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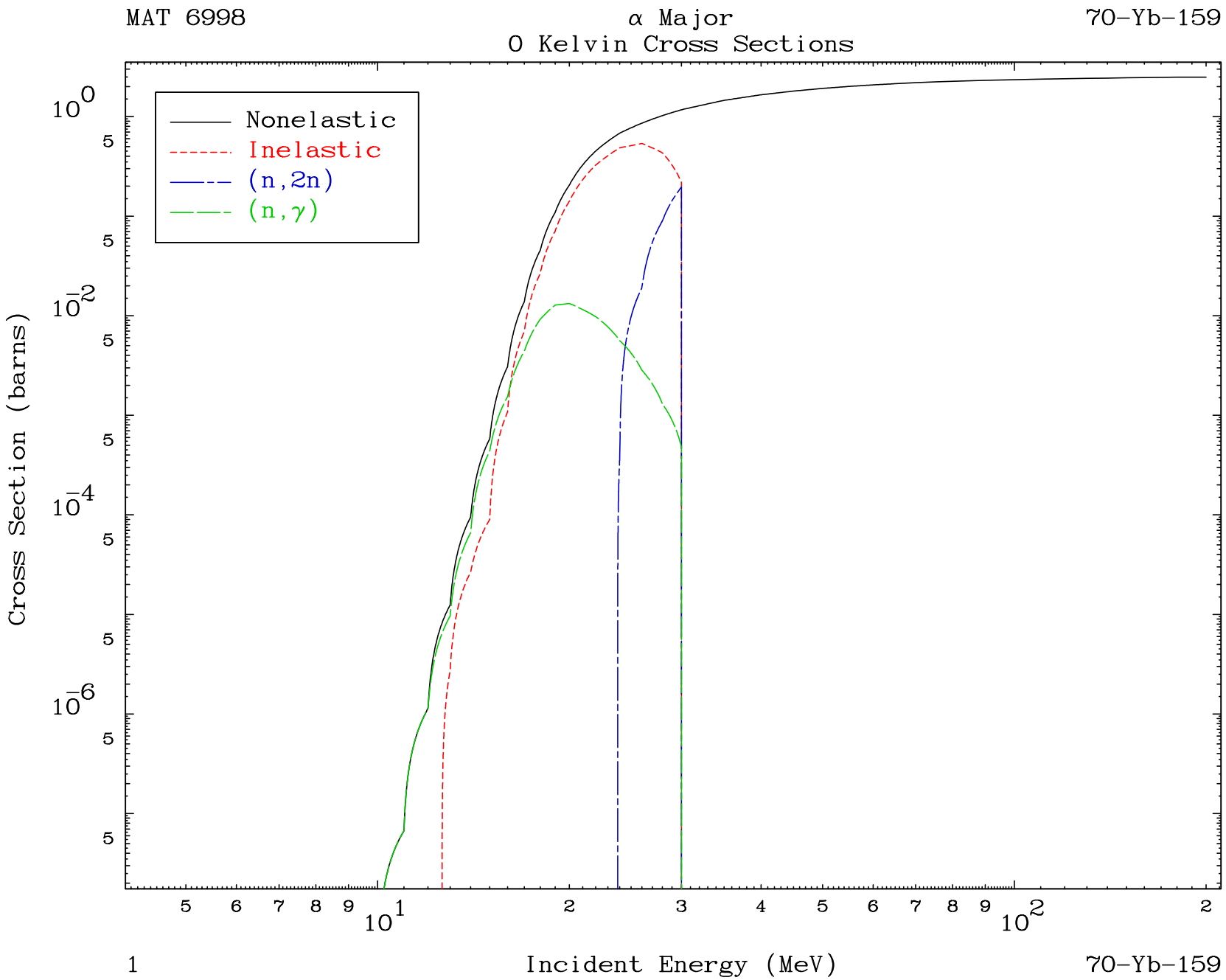
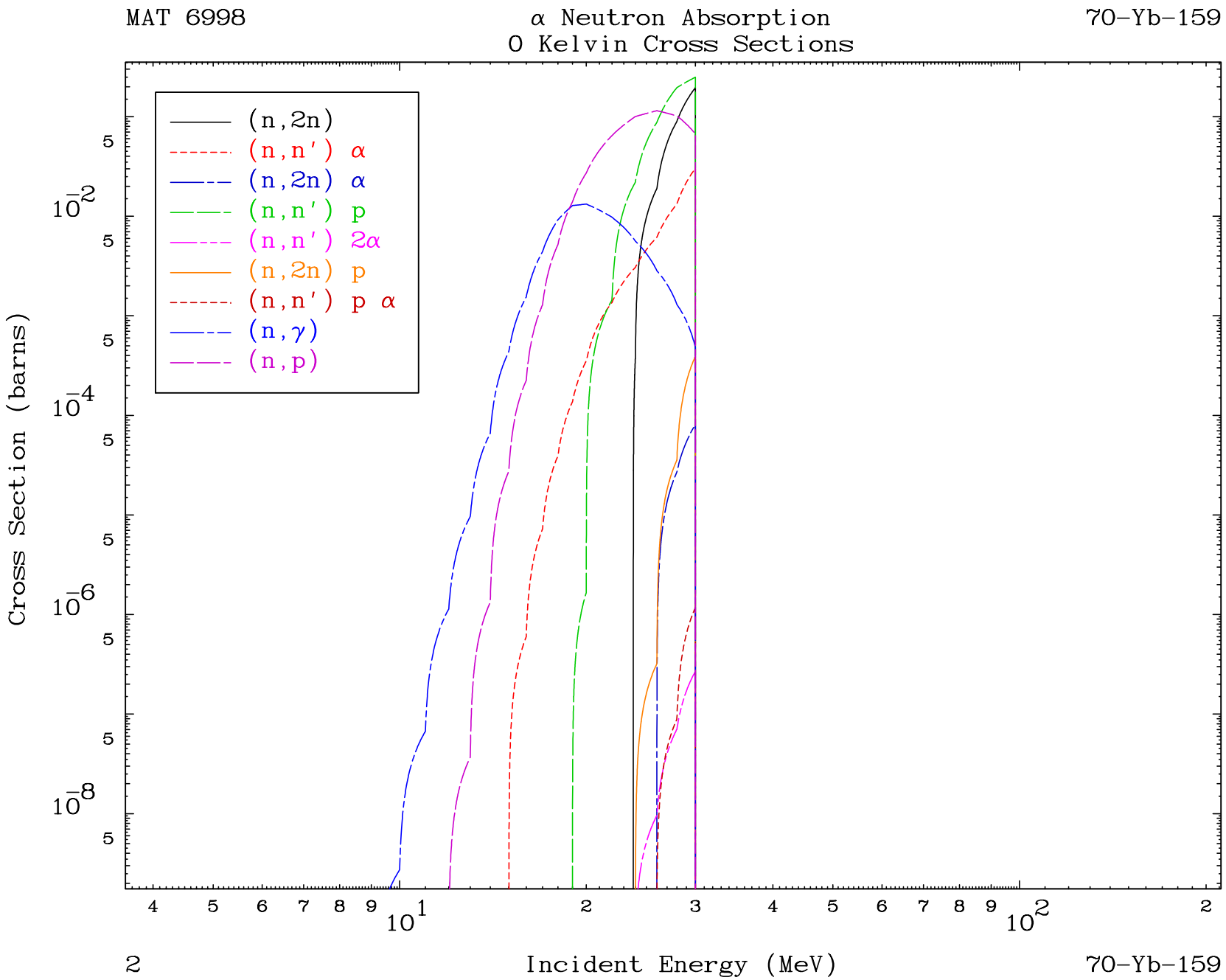
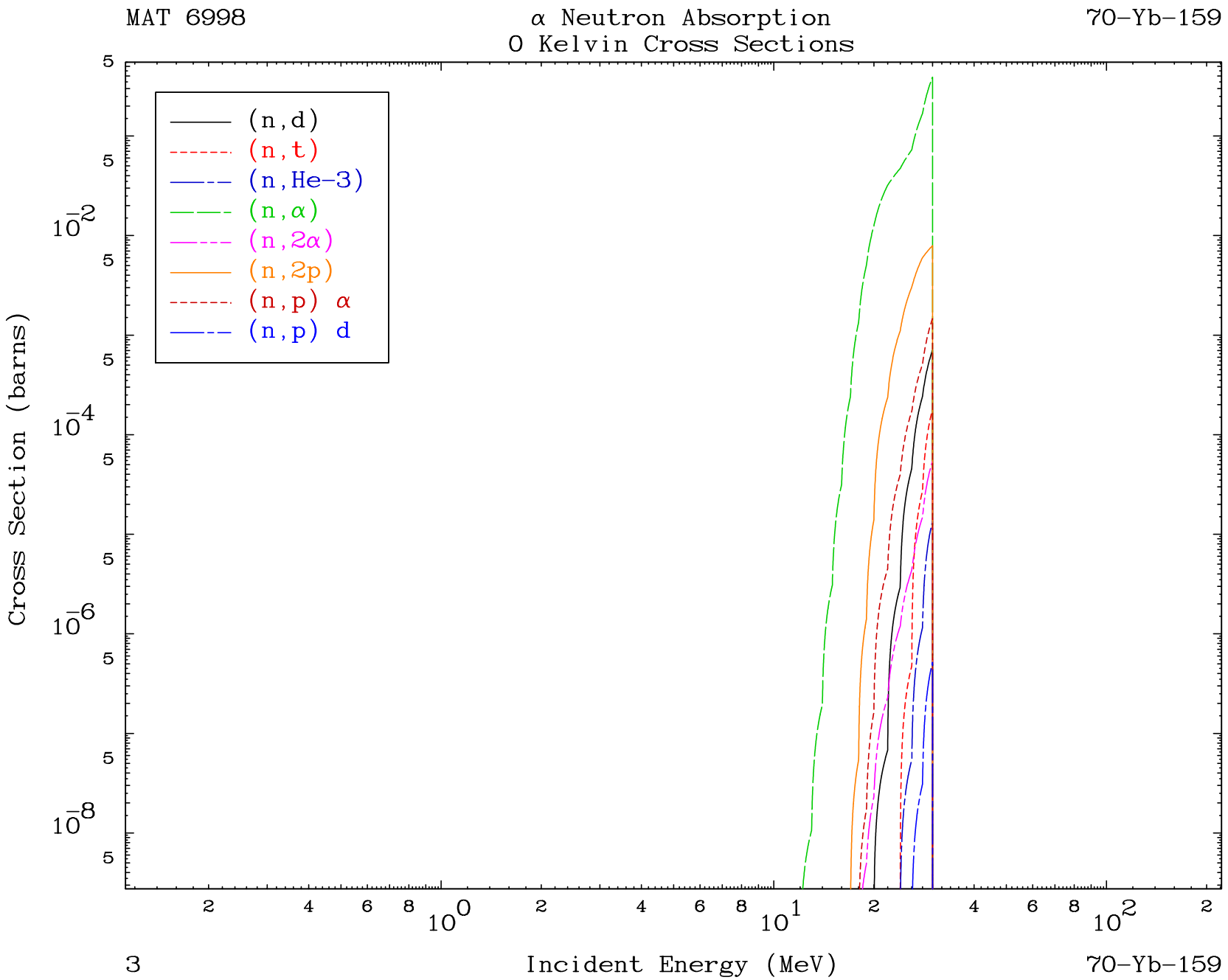
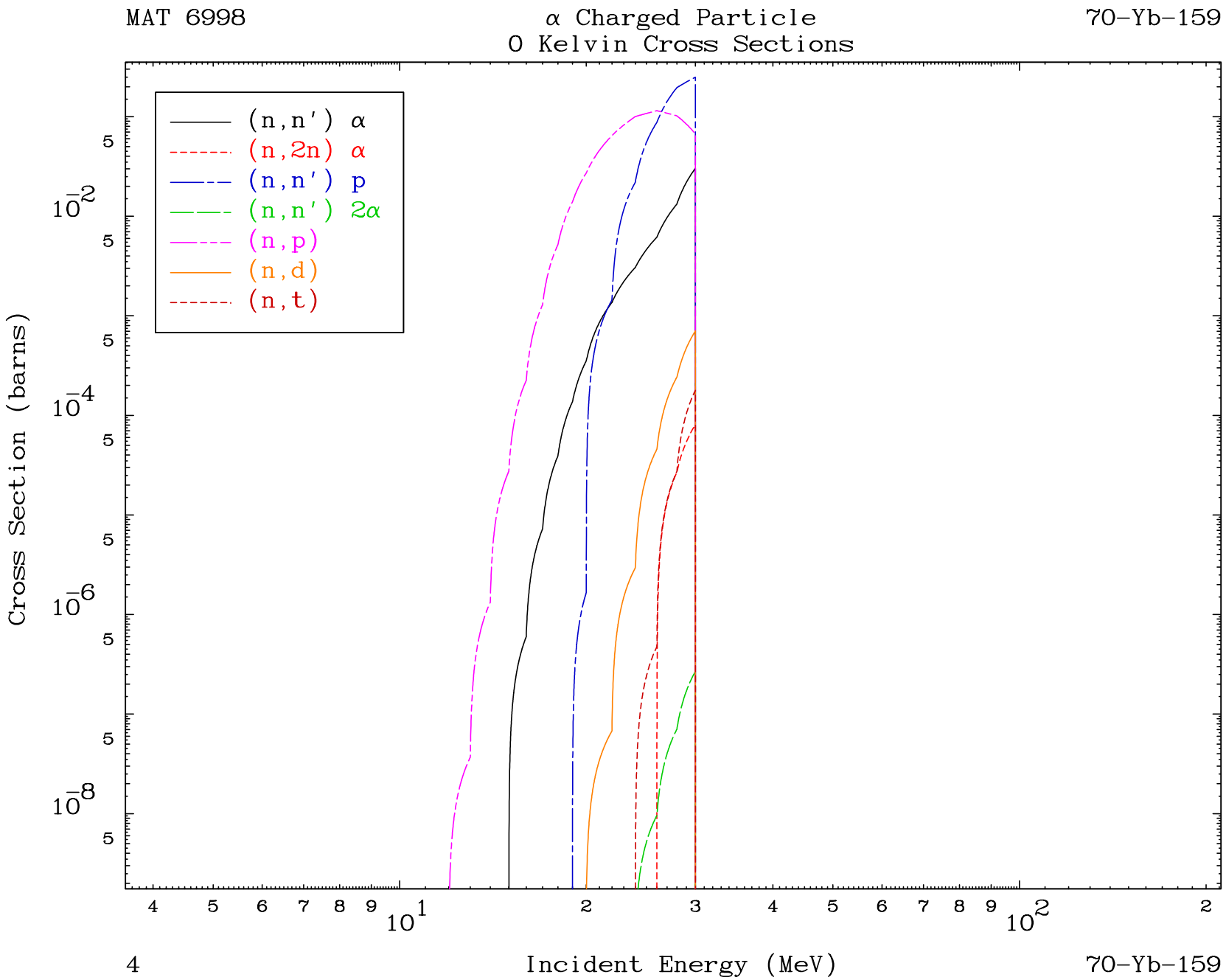
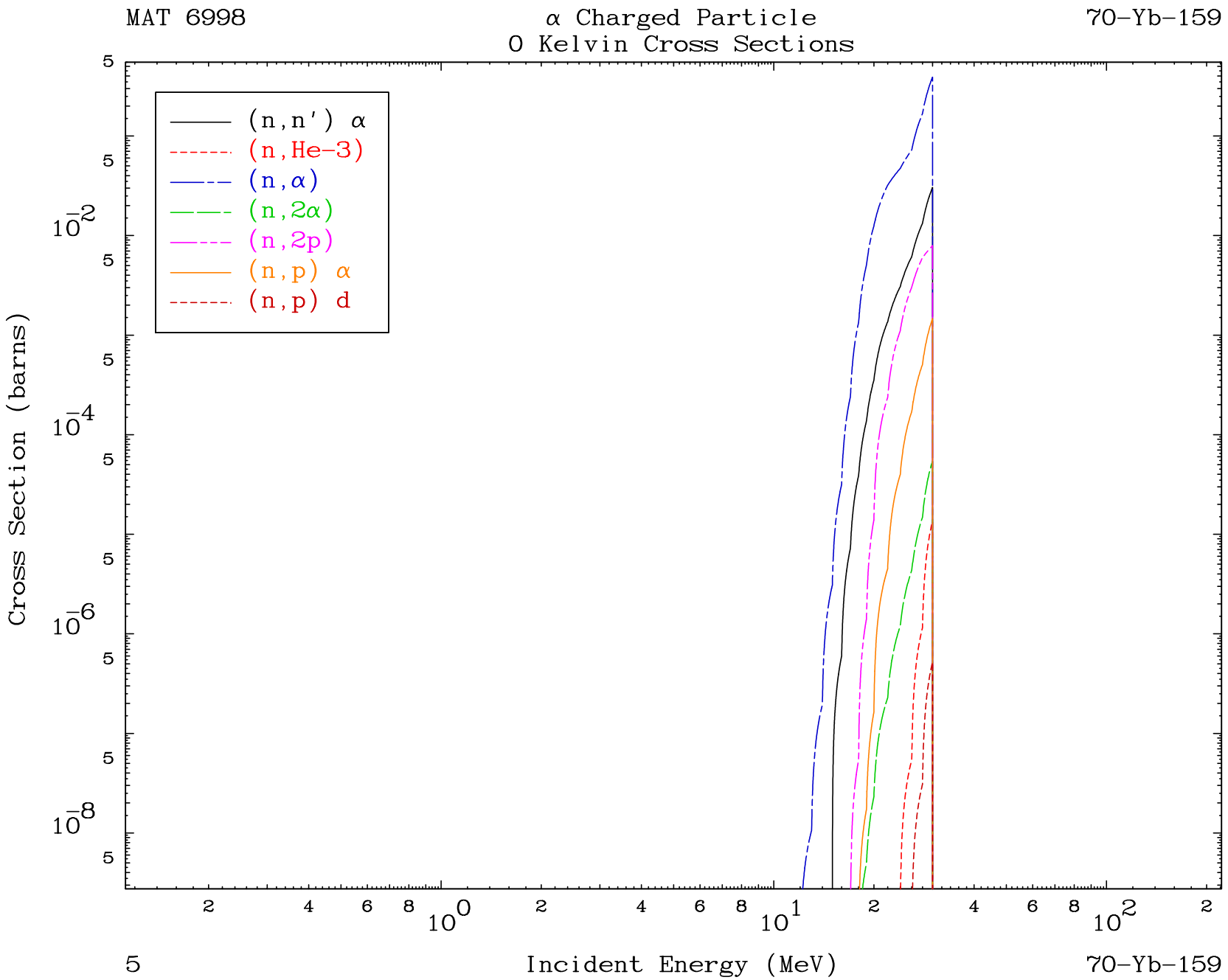
Press Mouse Button to Start

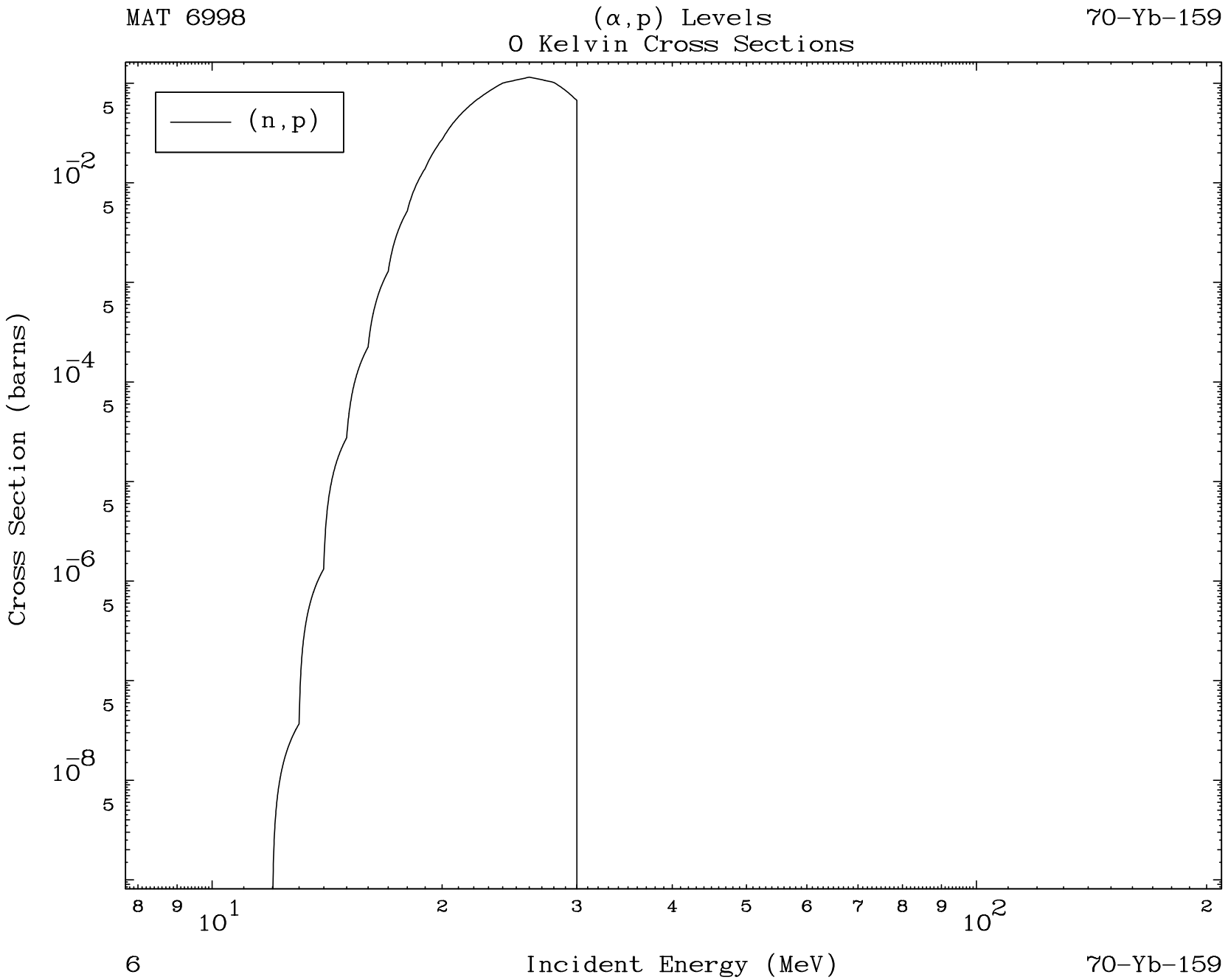

MAT 6998
α Major
70-Yb-159
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-159

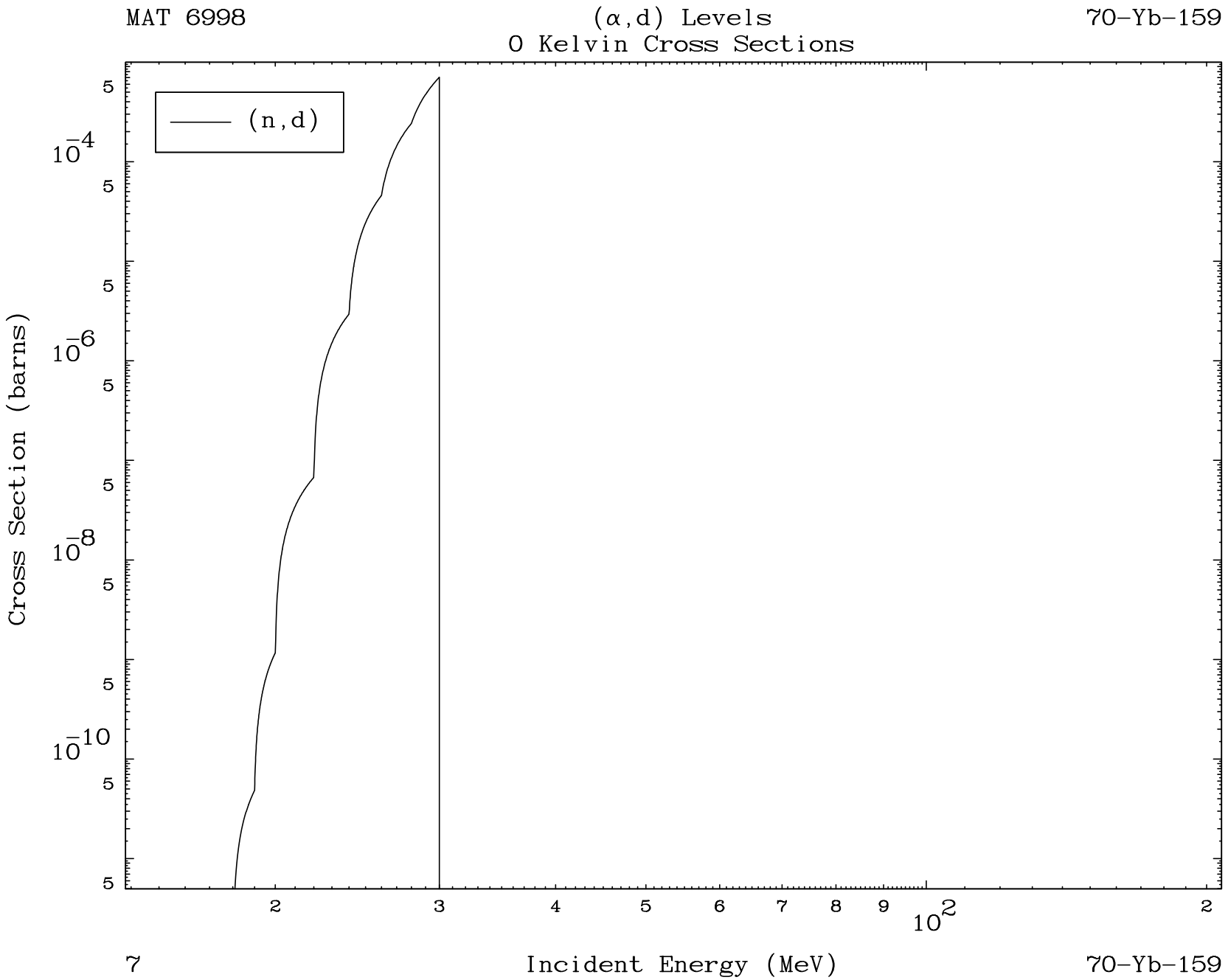

MAT 6998
α Neutron Absorption
0 Kelvin Cross Sections
70-Yb-159
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
2
70-Yb-159

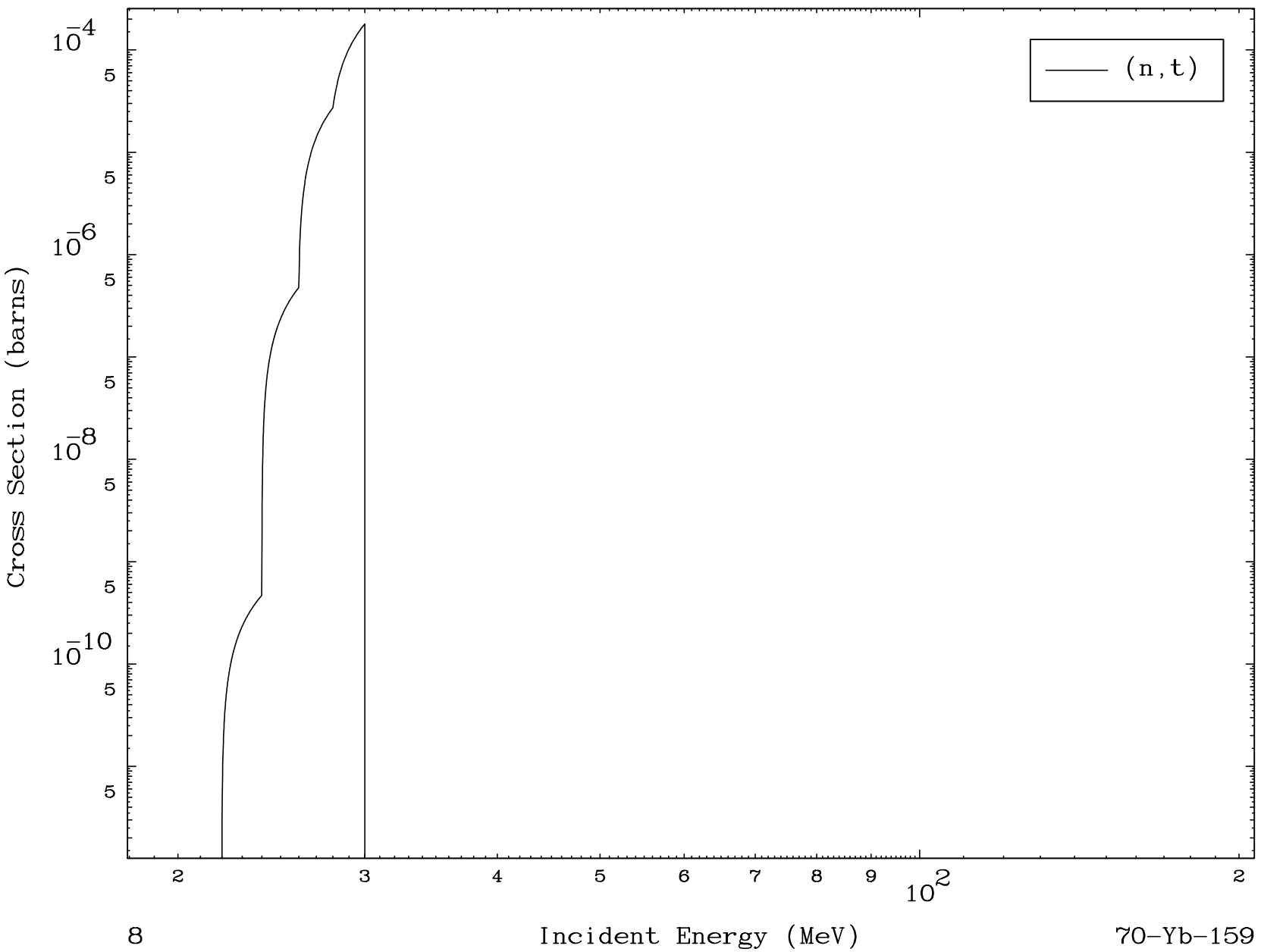

MAT 6998
α Neutron Absorption
0 Kelvin Cross Sections
70-Yb-159
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
3
70-Yb-159

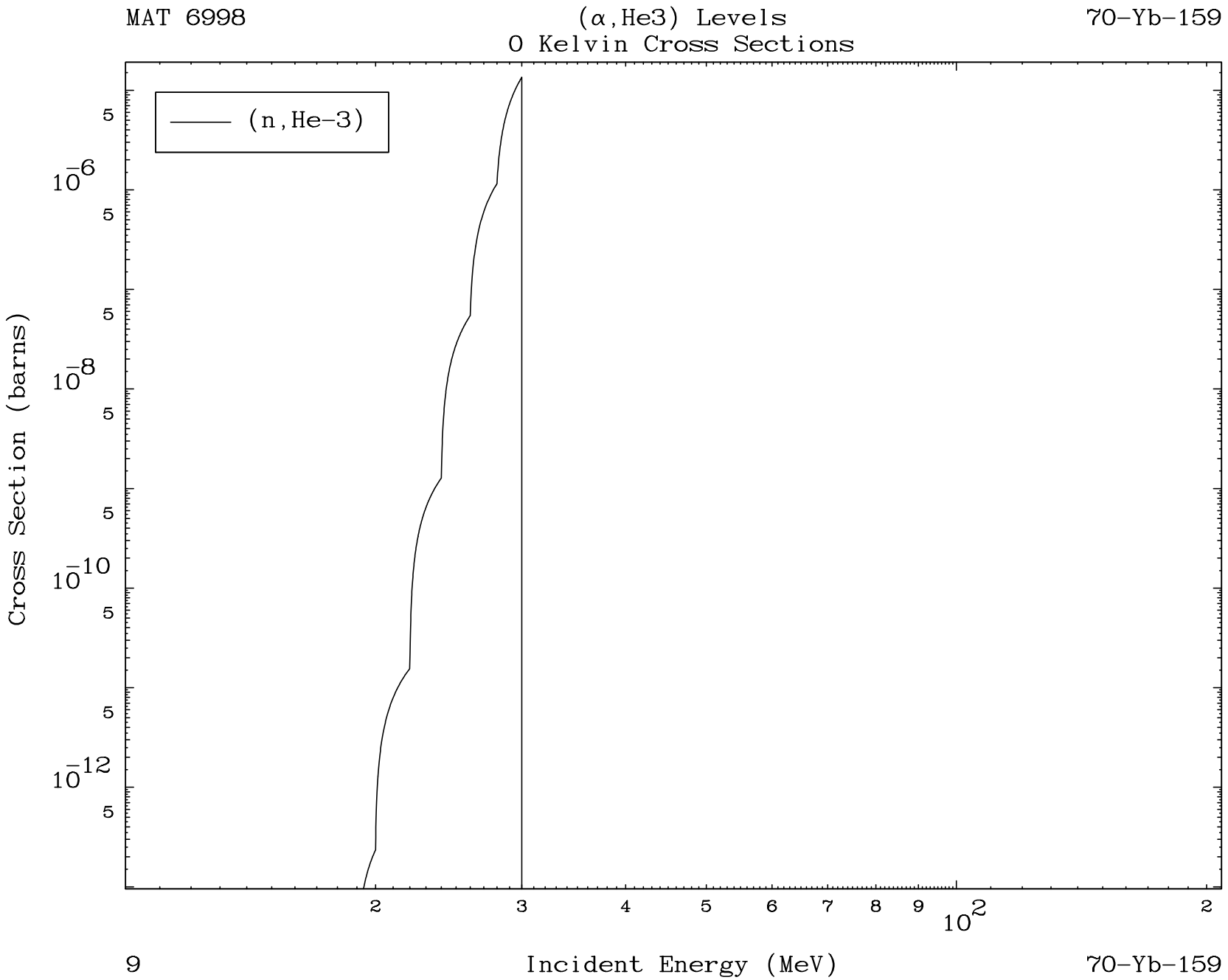

MAT 6998
α Charged Particle
0 Kelvin Cross Sections
70-Yb-159
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,p)
(n,d)
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
10 1
10 2
Incident Energy (MeV)
4
70-Yb-159

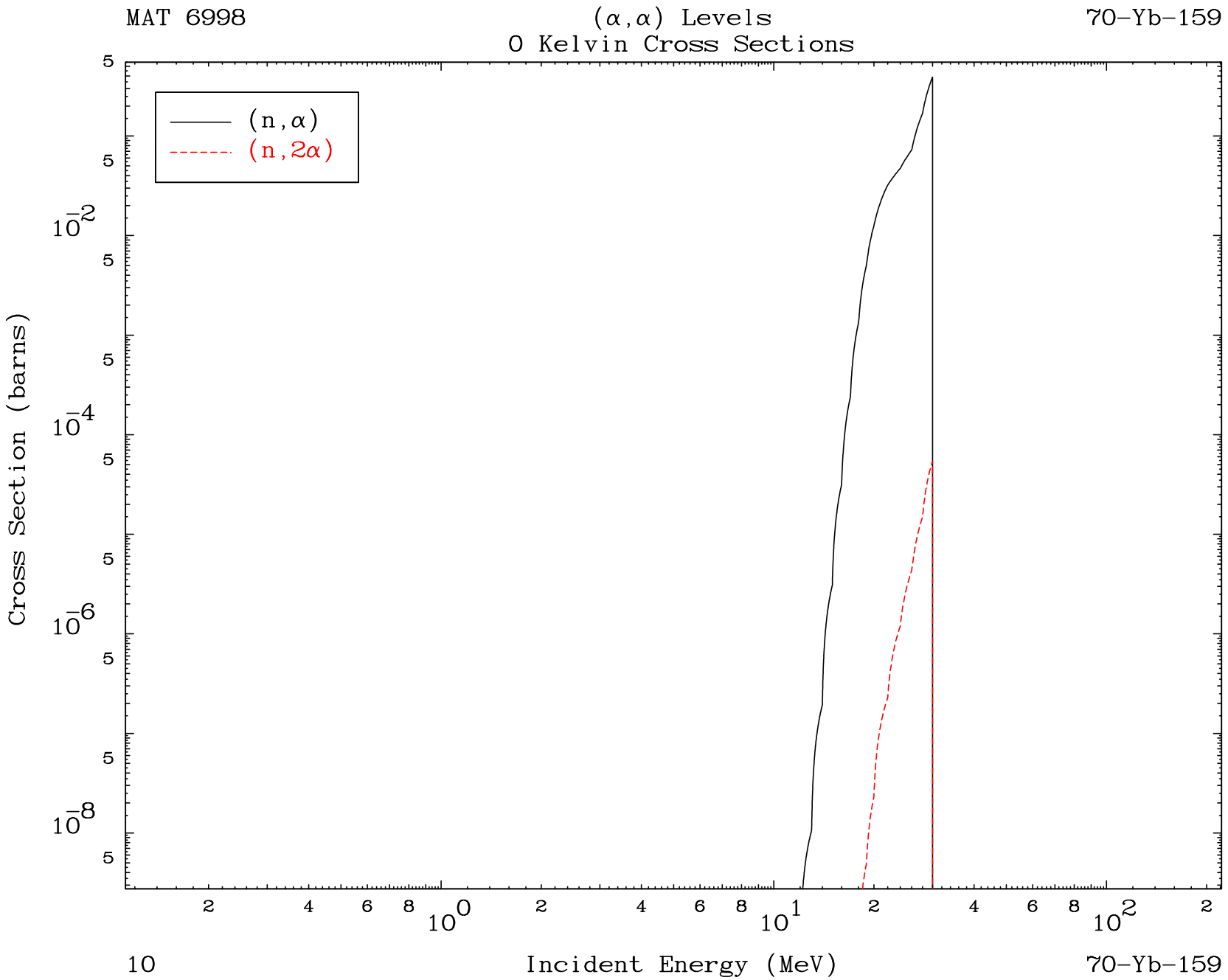

MAT 6998
α Charged Particle
0 Kelvin Cross Sections
70-Yb-159
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
70-Yb-159

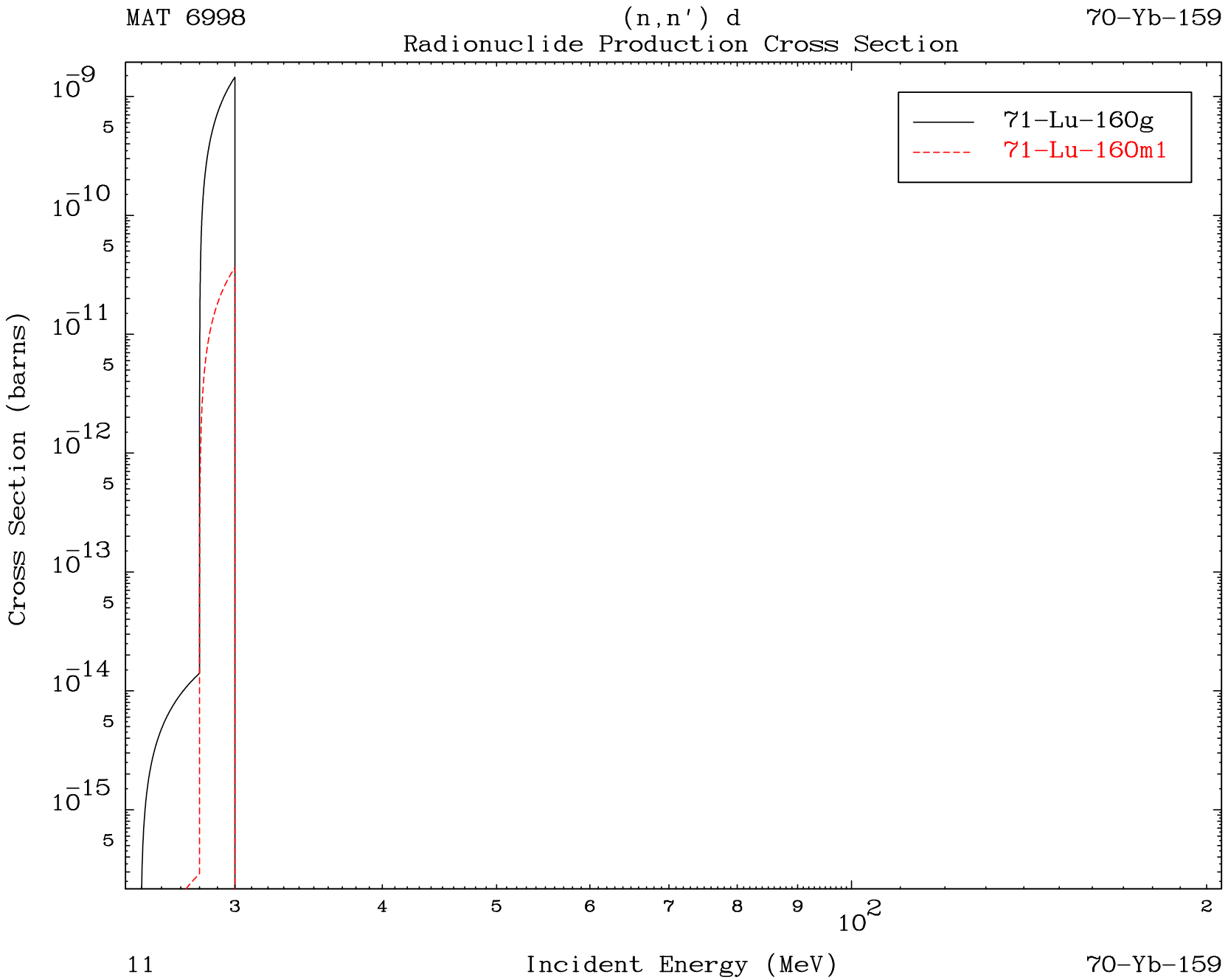

MAT 6998
(α,p) Levels
70-Yb-159
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
70-Yb-159

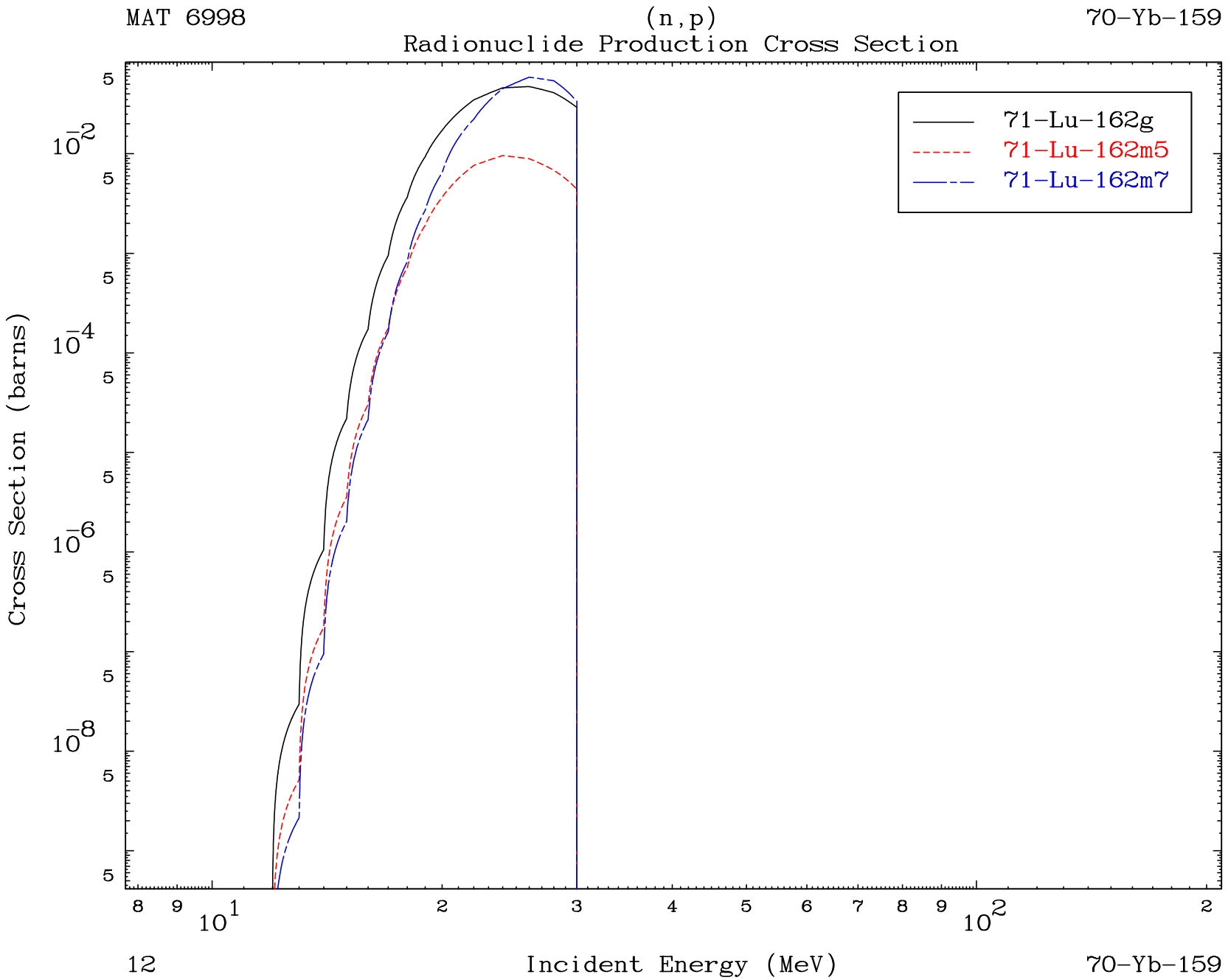

MAT 6998
(α,d) Levels
70-Yb-159
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
7
70-Yb-159

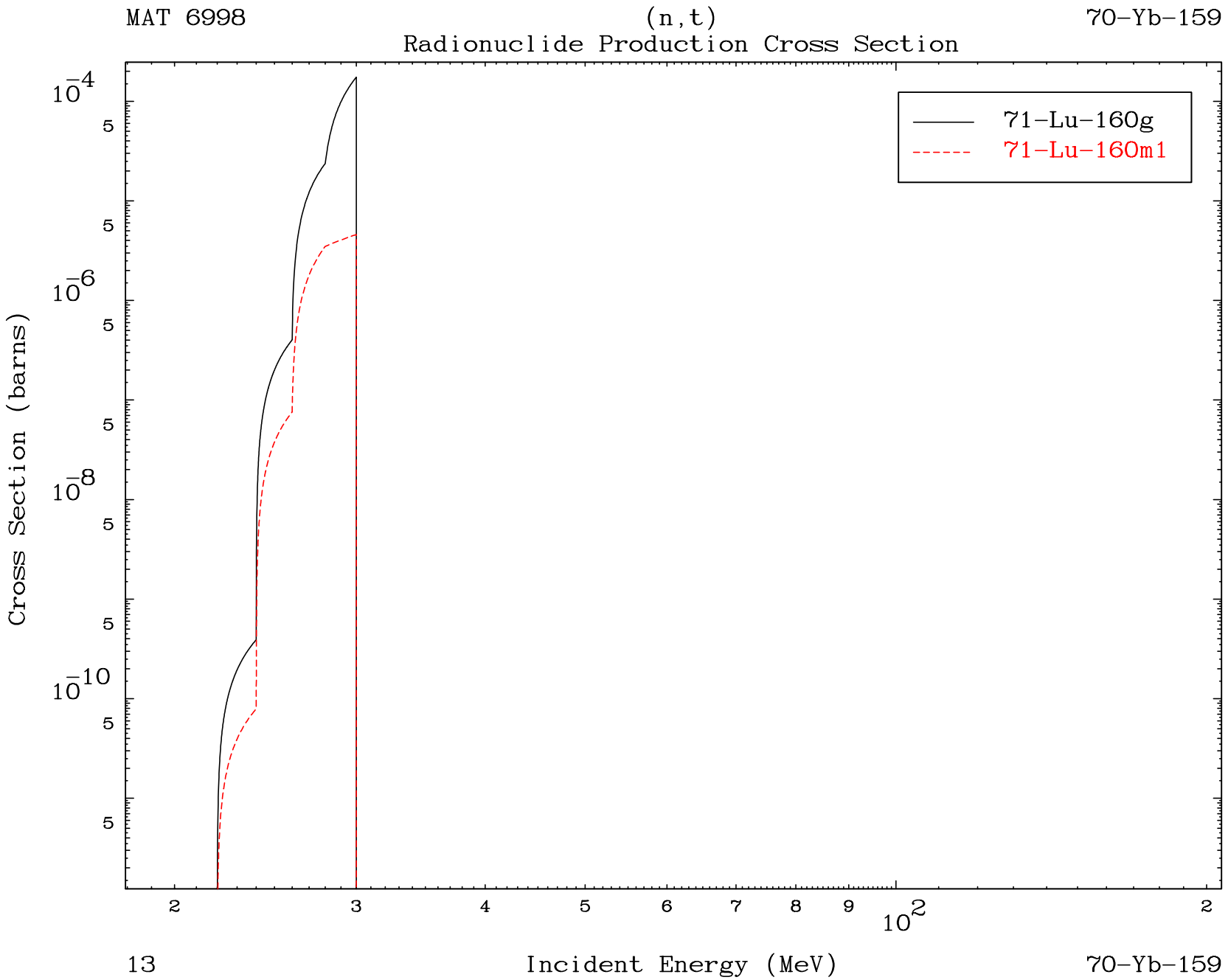

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
5
2
3
4
5
6
7
8
9
10 2
2
8
Incident Energy (MeV)
70-Yb-159


MAT 6998
(α,He3) Levels
70-Yb-159
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)
70-Yb-159


MAT 6998
(α,α) Levels
70-Yb-159
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-159


MAT 6998
(n,n') d
70-Yb-159
Radionuclide Production Cross Section
71-Lu-160g
71-Lu-160m1
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
10-15
5
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
70-Yb-159


MAT 6998
(n,p)
70-Yb-159
Radionuclide Production Cross Section
71-Lu-162g
71-Lu-162m5
71-Lu-162m7
Cross Section (barns)
Incident Energy (MeV)
12
70-Yb-159


MAT 6998
(n,t)
70-Yb-159
Radionuclide Production Cross Section
71-Lu-160g
71-Lu-160m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
13
70-Yb-159