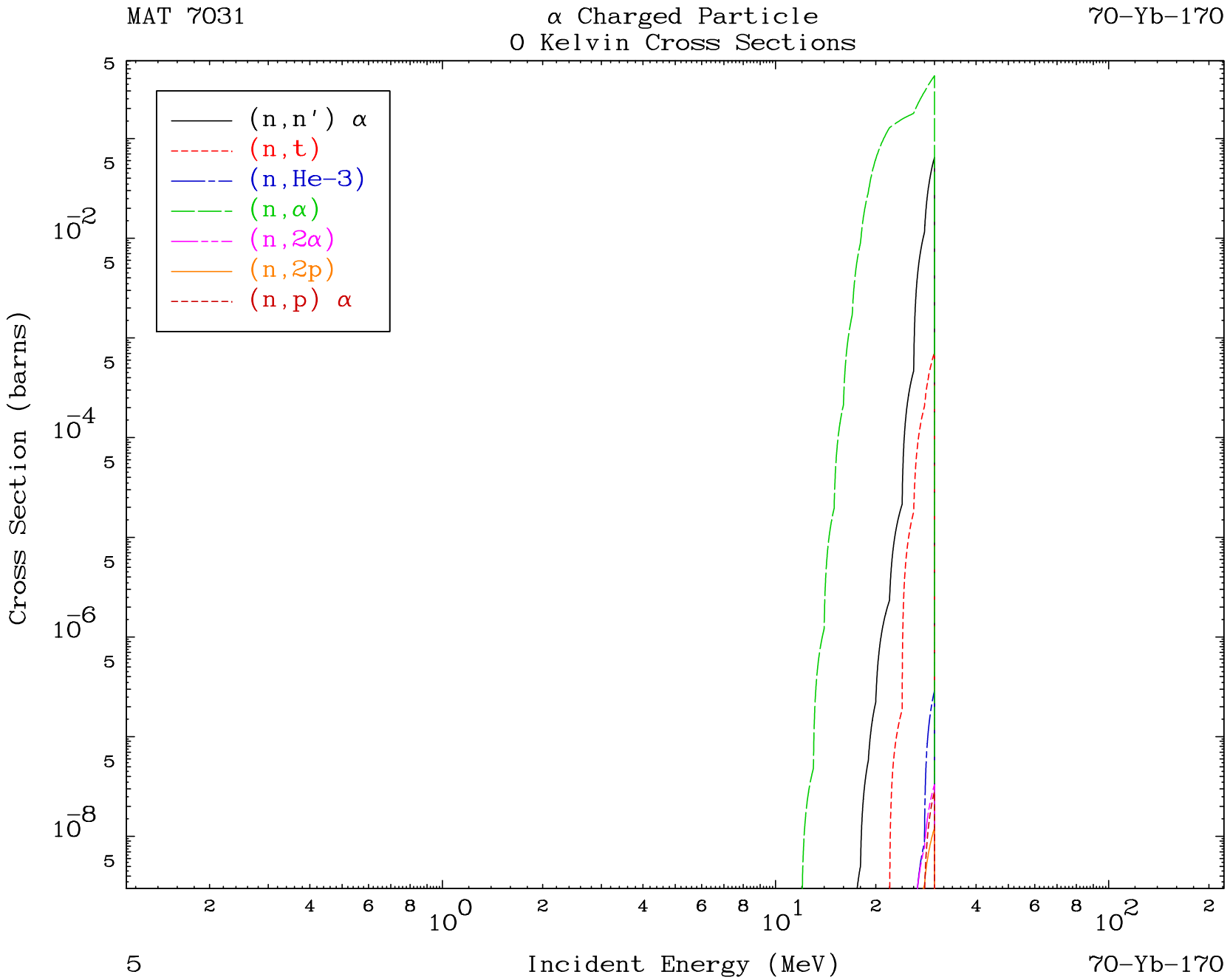
Press Mouse Button to Start

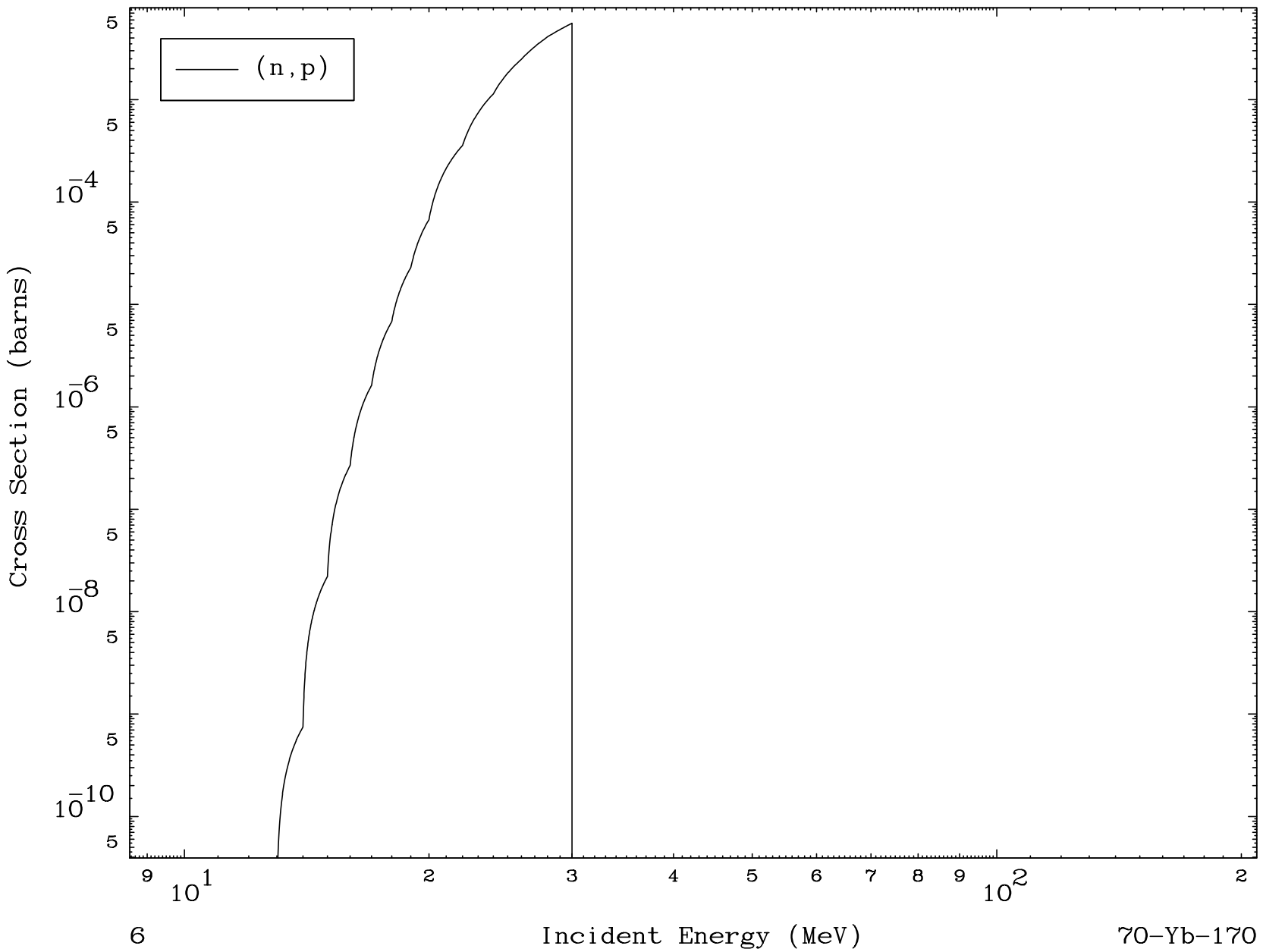

MAT 7031
α Major
70-Yb-170
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-170

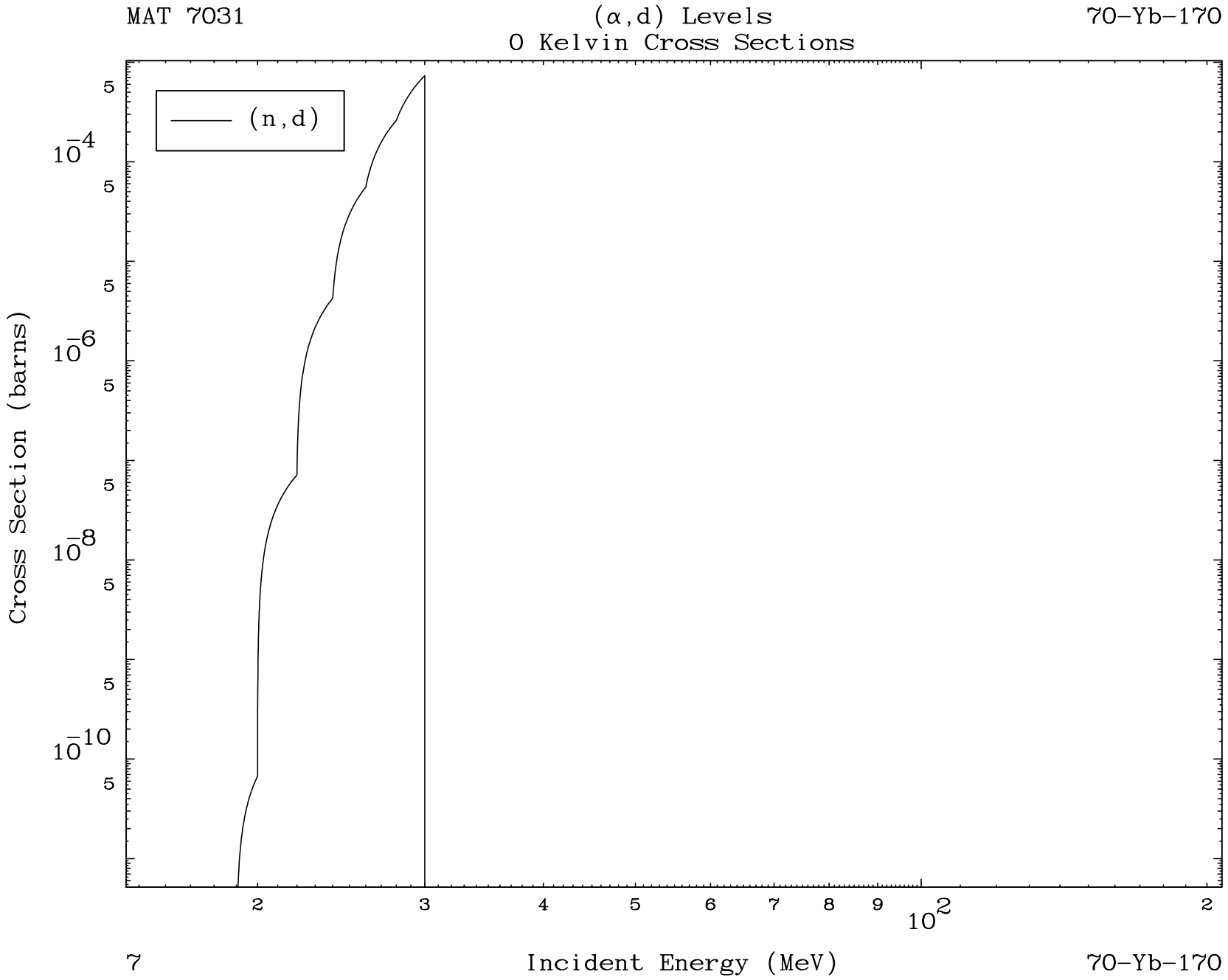

MAT 7031
α Neutron Absorption
0 Kelvin Cross Sections
70-Yb-170
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-170
2


MAT 7031
α Neutron Absorption
0 Kelvin Cross Sections
70-Yb-170
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
70-Yb-170

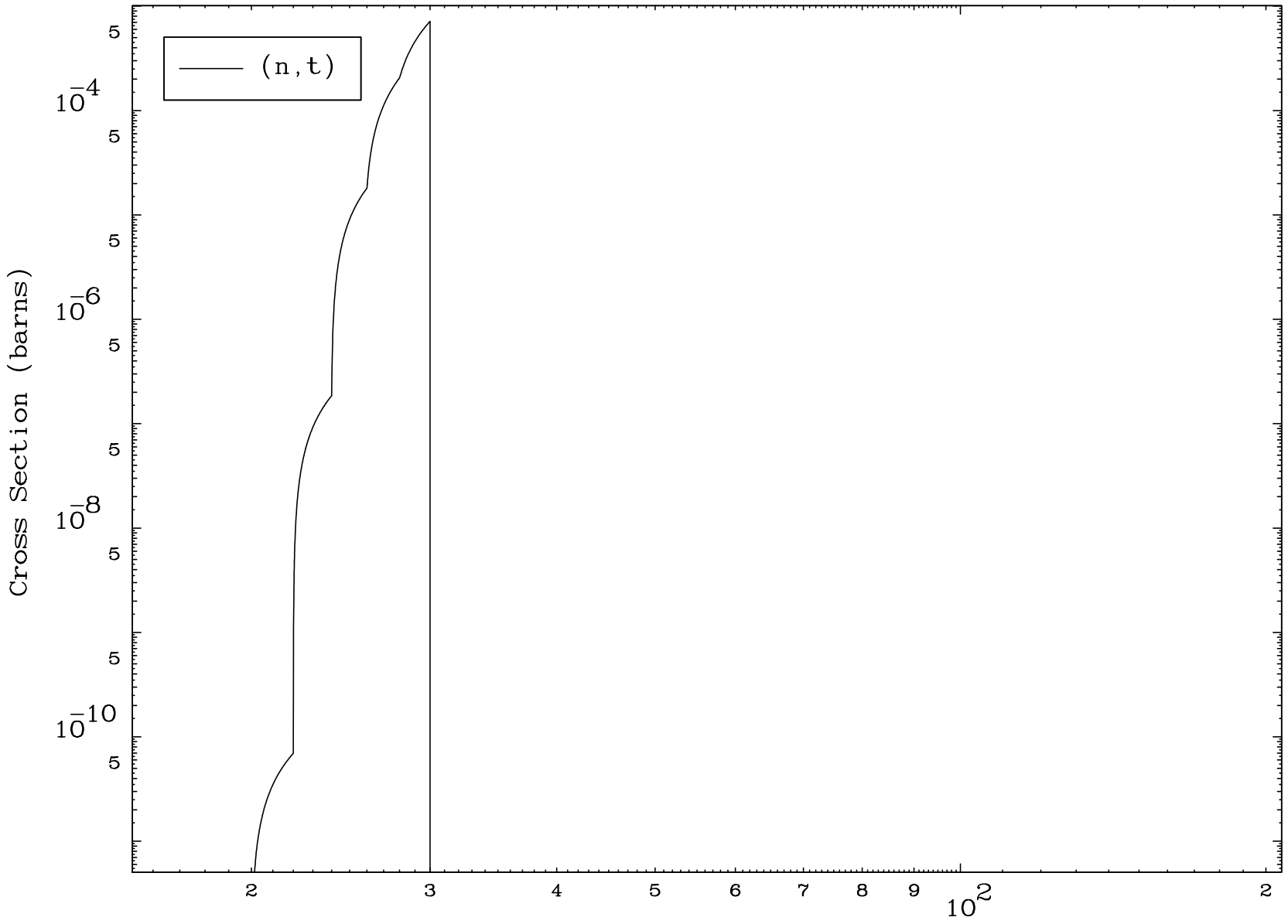

MAT 7031
α Charged Particle
0 Kelvin Cross Sections
70-Yb-170
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-170
4

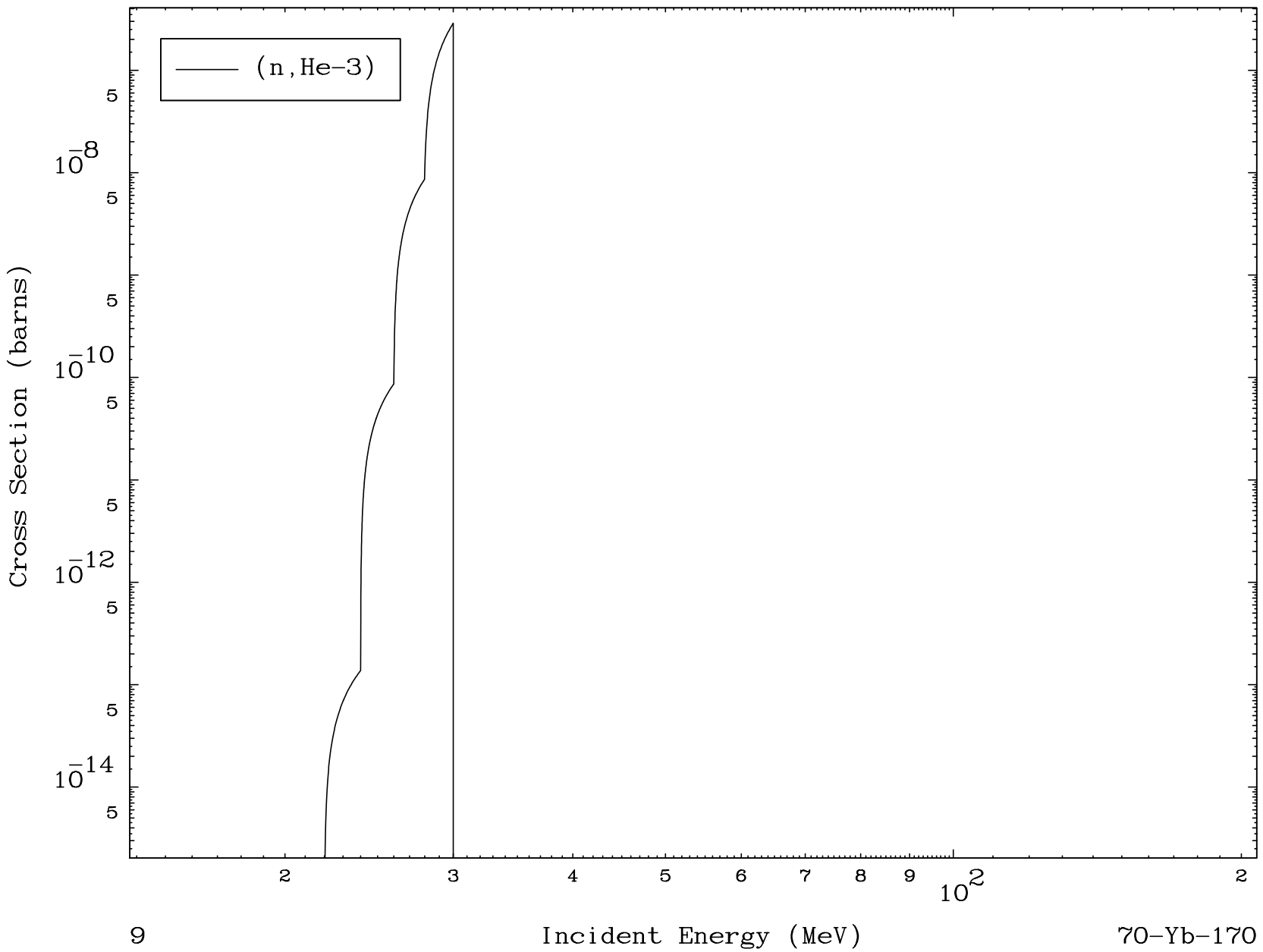

MAT 7031
α Charged Particle
0 Kelvin Cross Sections
70-Yb-170
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
70-Yb-170

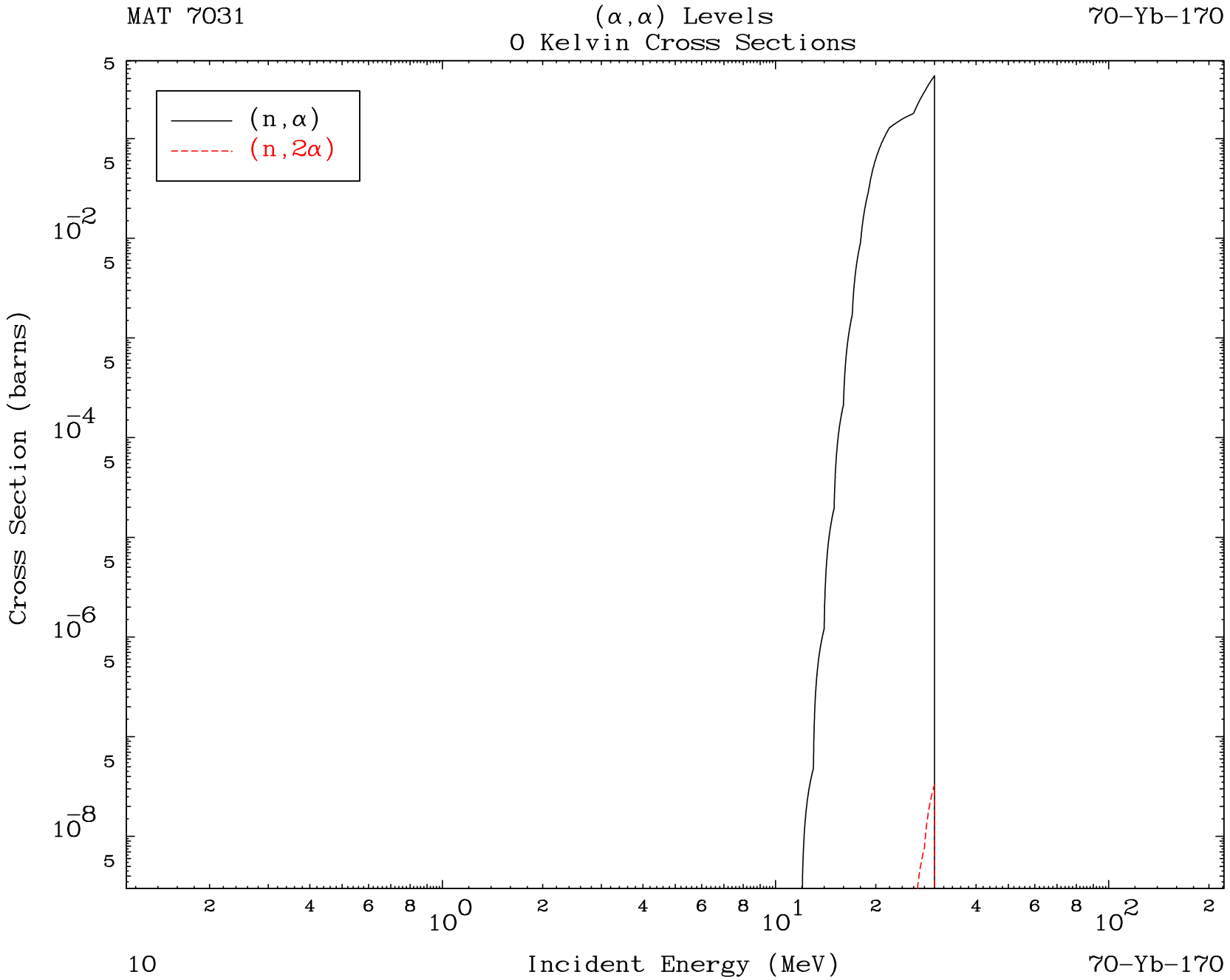

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)

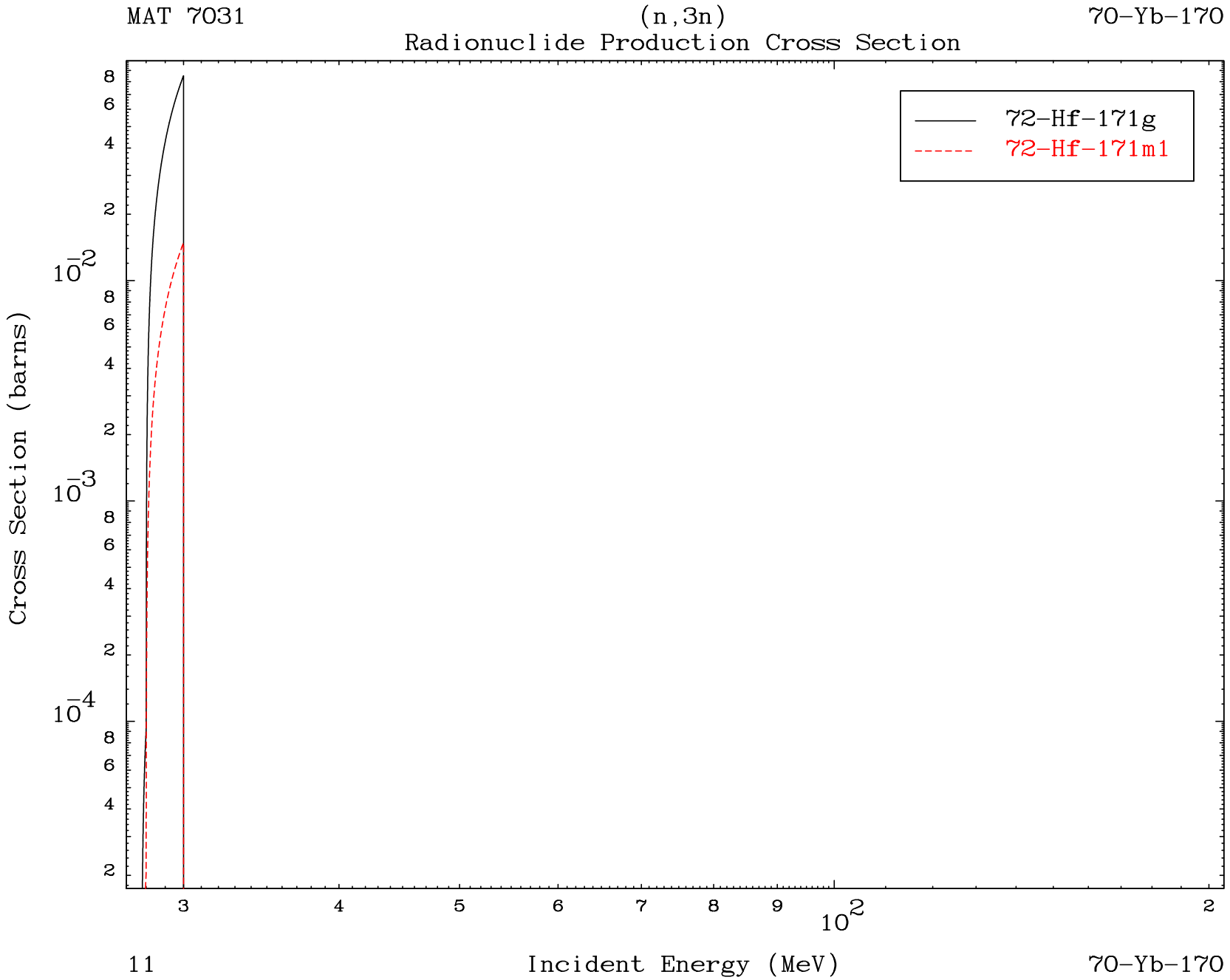

MAT 7031
(α,d) Levels
70-Yb-170
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
70-Yb-170

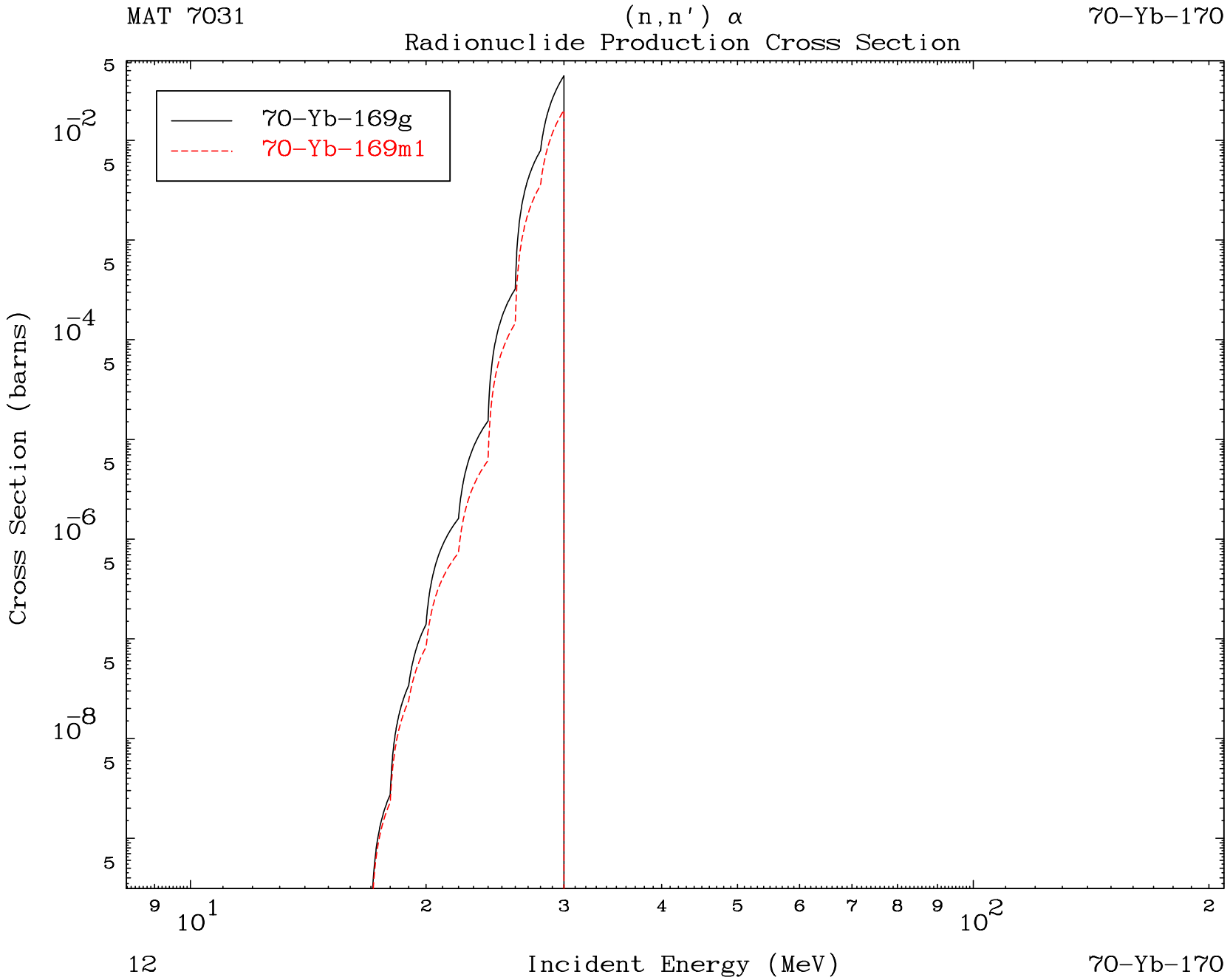
0 Kelvin Cross Sections

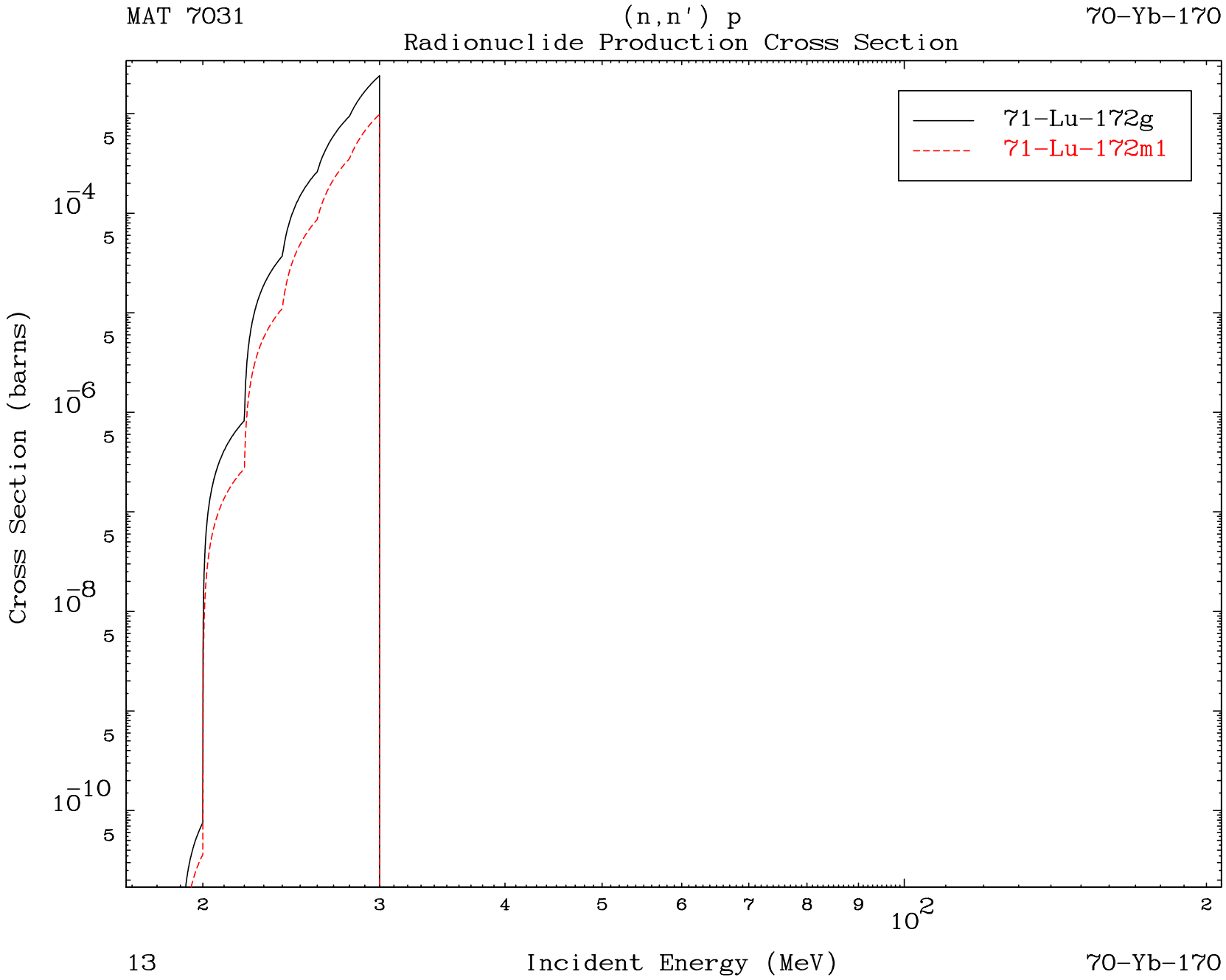


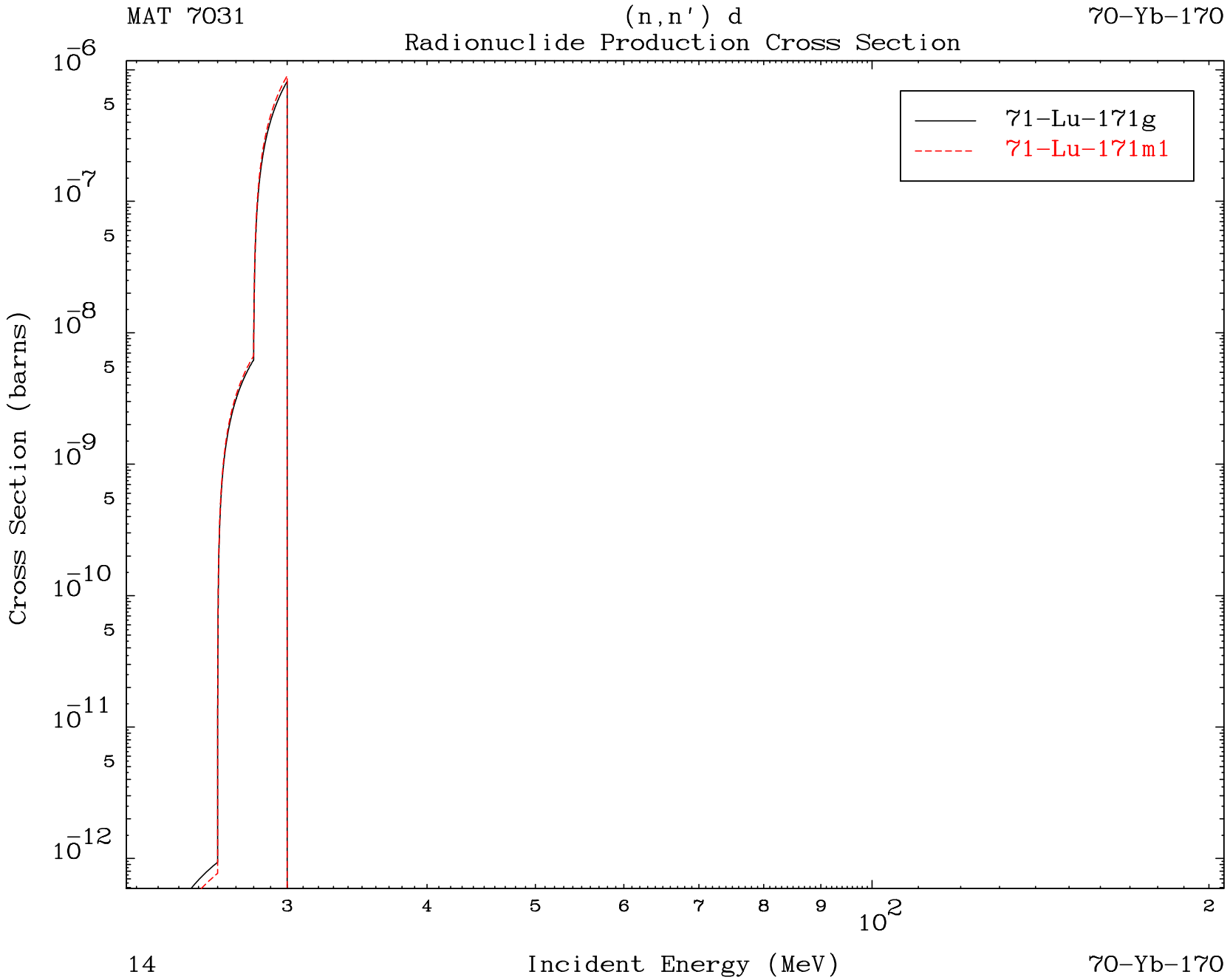

0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

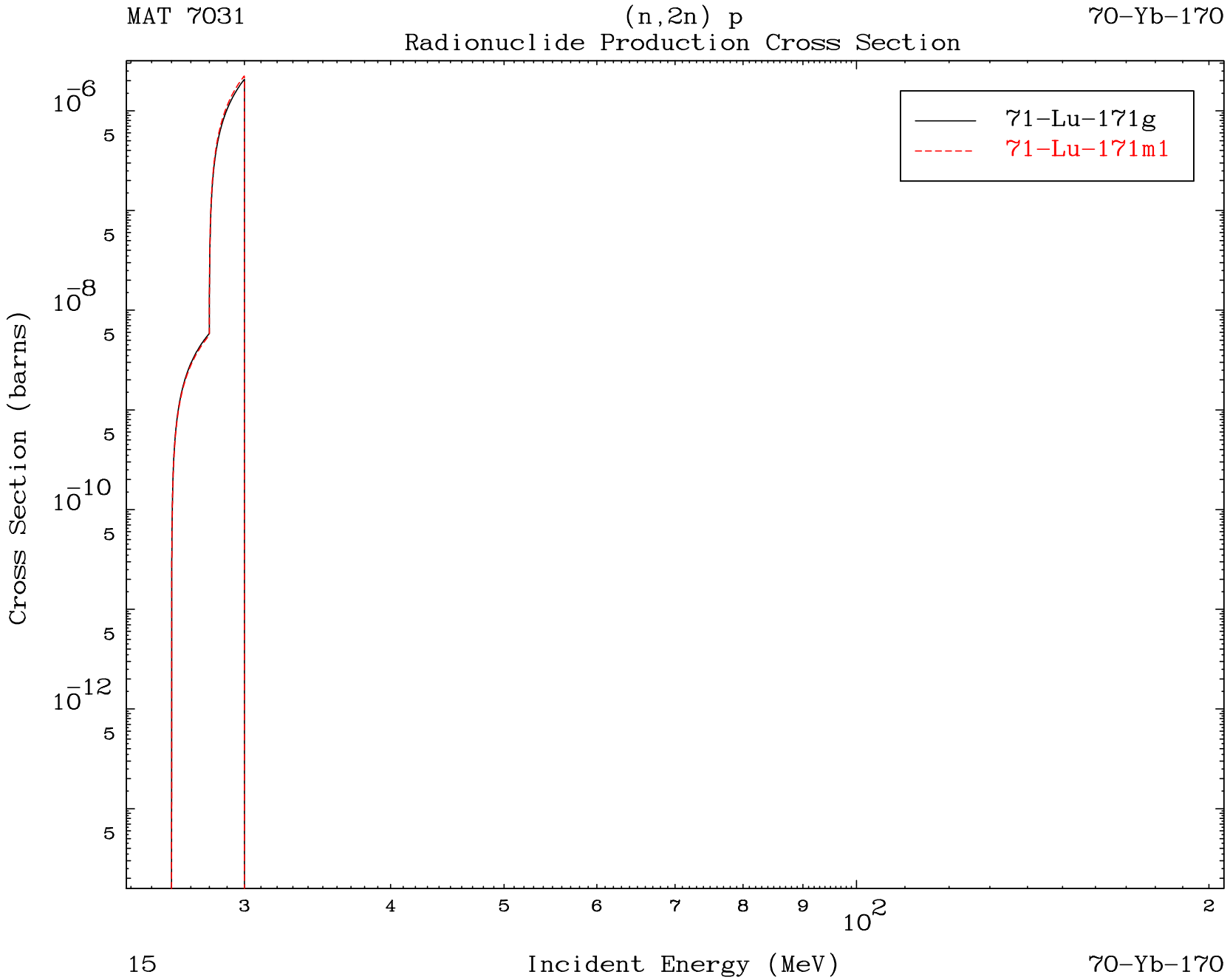

MAT 7031
(α,α) Levels
70-Yb-170
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-170

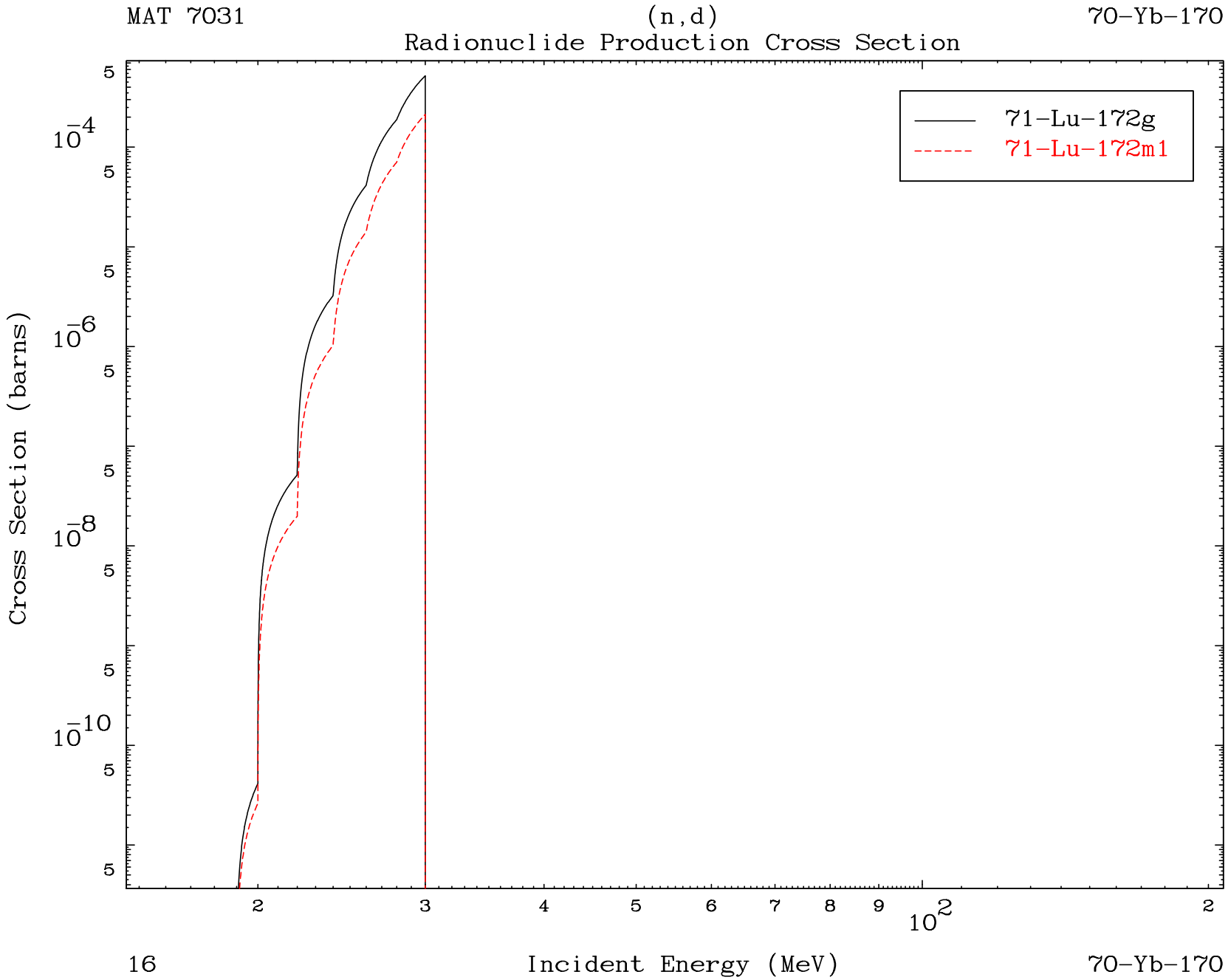

MAT 7031
(n,3n)
70-Yb-170
Radionuclide Production Cross Section
72-Hf-171g
72-Hf-171m1
Cross Section (barns)
Incident Energy (MeV)
11
70-Yb-170

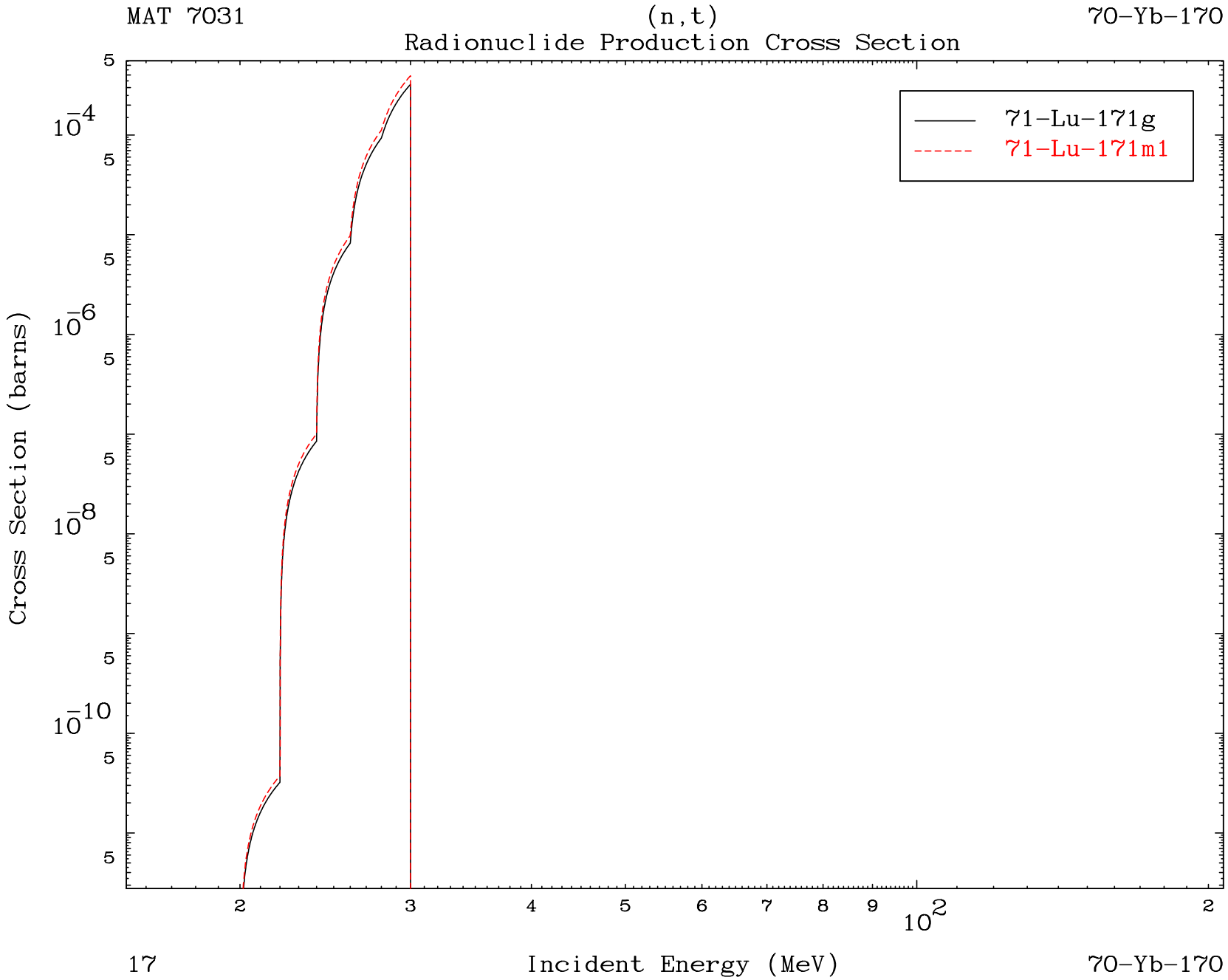

MAT 7031
(n,n') α
70-Yb-170
Radionuclide Production Cross Section
70-Yb-169g
70-Yb-169m1
Cross Section (barns)
Incident Energy (MeV)
12
70-Yb-170


MAT 7031
(n,n') p
70-Yb-170
Radionuclide Production Cross Section
71-Lu-172g
71-Lu-172m1
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)
70-Yb-170


MAT 7031
(n,n') d
70-Yb-170
Radionuclide Production Cross Section
71-Lu-171g
71-Lu-171m1
Cross Section (barns)
Incident Energy (MeV)
14
70-Yb-170


MAT 7031
(n,2n) p
70-Yb-170
Radionuclide Production Cross Section
71-Lu-171g
71-Lu-171m1
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)
70-Yb-170


MAT 7031
(n,d)
70-Yb-170
Radionuclide Production Cross Section
71-Lu-172g
71-Lu-172m1
Cross Section (barns)
Incident Energy (MeV)
16
70-Yb-170


MAT 7031
(n,t)
70-Yb-170
Radionuclide Production Cross Section
71-Lu-171g
71-Lu-171m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
70-Yb-170