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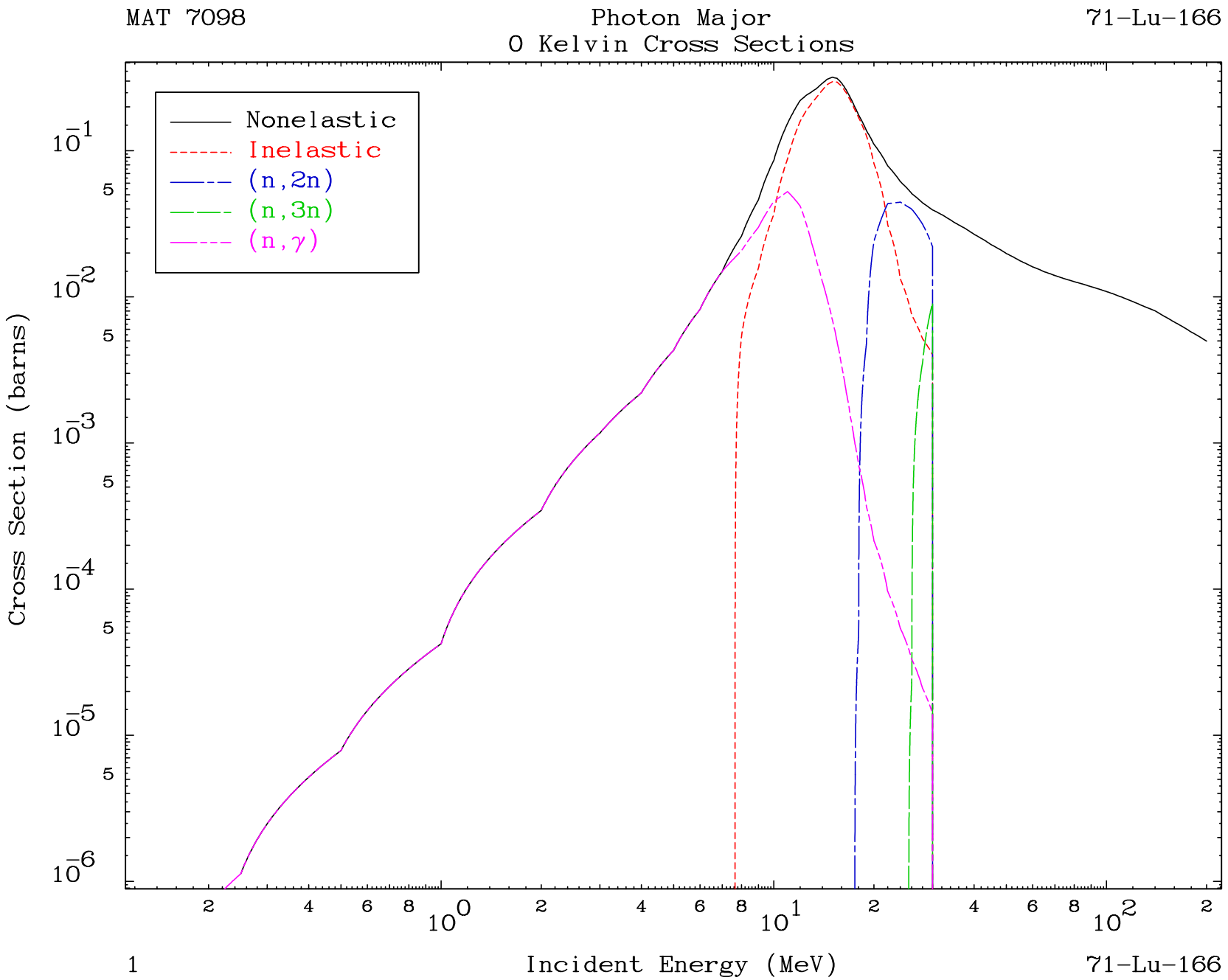
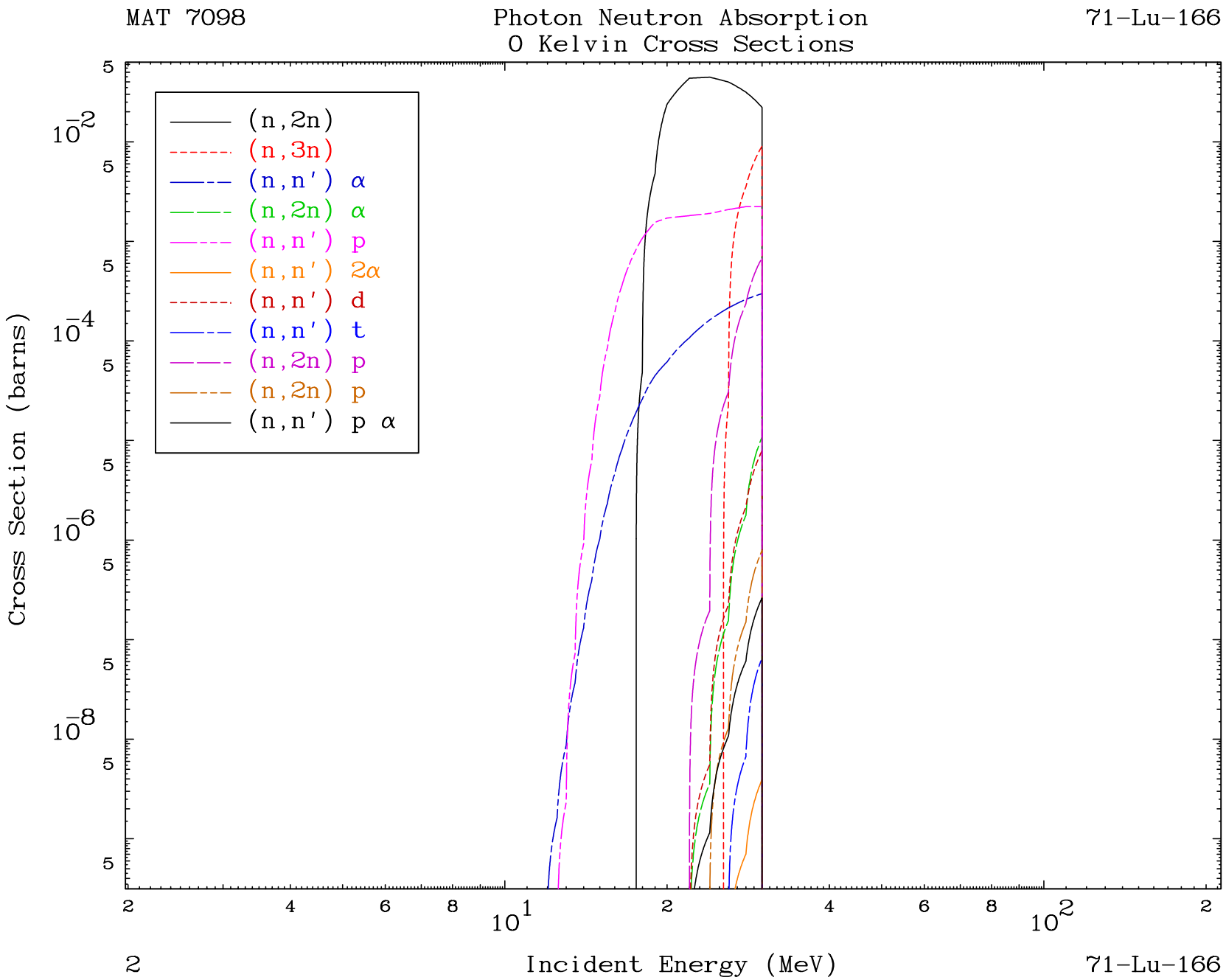
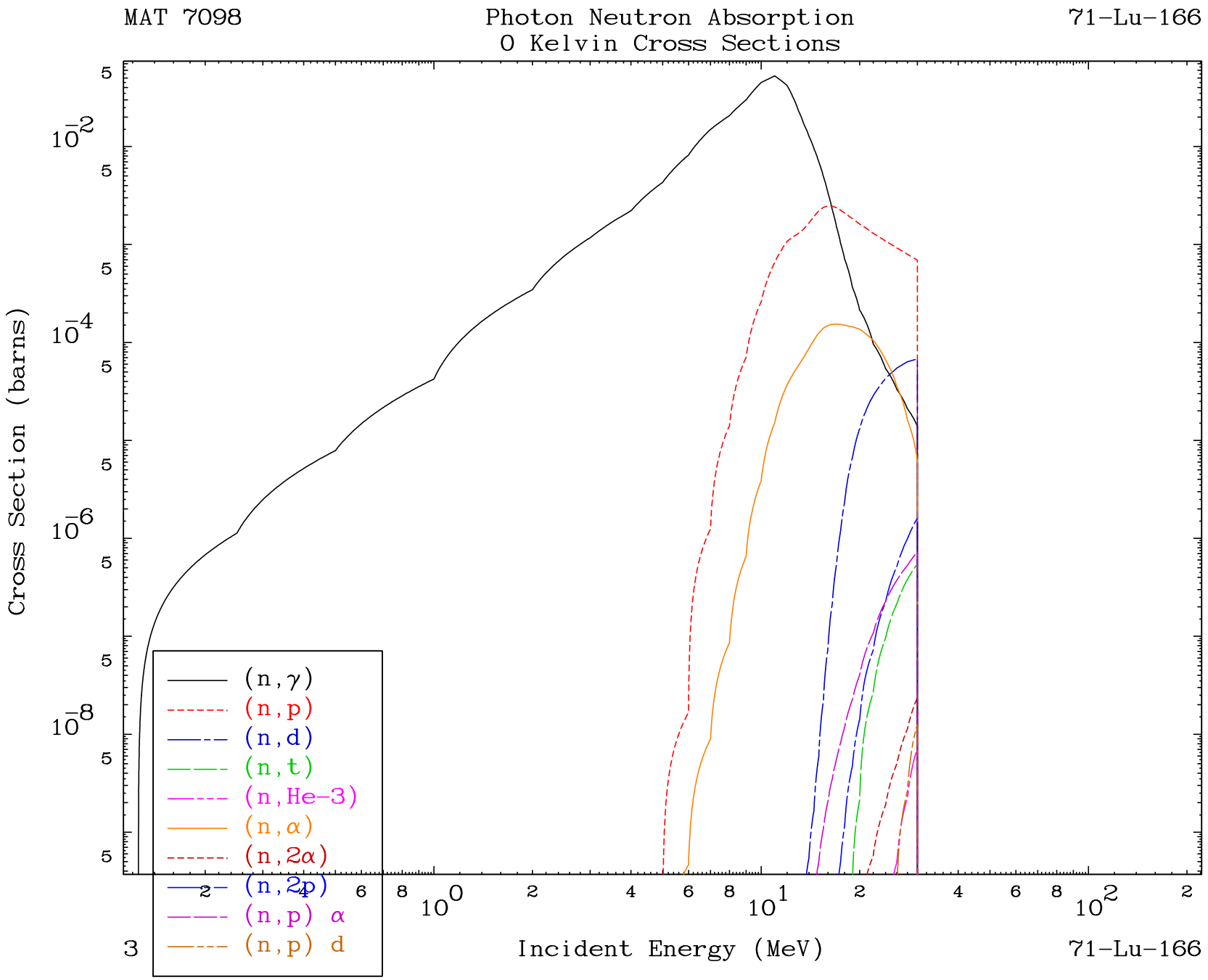
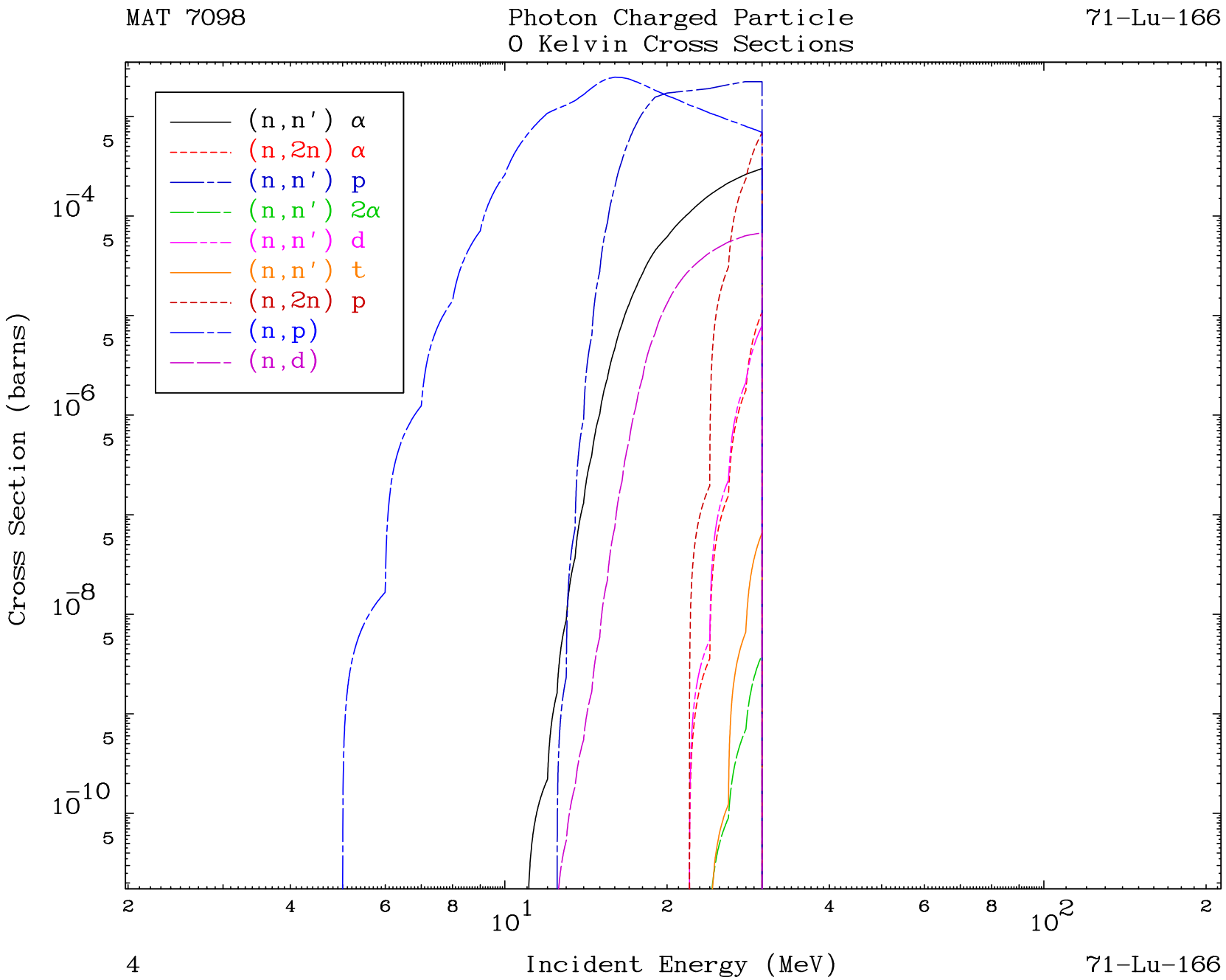
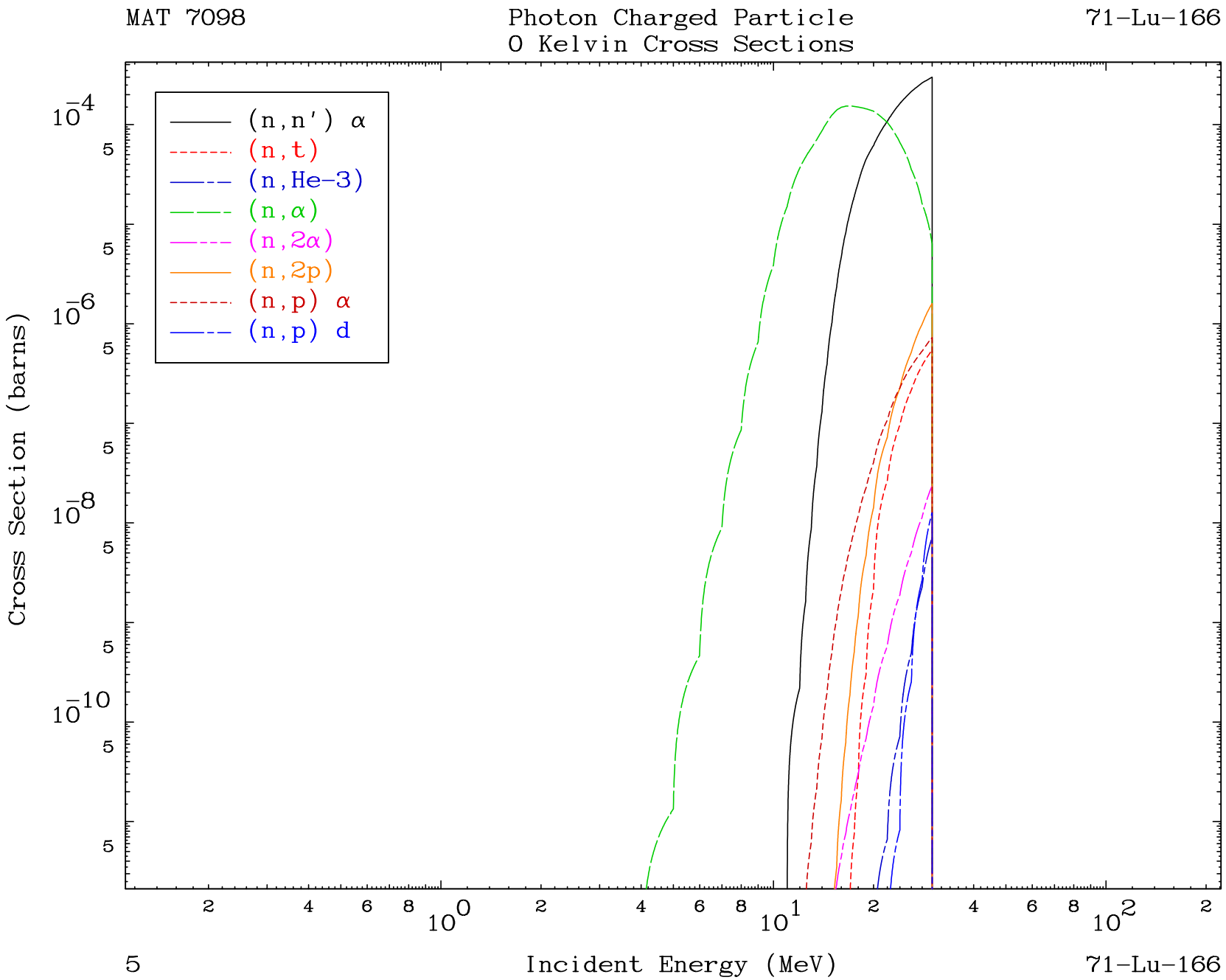
Press Mouse Button to Start

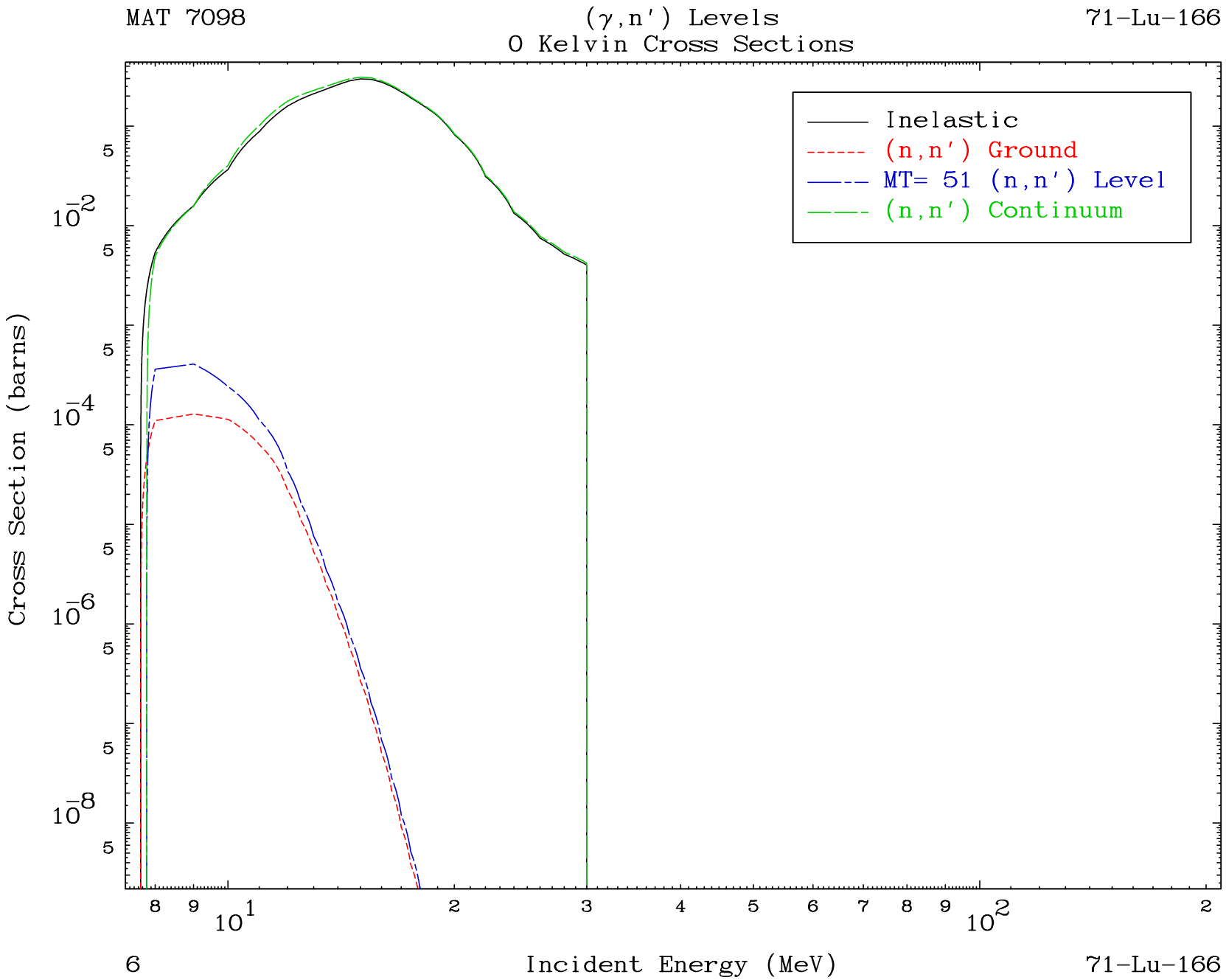

MAT 7098
Photon Major
71-Lu-166
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166
1

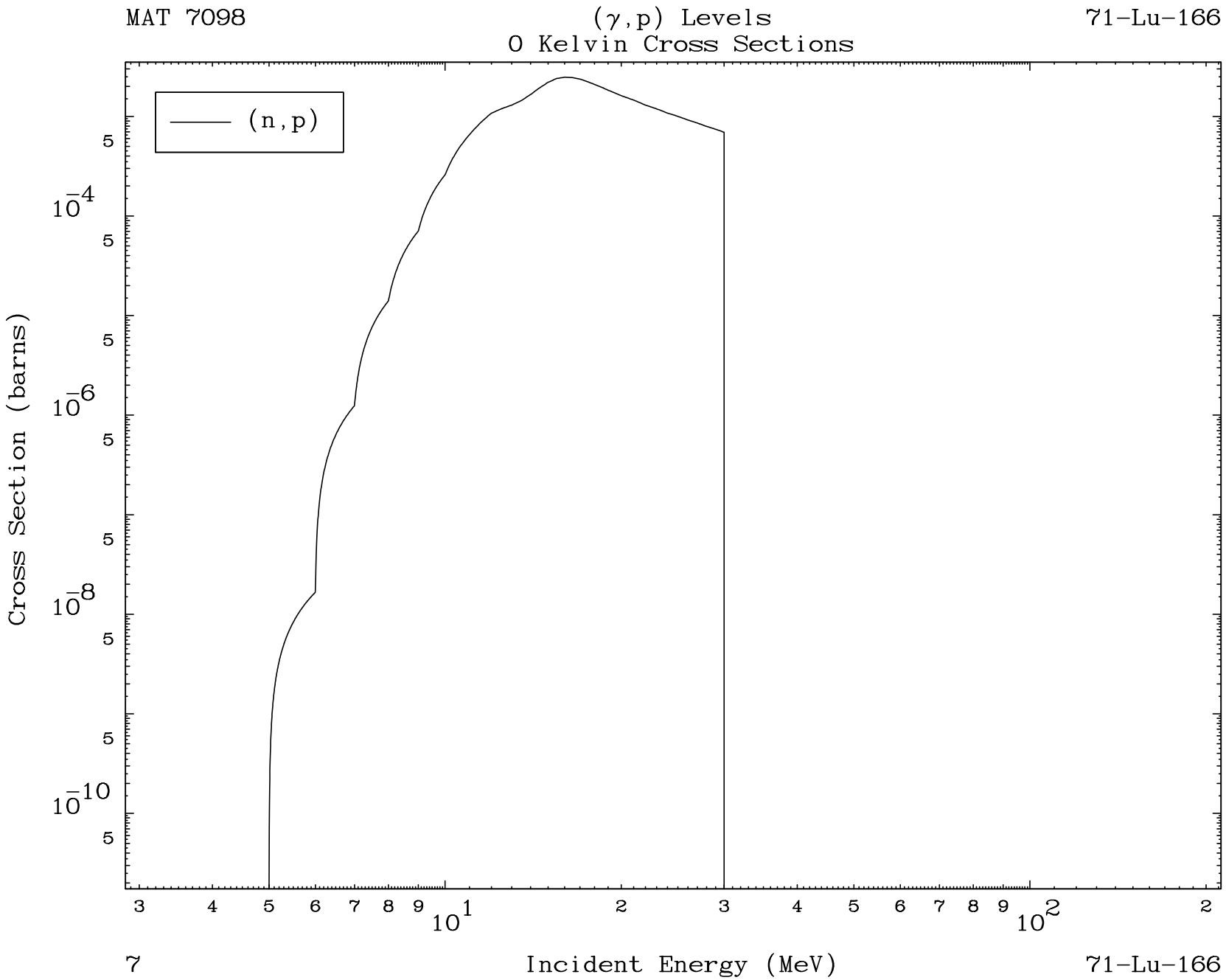

MAT 7098
Photon Neutron Absorption
0 Kelvin Cross Sections
71-Lu-166
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
(n,n') p α
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166

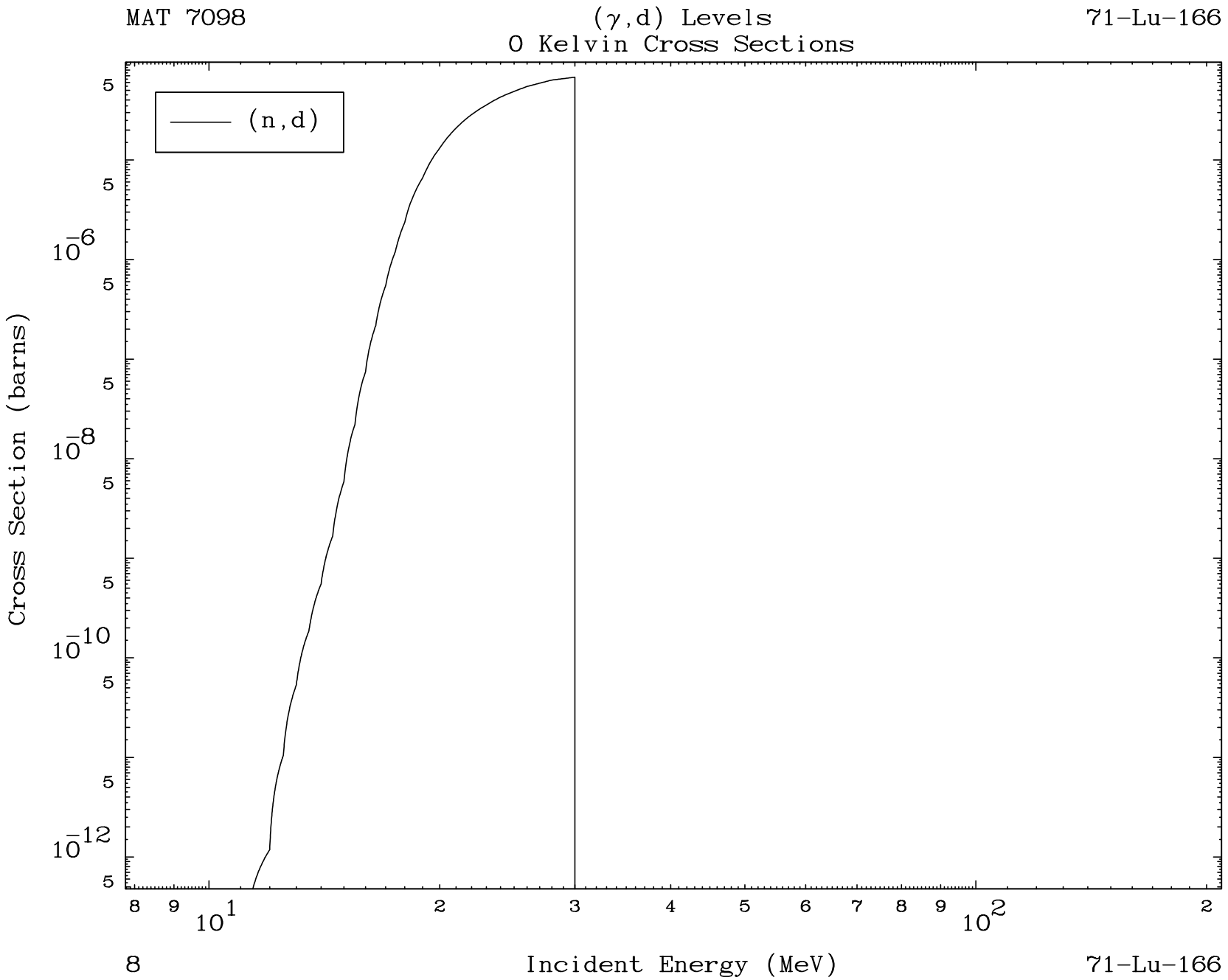

MAT 7098
Photon Neutron Absorption
0 Kelvin Cross Sections
71-Lu-166
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d

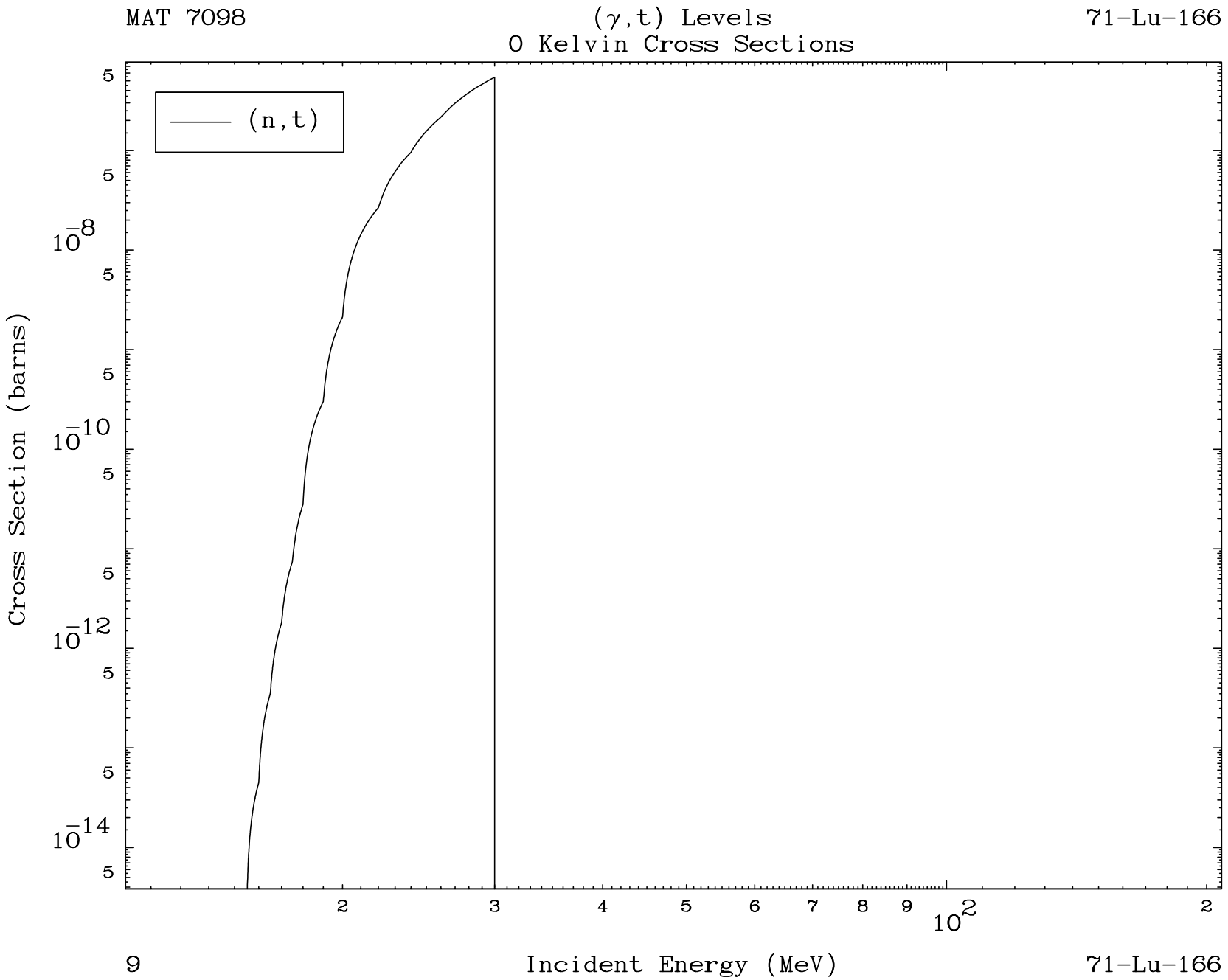

MAT 7098
Photon Charged Particle
0 Kelvin Cross Sections
71-Lu-166
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
71-Lu-166

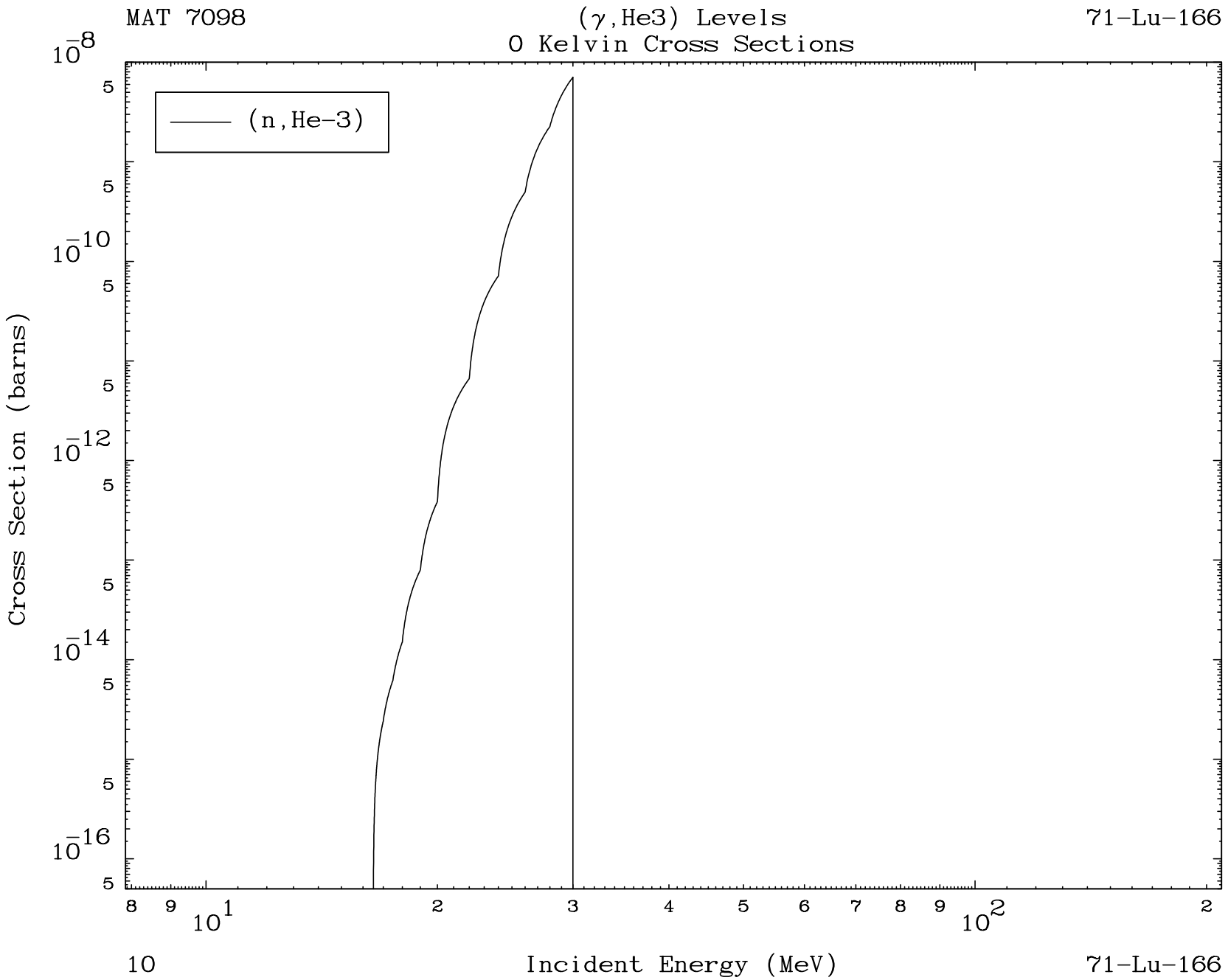

MAT 7098
Photon Charged Particle
0 Kelvin Cross Sections
71-Lu-166
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
71-Lu-166
5

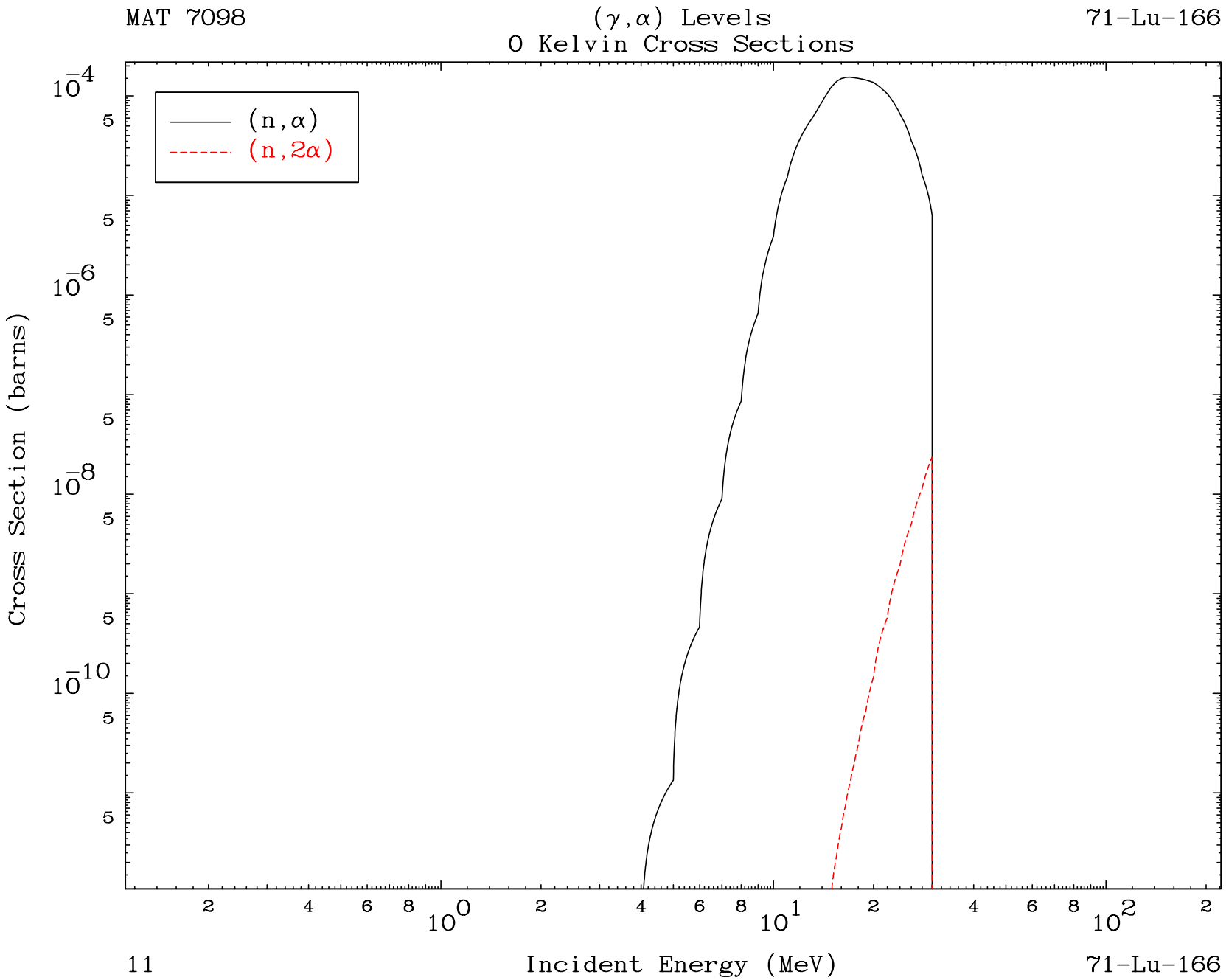

MAT 7098
(γ,n') Levels
0 Kelvin Cross Sections
71-Lu-166
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
71-Lu-166

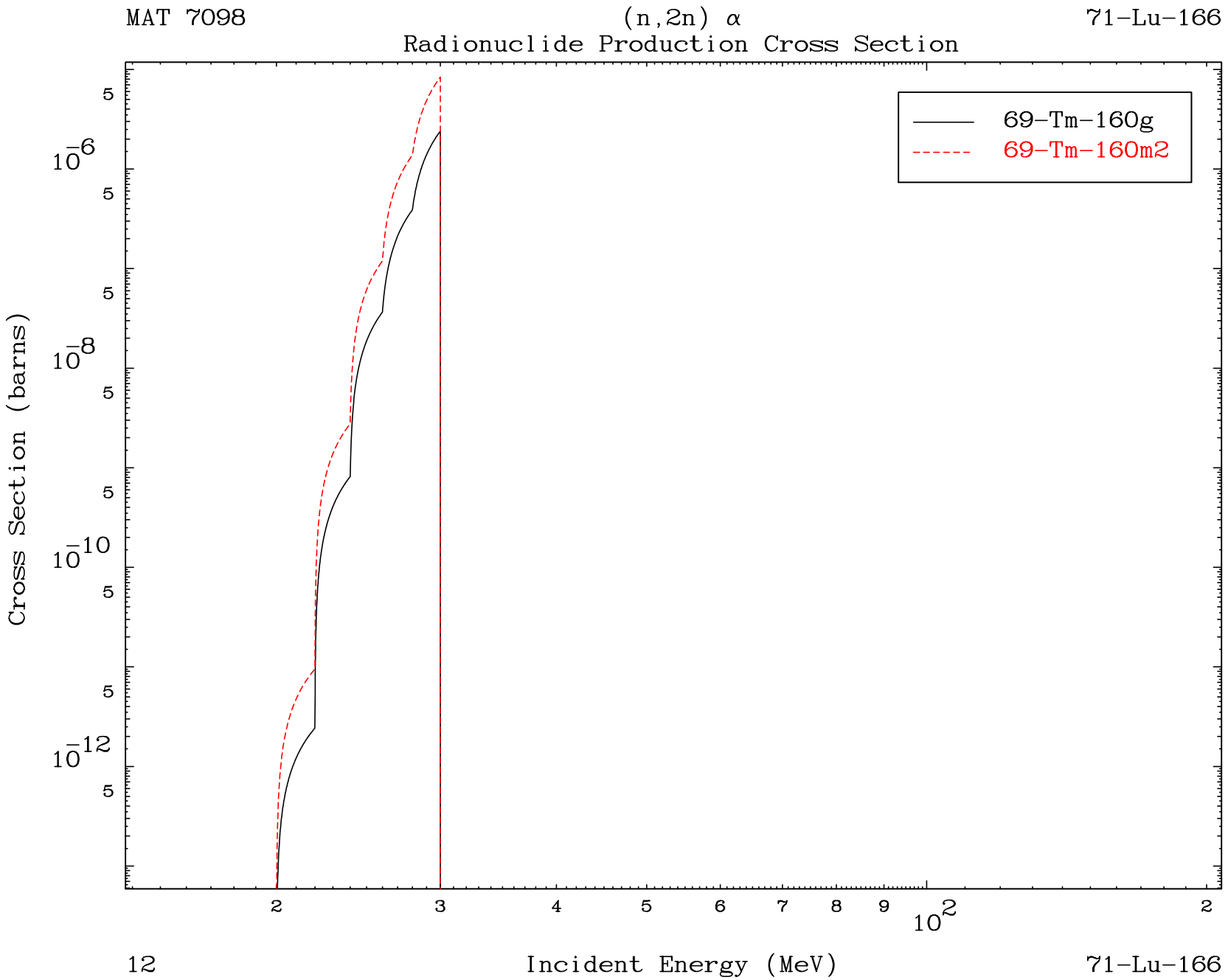

MAT 7098
(γ,p) Levels
71-Lu-166
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
7
71-Lu-166

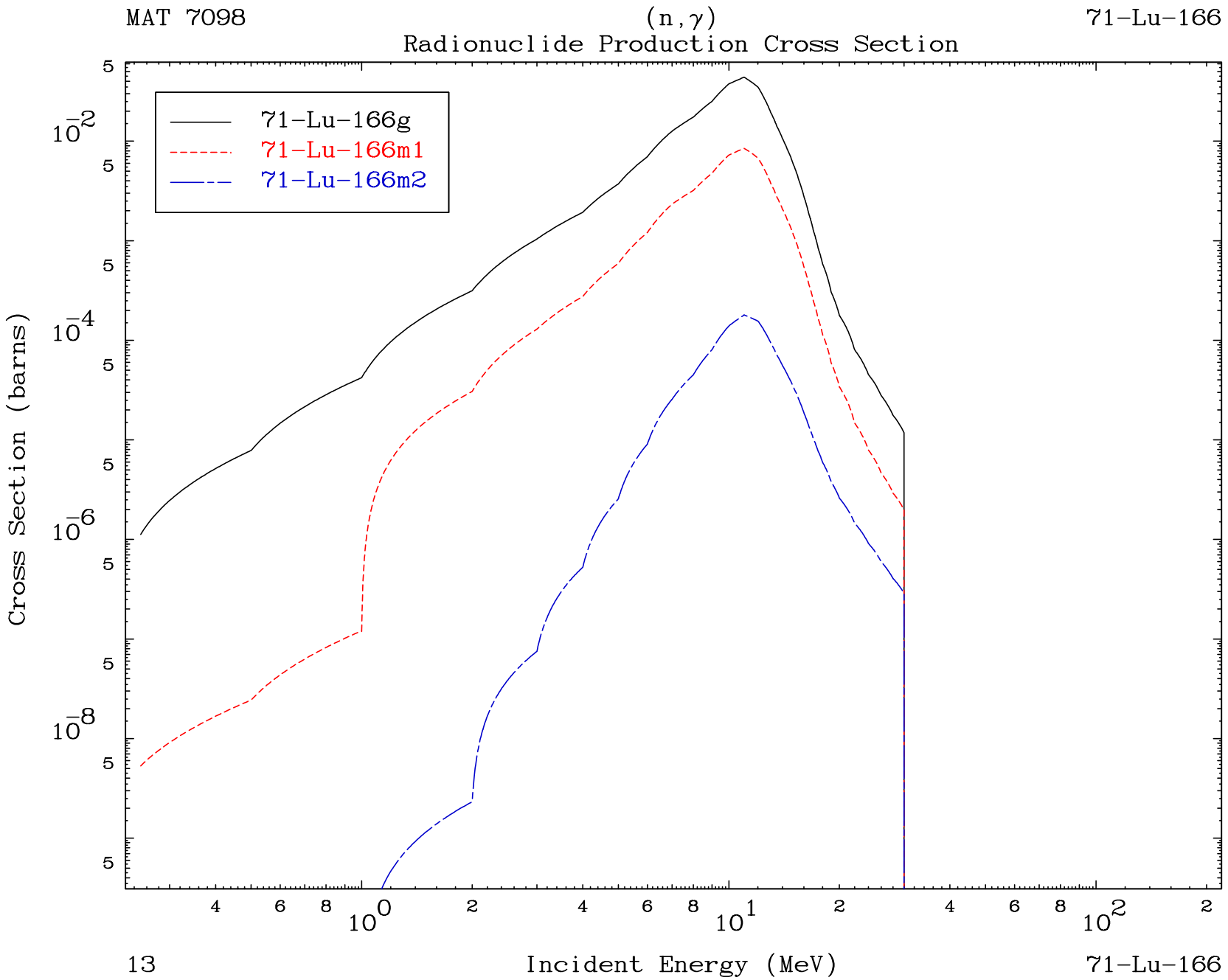

MAT 7098
(γ,d) Levels
71-Lu-166
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166
8

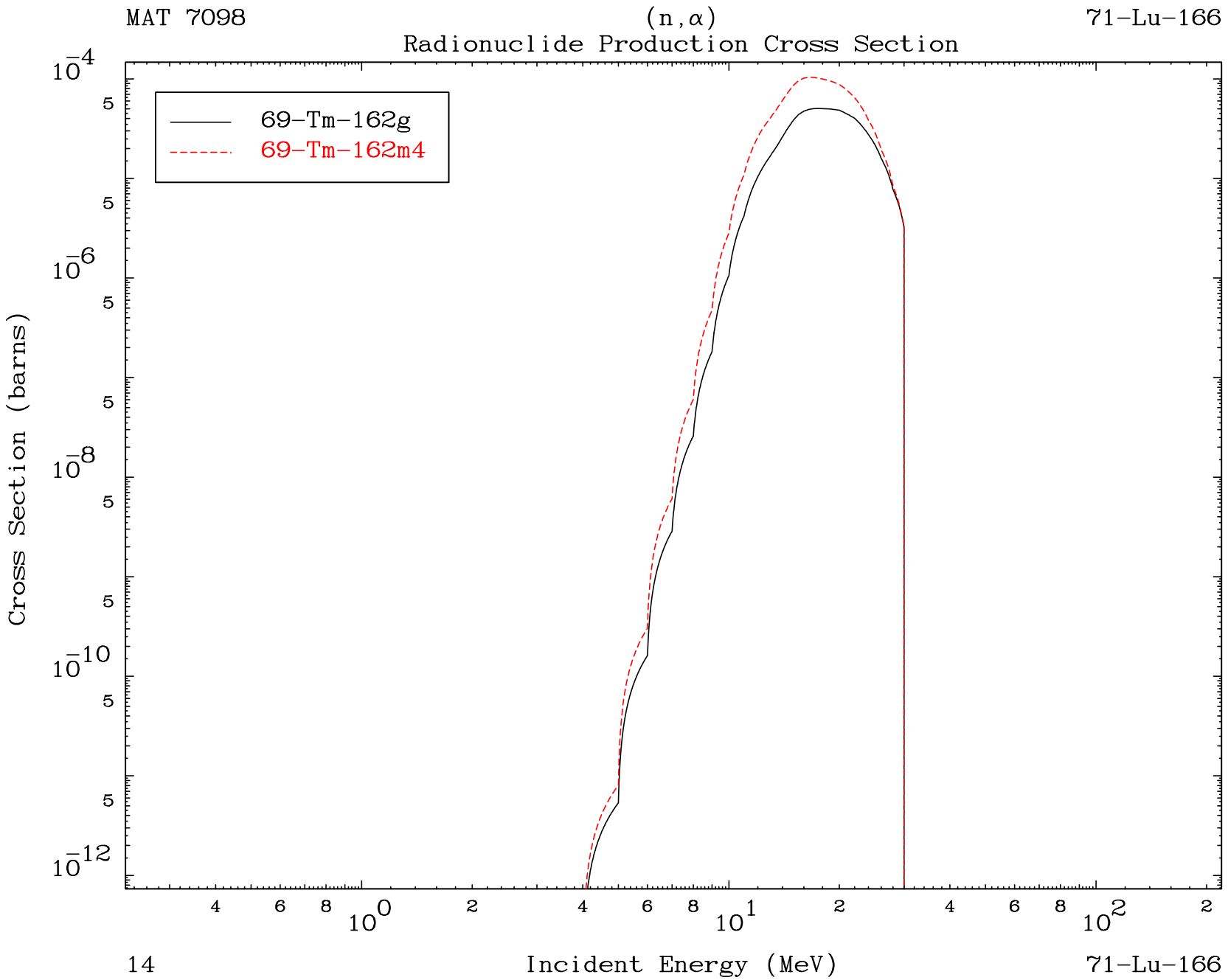

MAT 7098
(γ,t) Levels
71-Lu-166
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
71-Lu-166

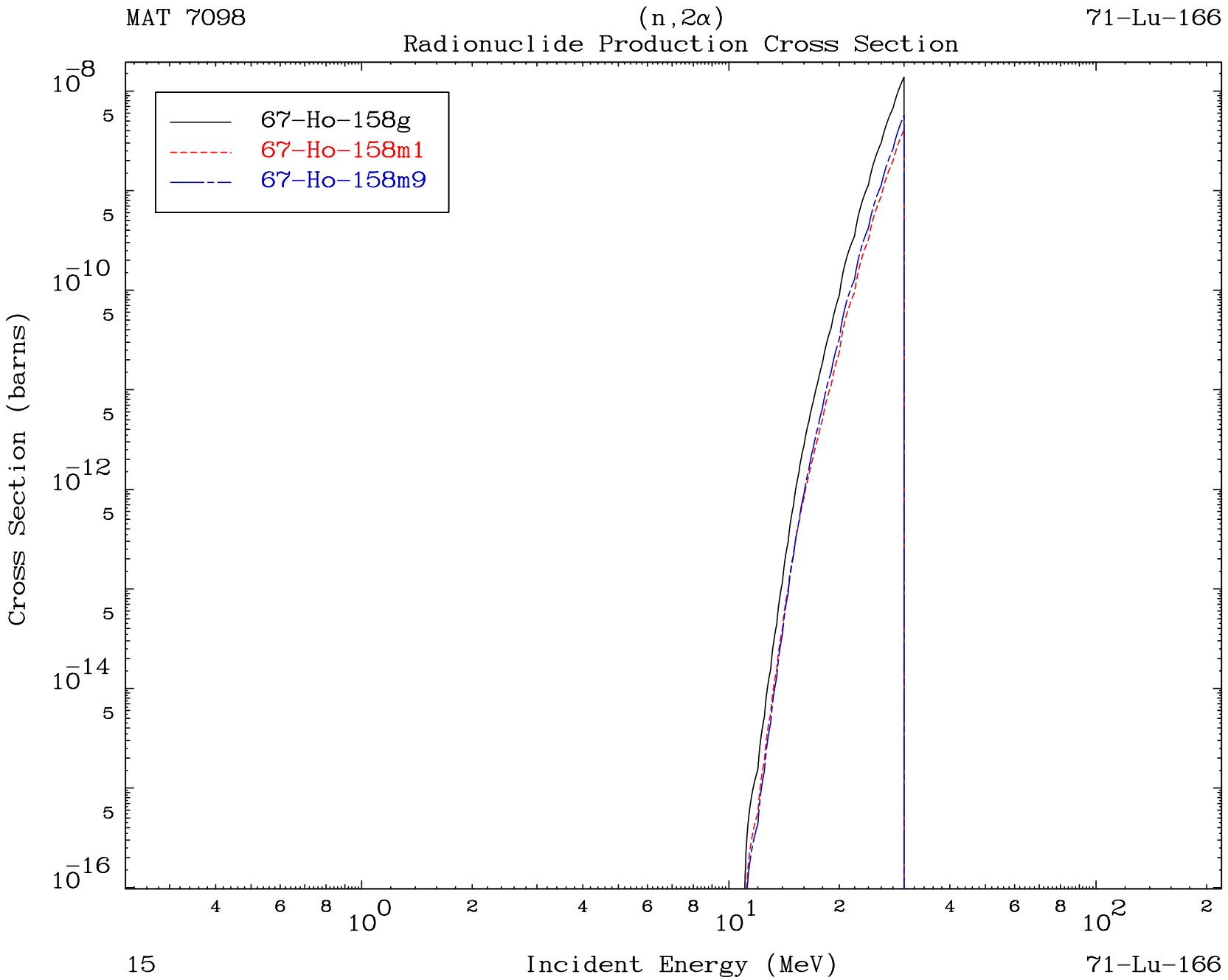

MAT 7098
(γ,He3) Levels
71-Lu-166
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166

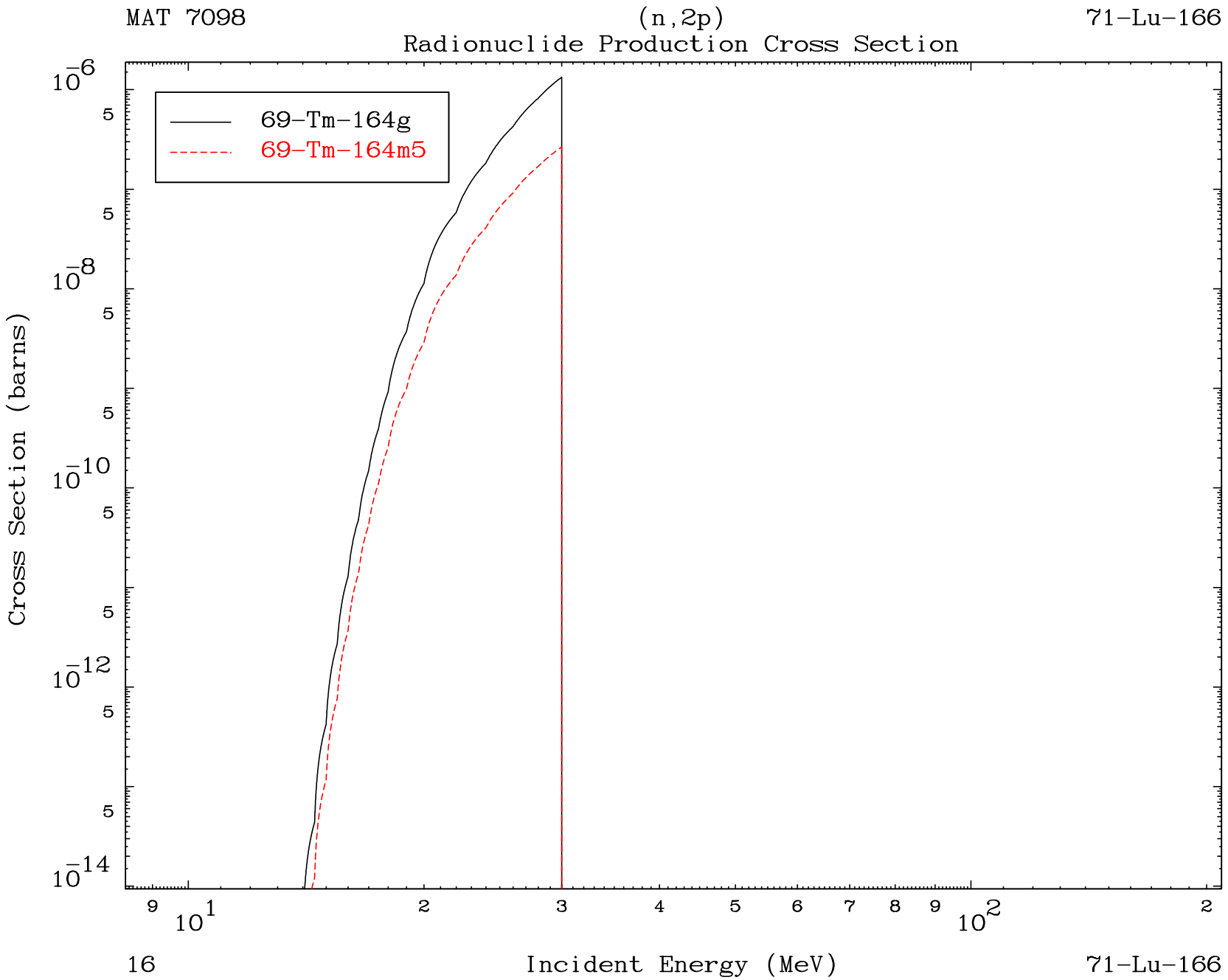

MAT 7098
(γ,α) Levels
71-Lu-166
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
71-Lu-166


MAT 7098
(n,2n) α
71-Lu-166
Radionuclide Production Cross Section
69-Tm-160g
69-Tm-160m2
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,γ)
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,α)
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,2α)
71-Lu-166
Radionuclide Production Cross Section
67-Ho-158g
67-Ho-158m1
67-Ho-158m9
Cross Section (barns)
Incident Energy (MeV)
15
71-Lu-166


MAT 7098
(n,2p)
71-Lu-166
Radionuclide Production Cross Section
69-Tm-164g
69-Tm-164m5
Cross Section (barns)
Incident Energy (MeV)
16
71-Lu-166