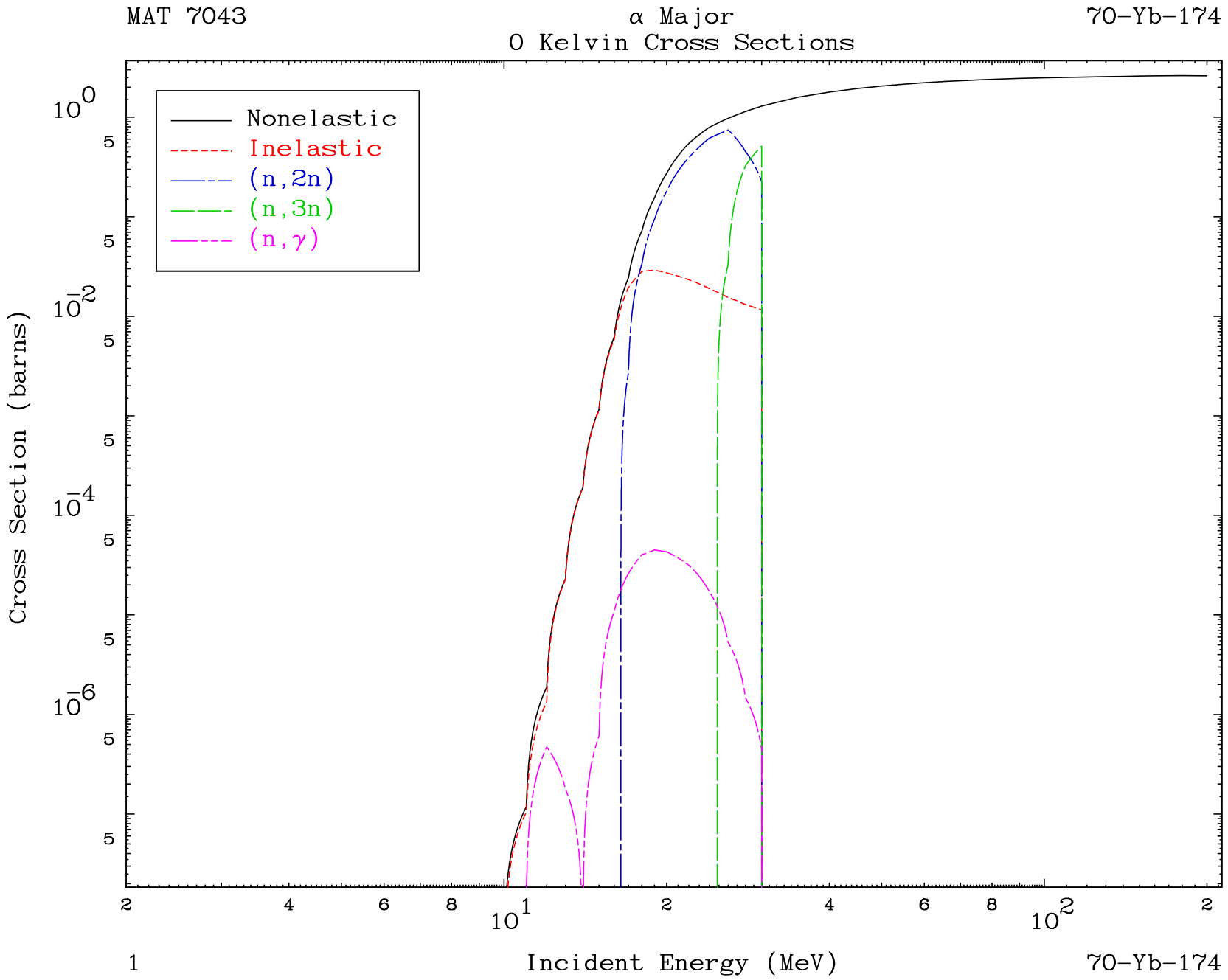
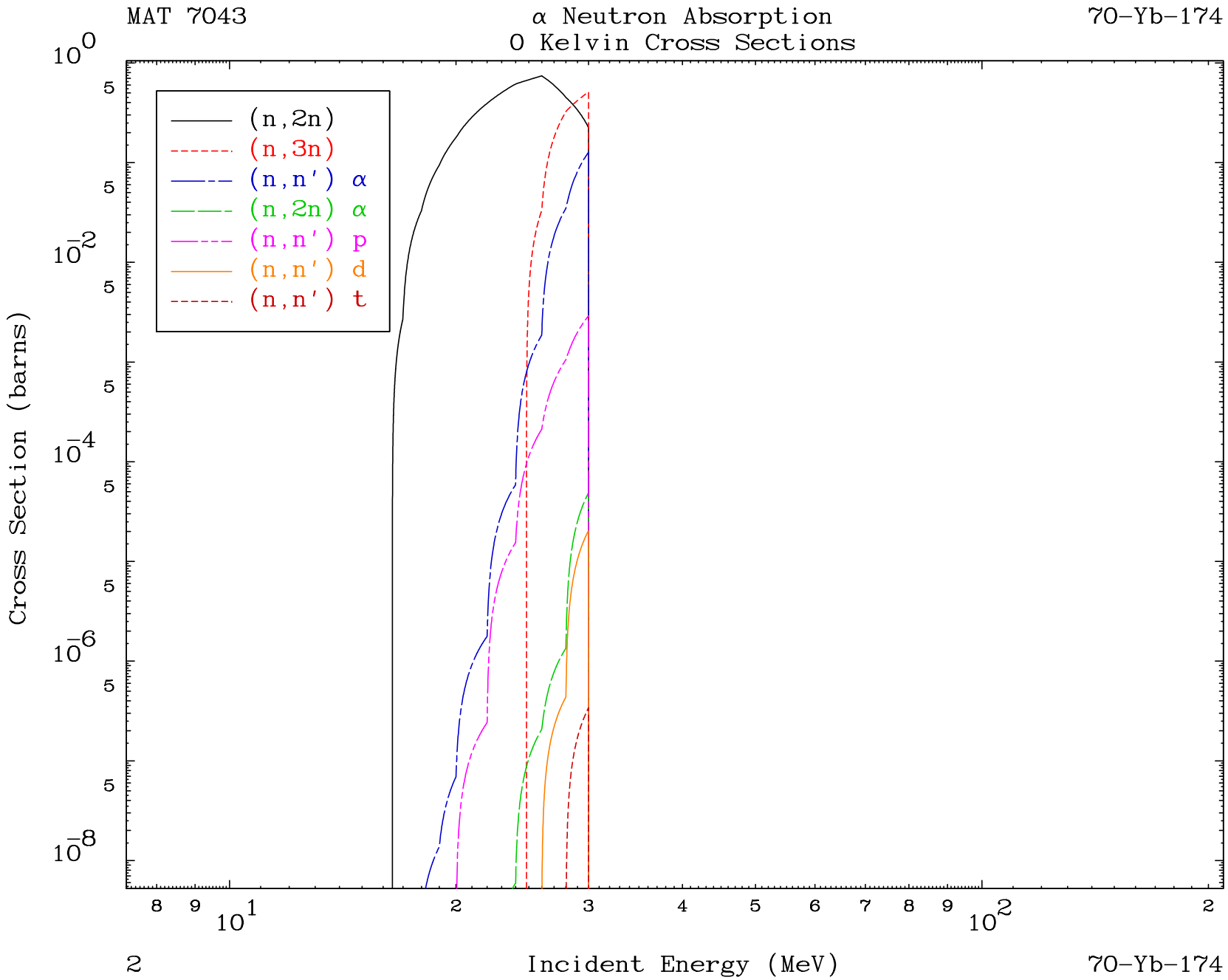
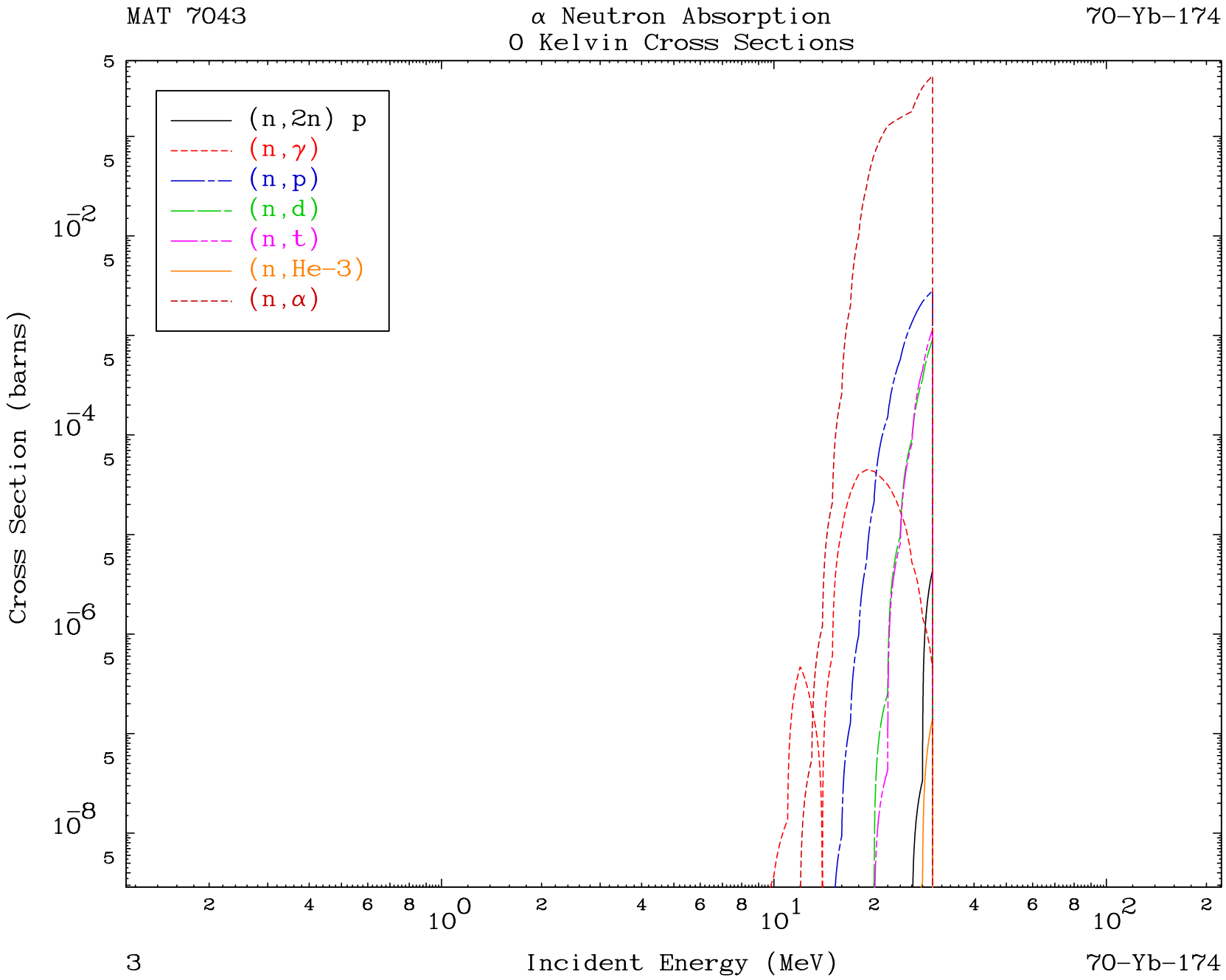
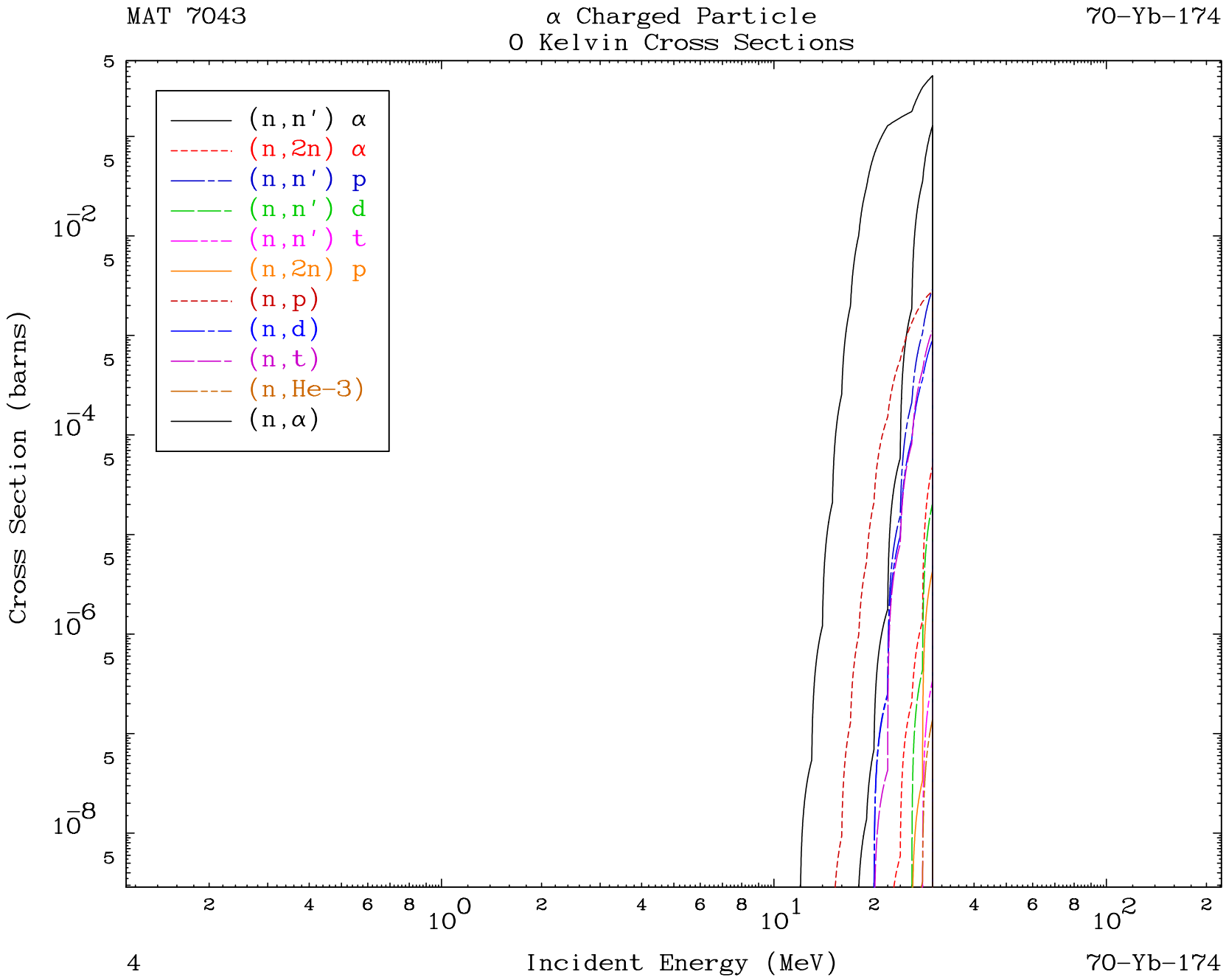
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

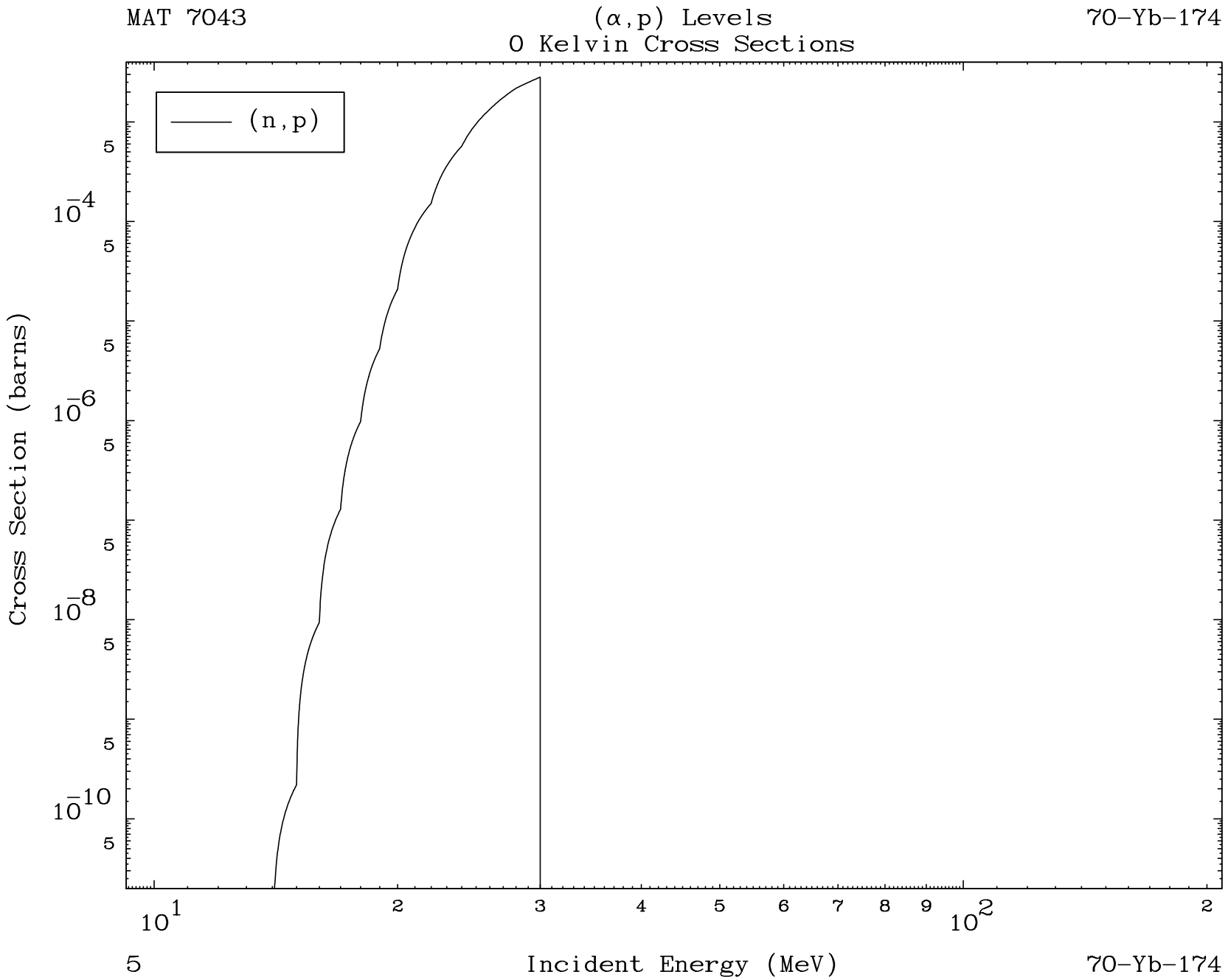
Press Mouse Button to Start

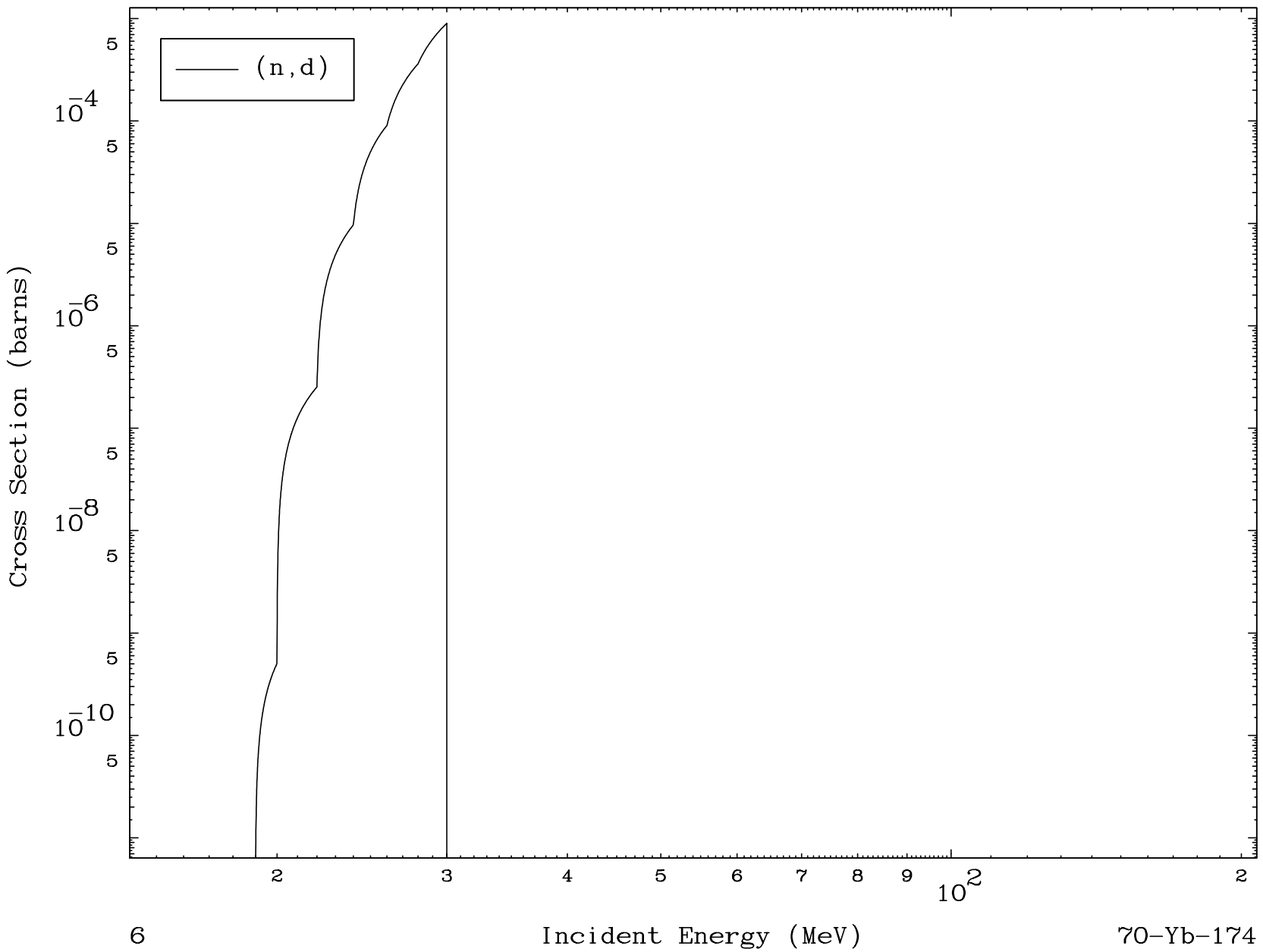

MAT 7043
α Major
70-Yb-174
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-174

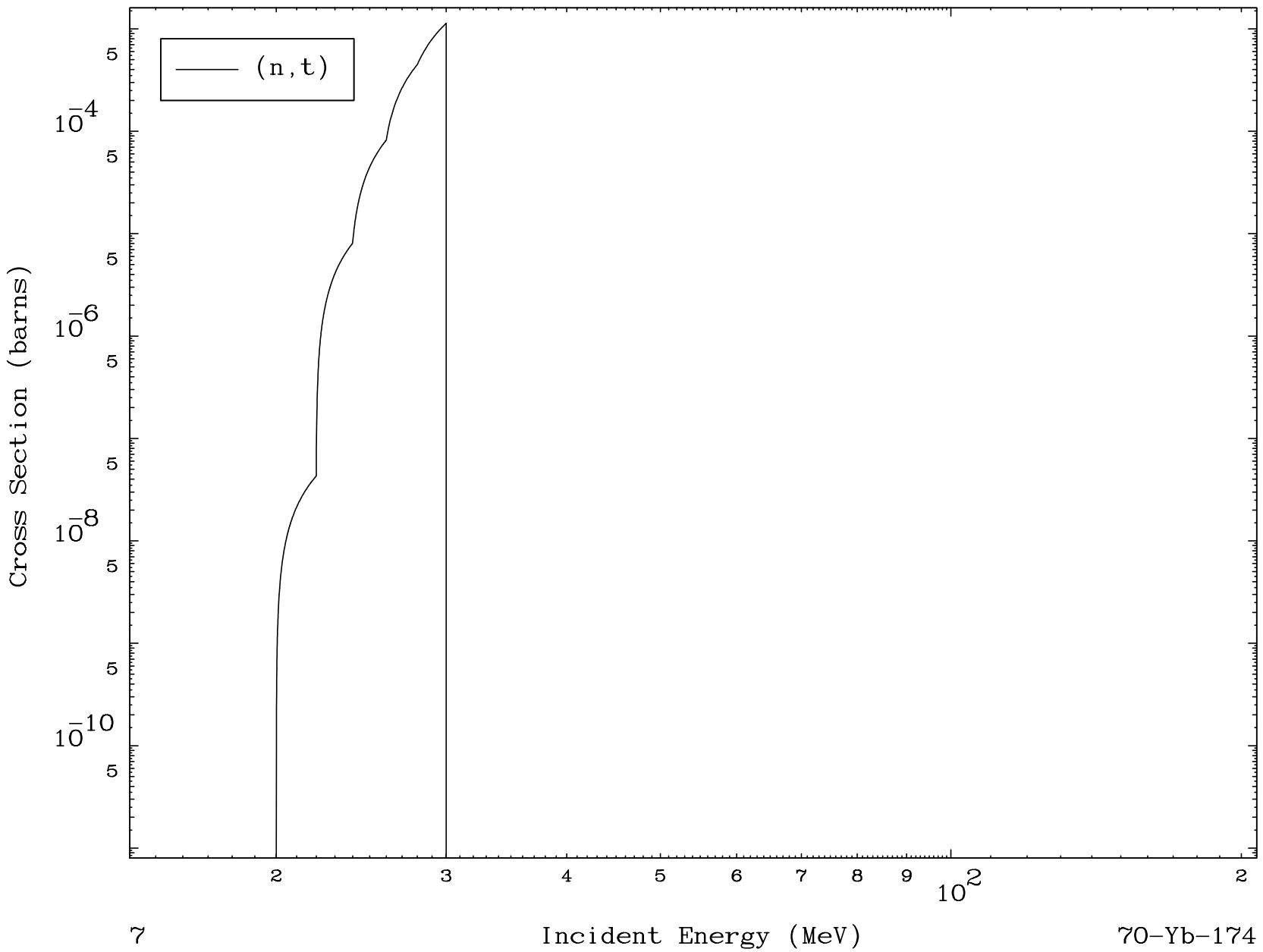

MAT 7043
α Neutron Absorption
0 Kelvin Cross Sections
70-Yb-174
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
70-Yb-174

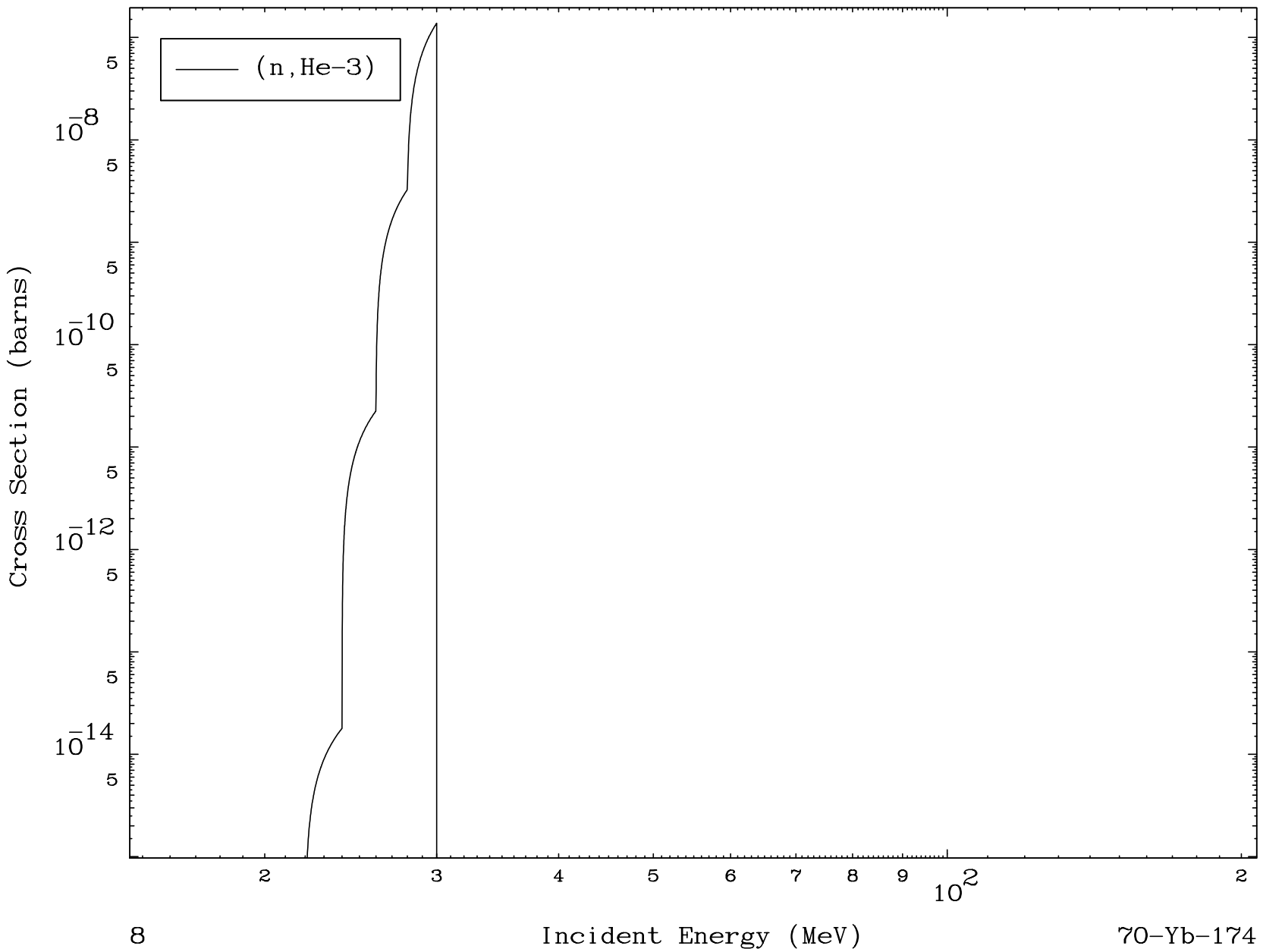

MAT 7043
α Neutron Absorption
0 Kelvin Cross Sections
70-Yb-174
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
70-Yb-174

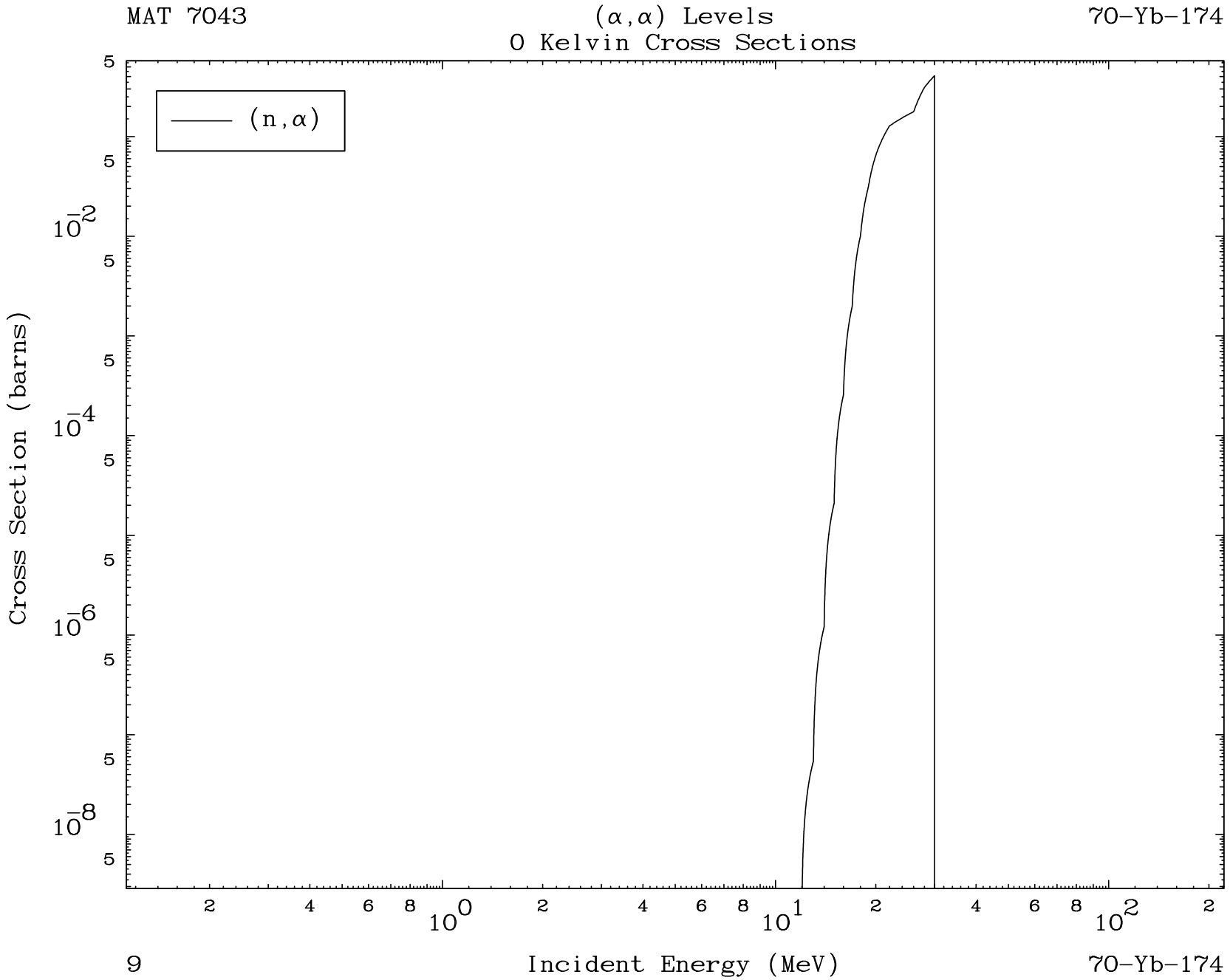

MAT 7043
α Charged Particle
0 Kelvin Cross Sections
70-Yb-174
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
70-Yb-174

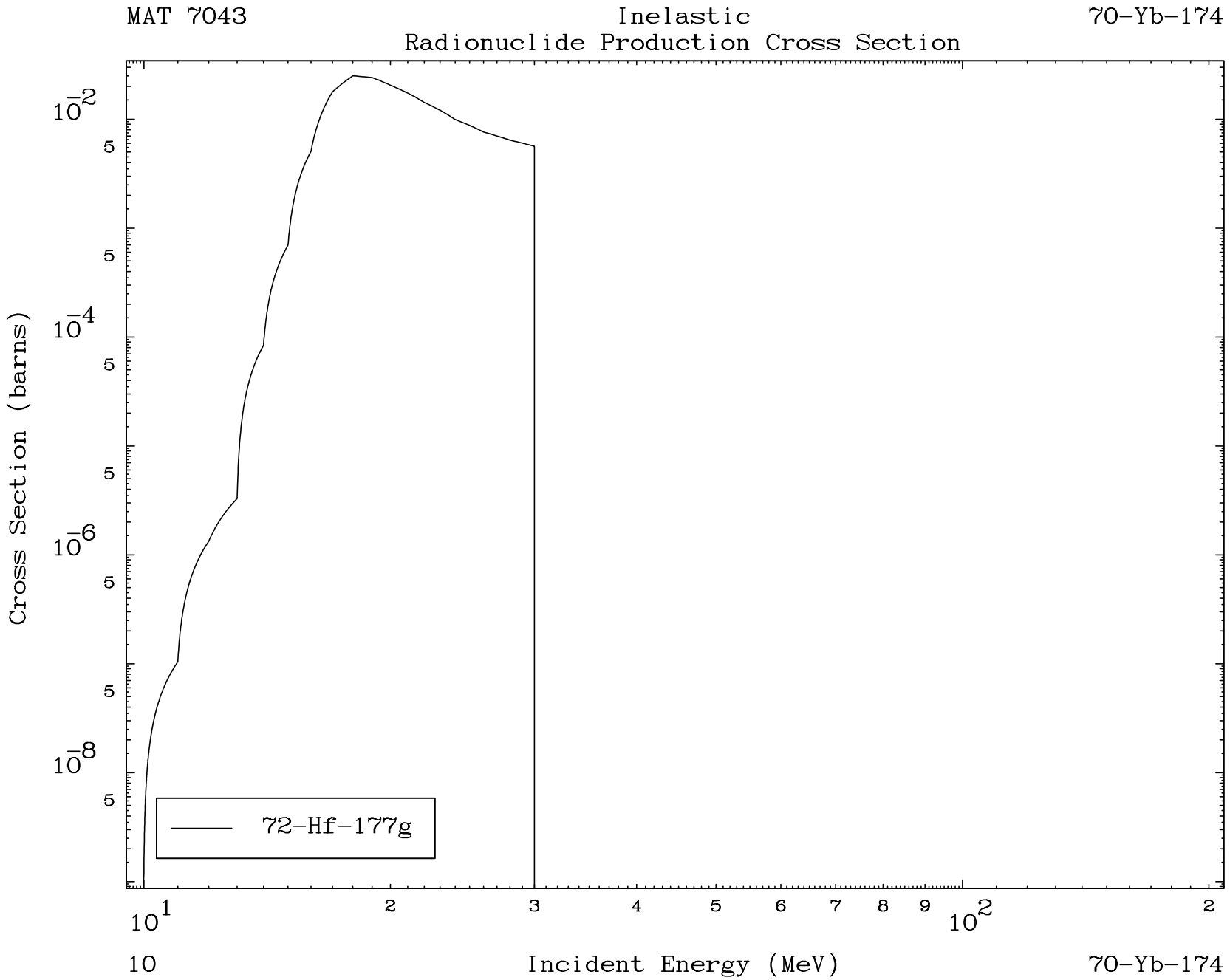

MAT 7043
(α,p) Levels
70-Yb-174
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
70-Yb-174

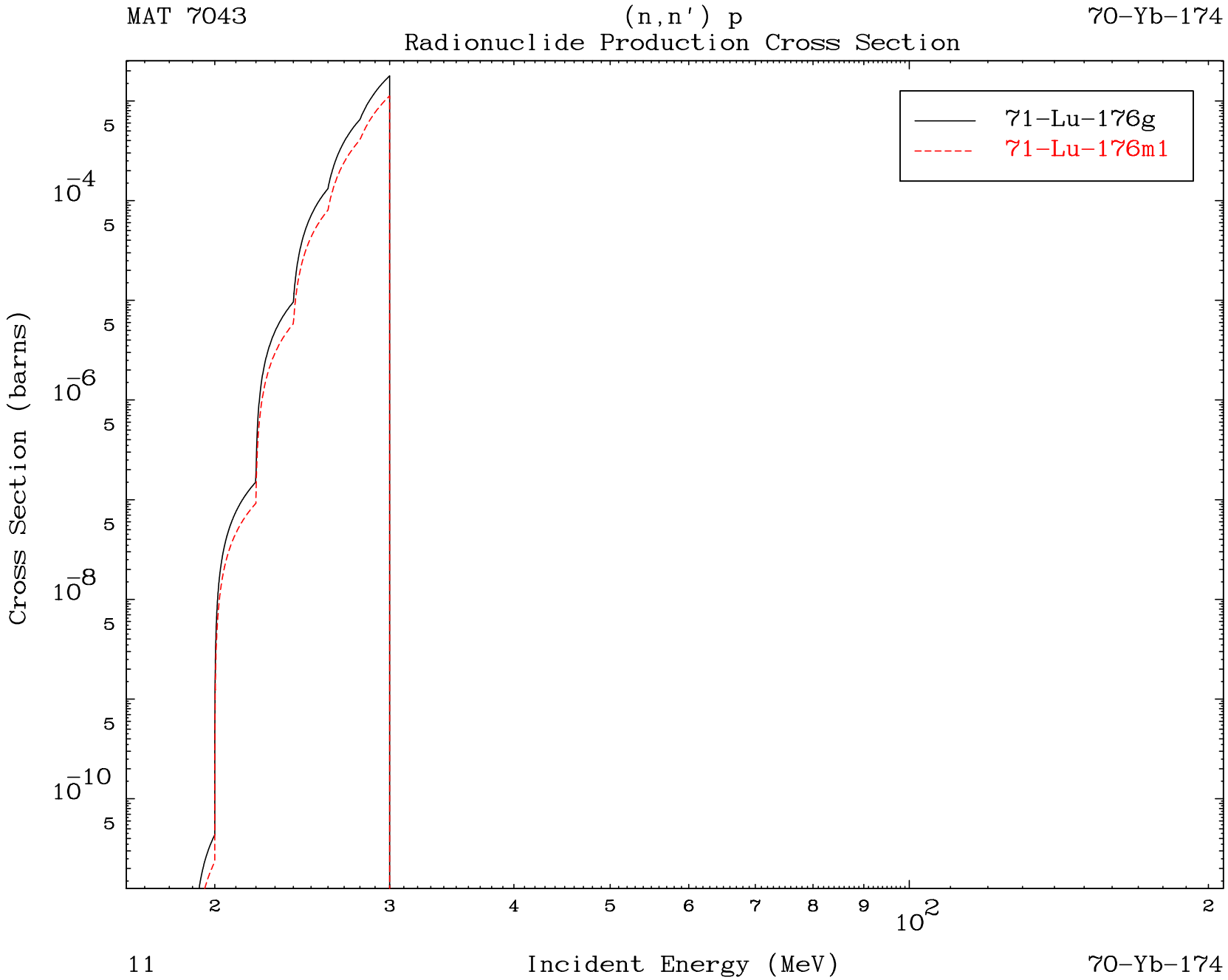

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

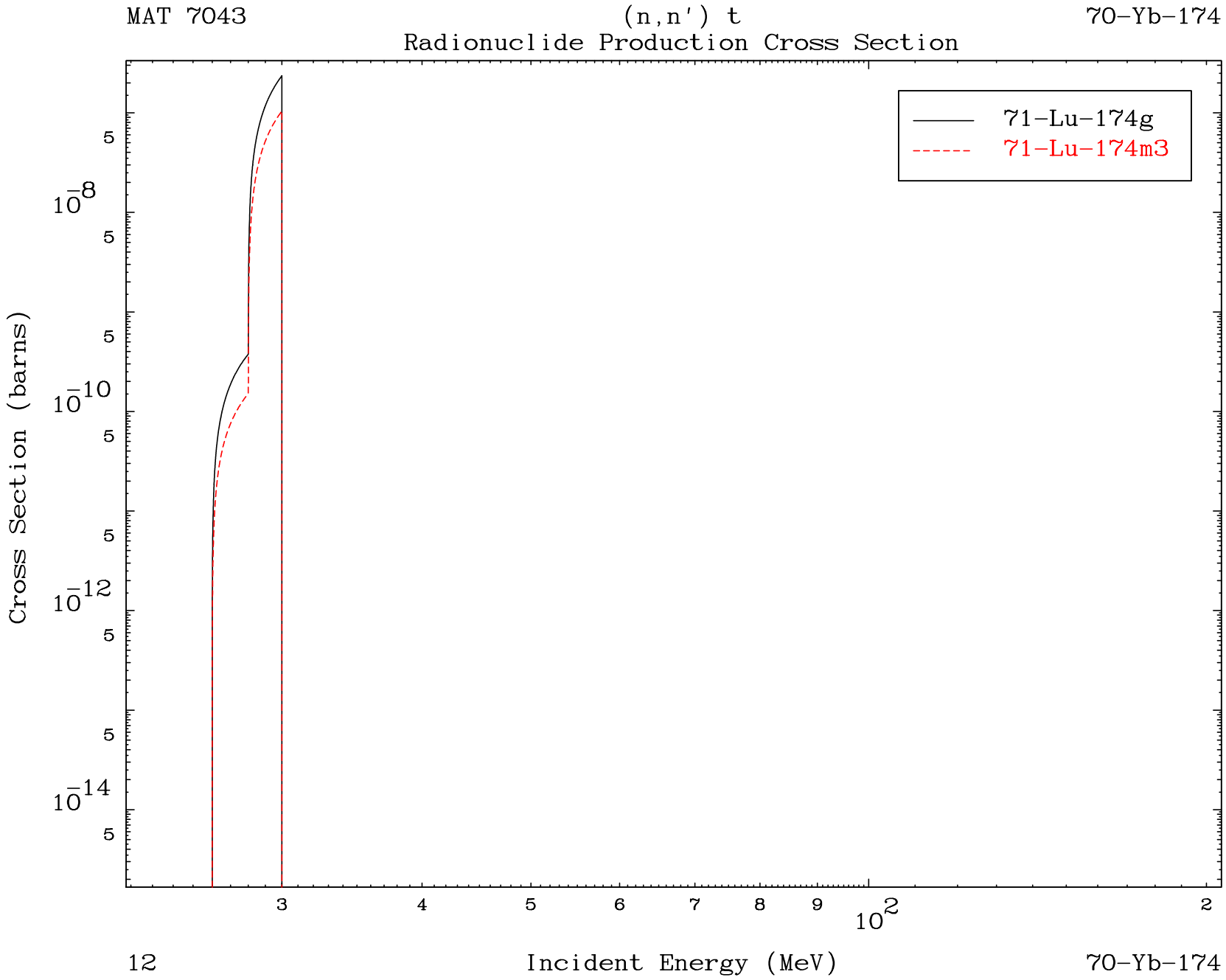

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

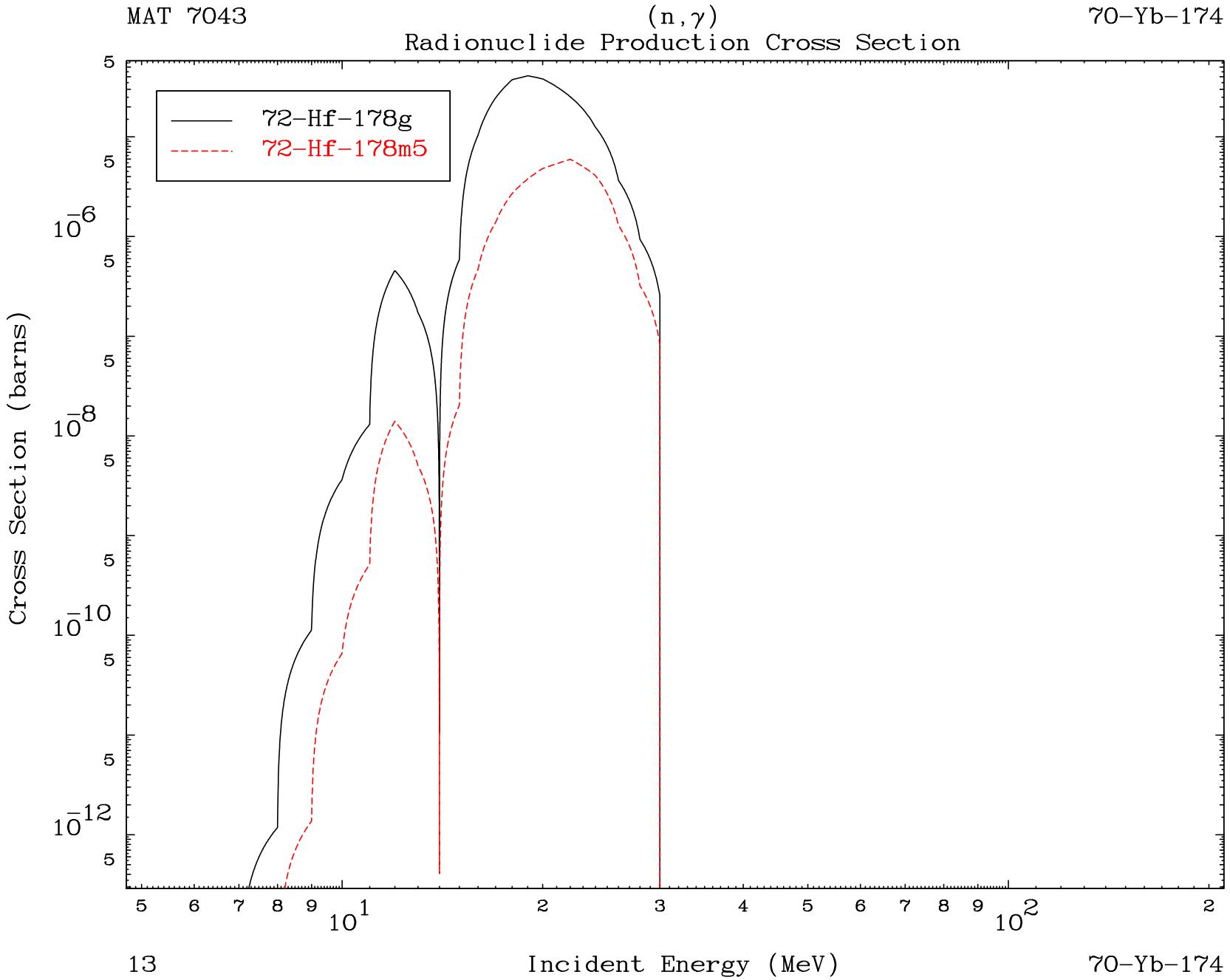

0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

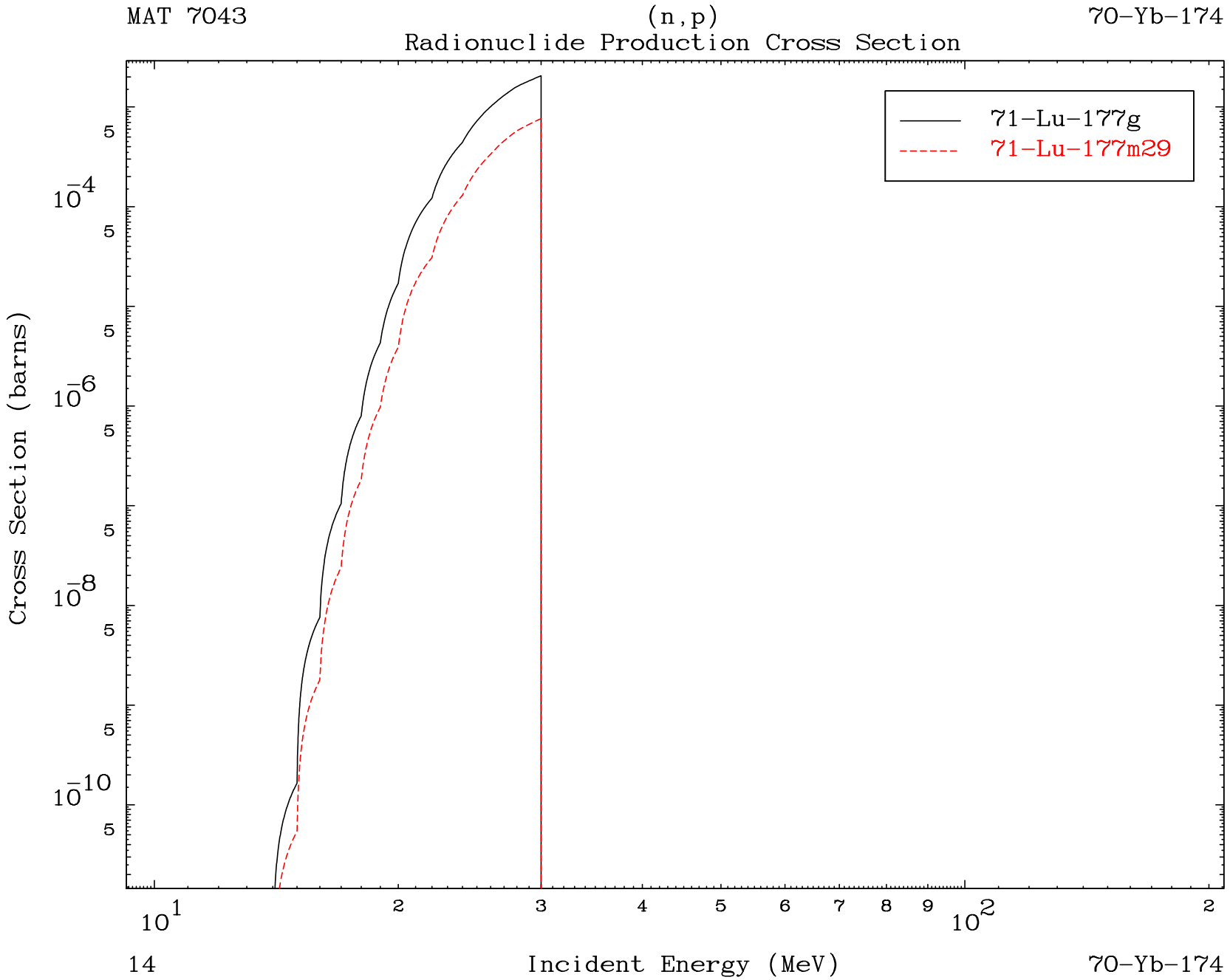

MAT 7043
(α,α) Levels
70-Yb-174
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
9
70-Yb-174

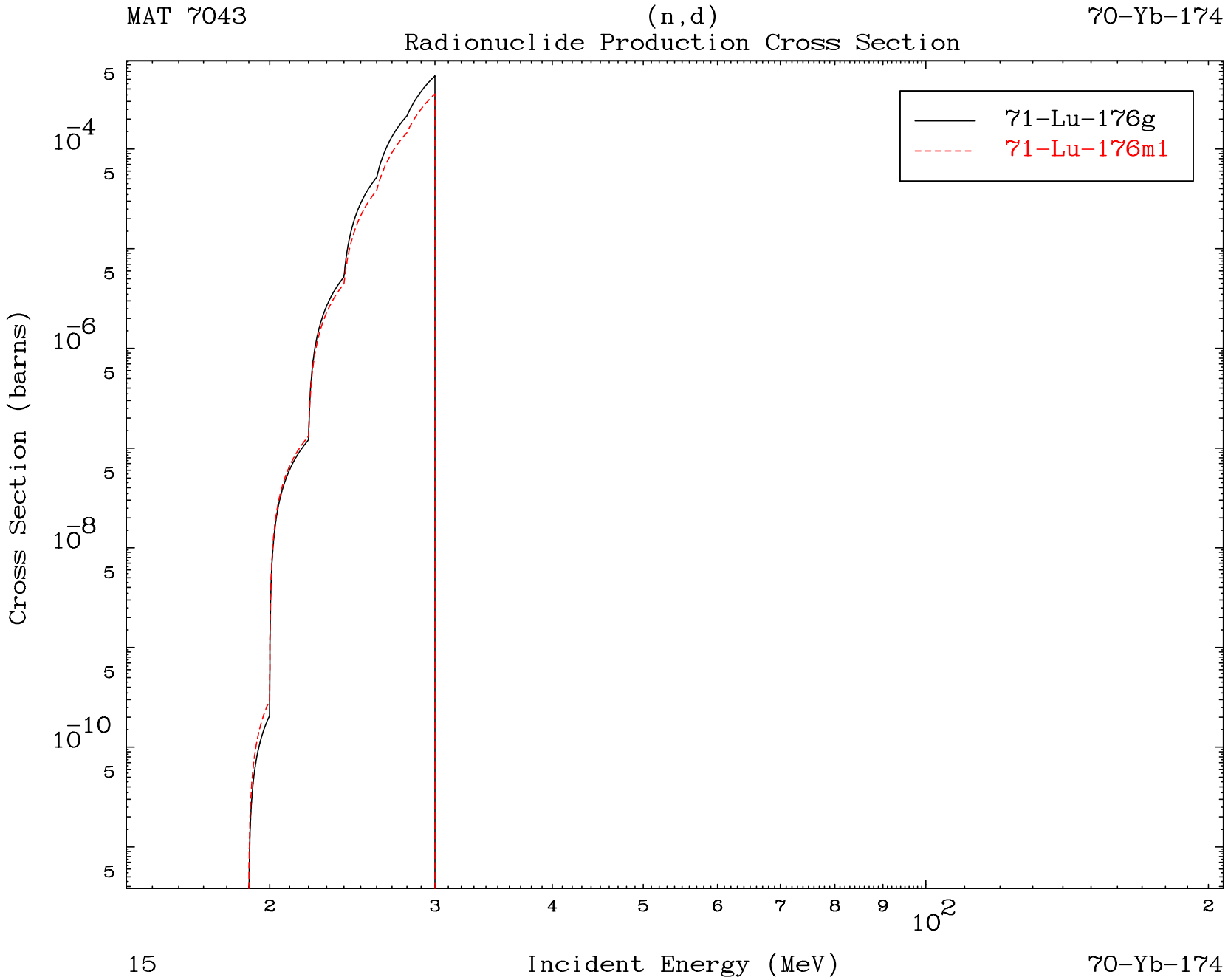

MAT 7043
Inelastic
70-Yb-174
Radionuclide Production Cross Section
Cross Section (barns)
10^-2
5
10^-4
5
10^-6
5
10^-8
5
72-Hf-177g
10^1
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
70-Yb-174


MAT 7043
(n,n') p
70-Yb-174
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
11
70-Yb-174


MAT 7043
(n,n') t
70-Yb-174
Radionuclide Production Cross Section
71-Lu-174g
71-Lu-174m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
70-Yb-174


MAT 7043
(n,γ)
70-Yb-174
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
Cross Section (barns)
10-6
10-8
10-10
10-12
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
70-Yb-174


MAT 7043
(n,p)
70-Yb-174
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
14
70-Yb-174


MAT 7043
(n,d)
70-Yb-174
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
Incident Energy (MeV)
15
70-Yb-174