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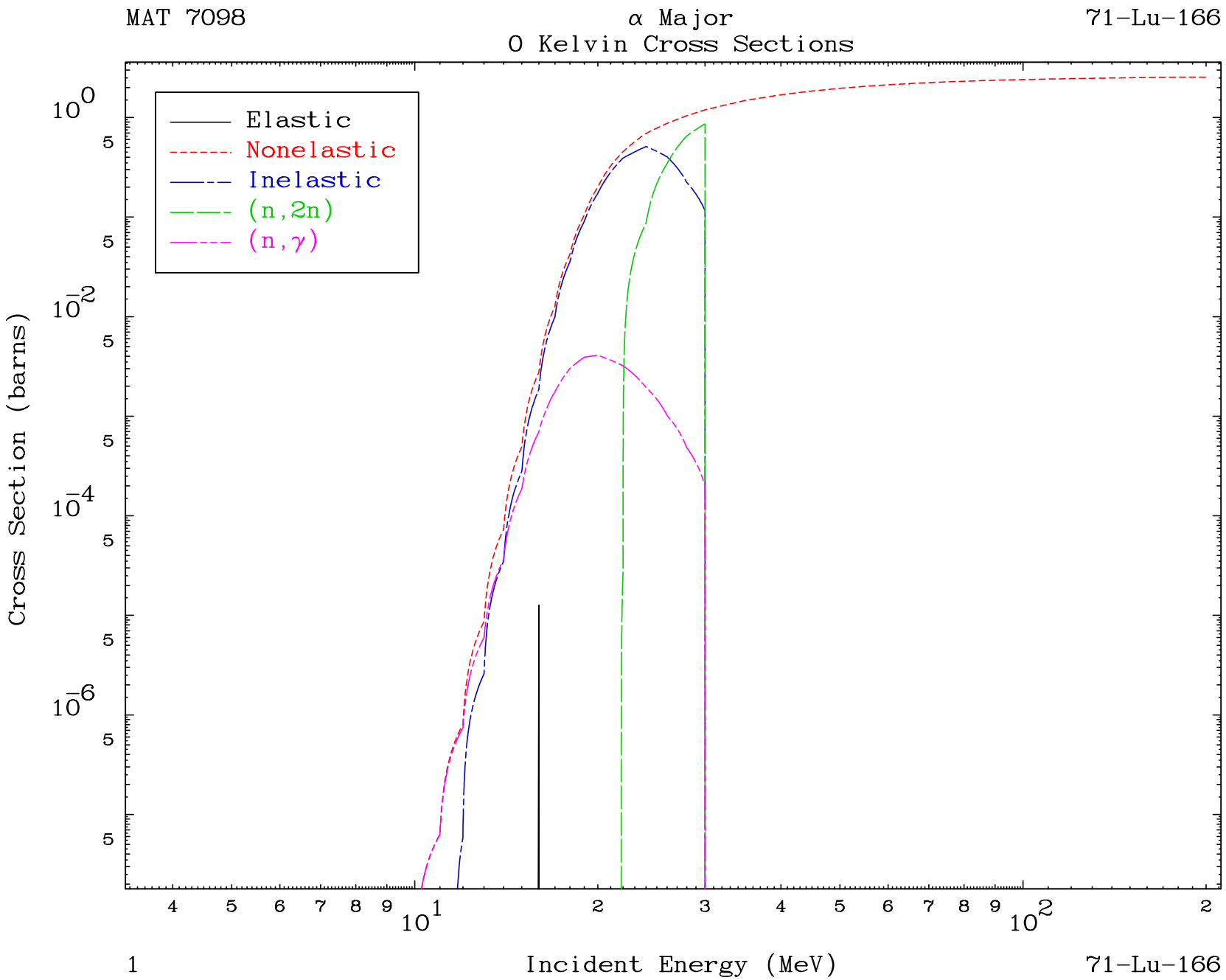
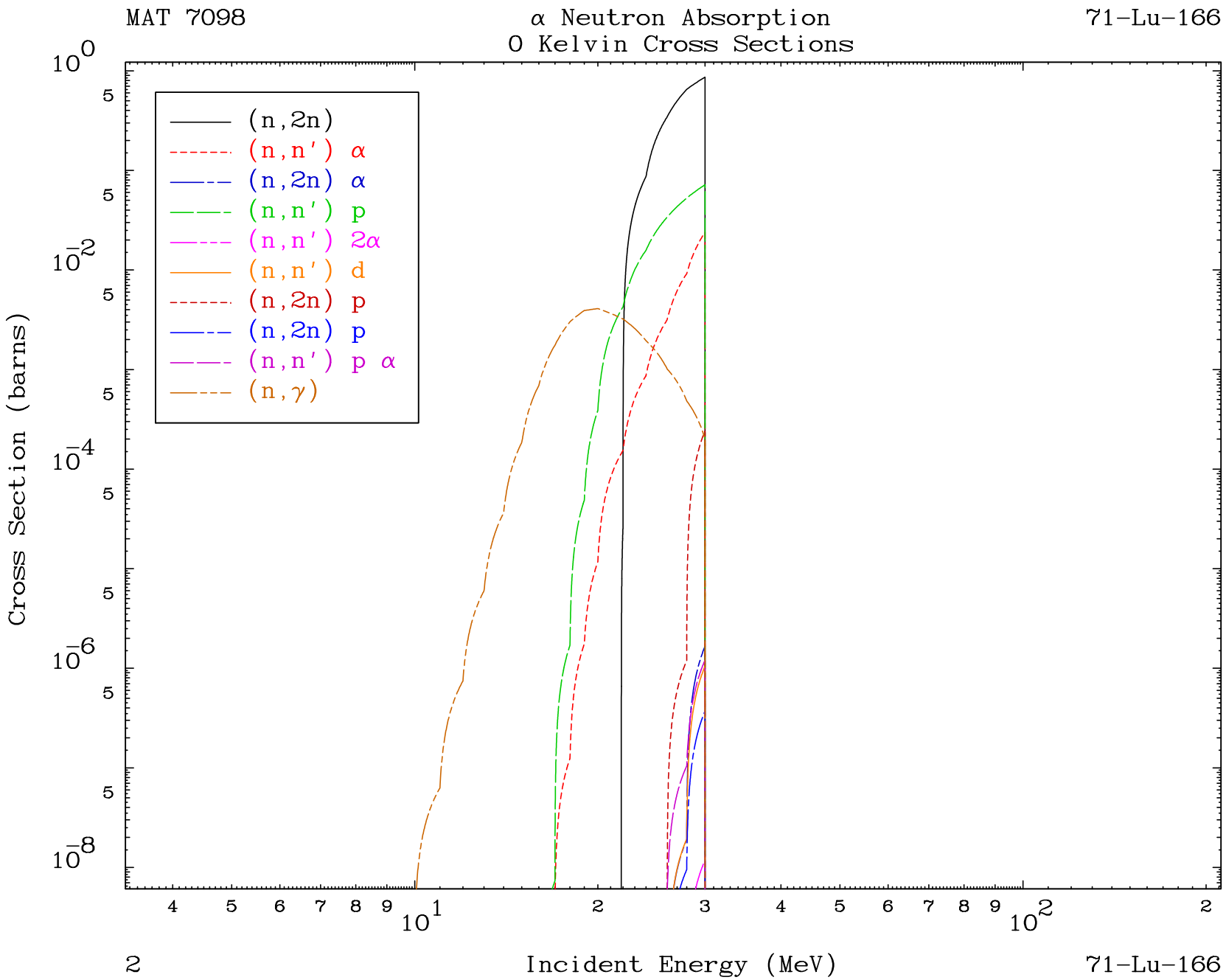
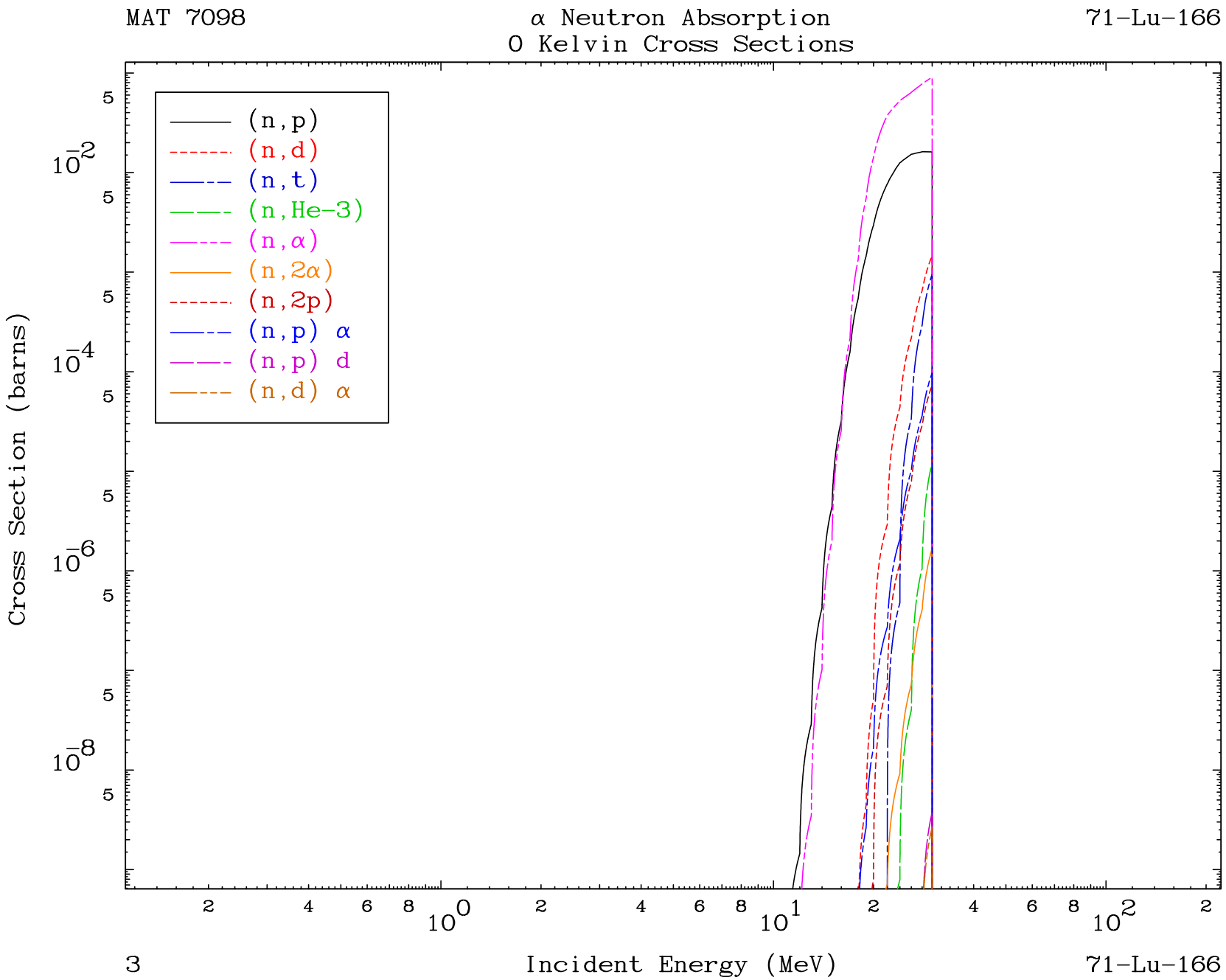
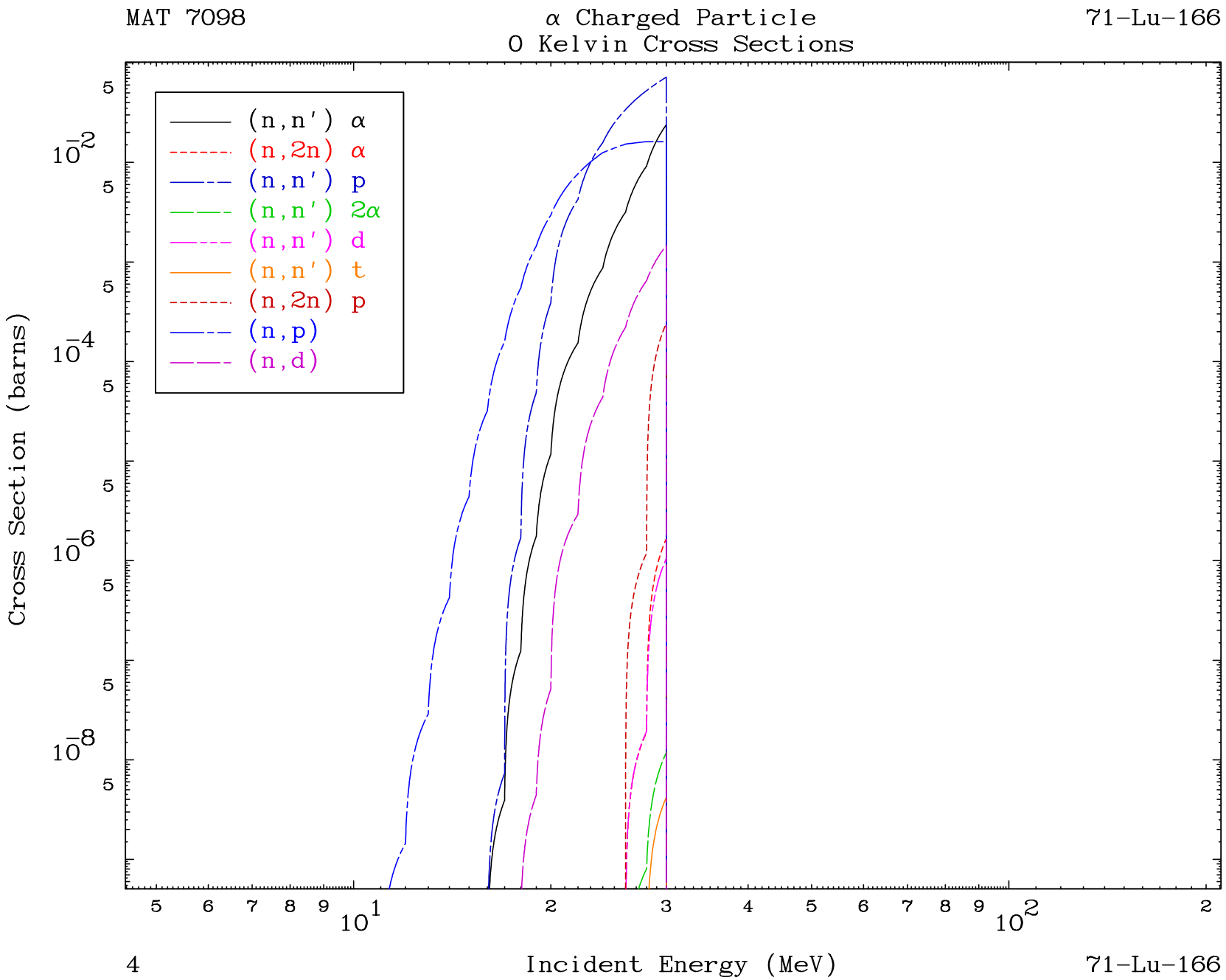
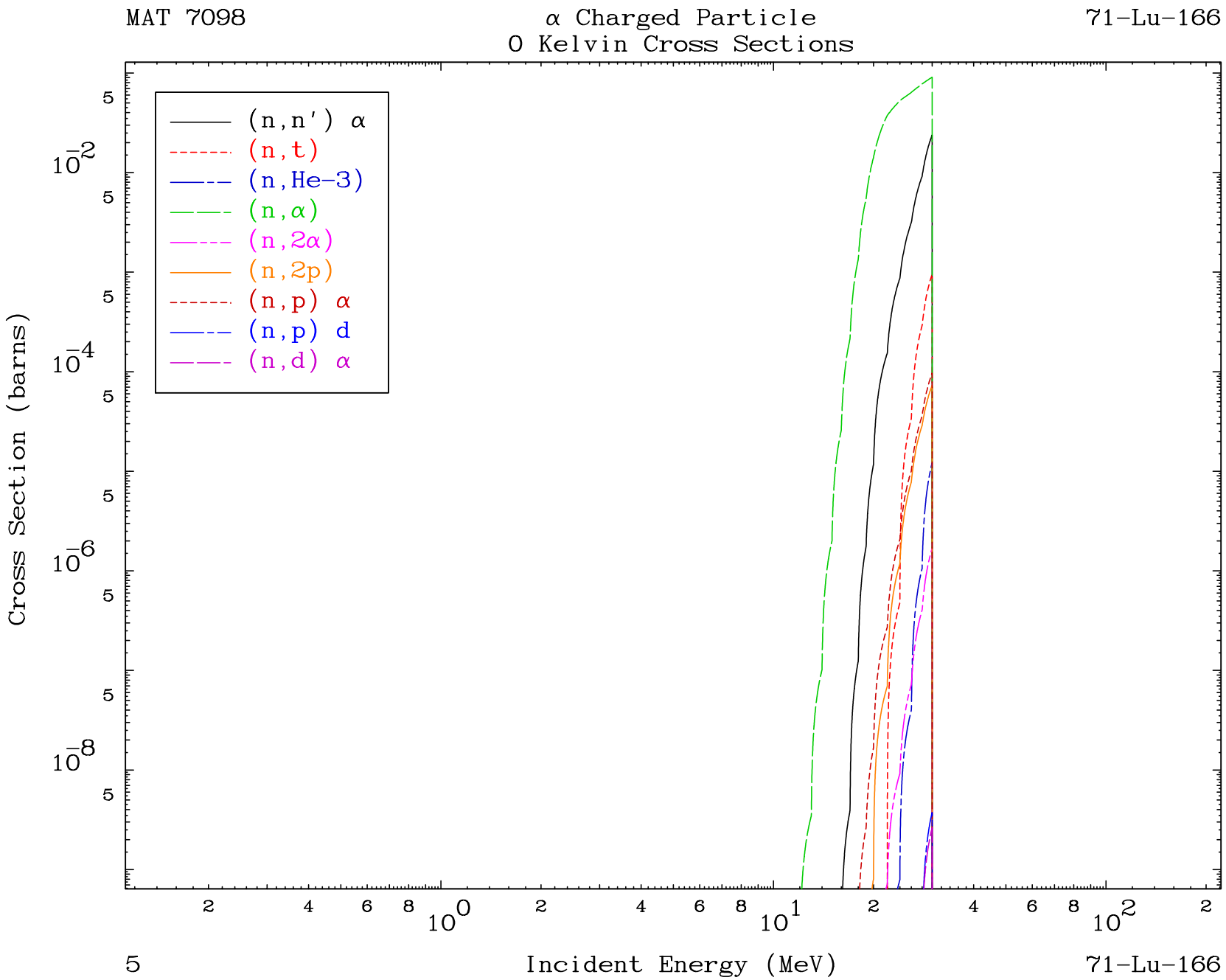
Press Mouse Button to Start

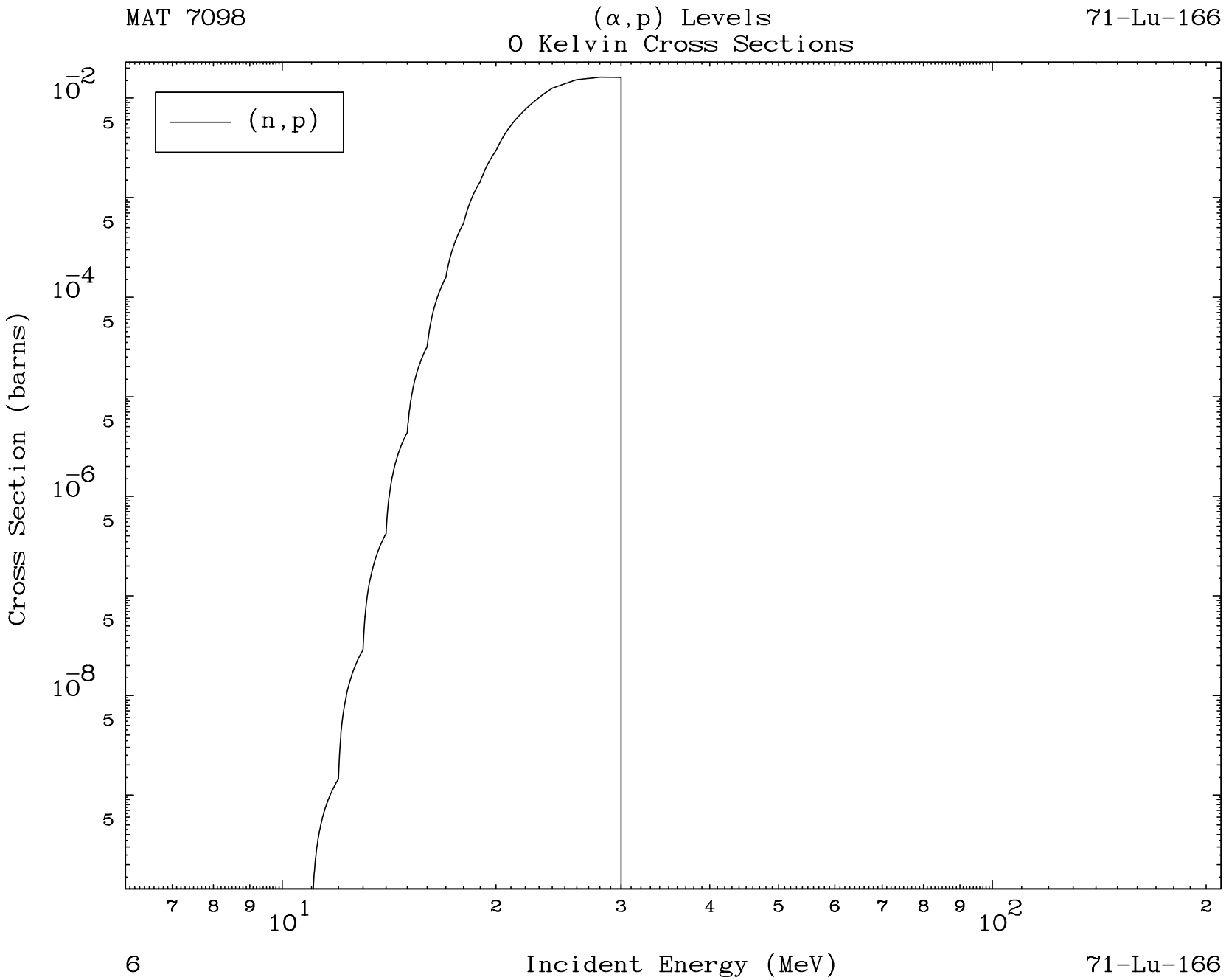

MAT 7098
α Major
71-Lu-166
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166

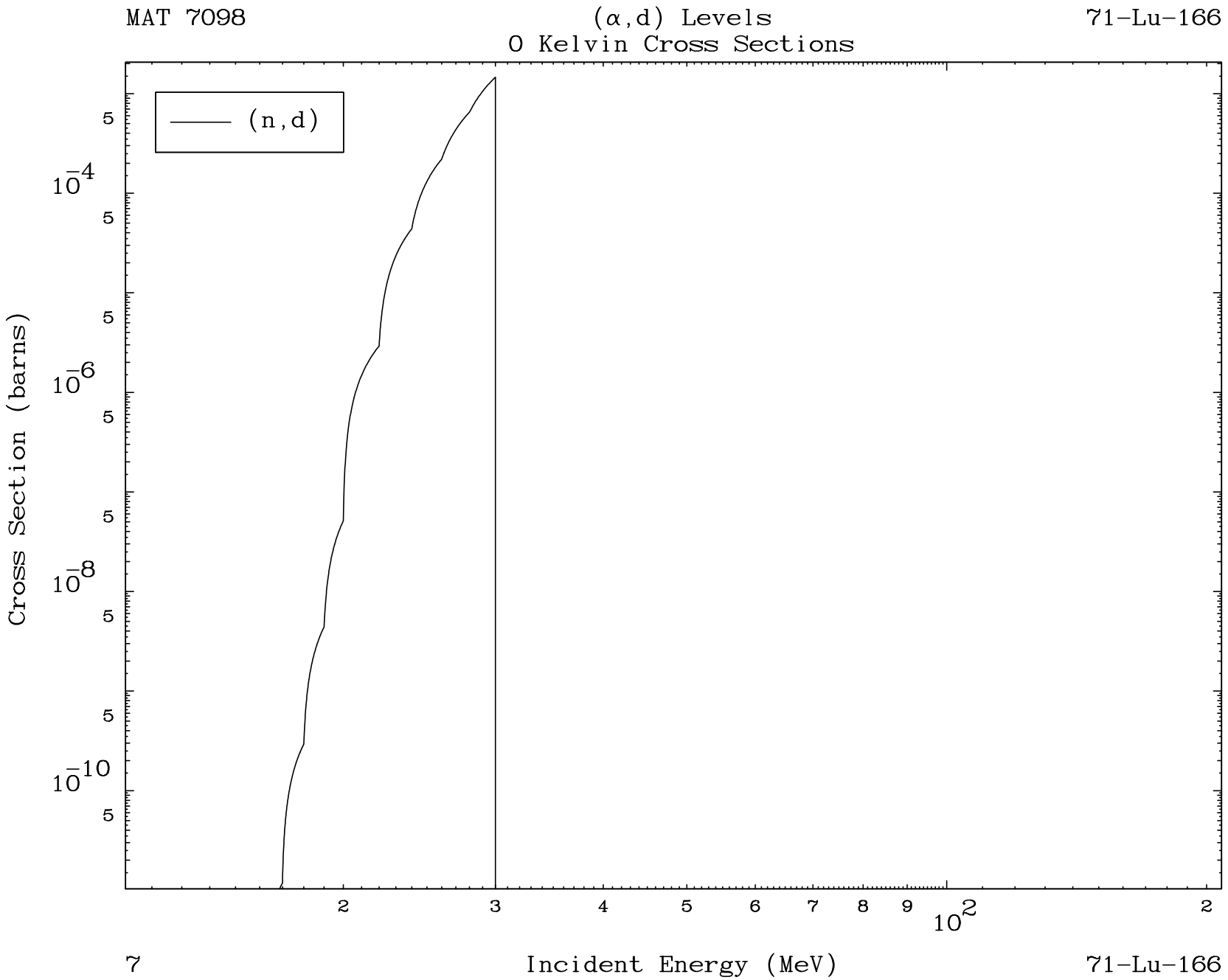

MAT 7098
α Neutron Absorption
0 Kelvin Cross Sections
71-Lu-166
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166
2

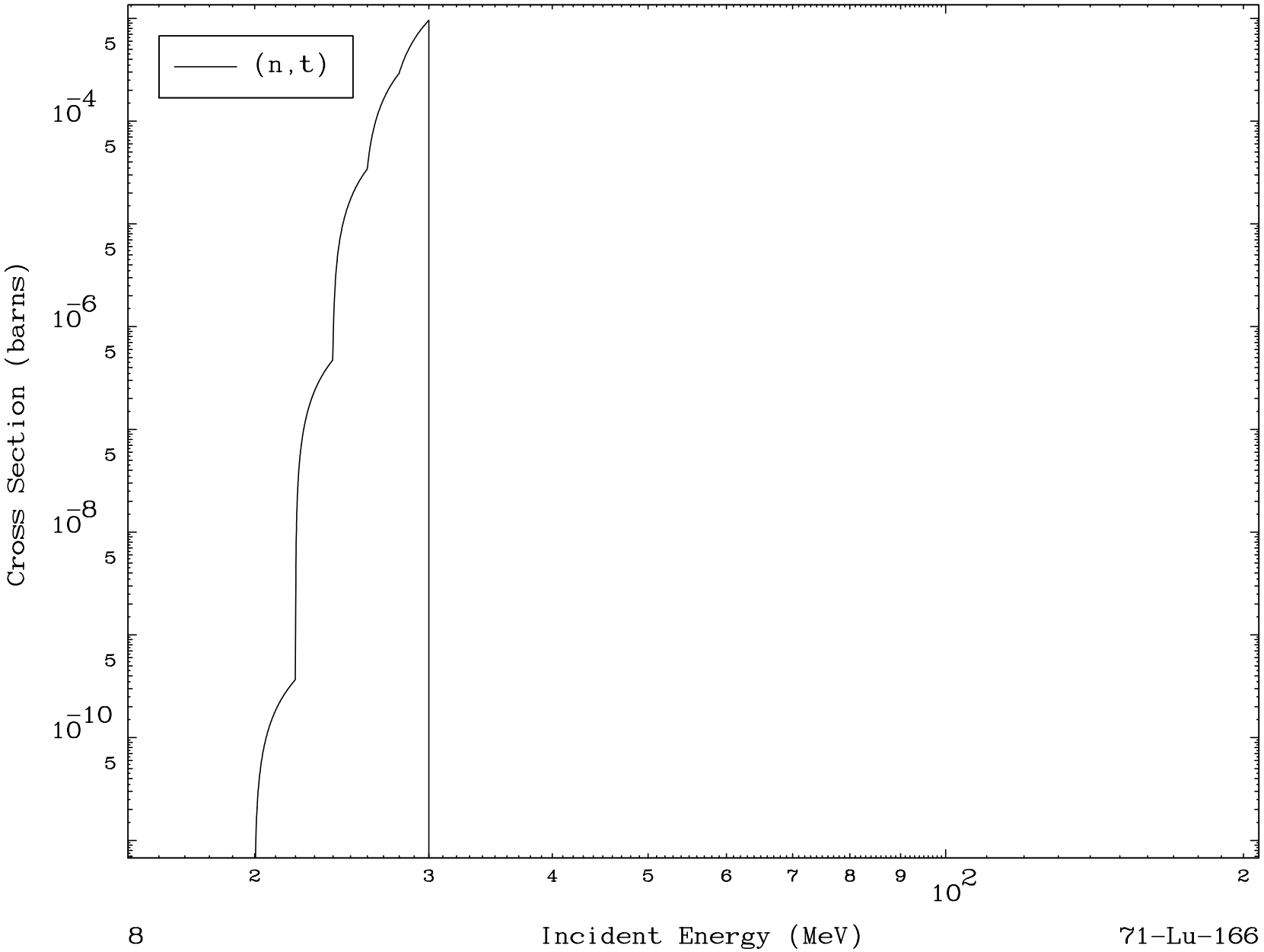

MAT 7098
α Neutron Absorption
0 Kelvin Cross Sections
71-Lu-166
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
71-Lu-166

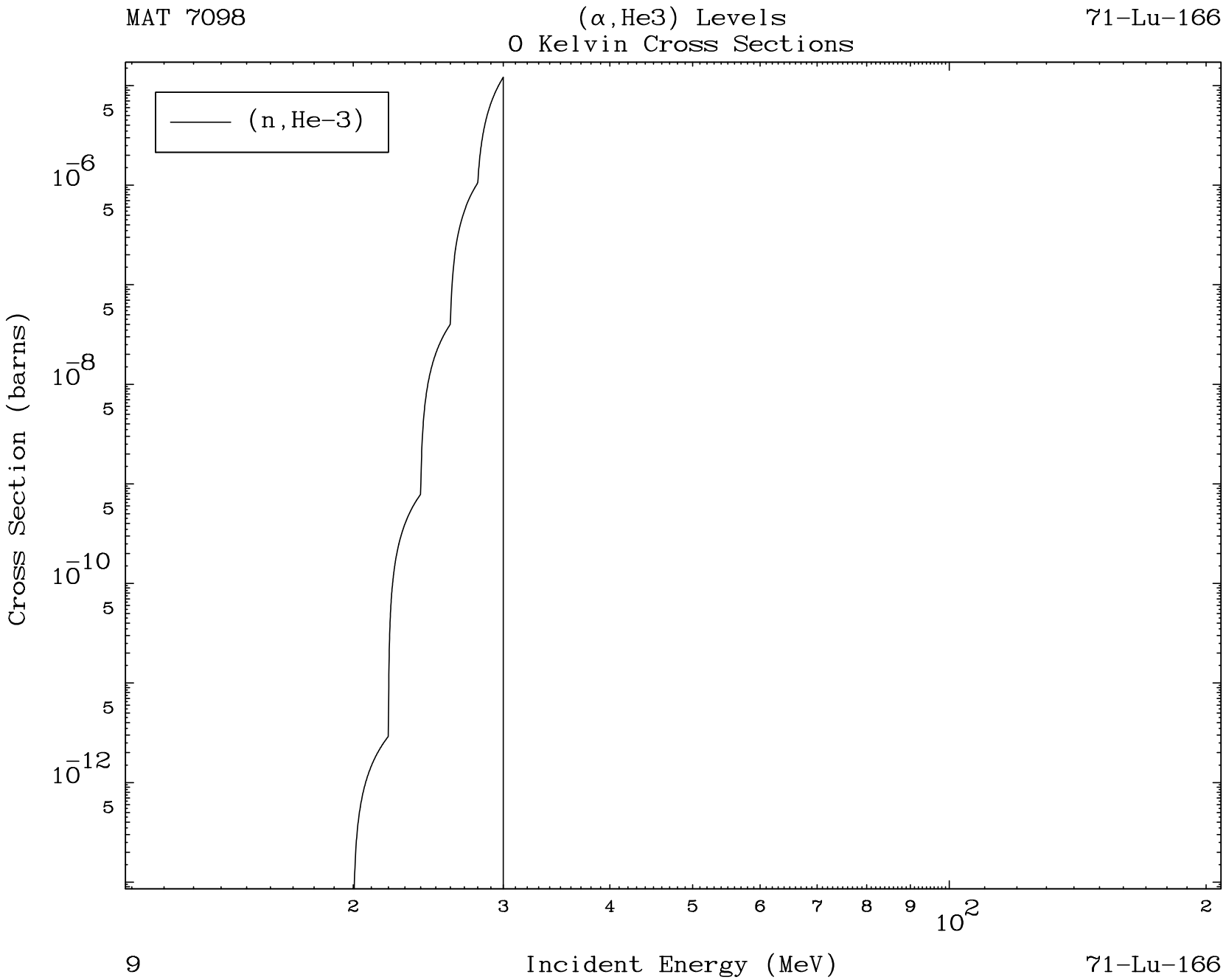

MAT 7098
α Charged Particle
0 Kelvin Cross Sections
71-Lu-166
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
4
71-Lu-166

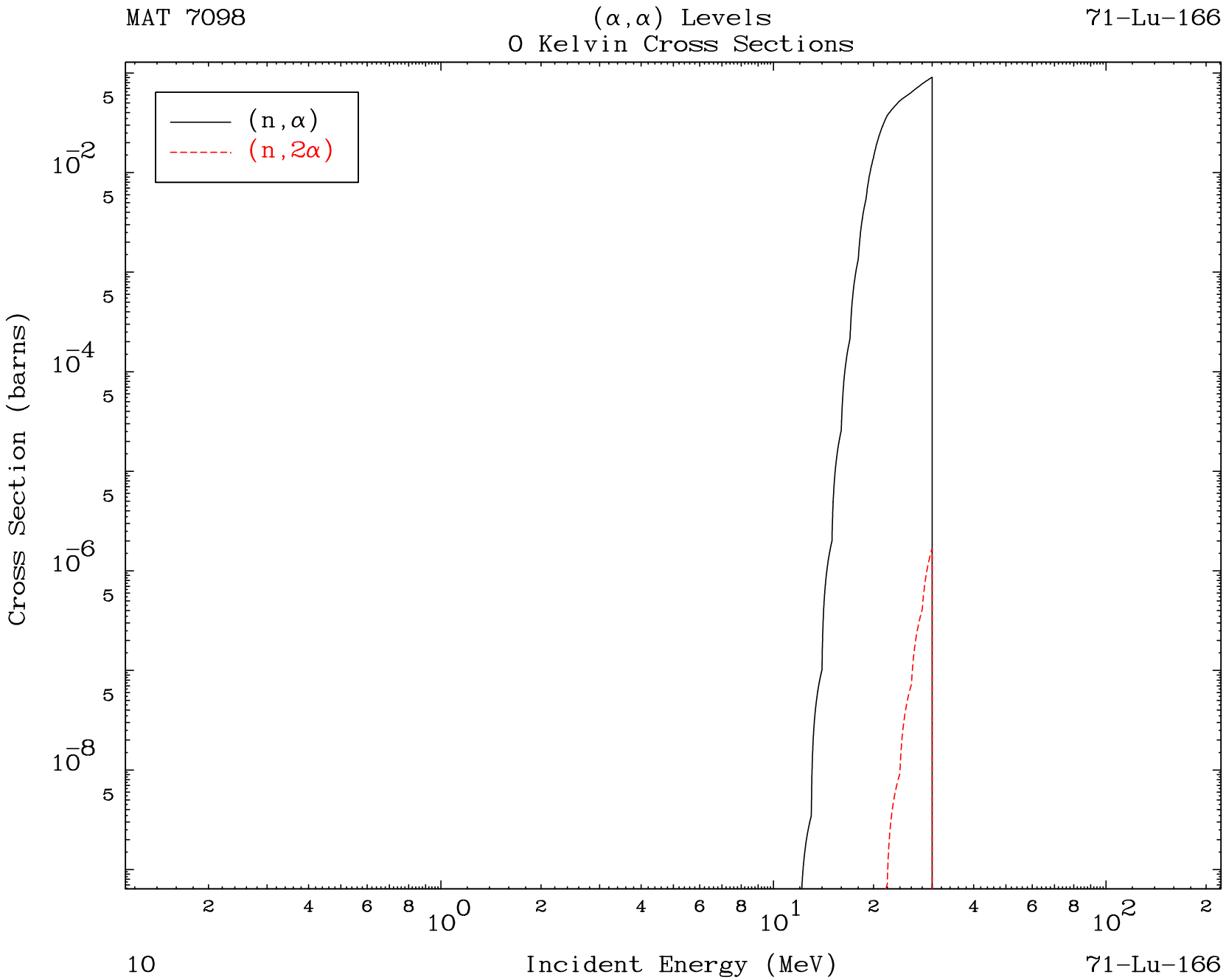

MAT 7098
α Charged Particle
0 Kelvin Cross Sections
71-Lu-166
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166
5

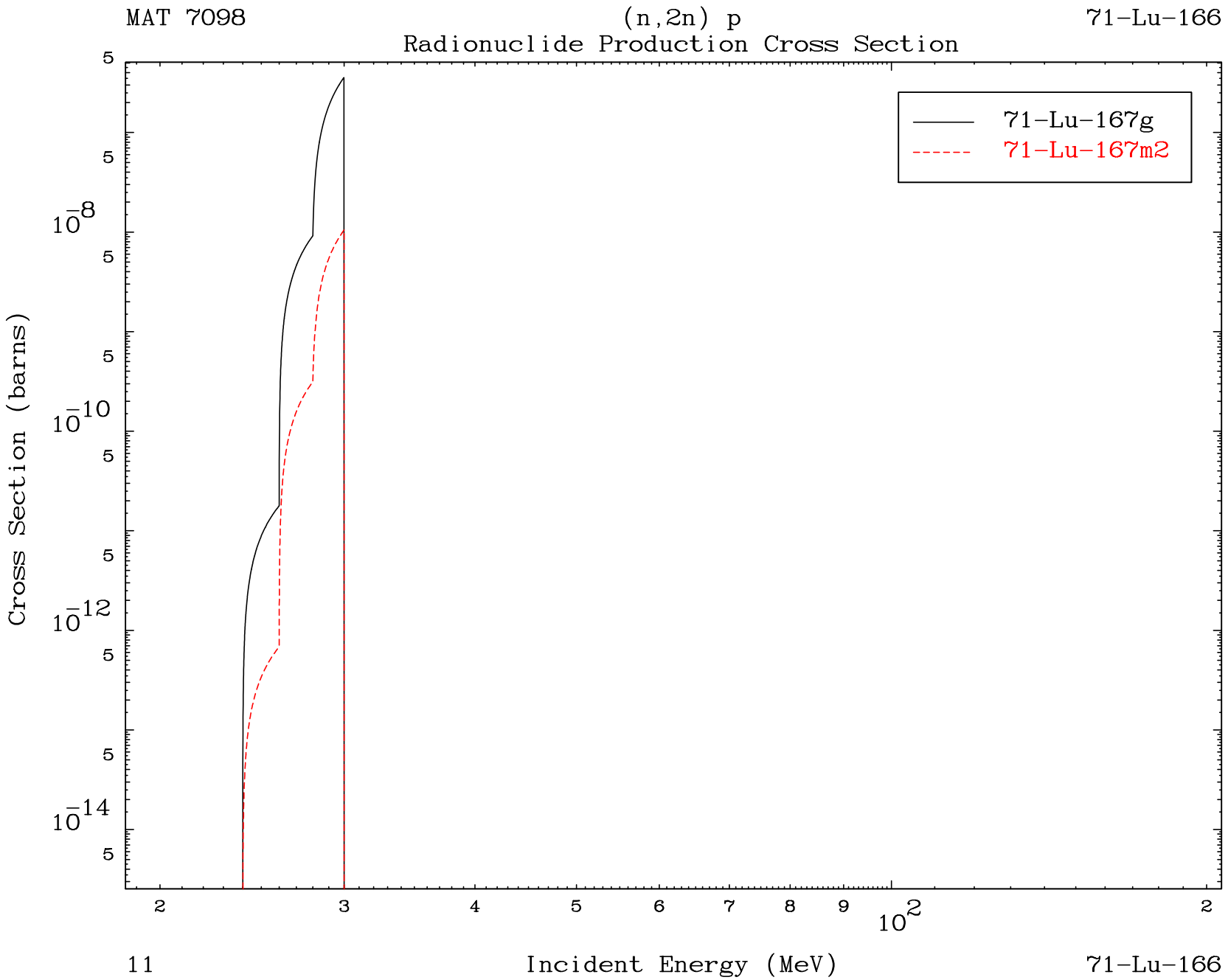

MAT 7098
(α,p) Levels
71-Lu-166
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
71-Lu-166

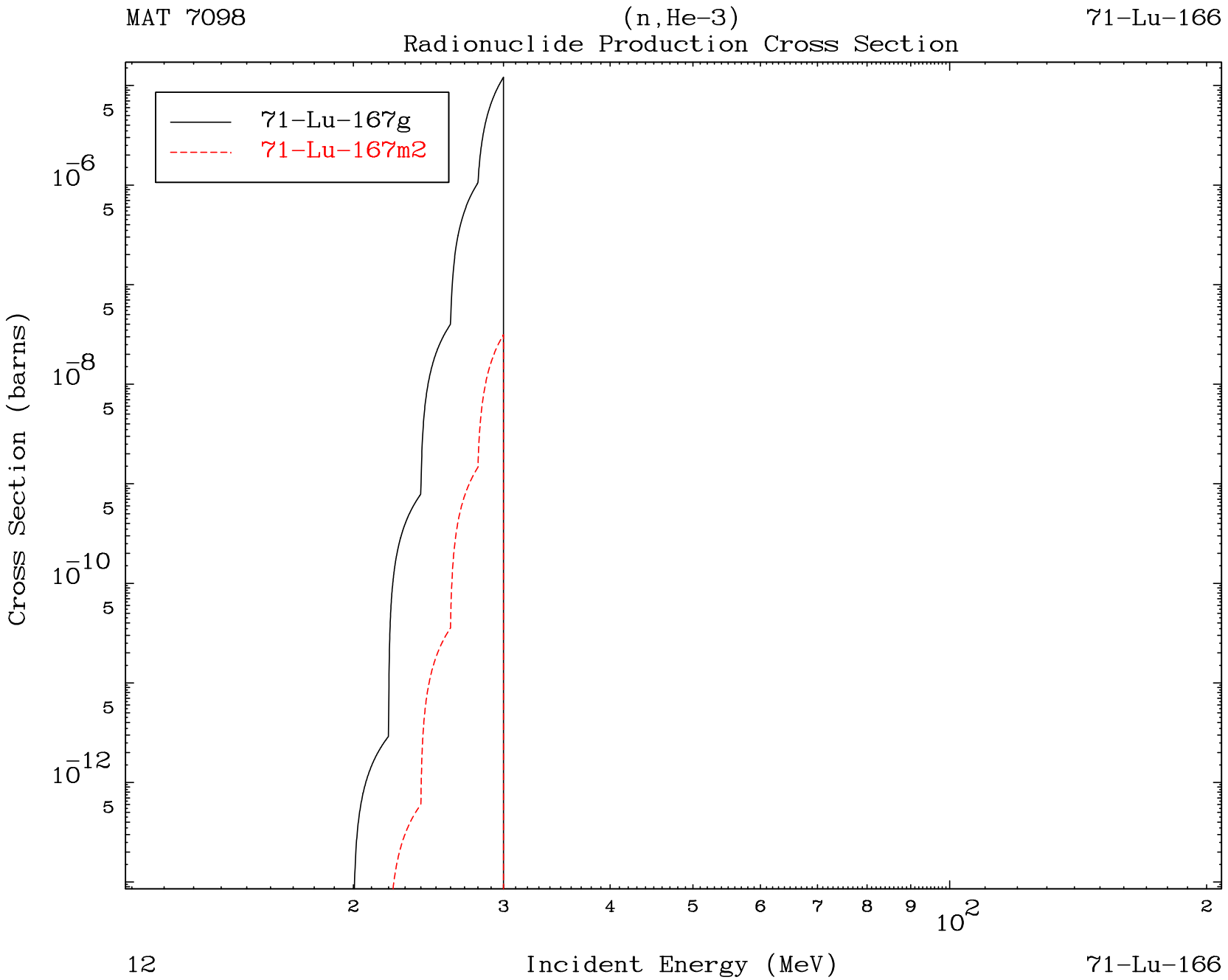

MAT 7098
(α,d) Levels
71-Lu-166
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
71-Lu-166

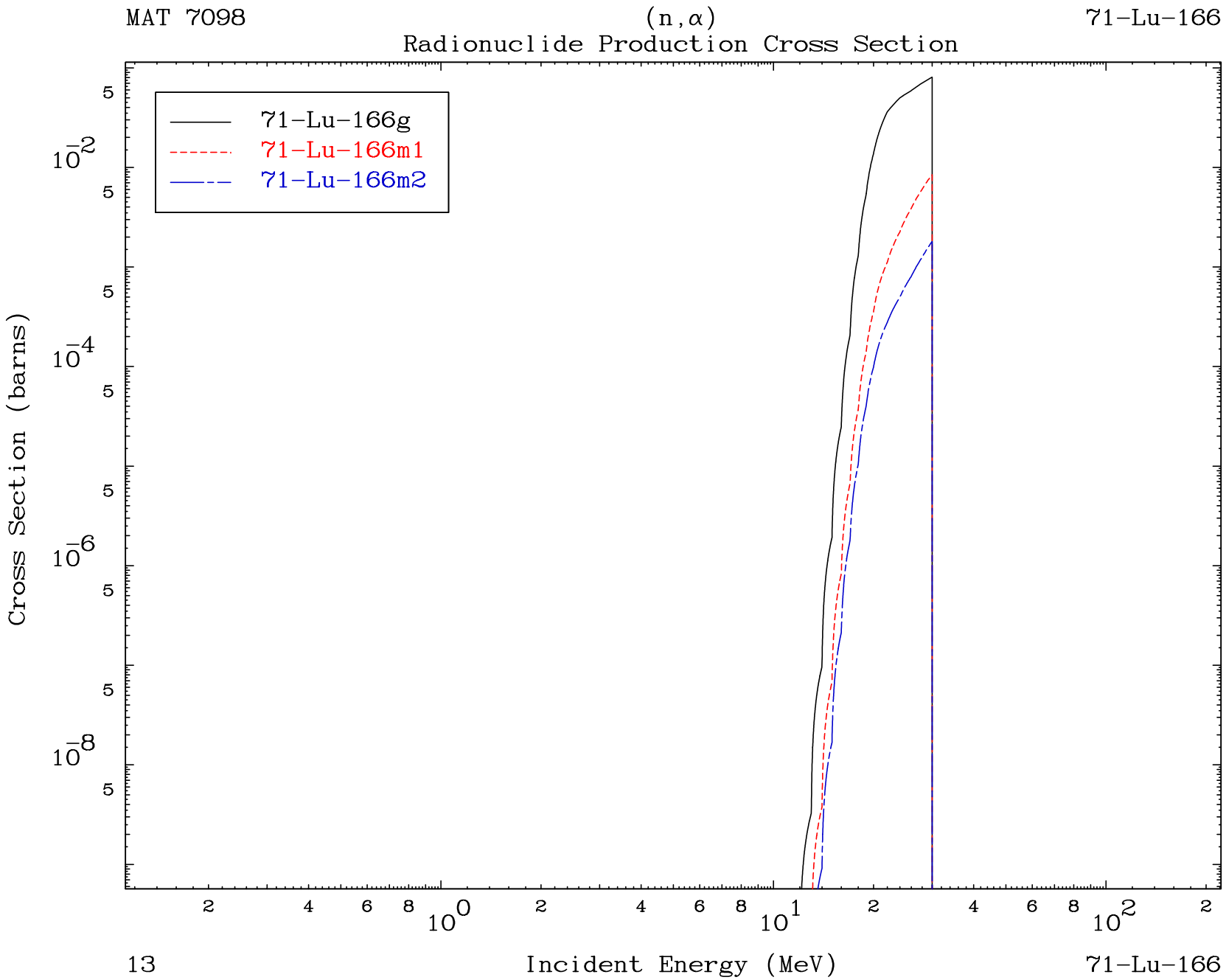

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

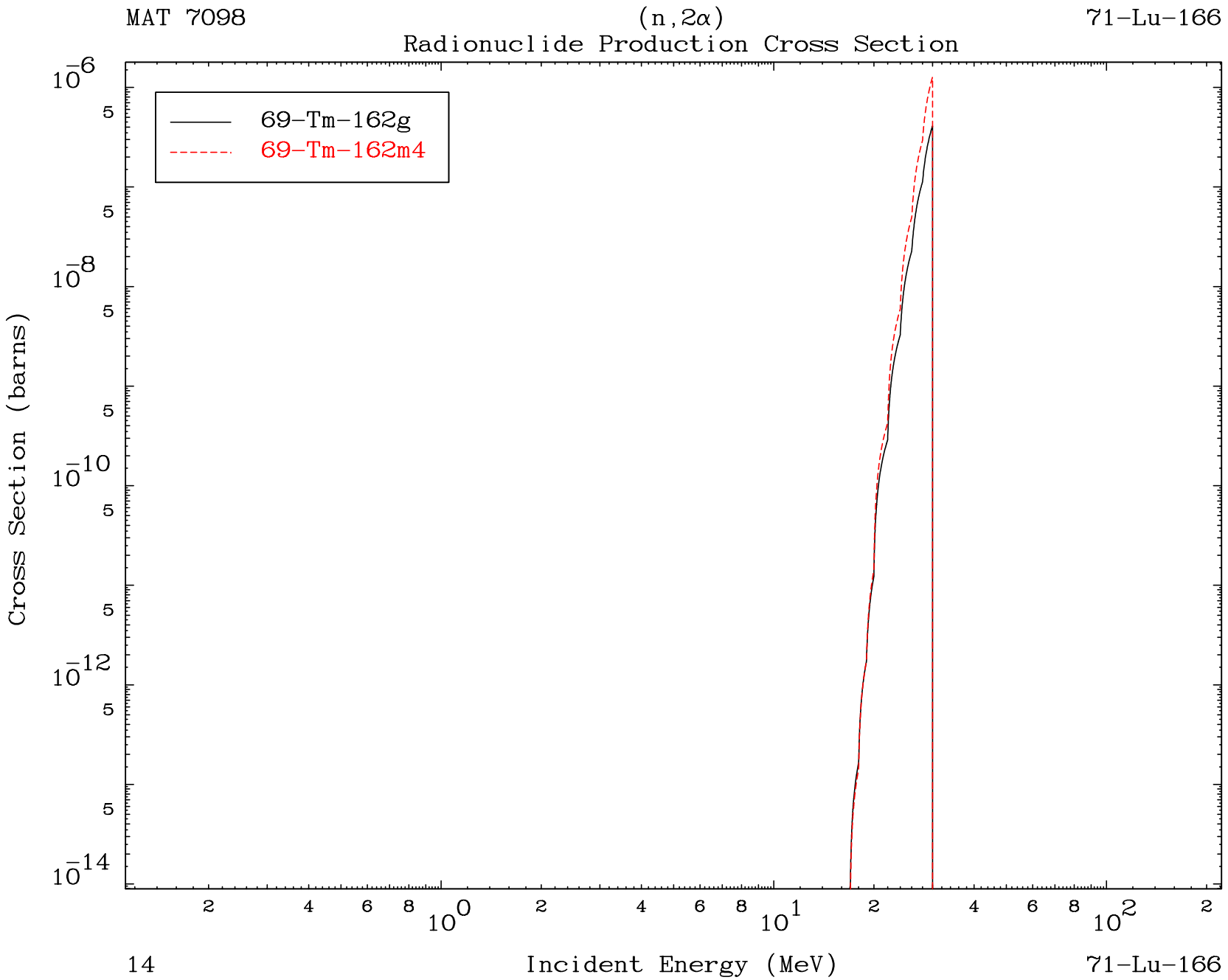

MAT 7098
(α,He3) Levels
71-Lu-166
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
71-Lu-166

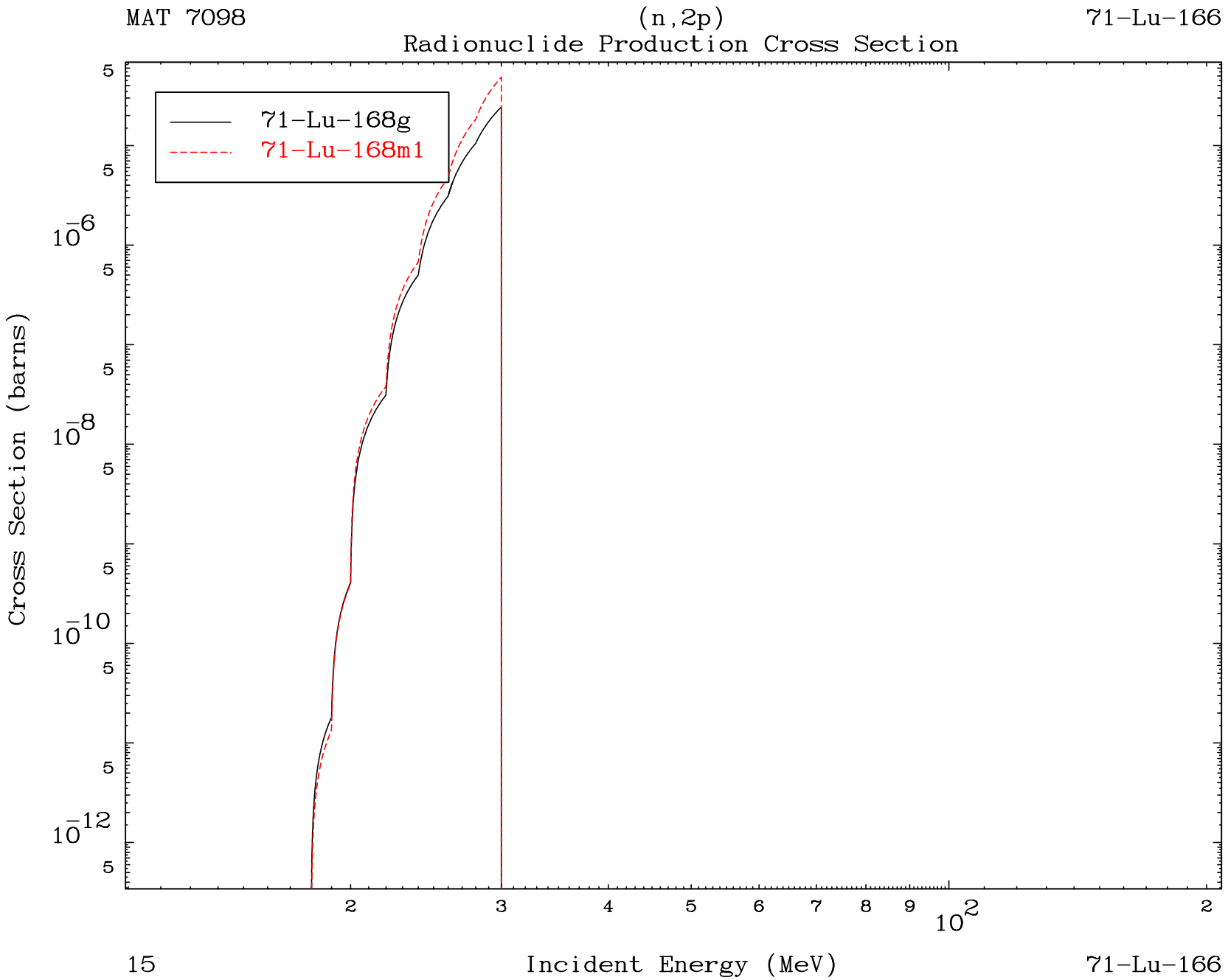

MAT 7098
(α,α) Levels
71-Lu-166
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
71-Lu-166

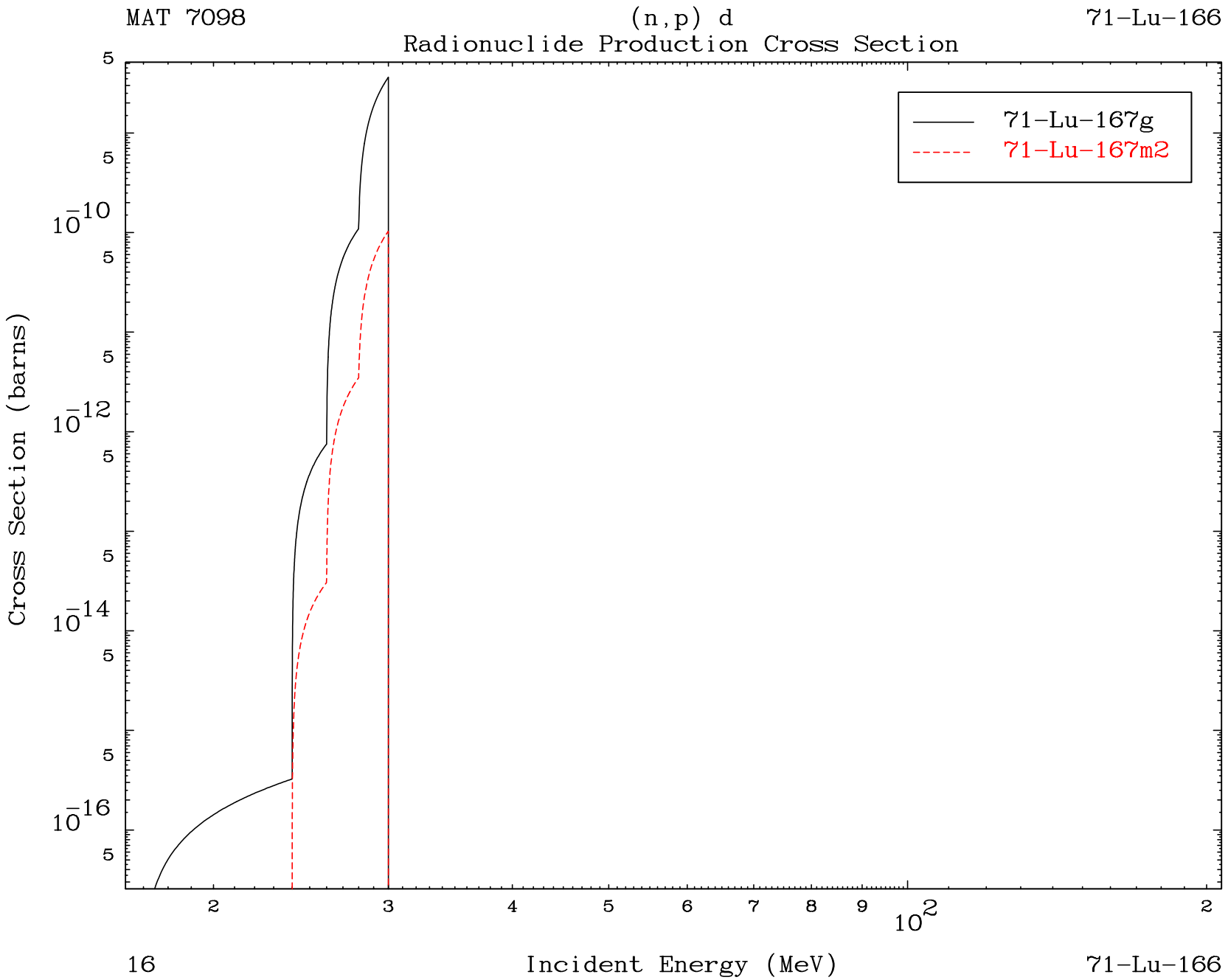

MAT 7098
(n,2n) p
71-Lu-166
Radionuclide Production Cross Section
71-Lu-167g
71-Lu-167m2
Cross Section (barns)
Incident Energy (MeV)
11
71-Lu-166


MAT 7098
(n,He-3)
71-Lu-166
Radionuclide Production Cross Section
71-Lu-167g
71-Lu-167m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
71-Lu-166


MAT 7098
(n,α)
71-Lu-166
Radionuclide Production Cross Section
71-Lu-166g
71-Lu-166m1
71-Lu-166m2
Cross Section (barns)
Incident Energy (MeV)
13
71-Lu-166


MAT 7098
(n,2α)
71-Lu-166
Radionuclide Production Cross Section
69-Tm-162g
69-Tm-162m4
Cross Section (barns)
Incident Energy (MeV)
14
71-Lu-166


MAT 7098
(n,2p)
71-Lu-166
Radionuclide Production Cross Section
71-Lu-168g
71-Lu-168m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
15
71-Lu-166


MAT 7098
(n,p) d
71-Lu-166
Radionuclide Production Cross Section
71-Lu-167g
71-Lu-167m2
Cross Section (barns)
Incident Energy (MeV)
16
71-Lu-166