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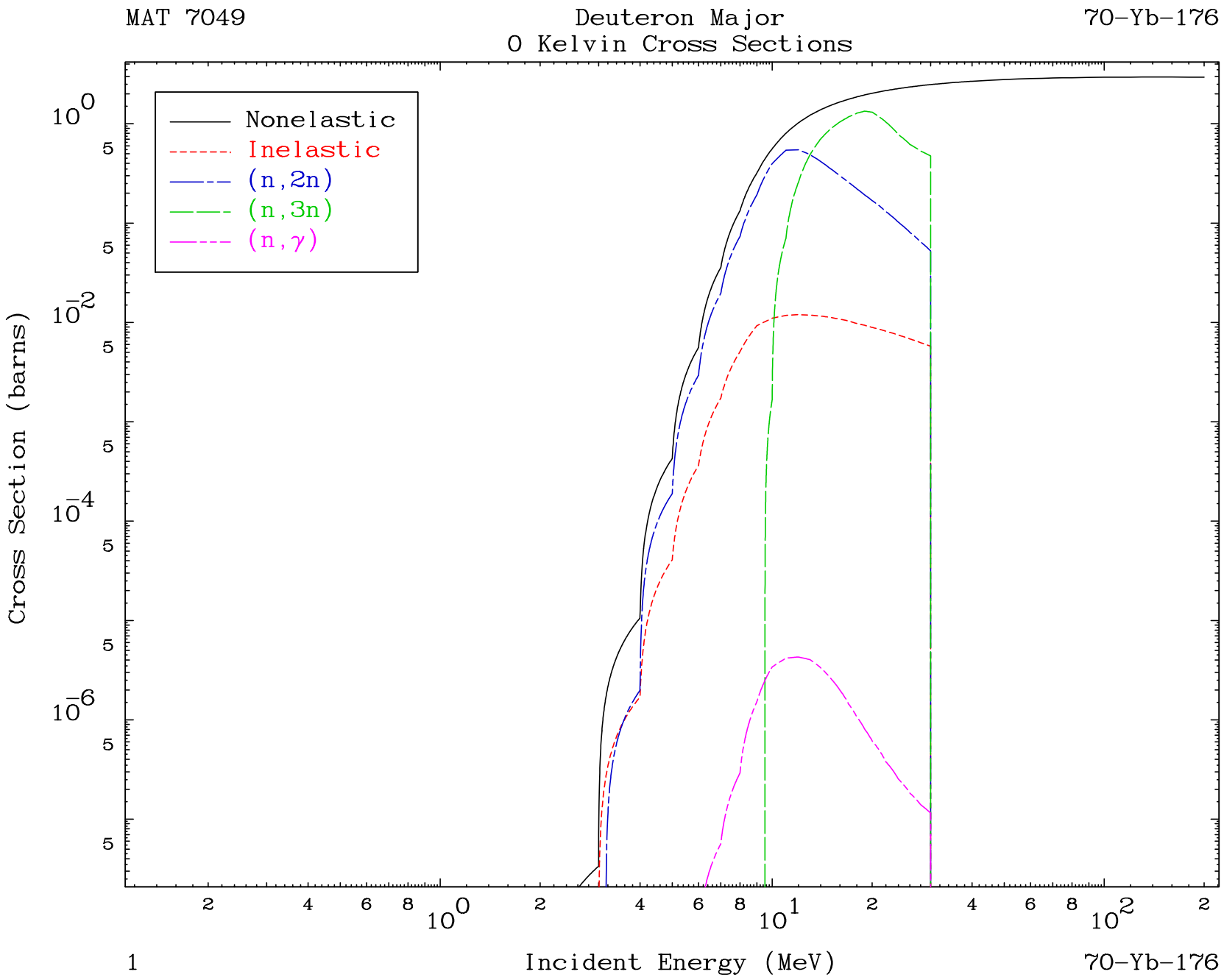
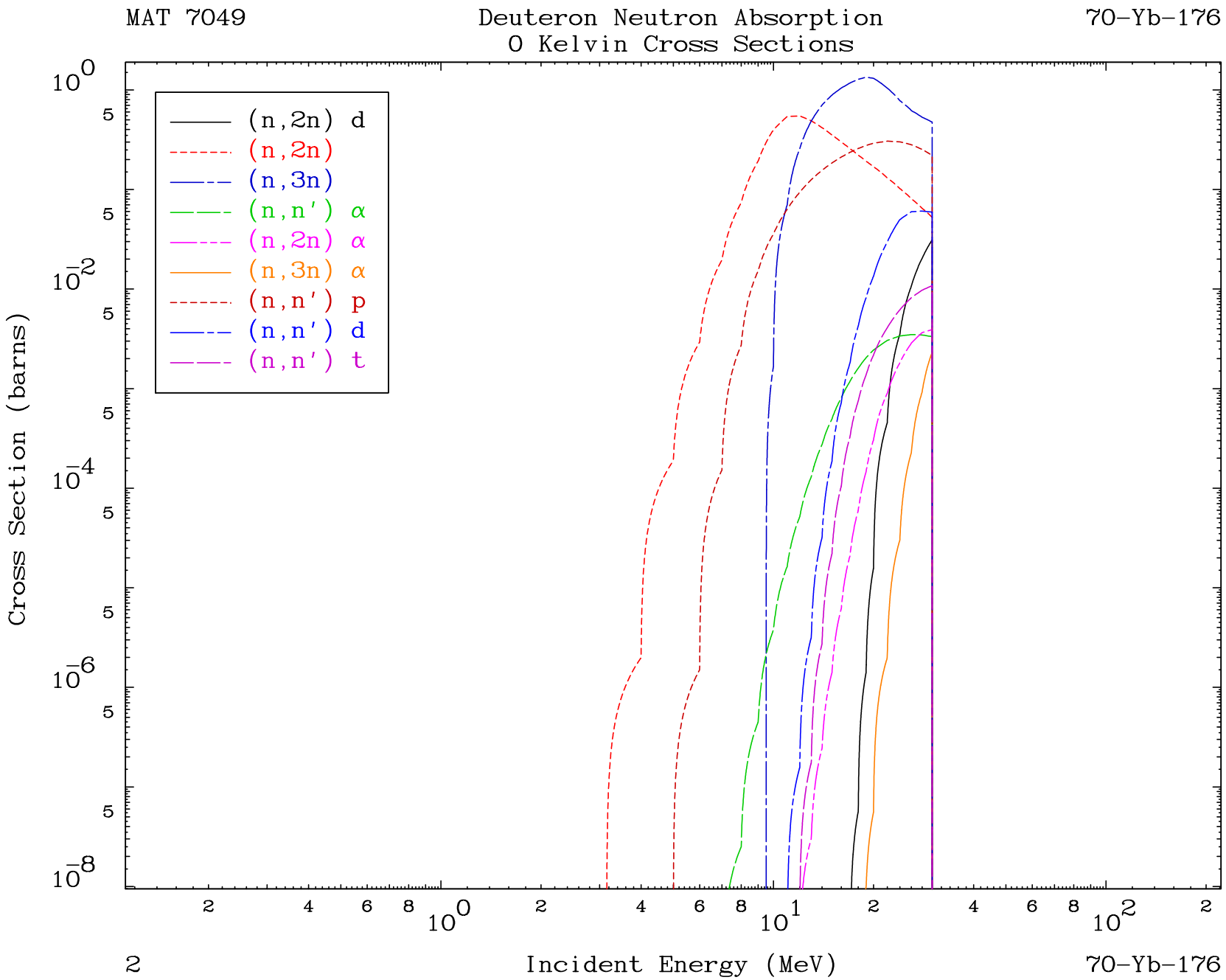
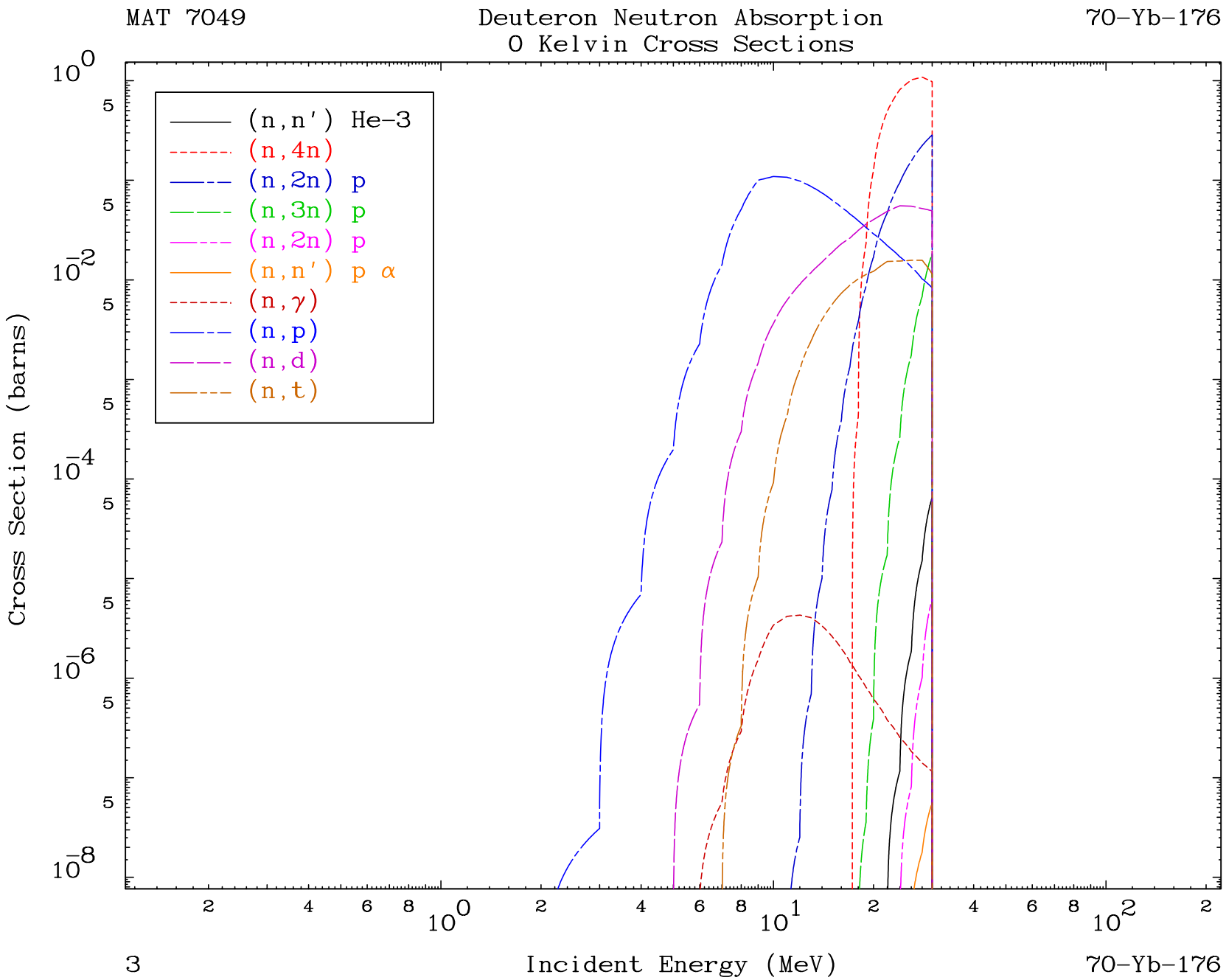
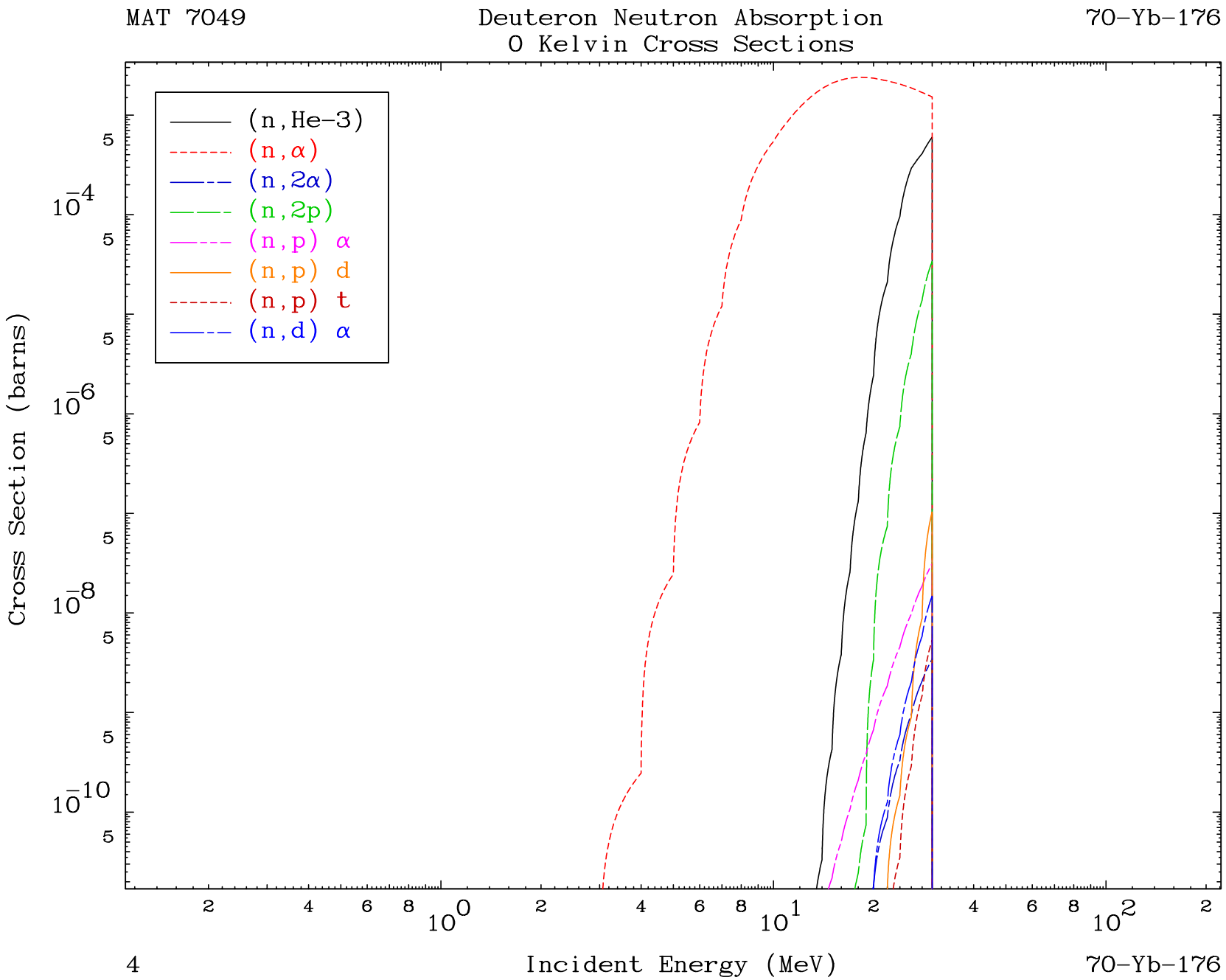
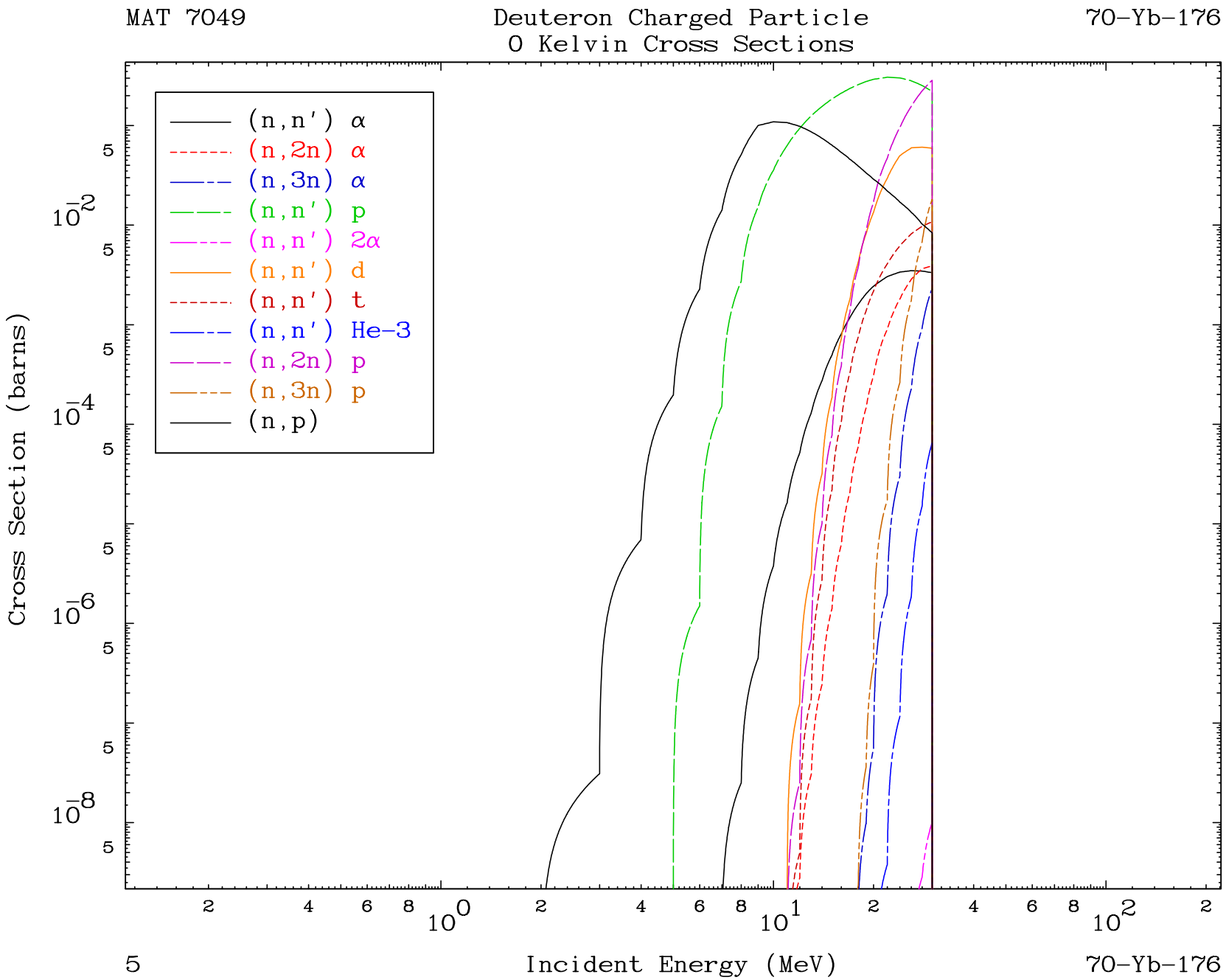
Press Mouse Button to Start

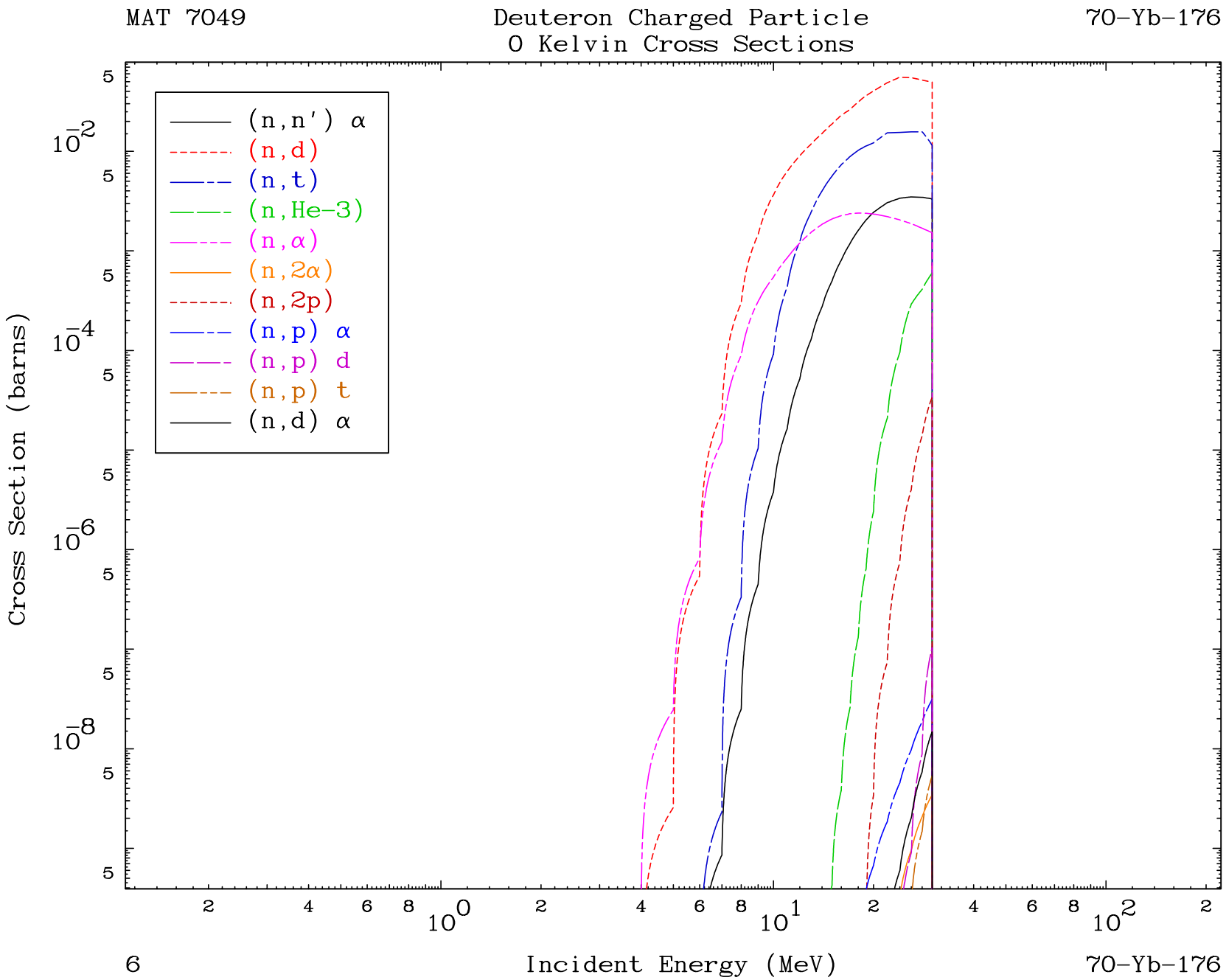

MAT 7049
Deuteron Major
0 Kelvin Cross Sections
70-Yb-176
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
70-Yb-176

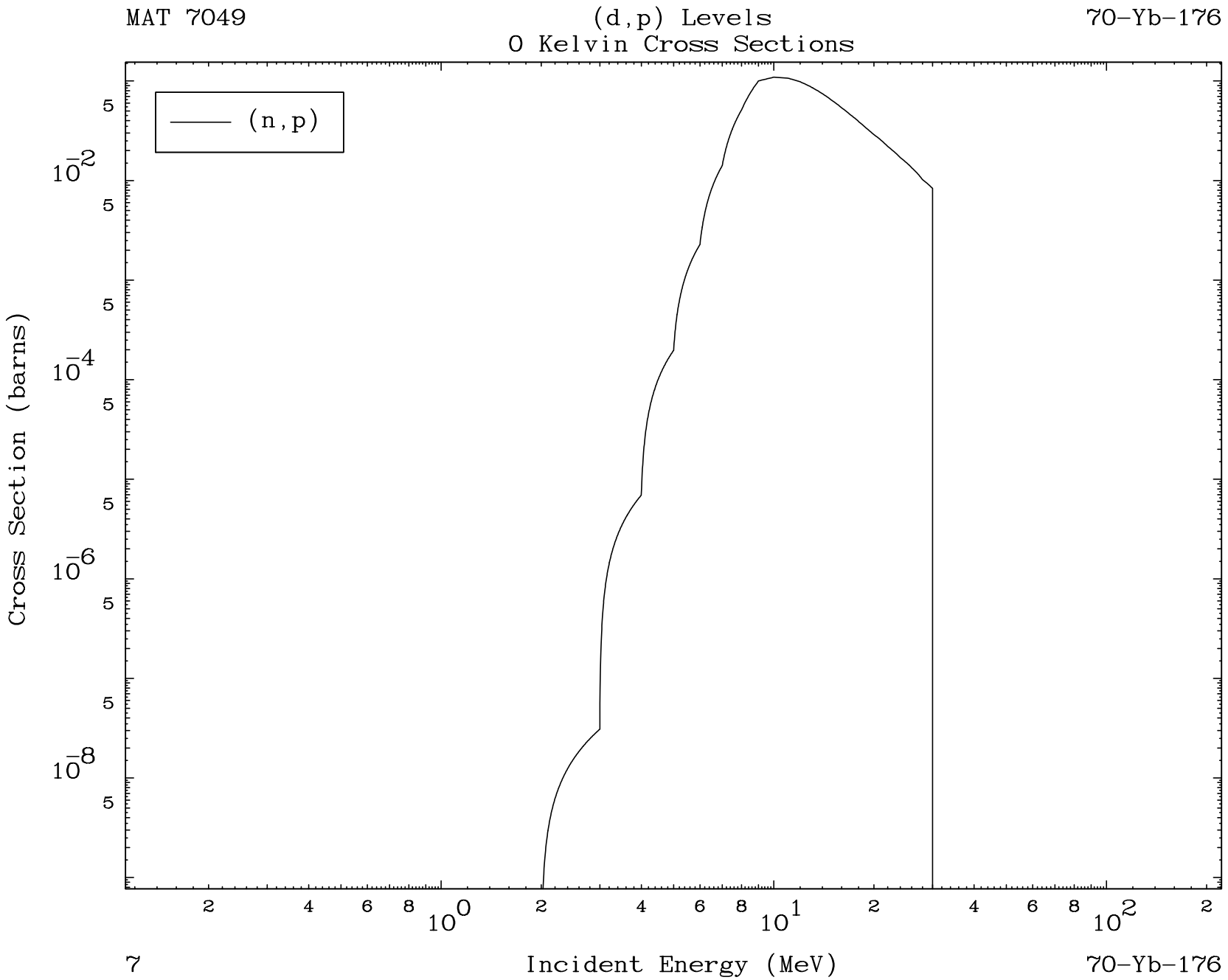

MAT 7049
Deuteron Neutron Absorption
0 Kelvin Cross Sections
70-Yb-176
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
70-Yb-176

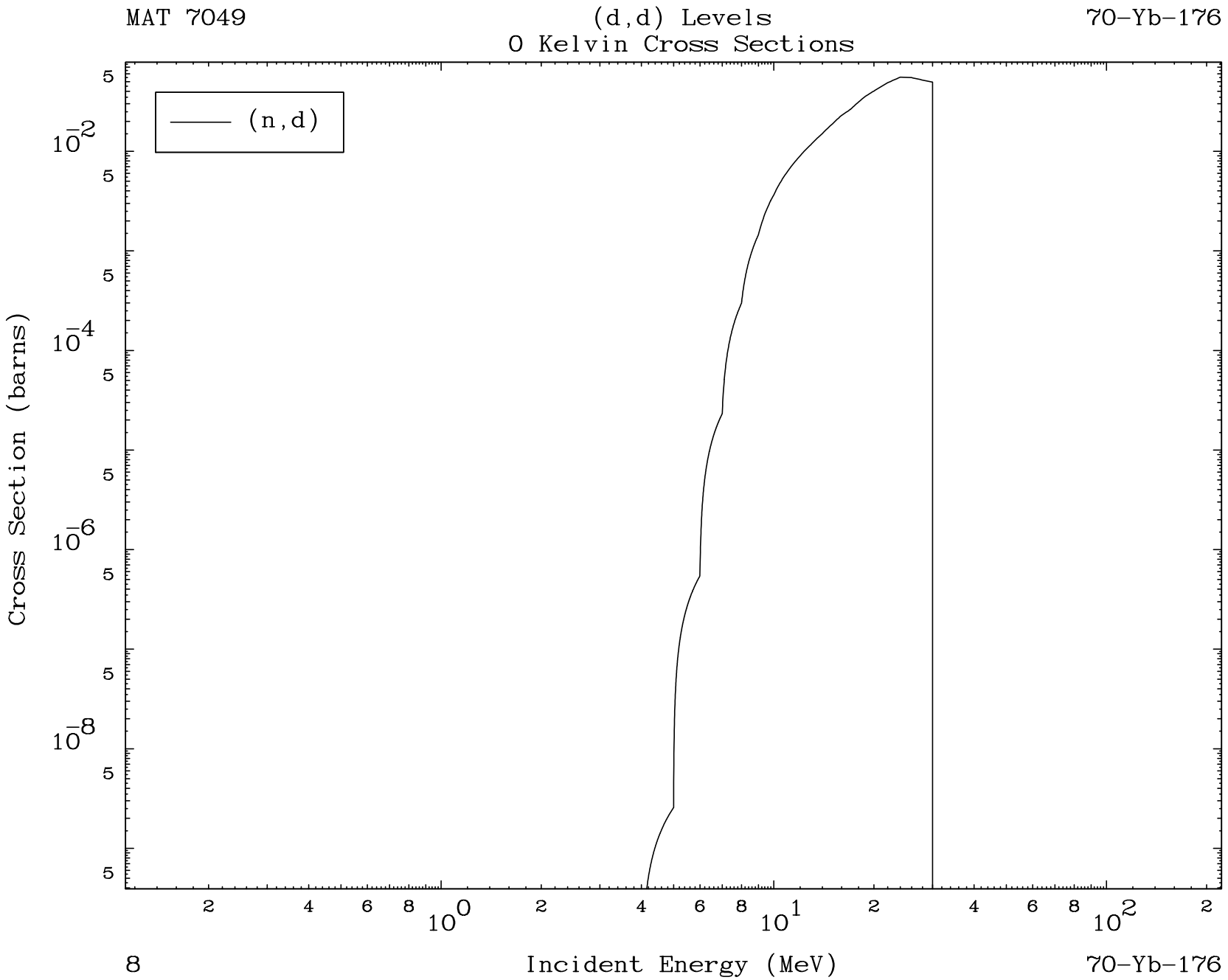

MAT 7049
Deuteron Neutron Absorption
0 Kelvin Cross Sections
70-Yb-176
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
70-Yb-176

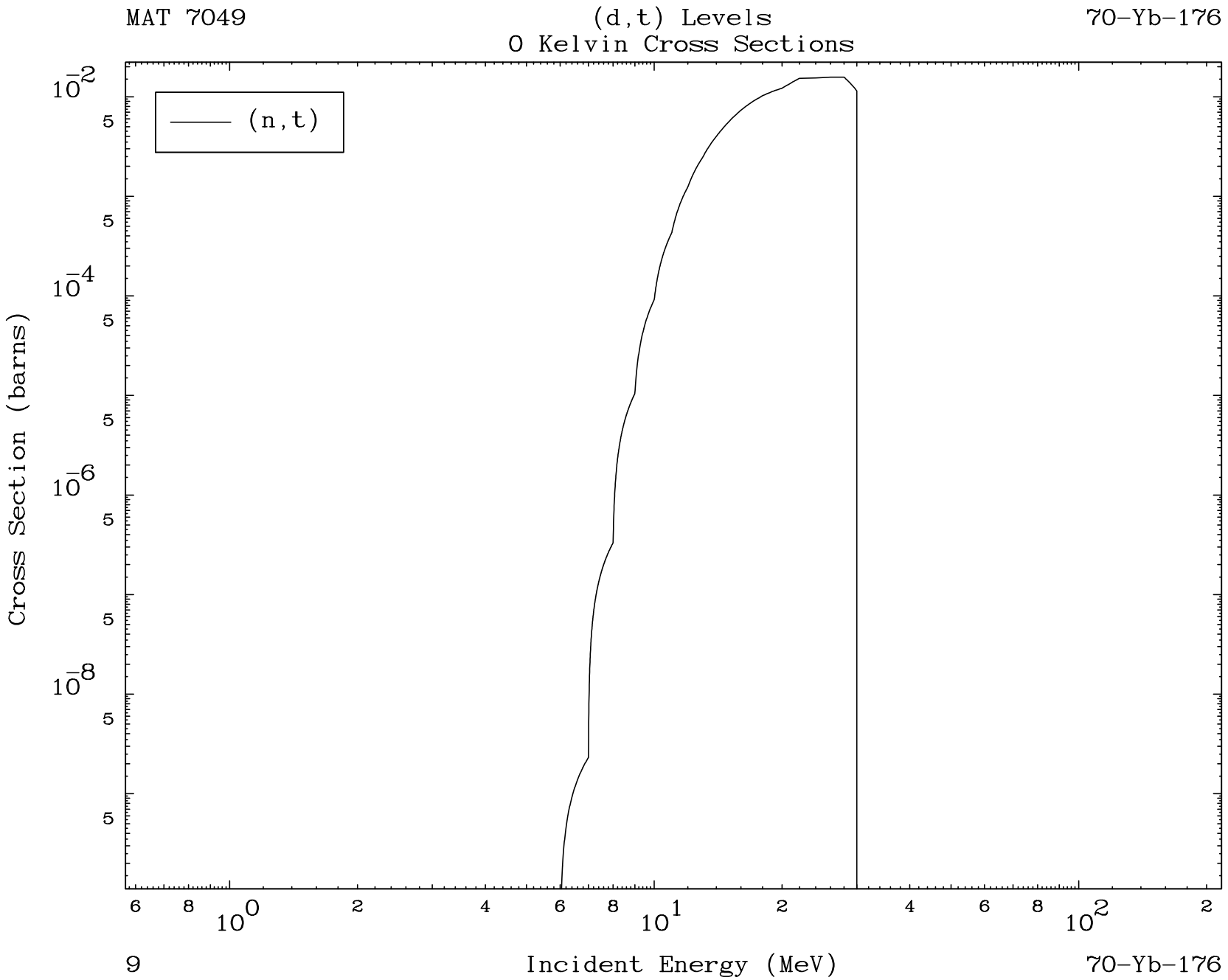

MAT 7049
Deuteron Neutron Absorption
0 Kelvin Cross Sections
70-Yb-176
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
70-Yb-176

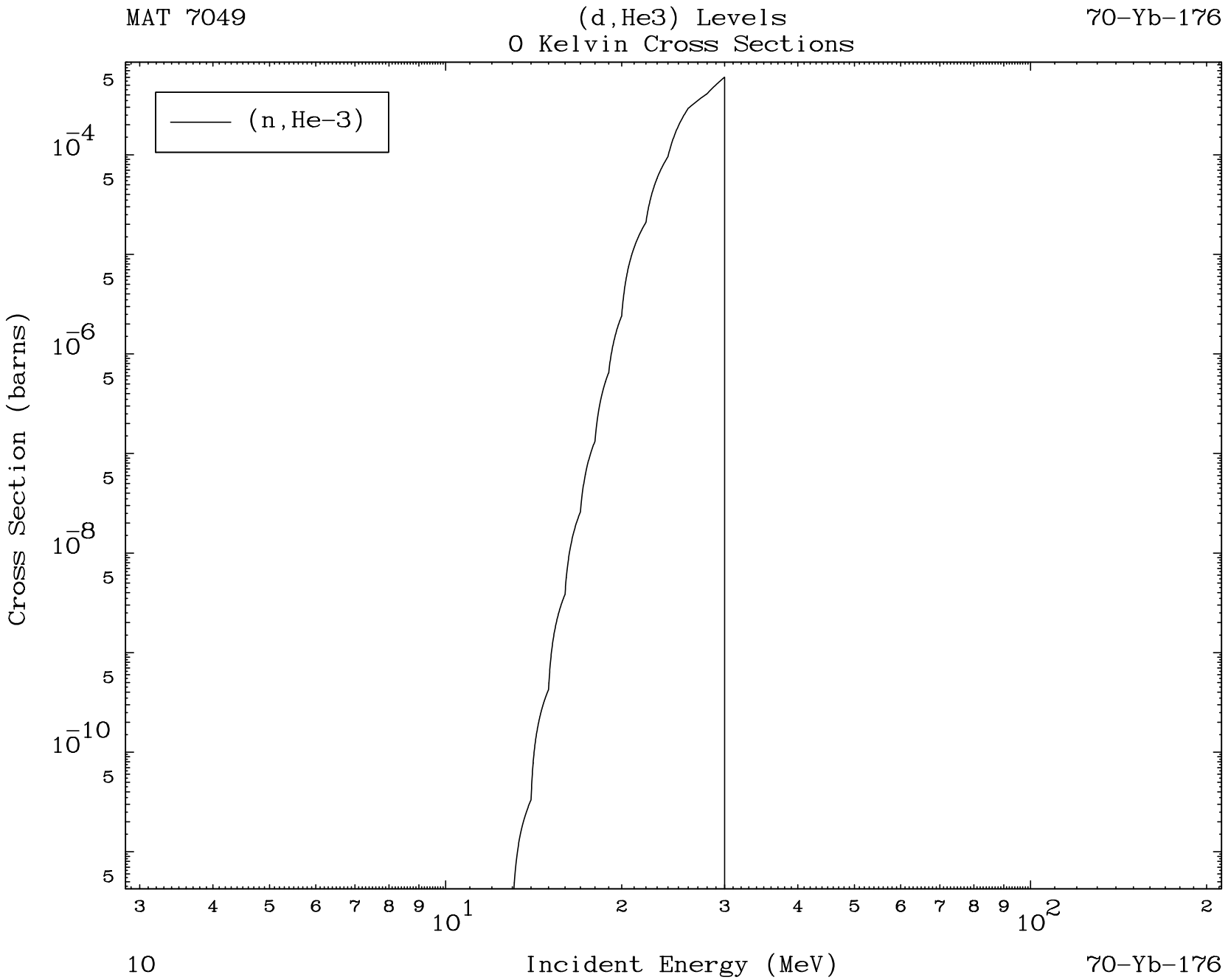

MAT 7049
Deuteron Charged Particle
0 Kelvin Cross Sections
70-Yb-176
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
70-Yb-176

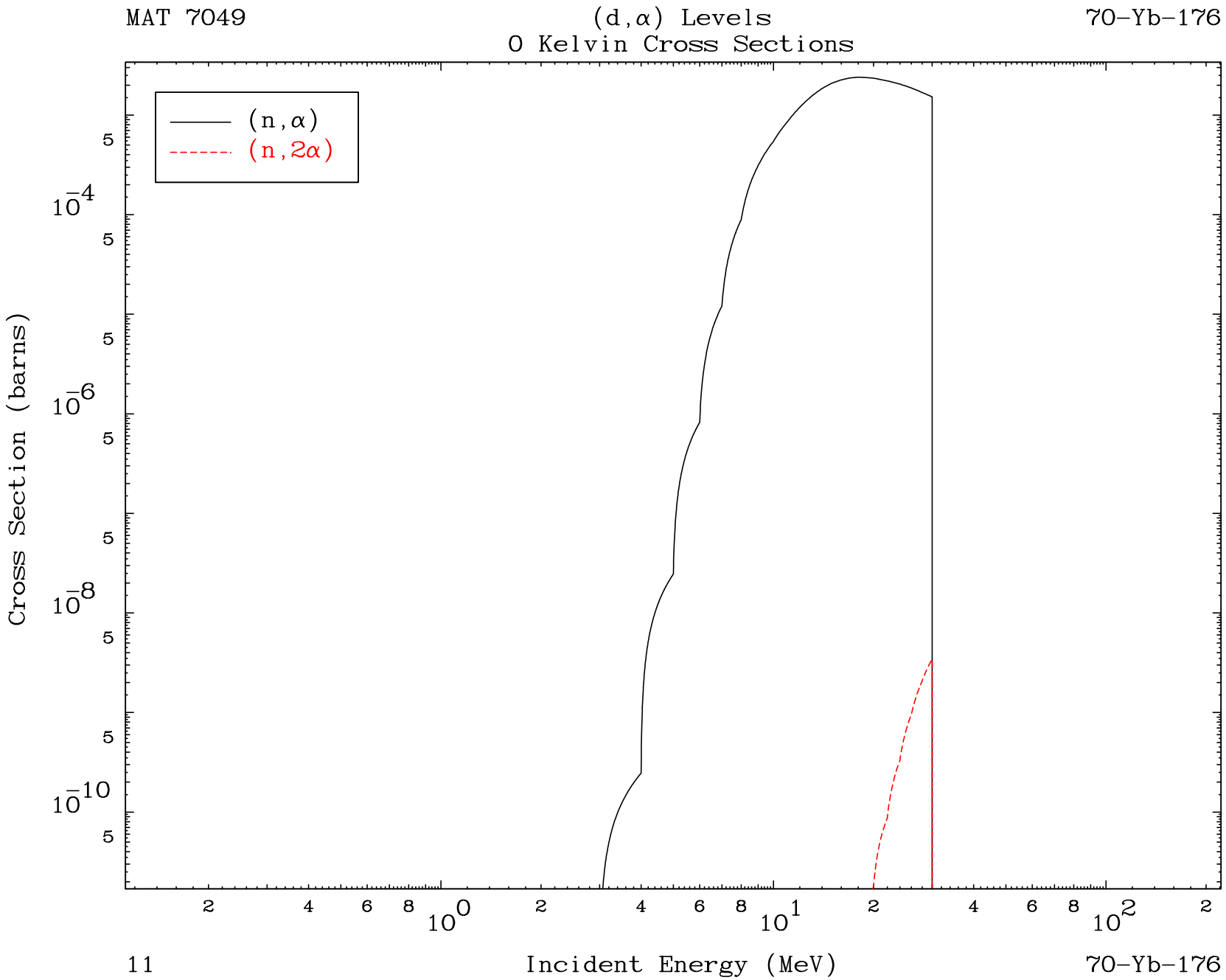

MAT 7049
Deuteron Charged Particle
0 Kelvin Cross Sections
70-Yb-176
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
70-Yb-176

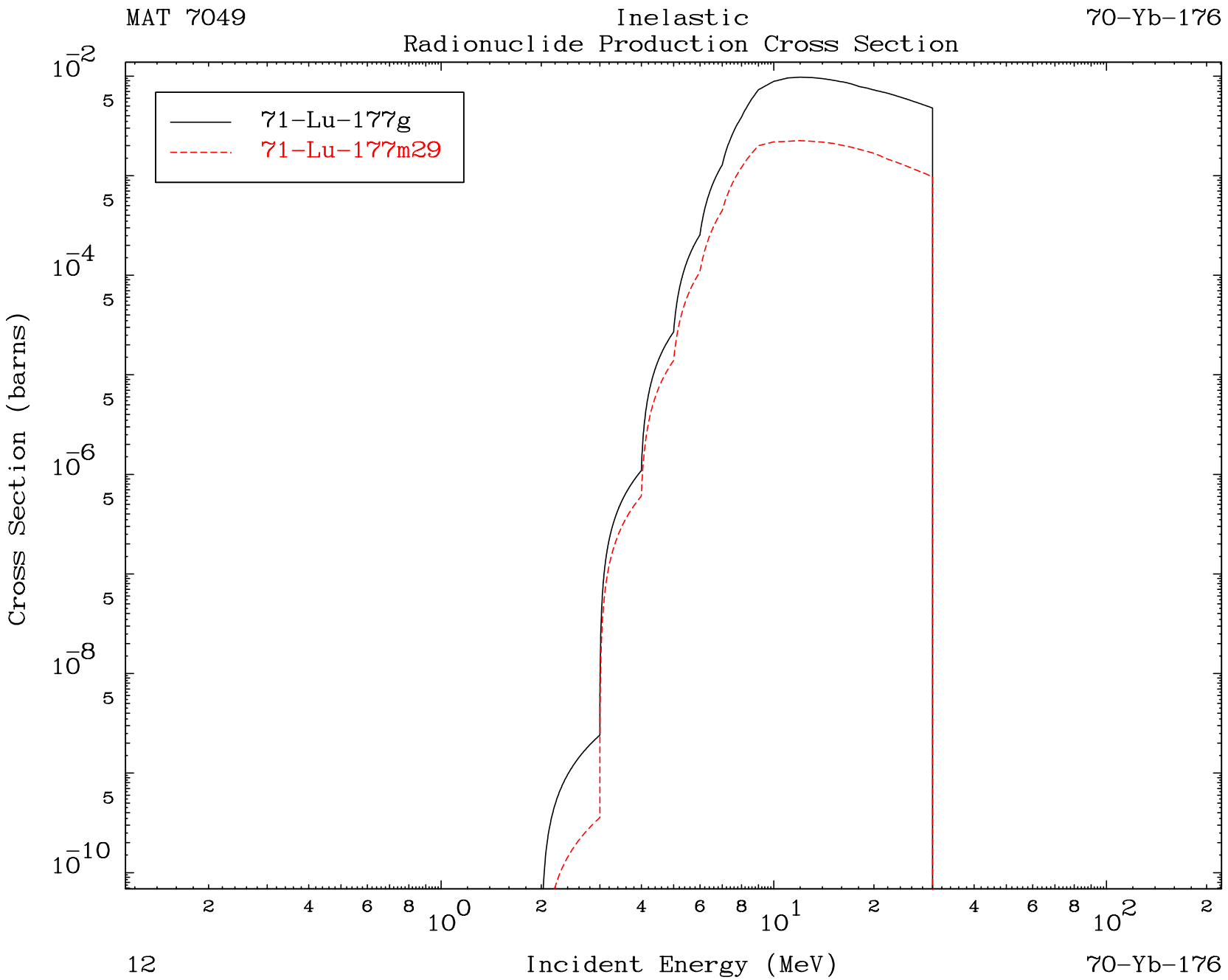

MAT 7049
(d,p) Levels
70-Yb-176
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
70-Yb-176

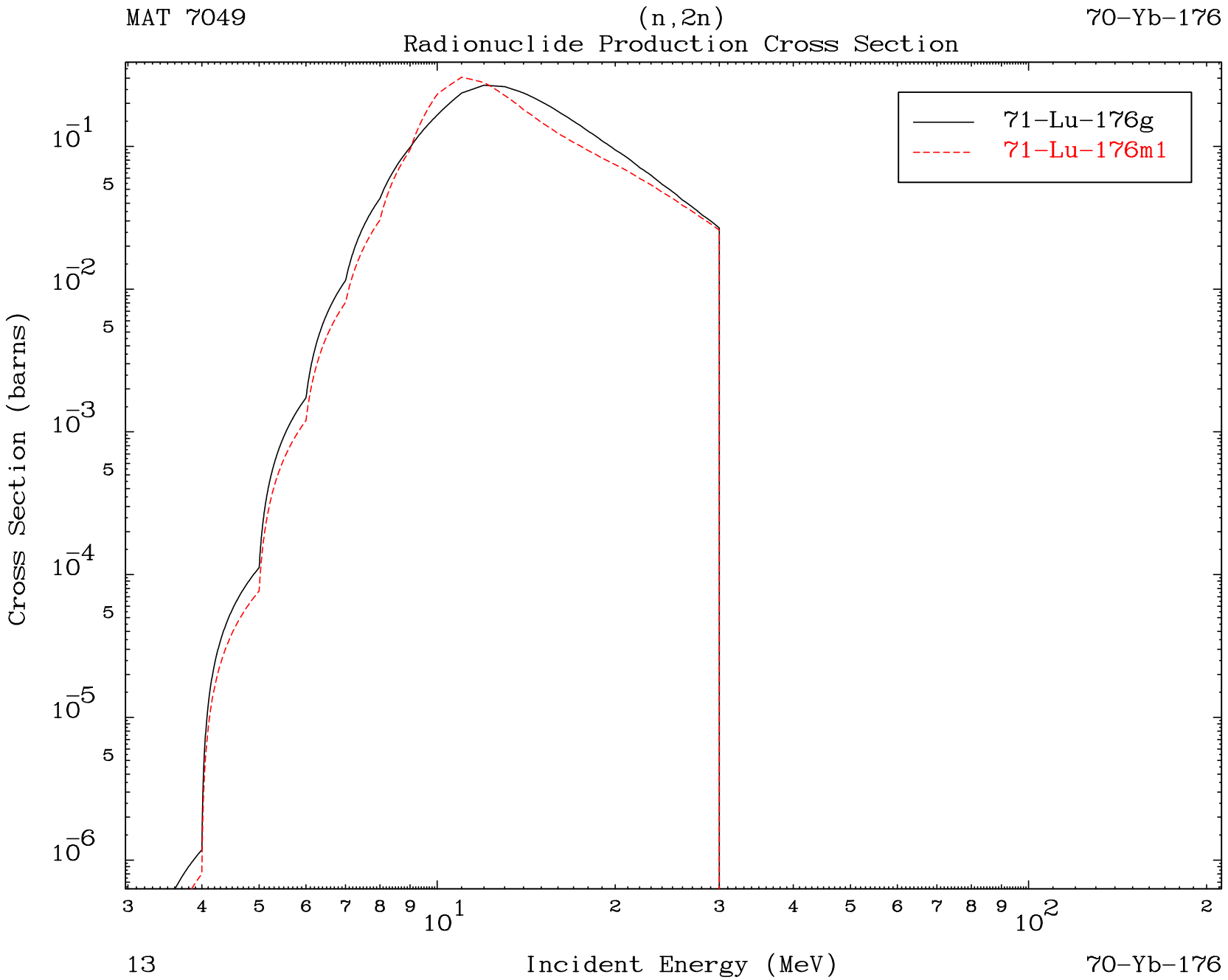

MAT 7049
(d,d) Levels
70-Yb-176
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
70-Yb-176

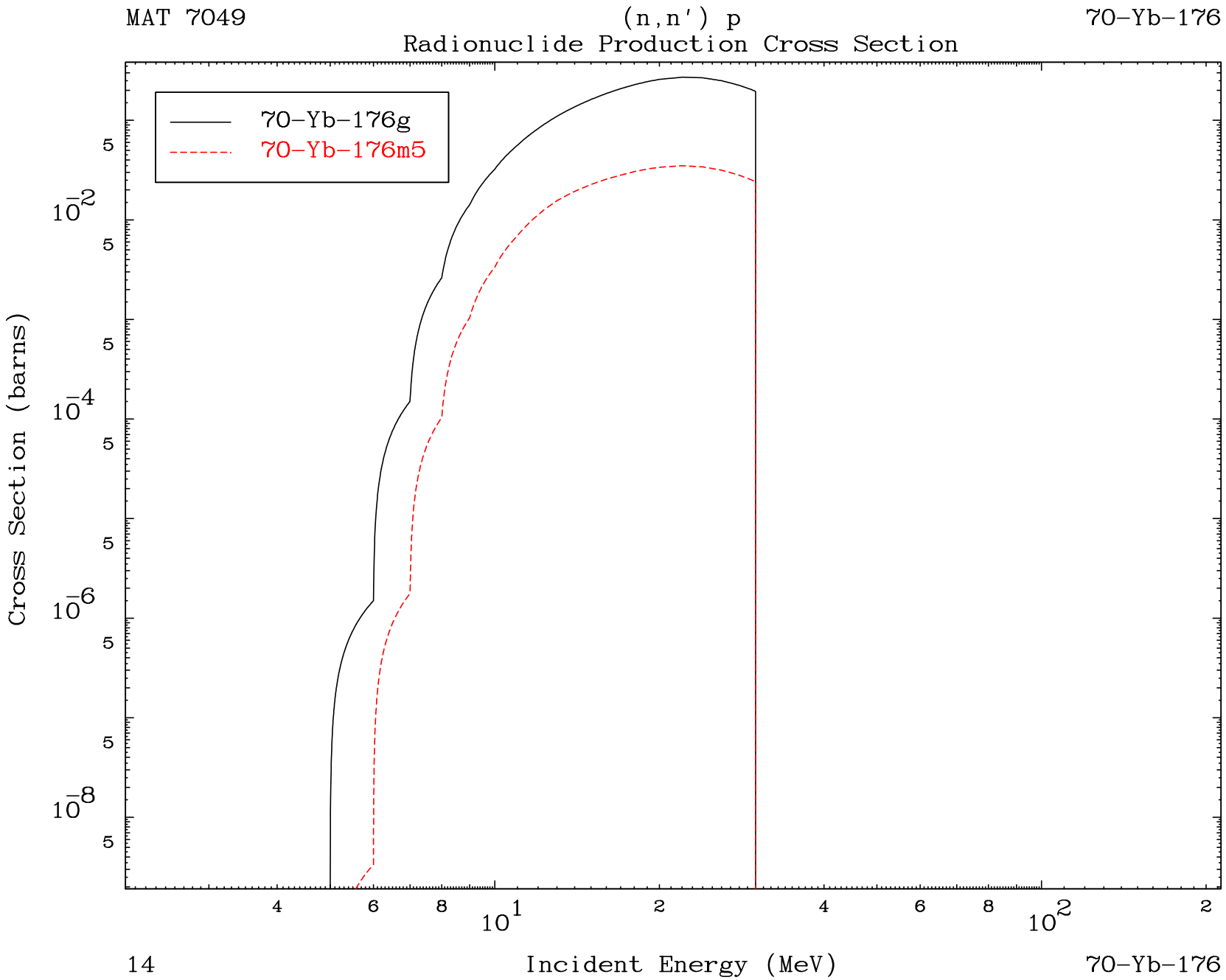

MAT 7049
(d,t) Levels
70-Yb-176
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
70-Yb-176

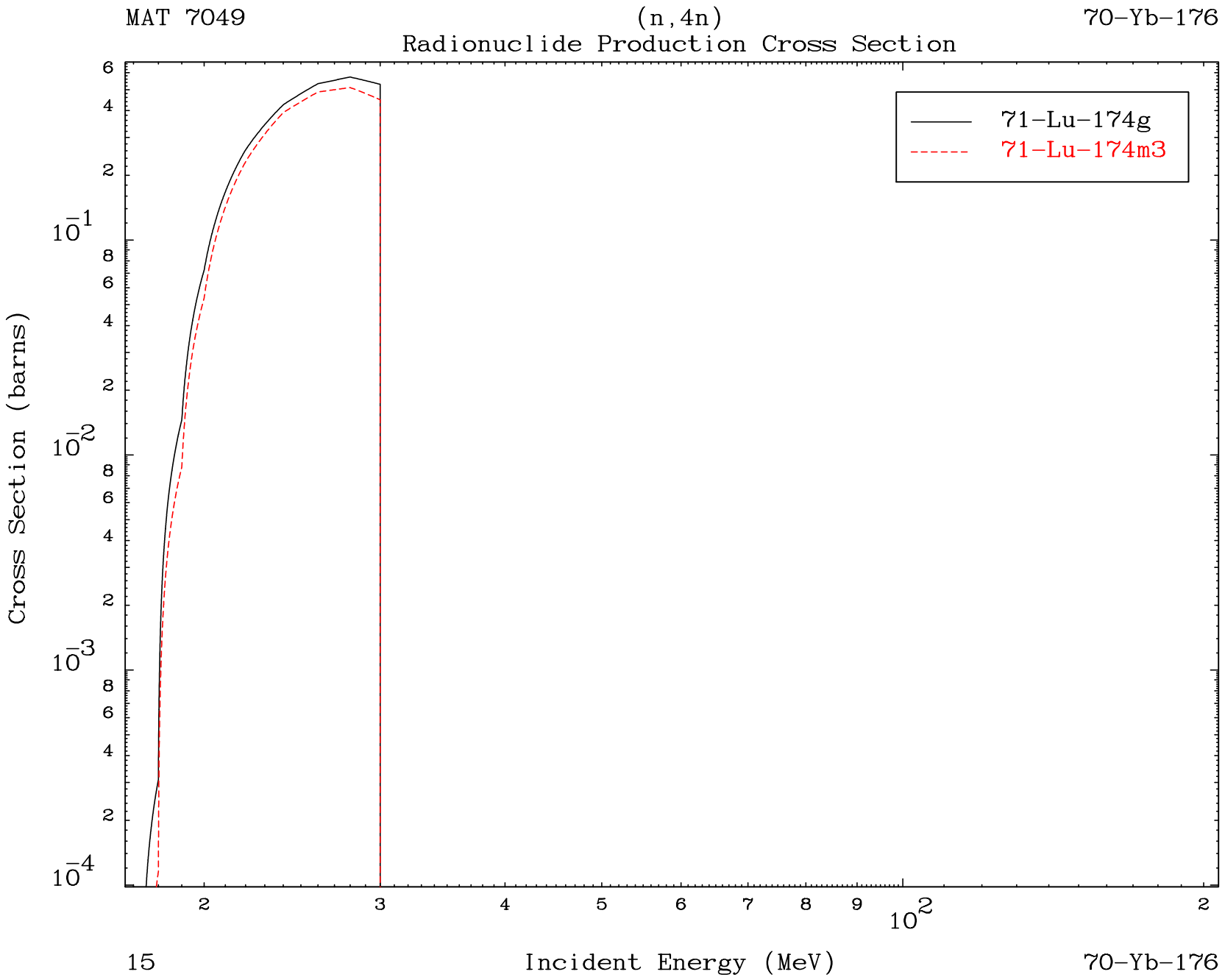

MAT 7049
(d,He3) Levels
70-Yb-176
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
70-Yb-176

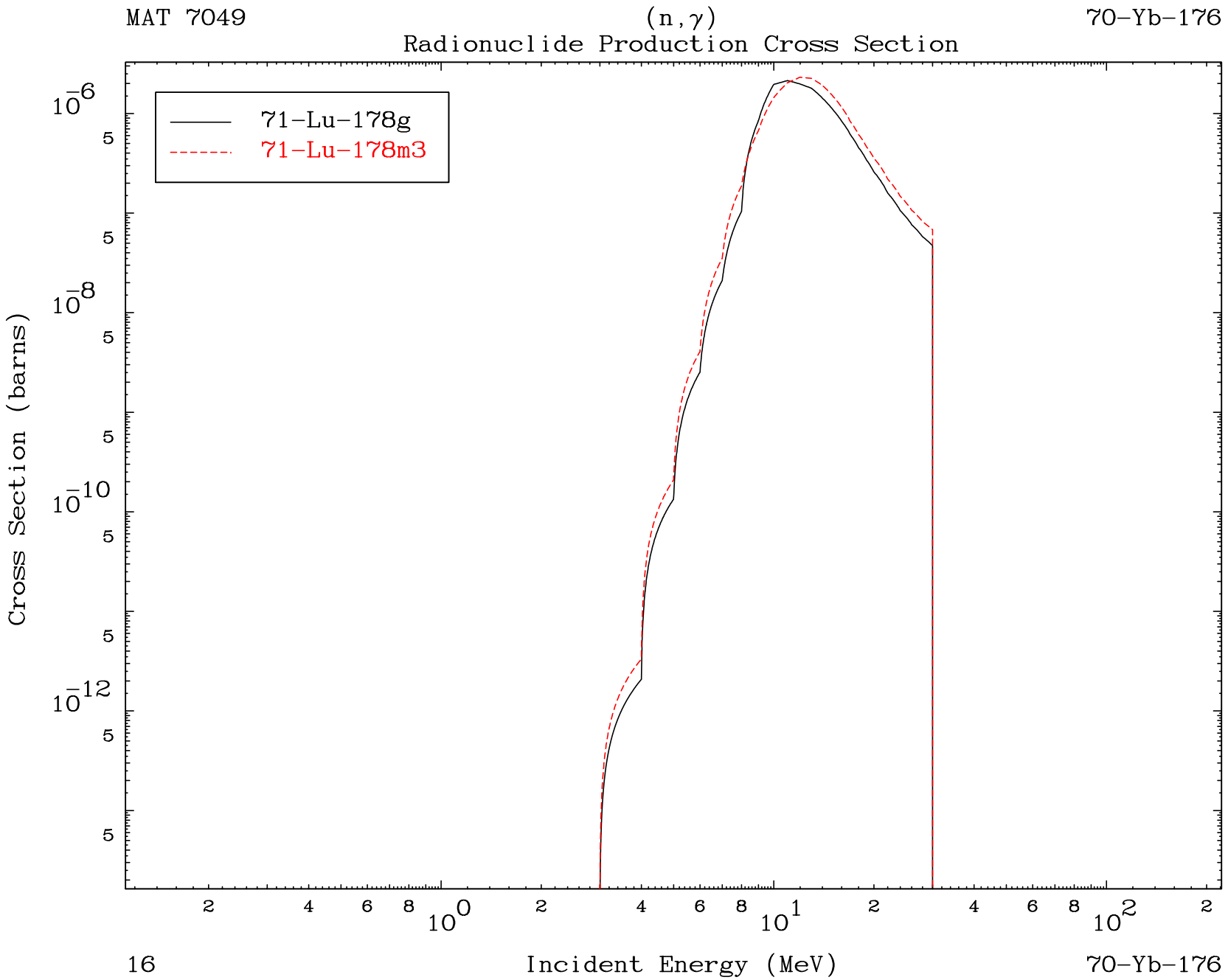

MAT 7049
(d,α) Levels
70-Yb-176
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
11
70-Yb-176

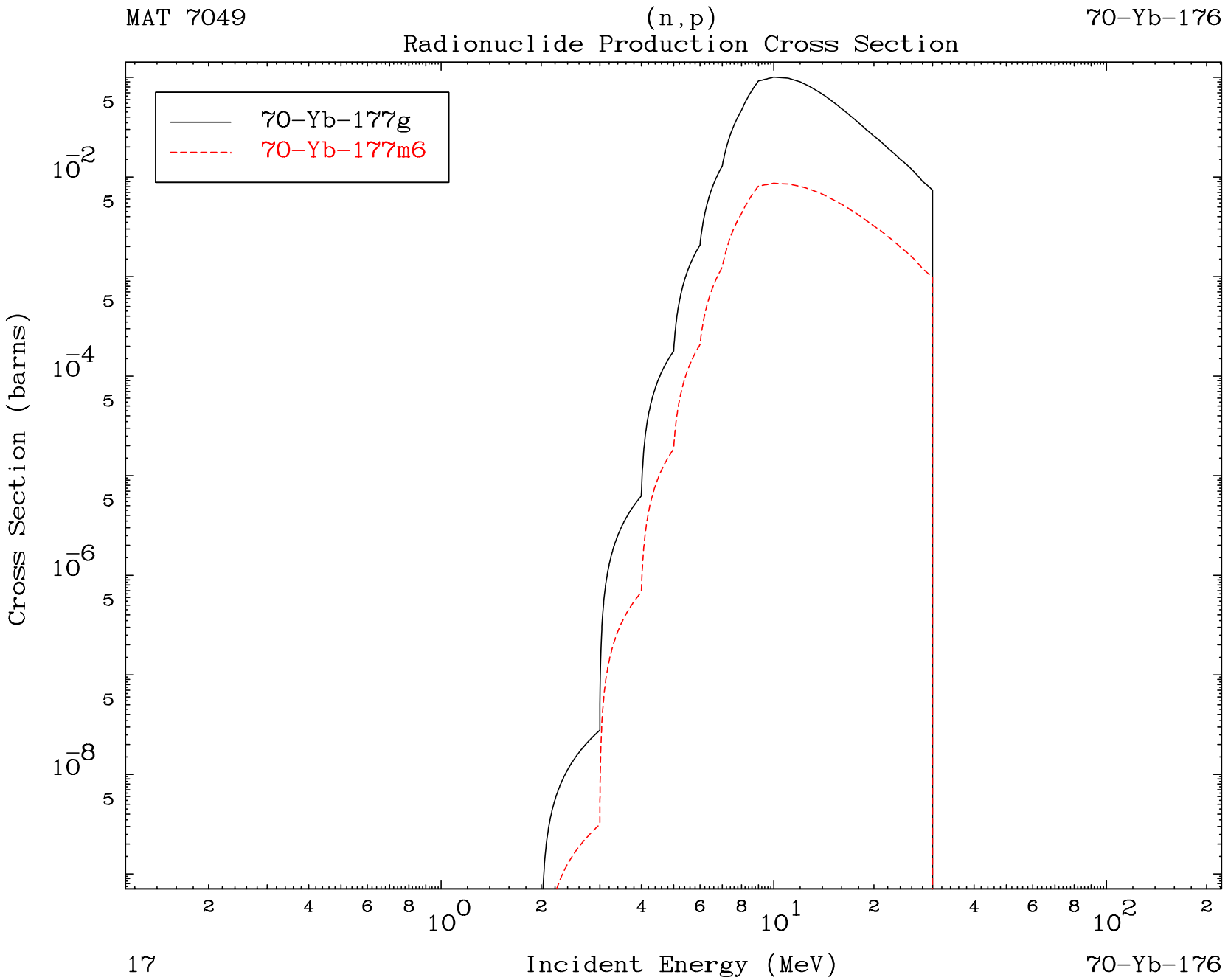

MAT 7049
Inelastic
70-Yb-176
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
12
70-Yb-176

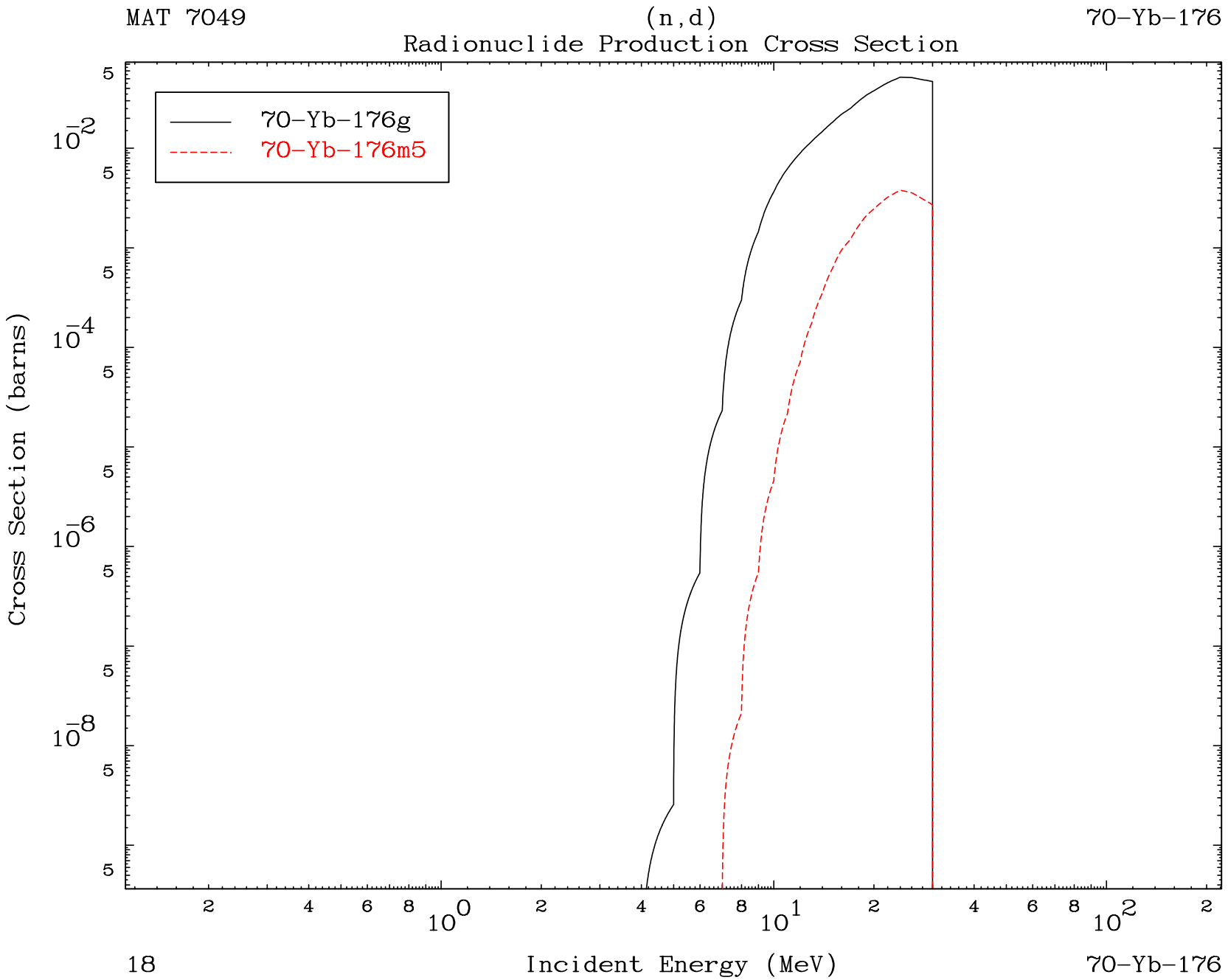

MAT 7049
(n,2n)
70-Yb-176
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
Incident Energy (MeV)
13
70-Yb-176

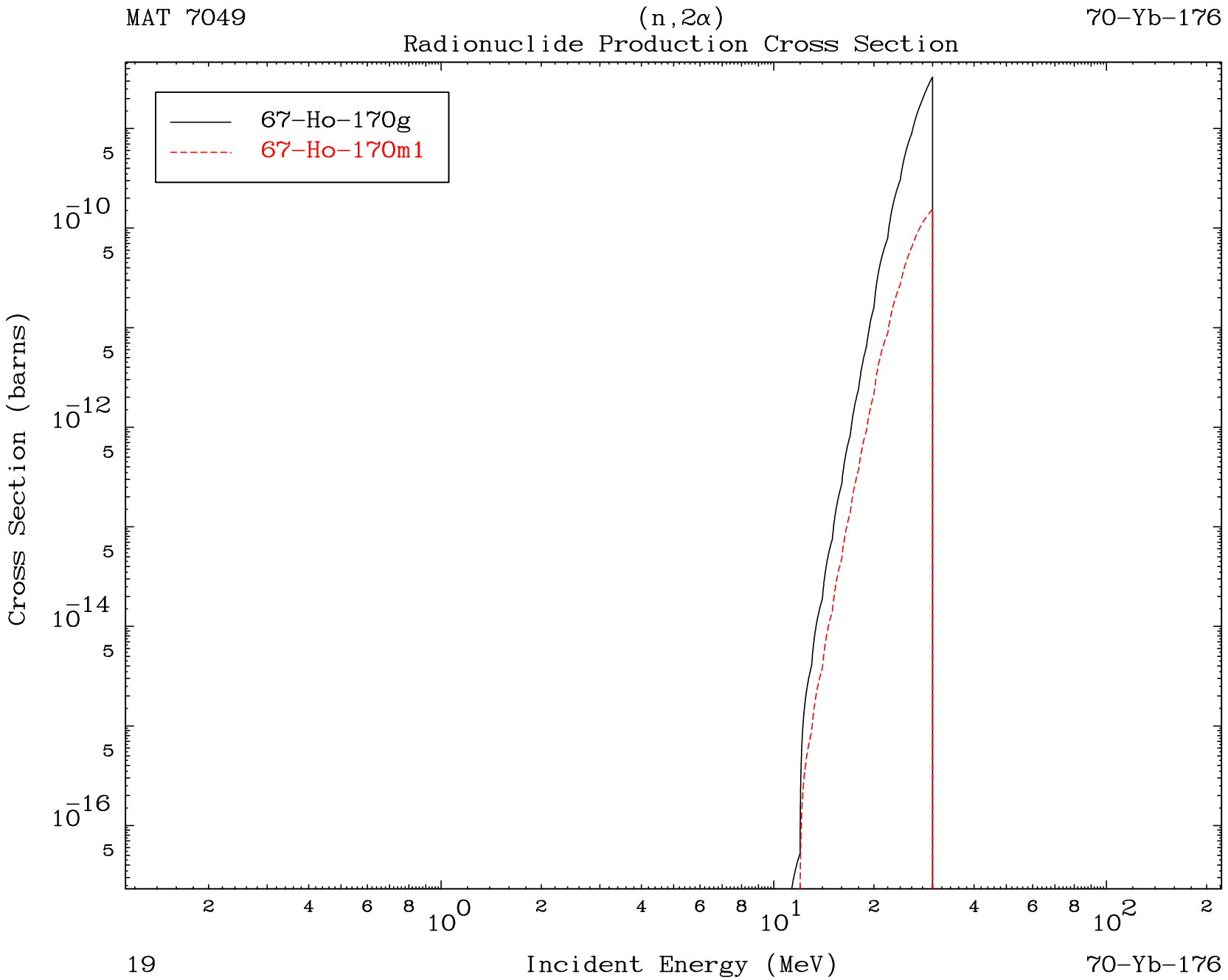

MAT 7049
(n,n') p
70-Yb-176
Radionuclide Production Cross Section
70-Yb-176g
70-Yb-176m5
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
14
Incident Energy (MeV)
70-Yb-176


MAT 7049
(n,4n)
70-Yb-176
Radionuclide Production Cross Section
71-Lu-174g
71-Lu-174m3
Cross Section (barns)
Incident Energy (MeV)
15
70-Yb-176


MAT 7049
(n,γ)
70-Yb-176
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
16
70-Yb-176


MAT 7049
(n,p)
70-Yb-176
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
17
70-Yb-176


MAT 7049
(n,d)
70-Yb-176
Radionuclide Production Cross Section
70-Yb-176g
70-Yb-176m5
Cross Section (barns)
Incident Energy (MeV)
18
70-Yb-176


MAT 7049
(n,2α)
70-Yb-176
Radionuclide Production Cross Section
67-Ho-170g
67-Ho-170m1
Cross Section (barns)
Incident Energy (MeV)
19
70-Yb-176