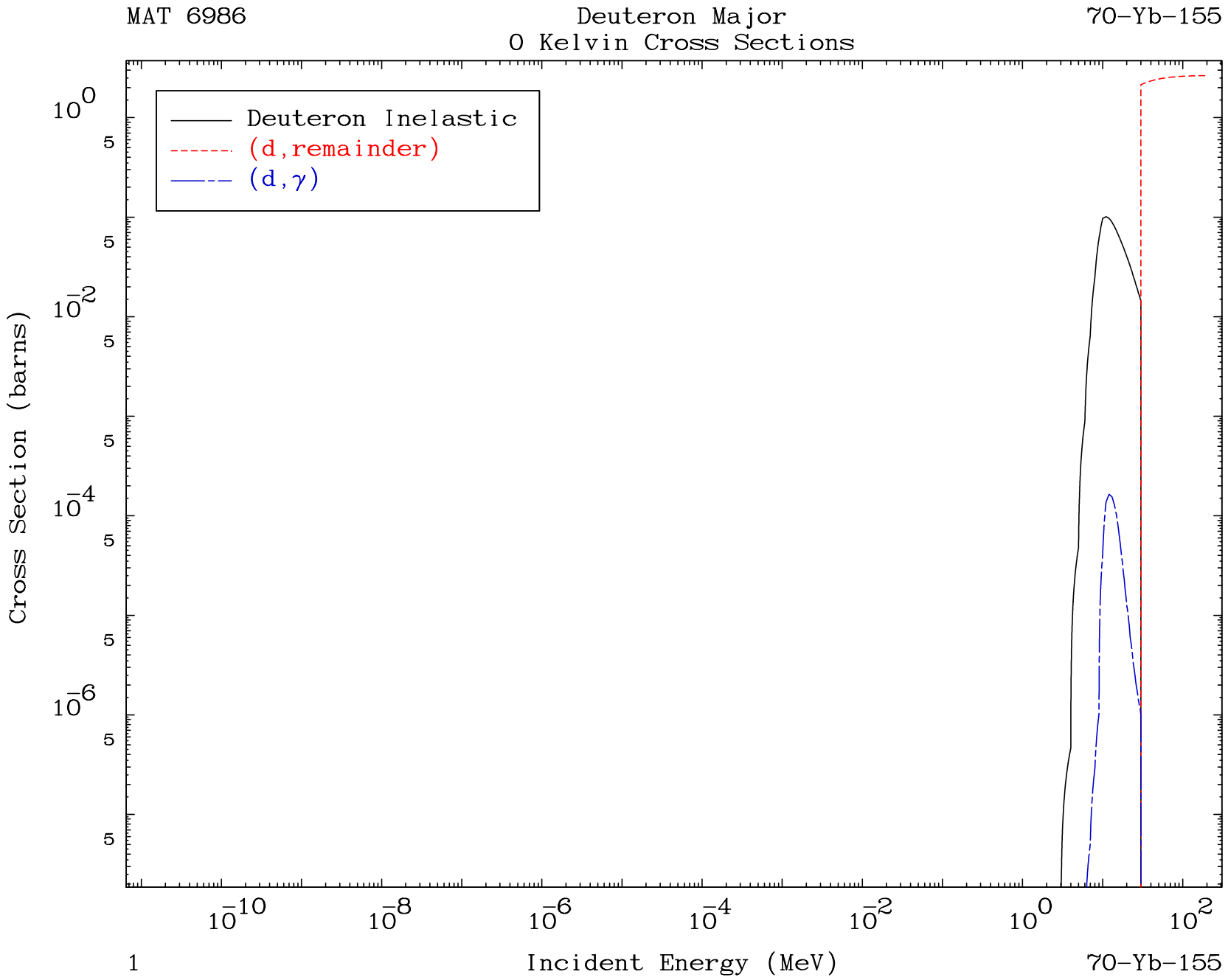
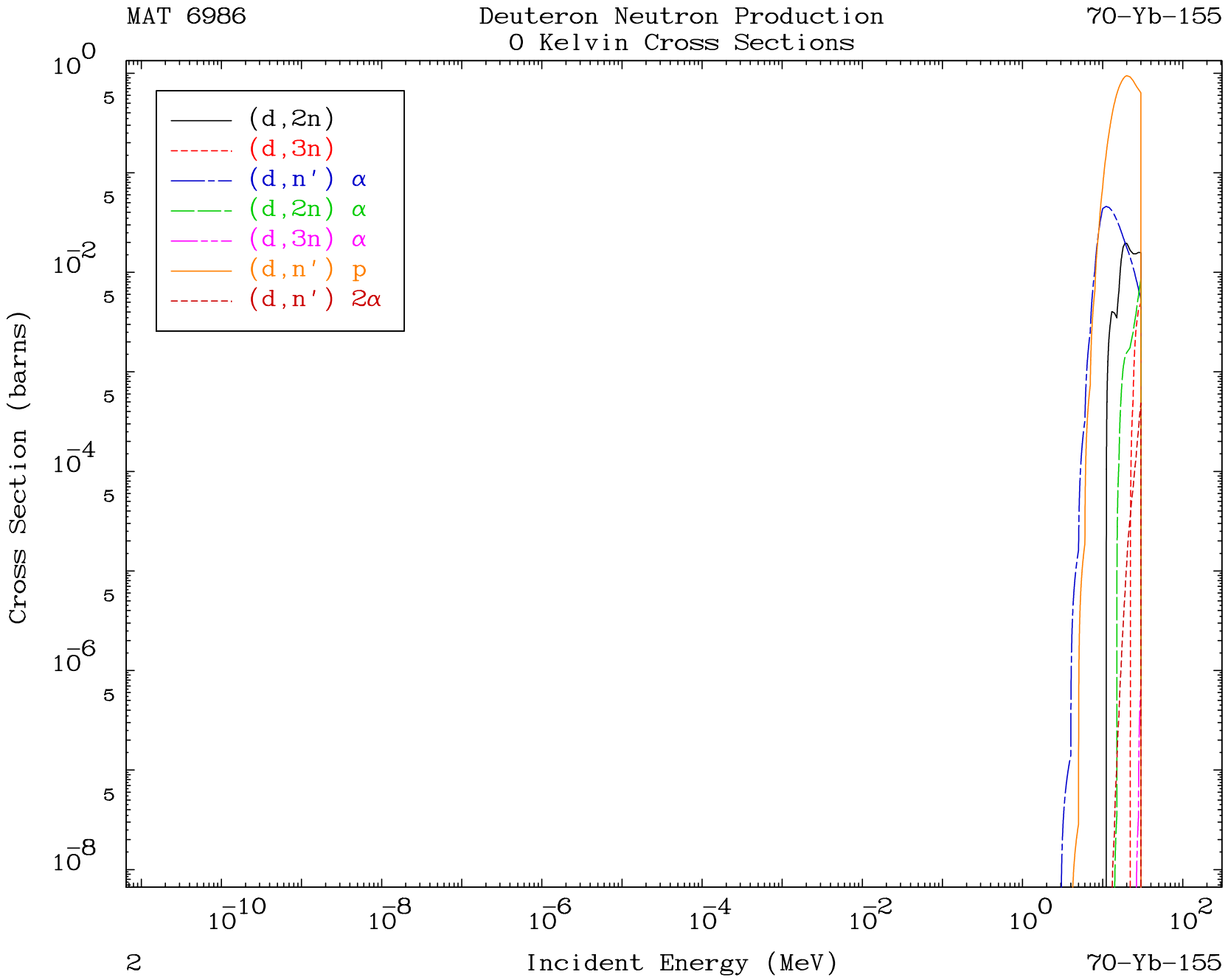
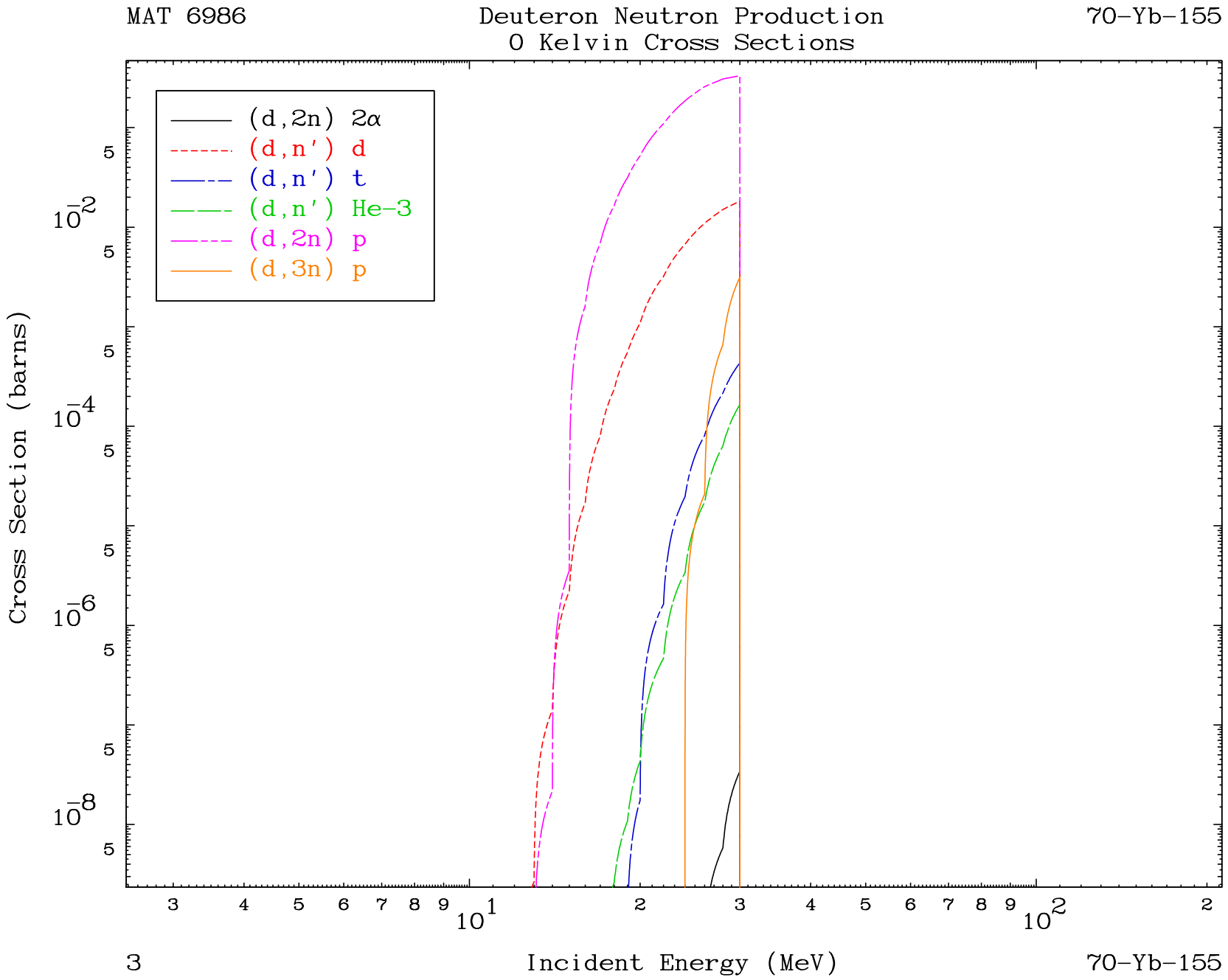
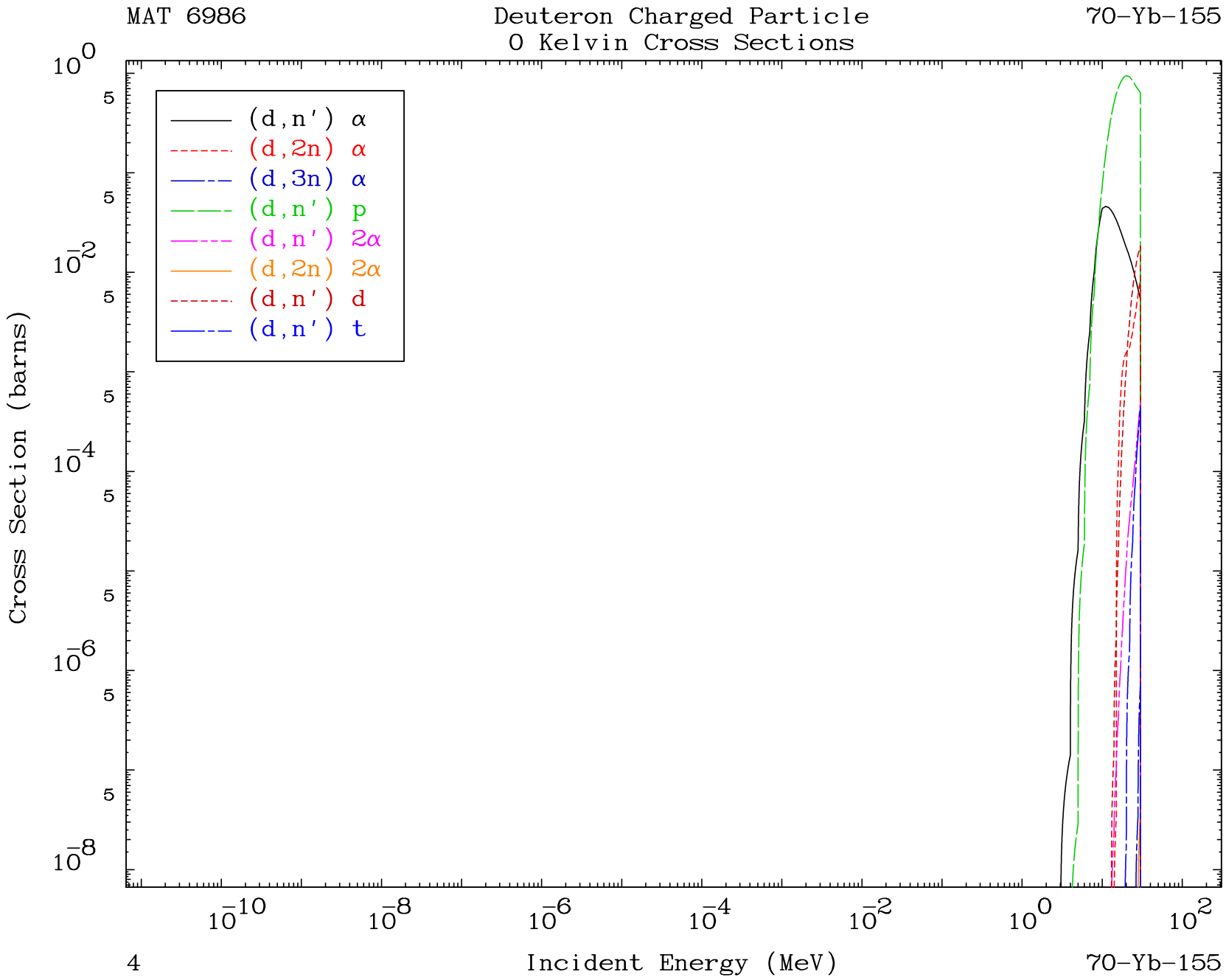
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

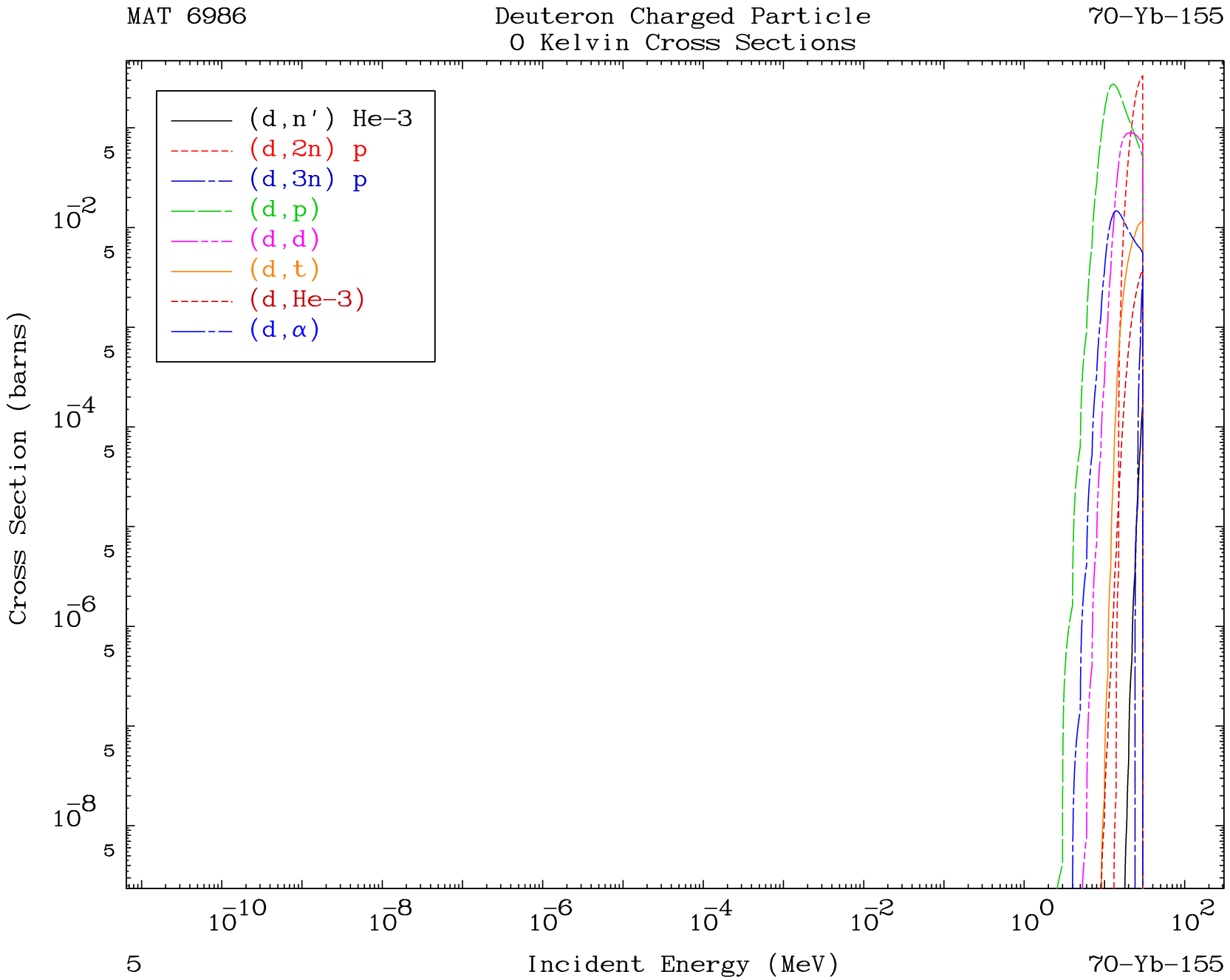
Press Mouse Button to Start

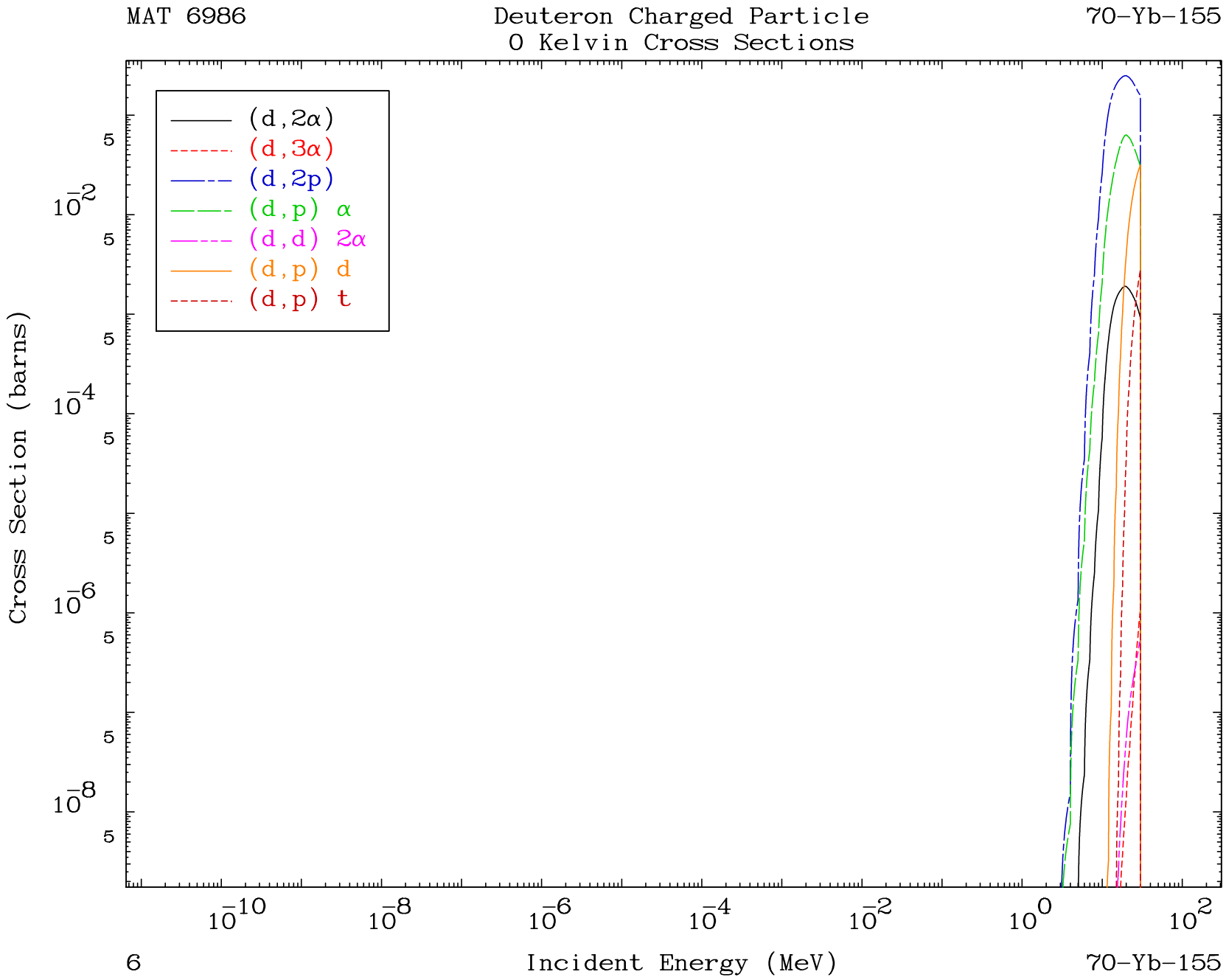

MAT 6986
Deuteron Major
0 Kelvin Cross Sections
70-Yb-155
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
1
70-Yb-155

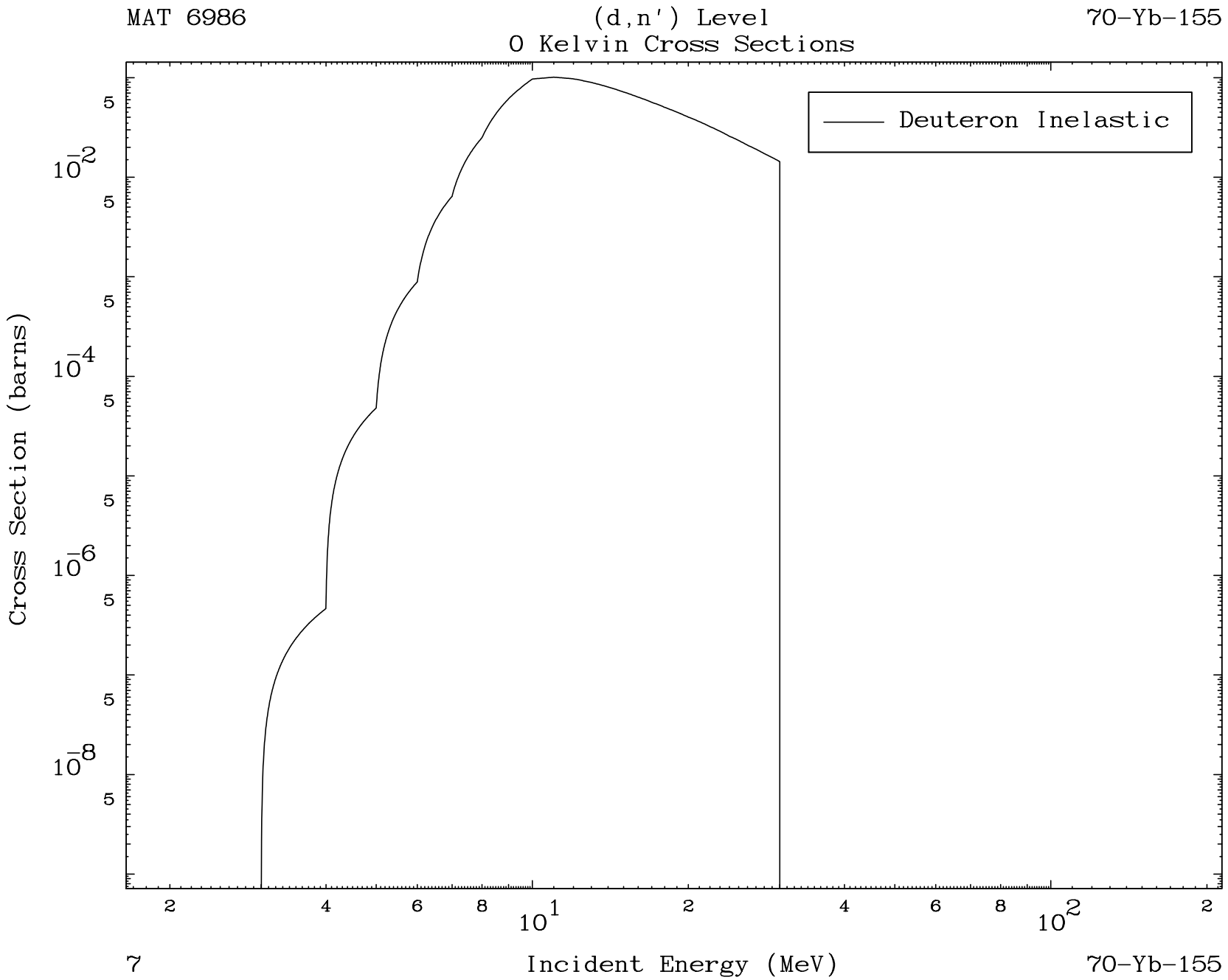

MAT 6986
Deuteron Neutron Production
0 Kelvin Cross Sections
70-Yb-155
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
70-Yb-155

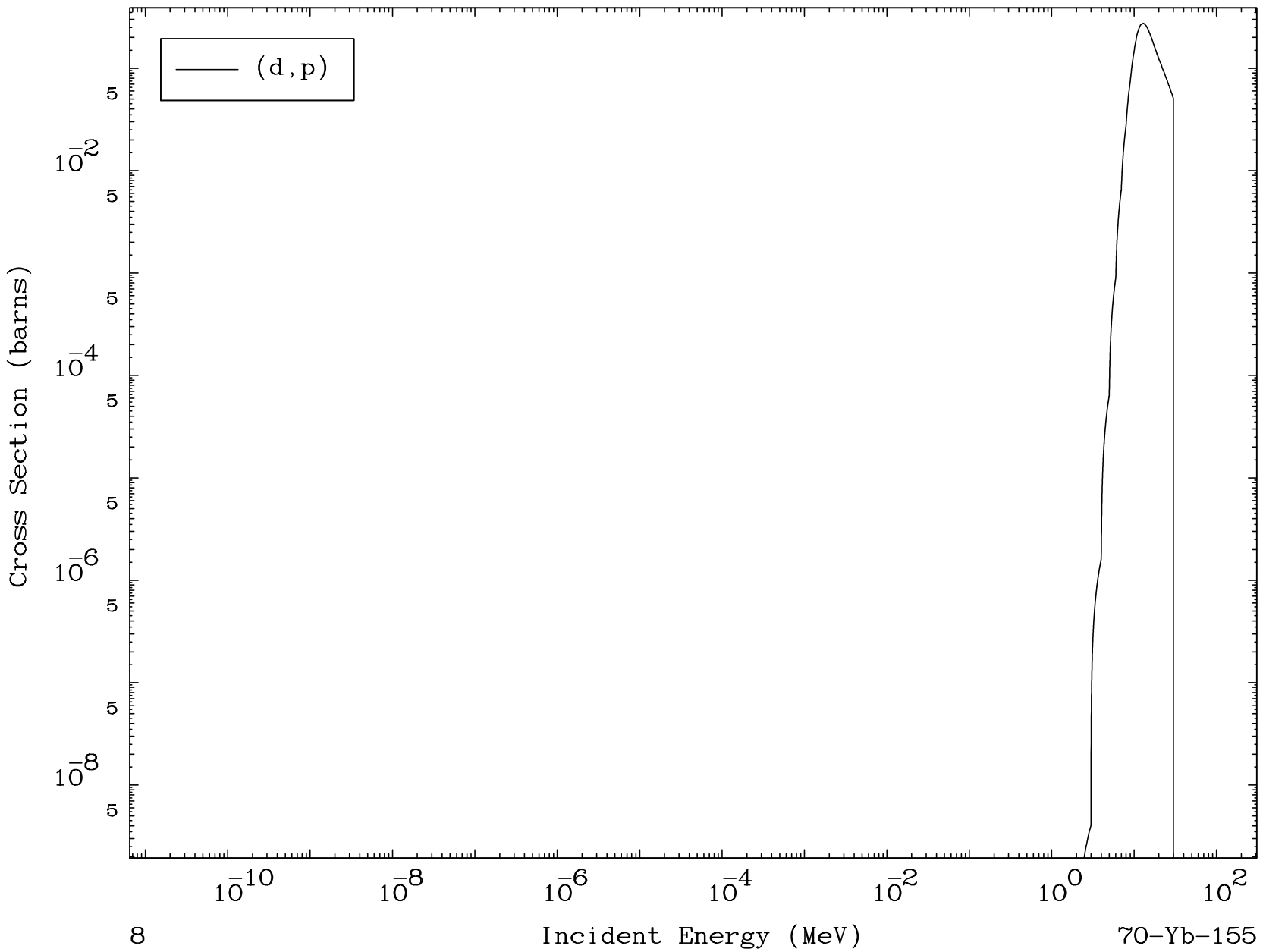

MAT 6986
Deuteron Neutron Production
0 Kelvin Cross Sections
70-Yb-155
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^1
10^2
Incident Energy (MeV)
3
70-Yb-155

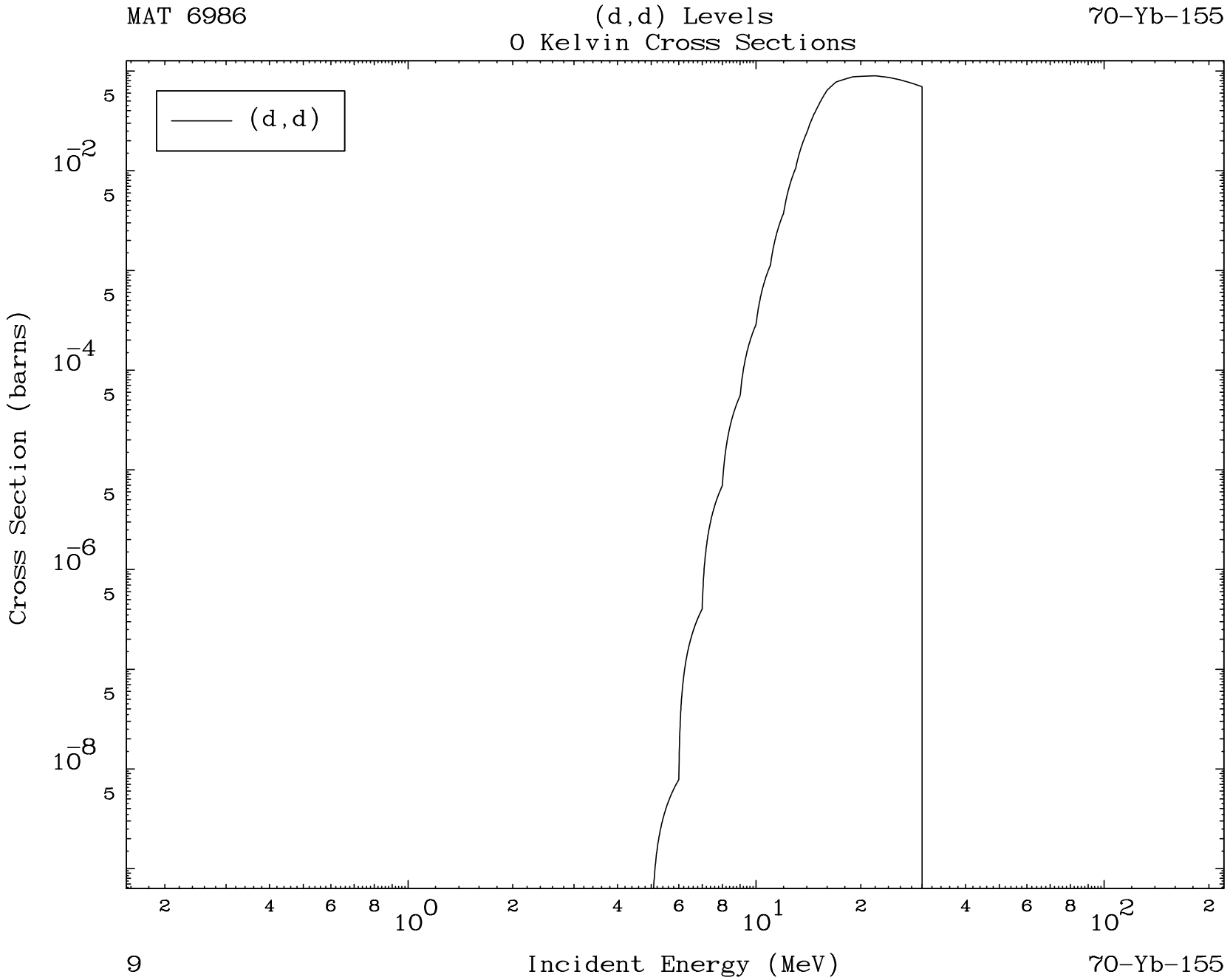

MAT 6986
Deuteron Charged Particle
0 Kelvin Cross Sections
70-Yb-155
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,2n) 2α
(d,n') d
(d,n') t
Cross Section (barns)
Incident Energy (MeV)
4
70-Yb-155

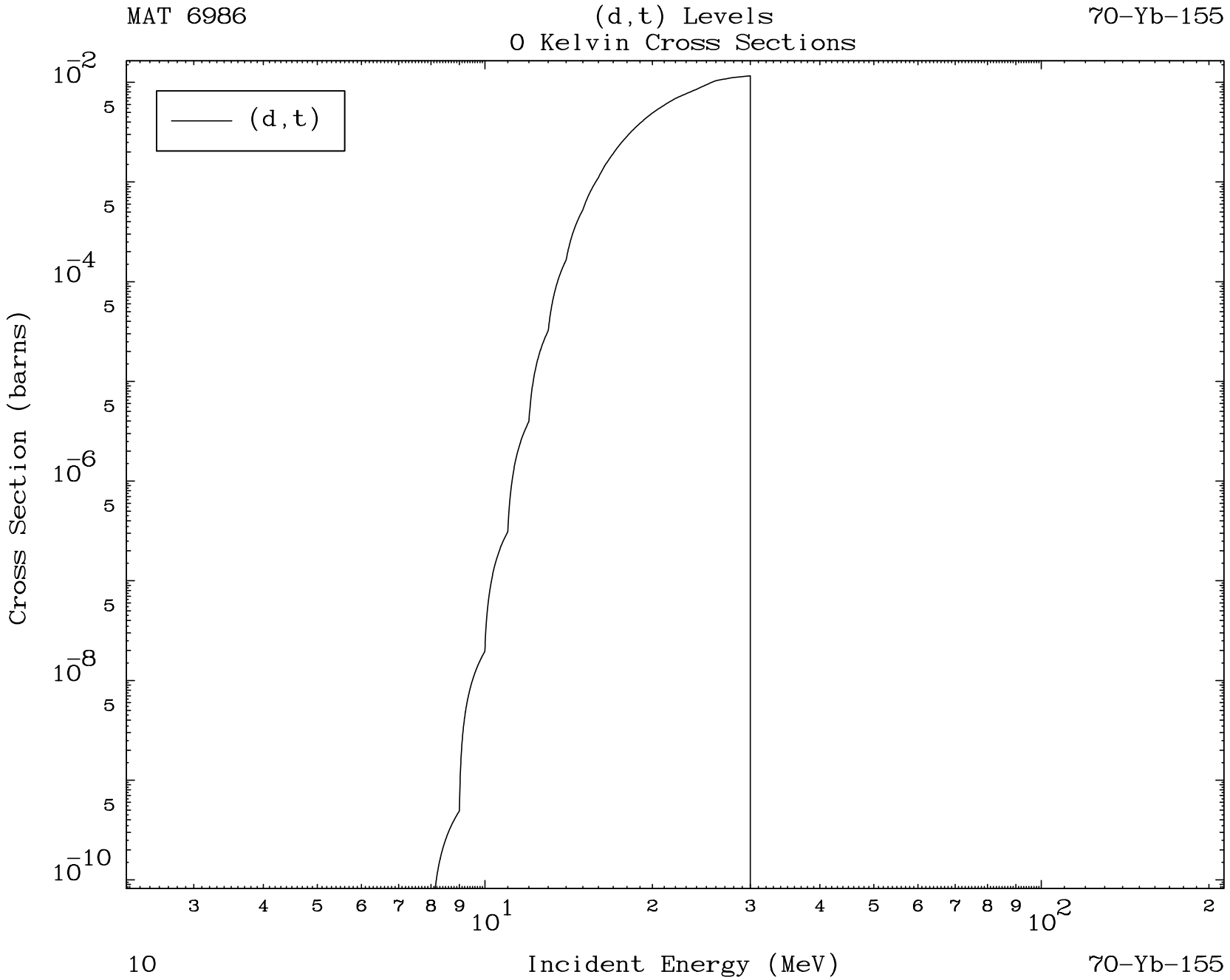

MAT 6986
Deuteron Charged Particle
0 Kelvin Cross Sections
70-Yb-155
(d,n') He-3
(d,2n) p
(d,3n) p
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-155

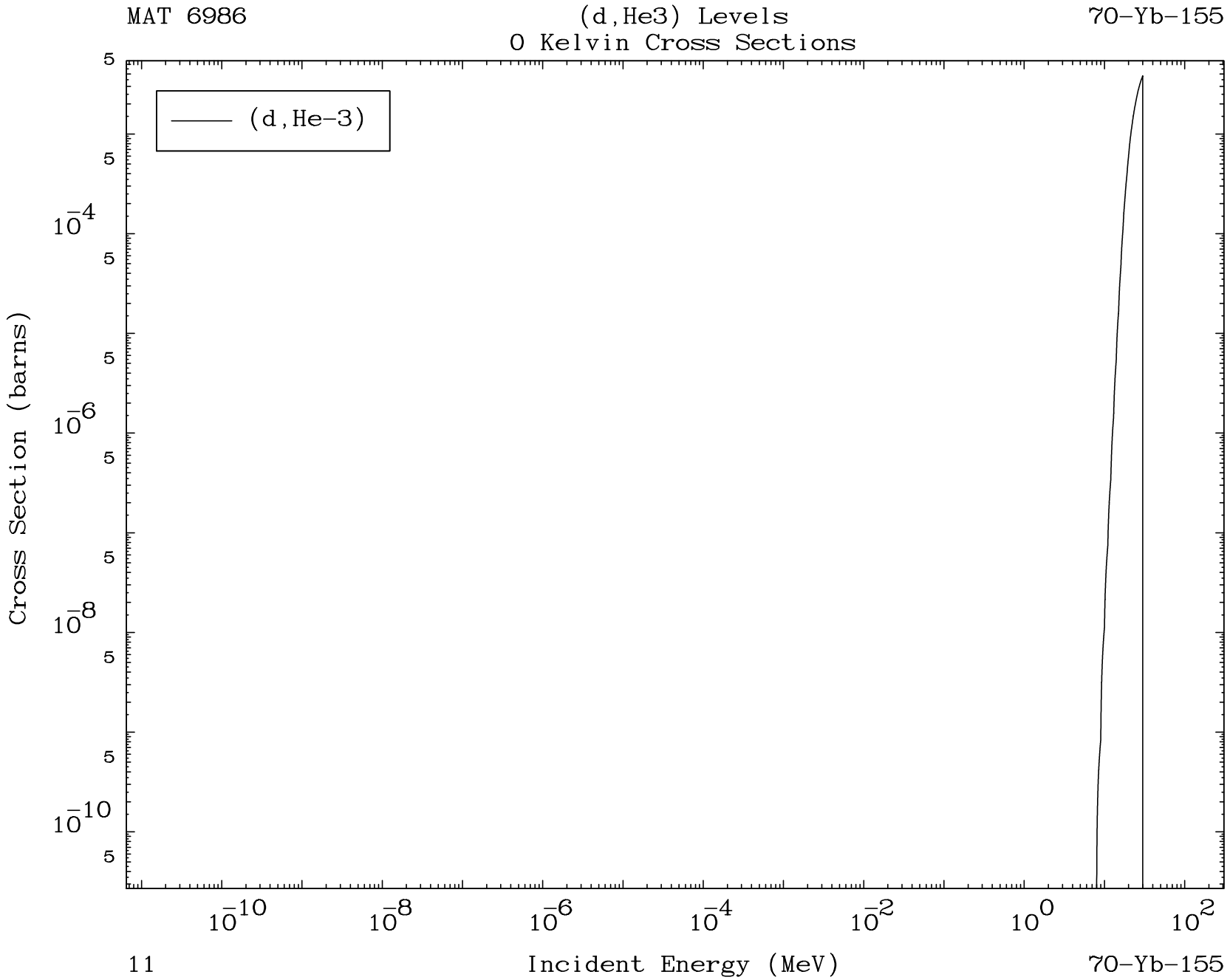

MAT 6986
Deuteron Charged Particle
0 Kelvin Cross Sections
70-Yb-155
(d,2α)
(d,3α)
(d,2p)
(d,p) α
(d,d) 2α
(d,p) d
(d,p) t
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
6
70-Yb-155

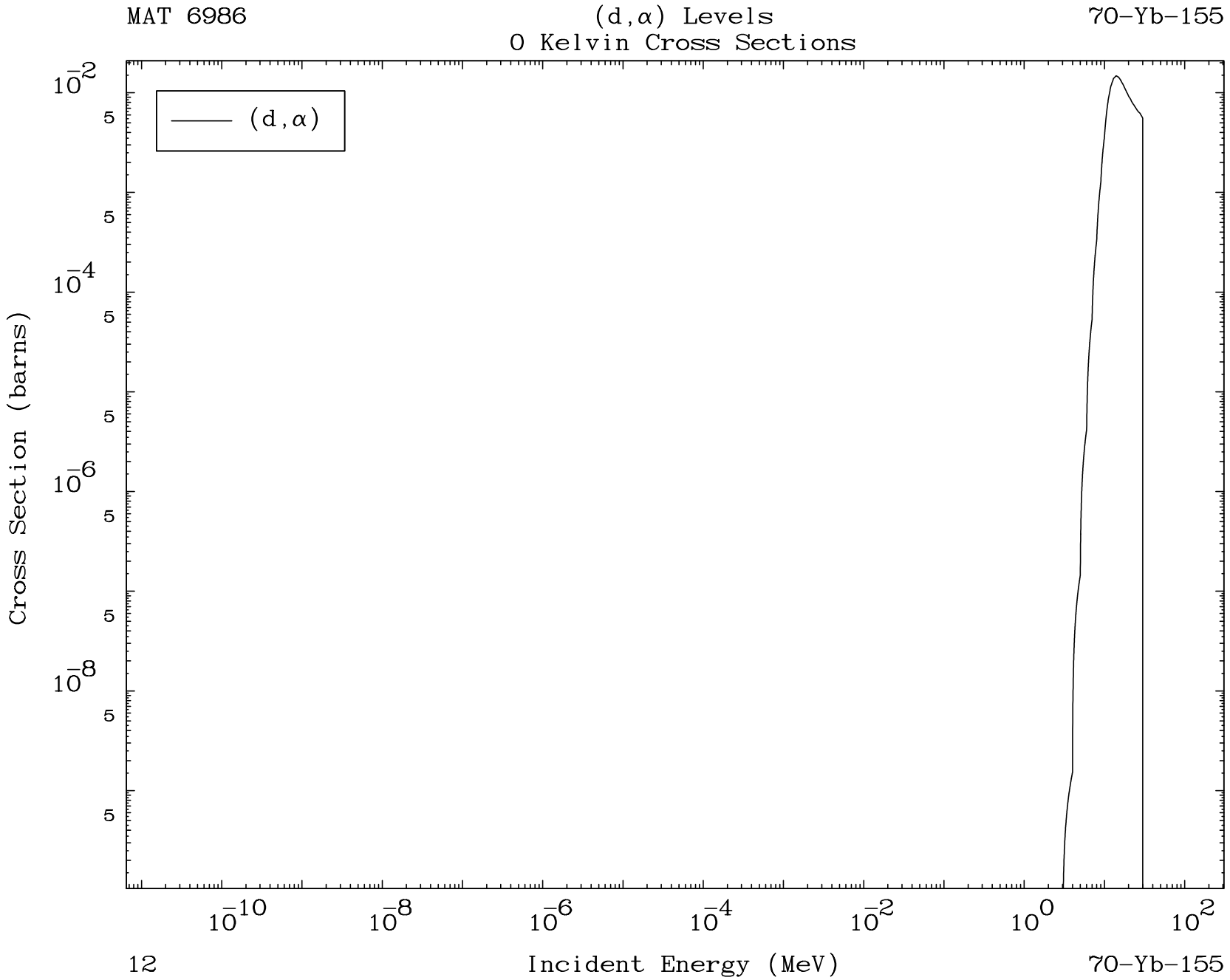

MAT 6986
(d,n') Level
70-Yb-155
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10 1
10 2
Incident Energy (MeV)
7
70-Yb-155

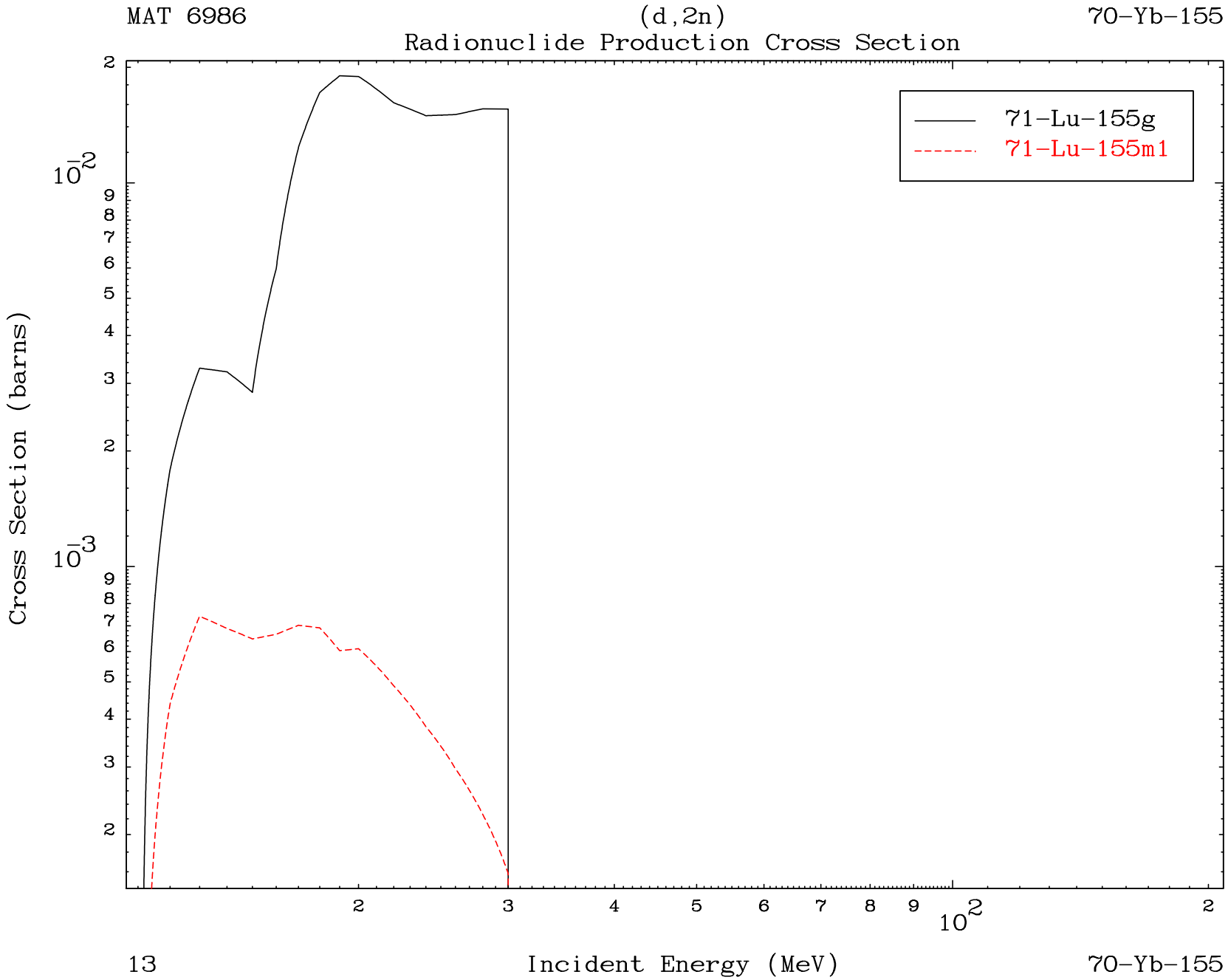

0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)

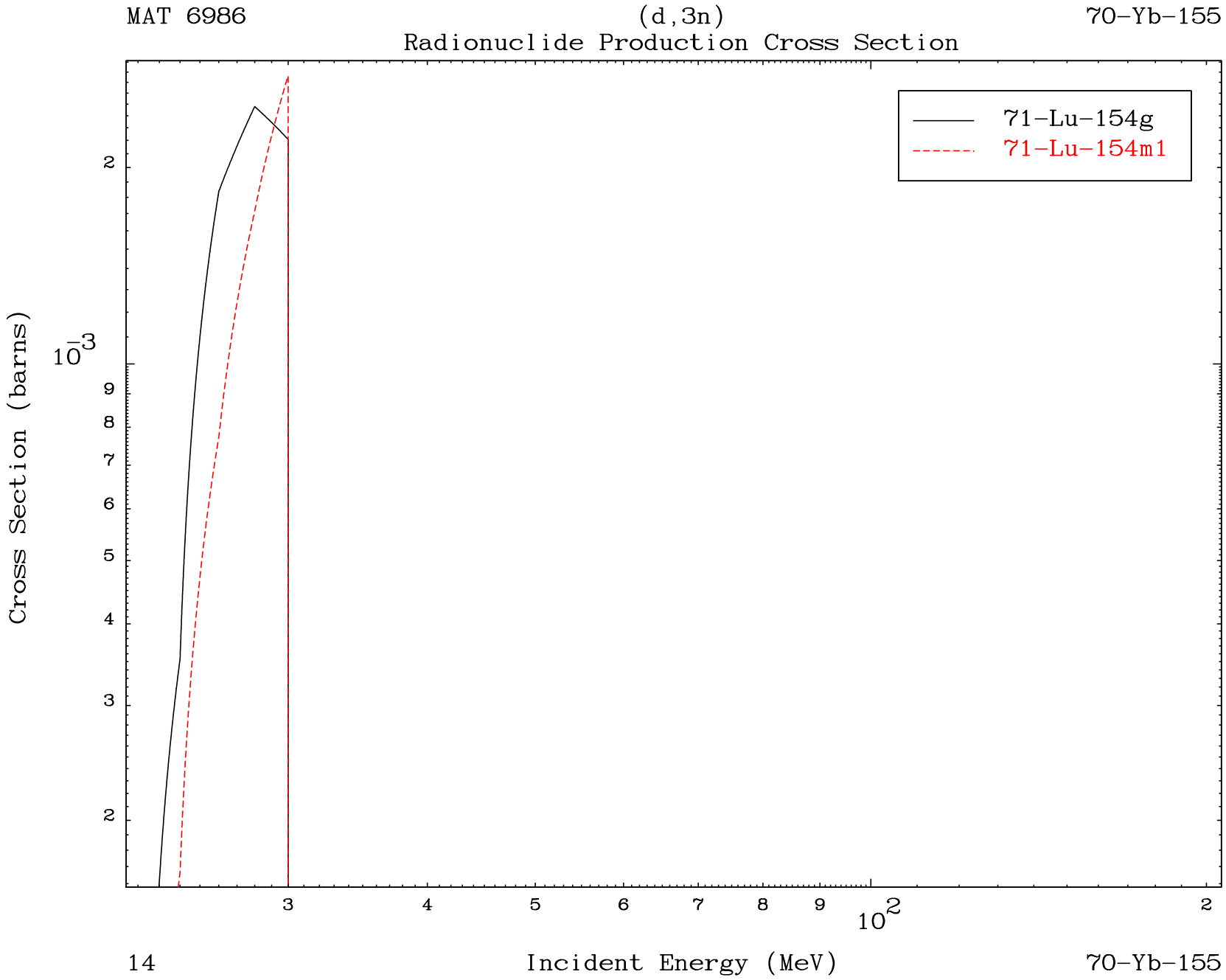

MAT 6986
(d,d) Levels
70-Yb-155
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
9
70-Yb-155

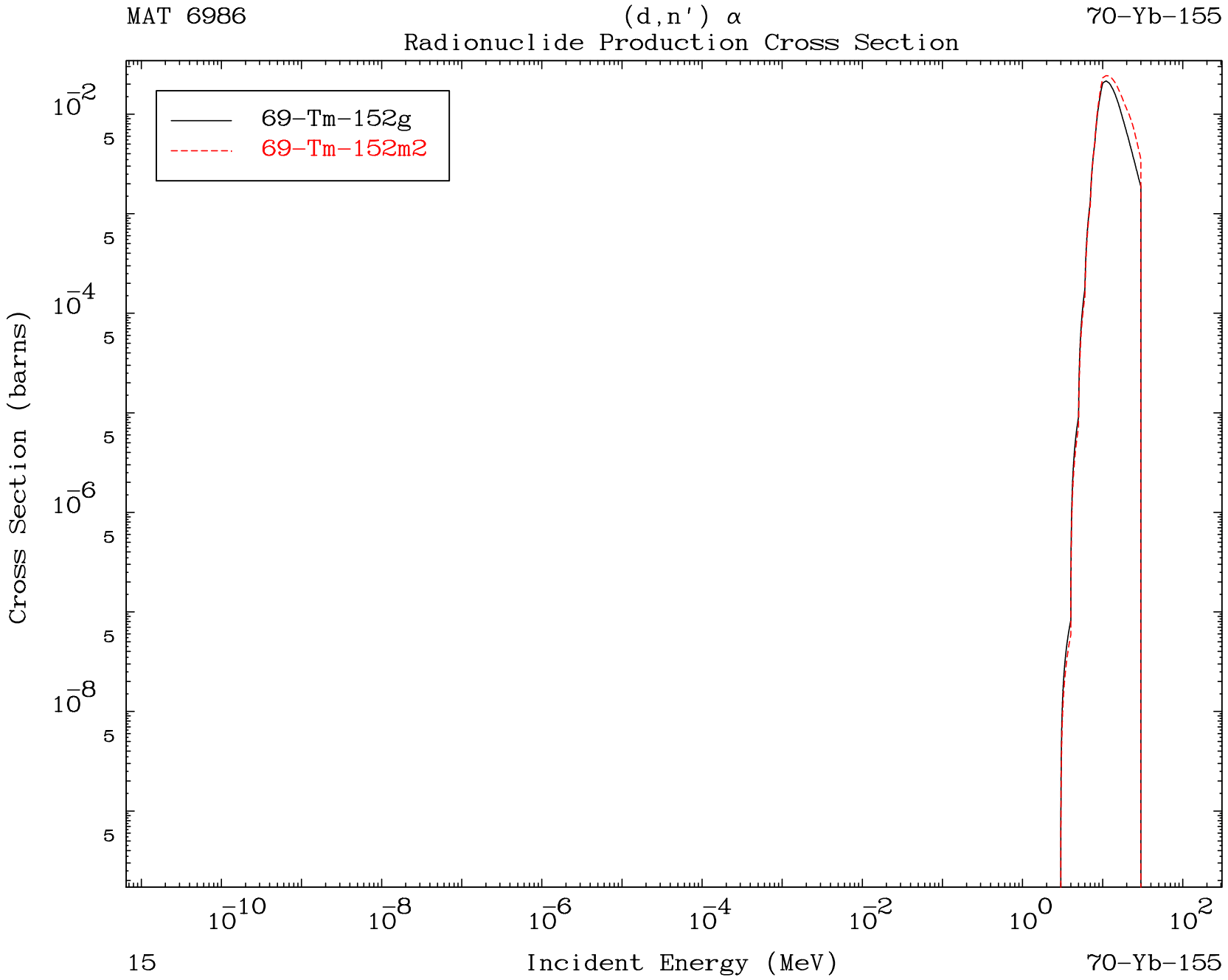

MAT 6986
(d,t) Levels
70-Yb-155
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
10
70-Yb-155

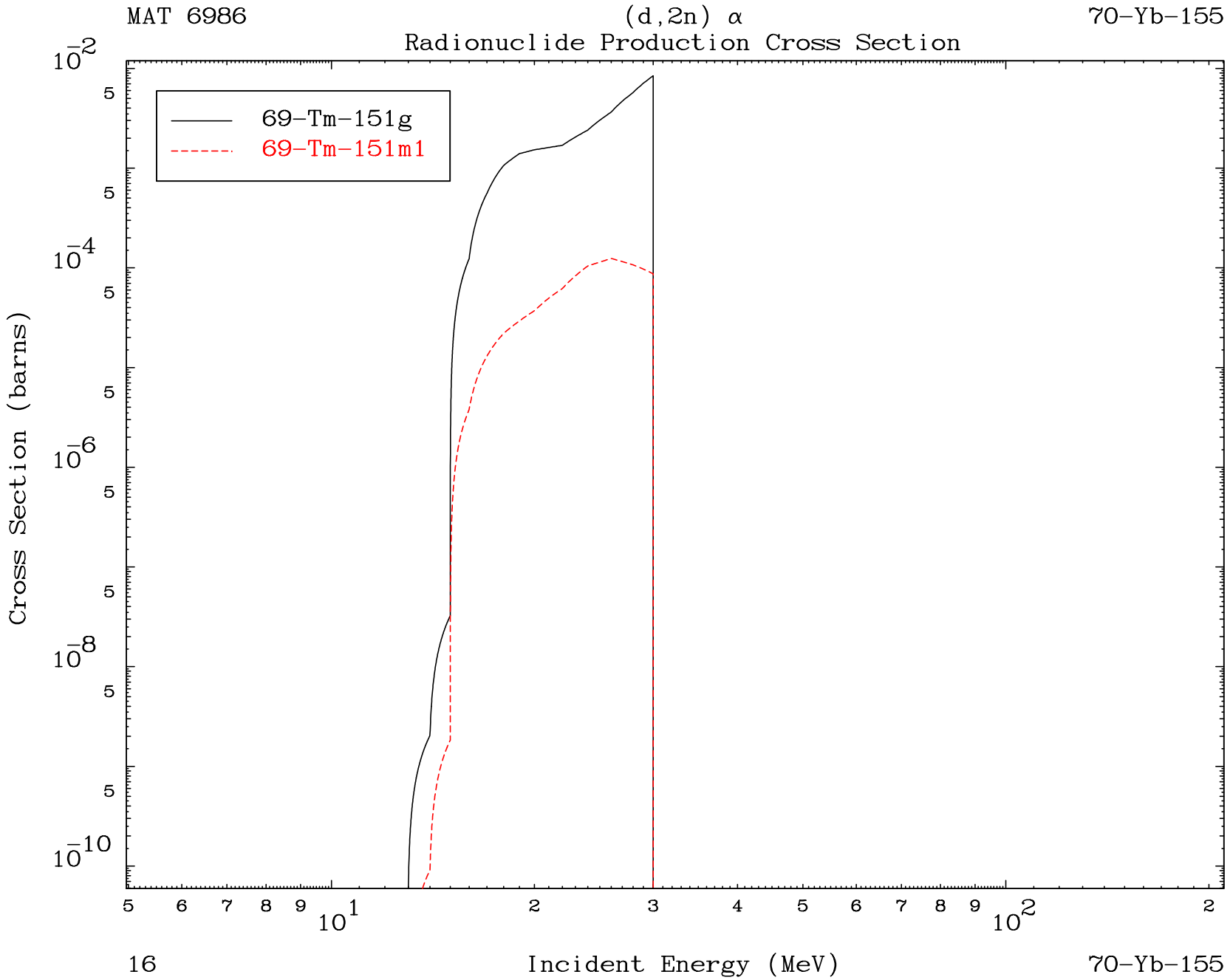

MAT 6986
(d,He3) Levels
70-Yb-155
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
70-Yb-155

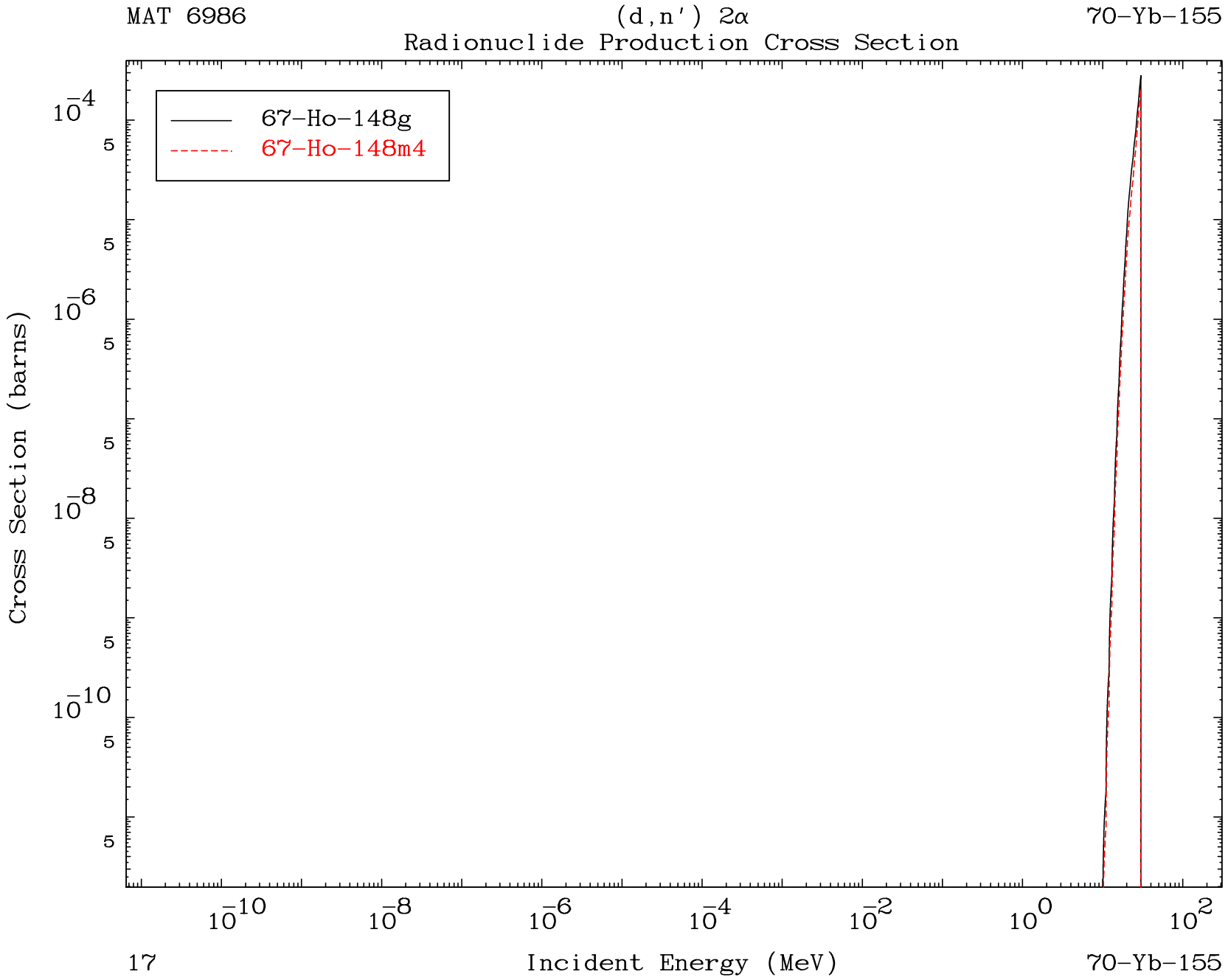

MAT 6986
(d,α) Levels
70-Yb-155
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
Incident Energy (MeV)
12
70-Yb-155

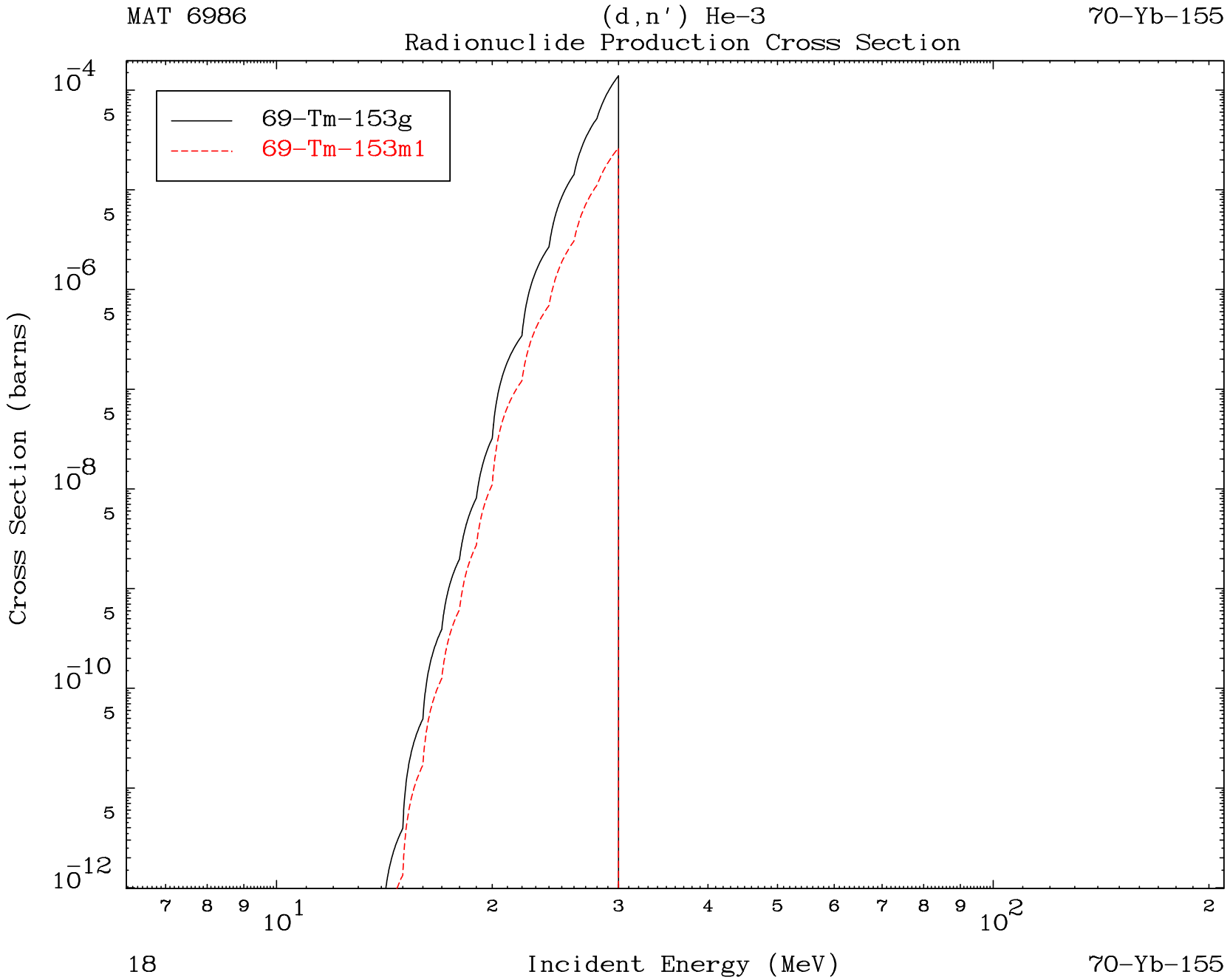

MAT 6986
(d,2n)
70-Yb-155
Radionuclide Production Cross Section
71-Lu-155g
71-Lu-155m1
Cross Section (barns)
Incident Energy (MeV)
13
70-Yb-155

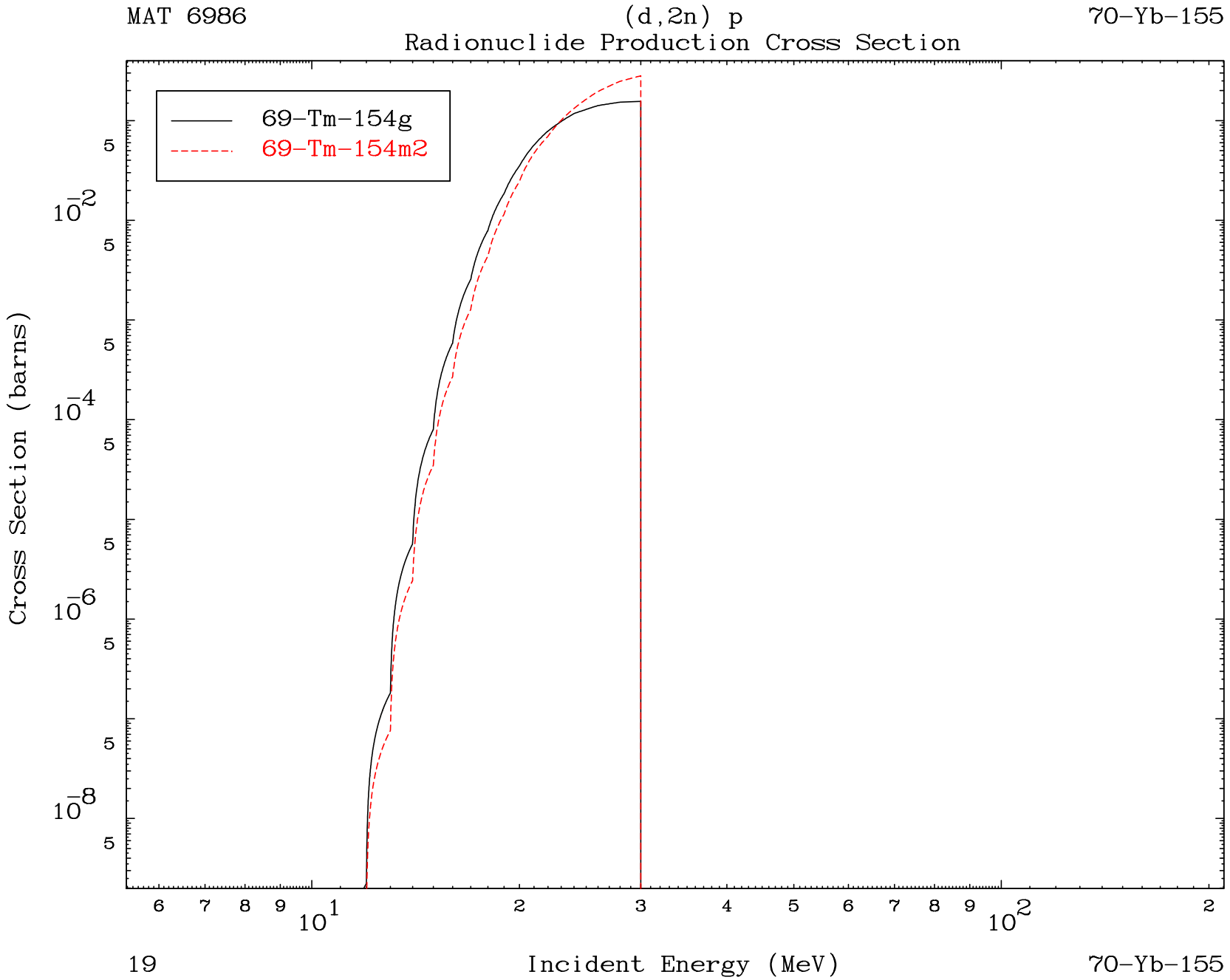

MAT 6986
(d,3n)
70-Yb-155
Radionuclide Production Cross Section
71-Lu-154g
71-Lu-154m1
Cross Section (barns)
10^3
2
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
70-Yb-155

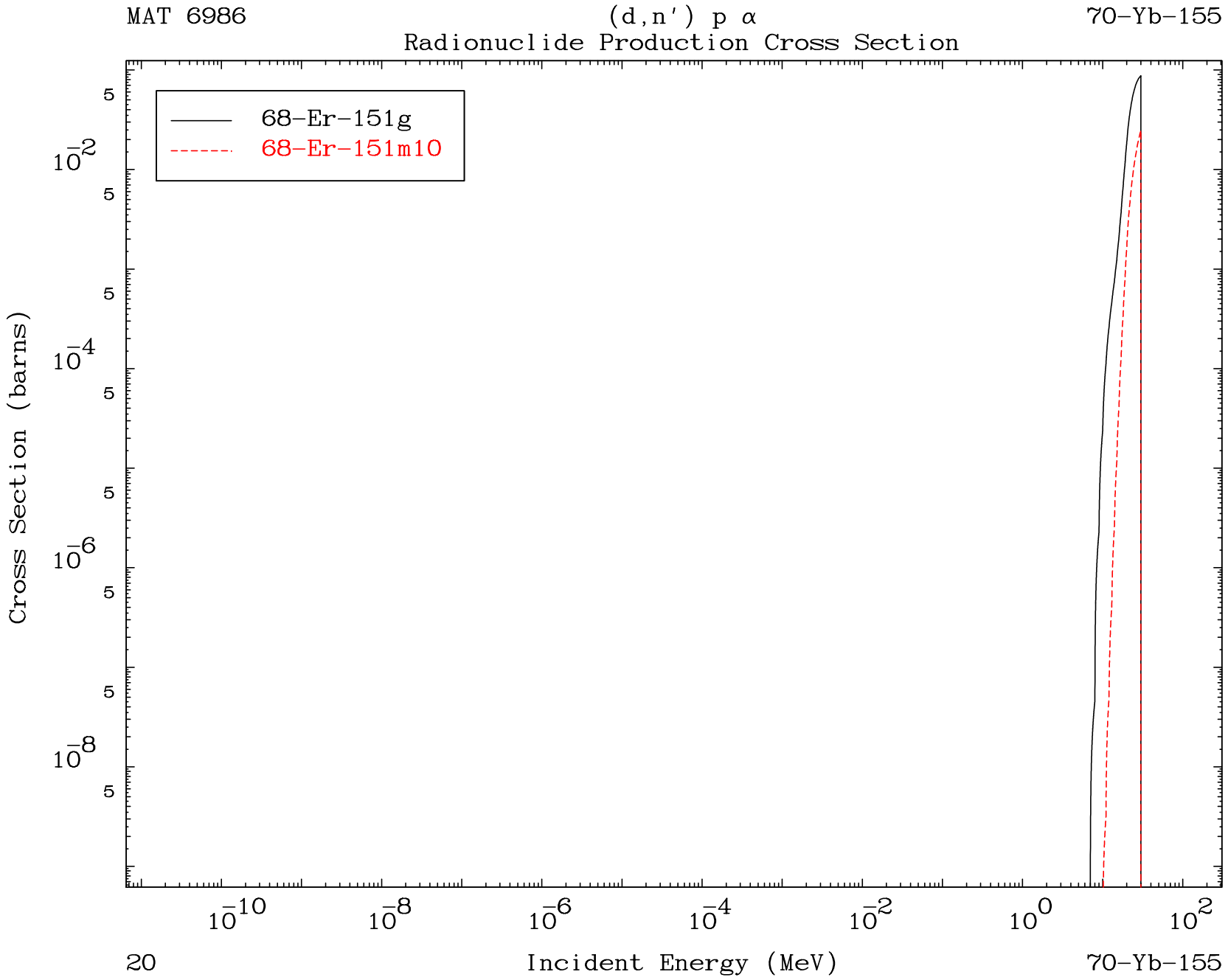

MAT 6986
(d,n') α
70-Yb-155
Radionuclide Production Cross Section
69-Tm-152g
69-Tm-152m2
Cross Section (barns)
Incident Energy (MeV)
15
70-Yb-155

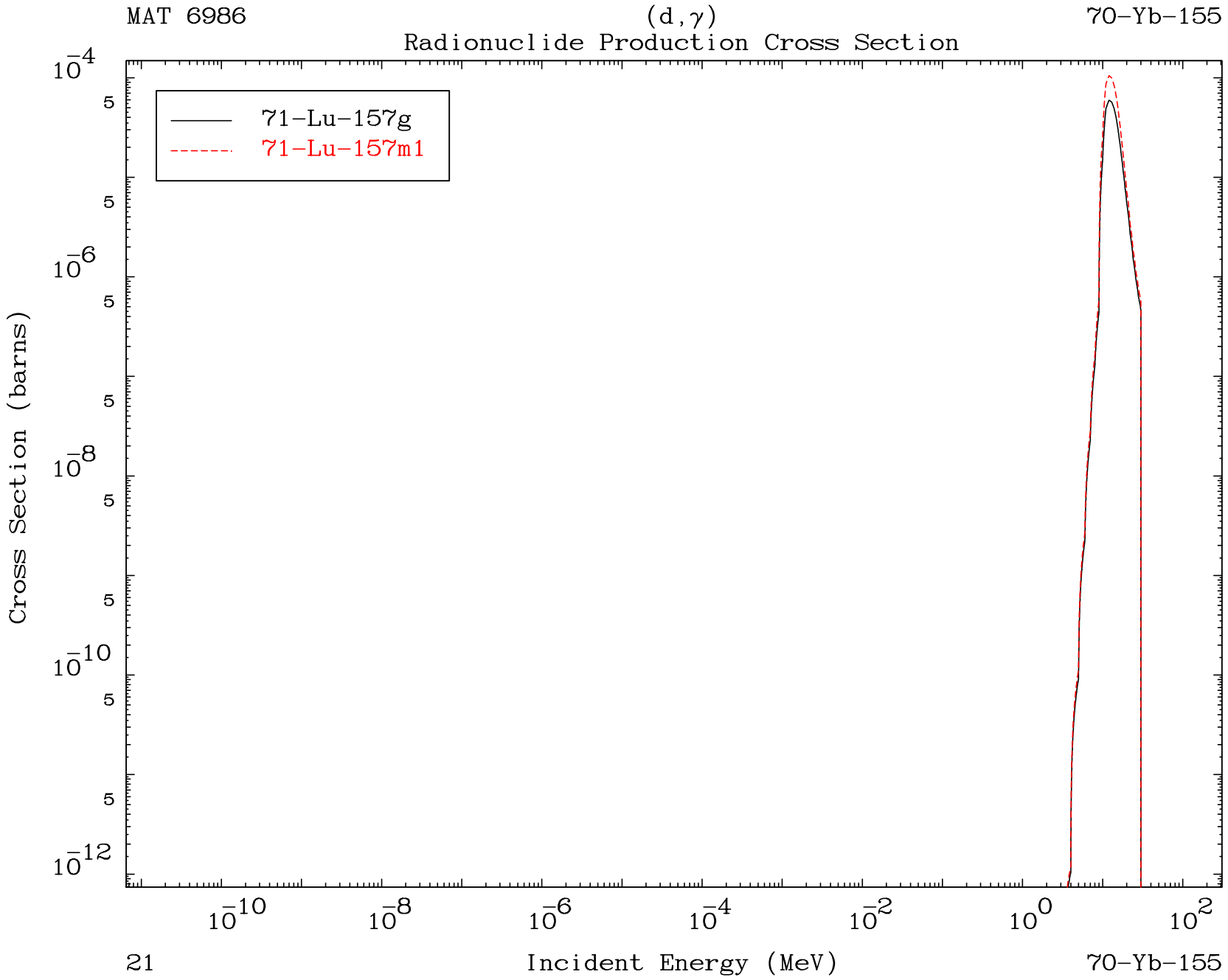

MAT 6986
(d,2n) α
70-Yb-155
Radionuclide Production Cross Section
69-Tm-151g
69-Tm-151m1
Cross Section (barns)
Incident Energy (MeV)
16
70-Yb-155

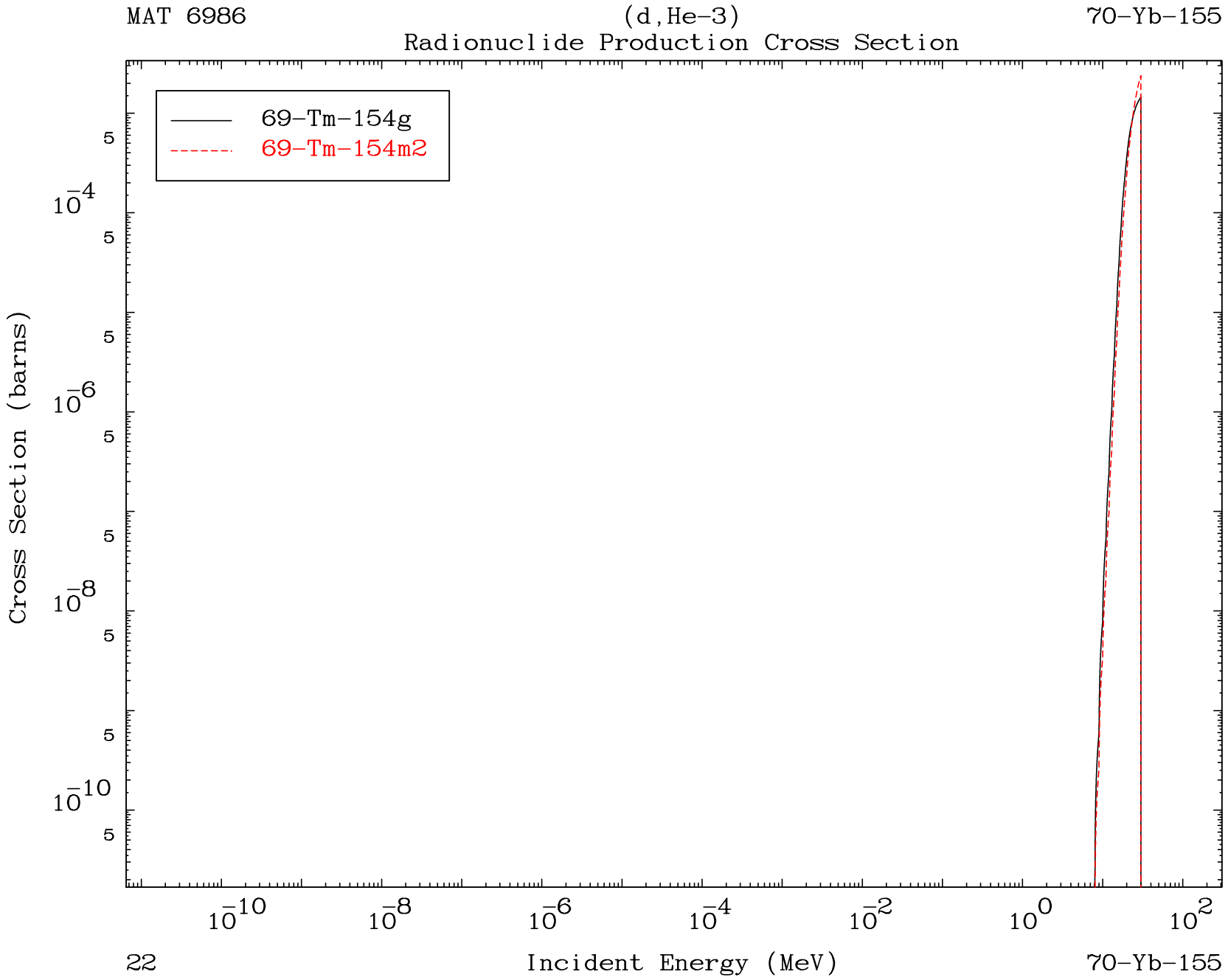

MAT 6986
(d,n') 2α
70-Yb-155
Radionuclide Production Cross Section
67-Ho-148g
67-Ho-148m4
Cross Section (barns)
Incident Energy (MeV)
17
70-Yb-155

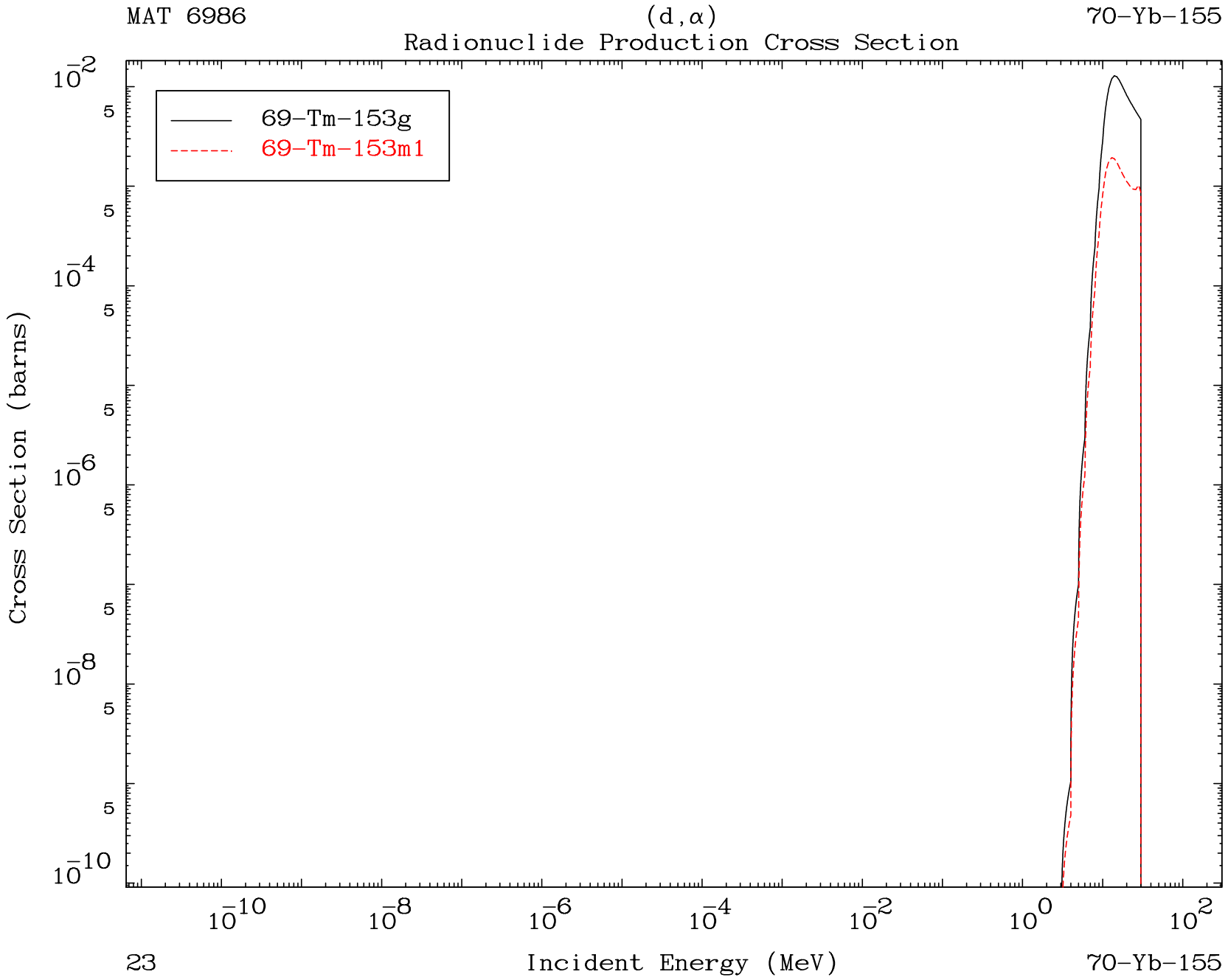

MAT 6986
(d,n') He-3
70-Yb-155
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
18
70-Yb-155

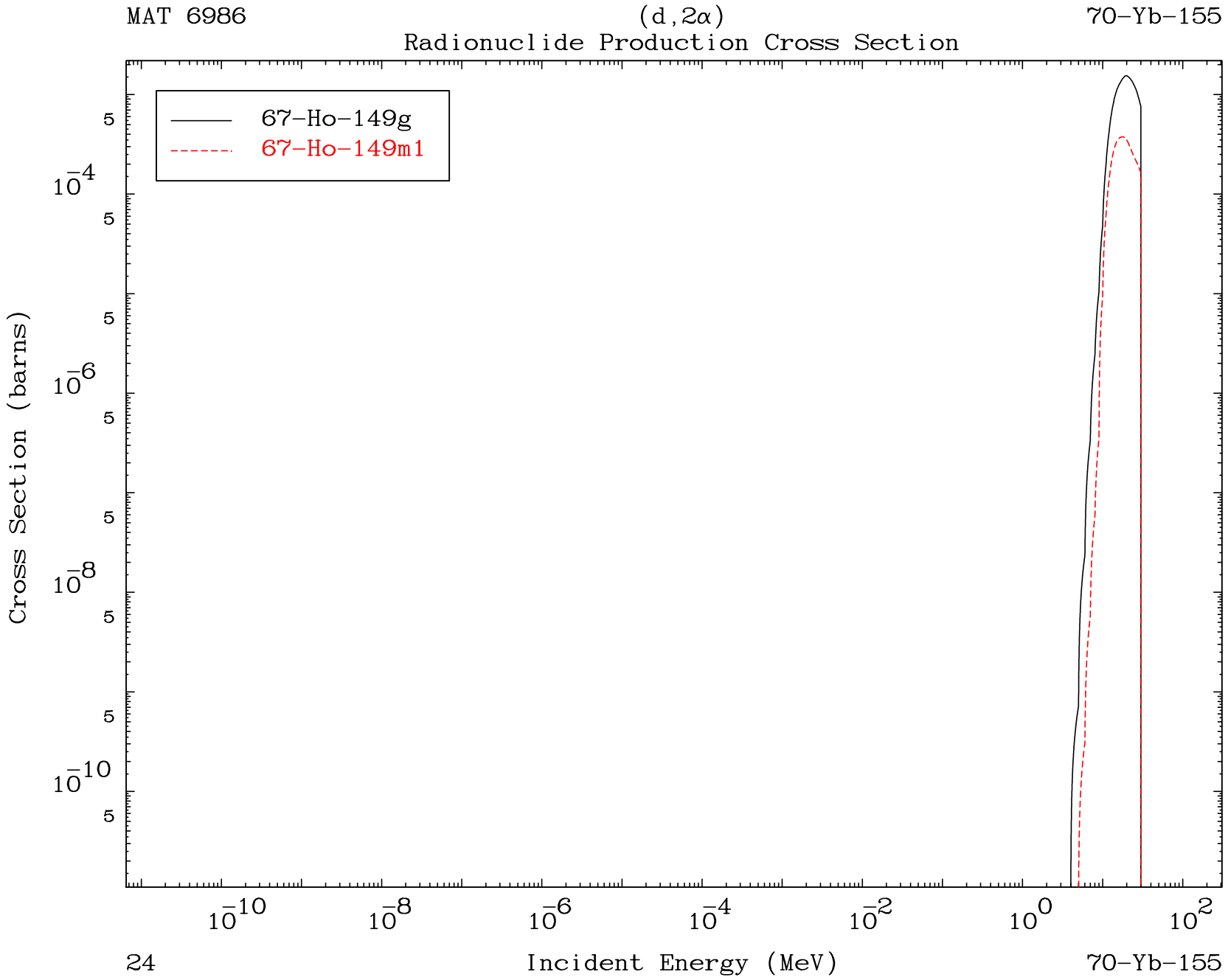

MAT 6986
(d,2n) p
70-Yb-155
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
Incident Energy (MeV)
19
70-Yb-155

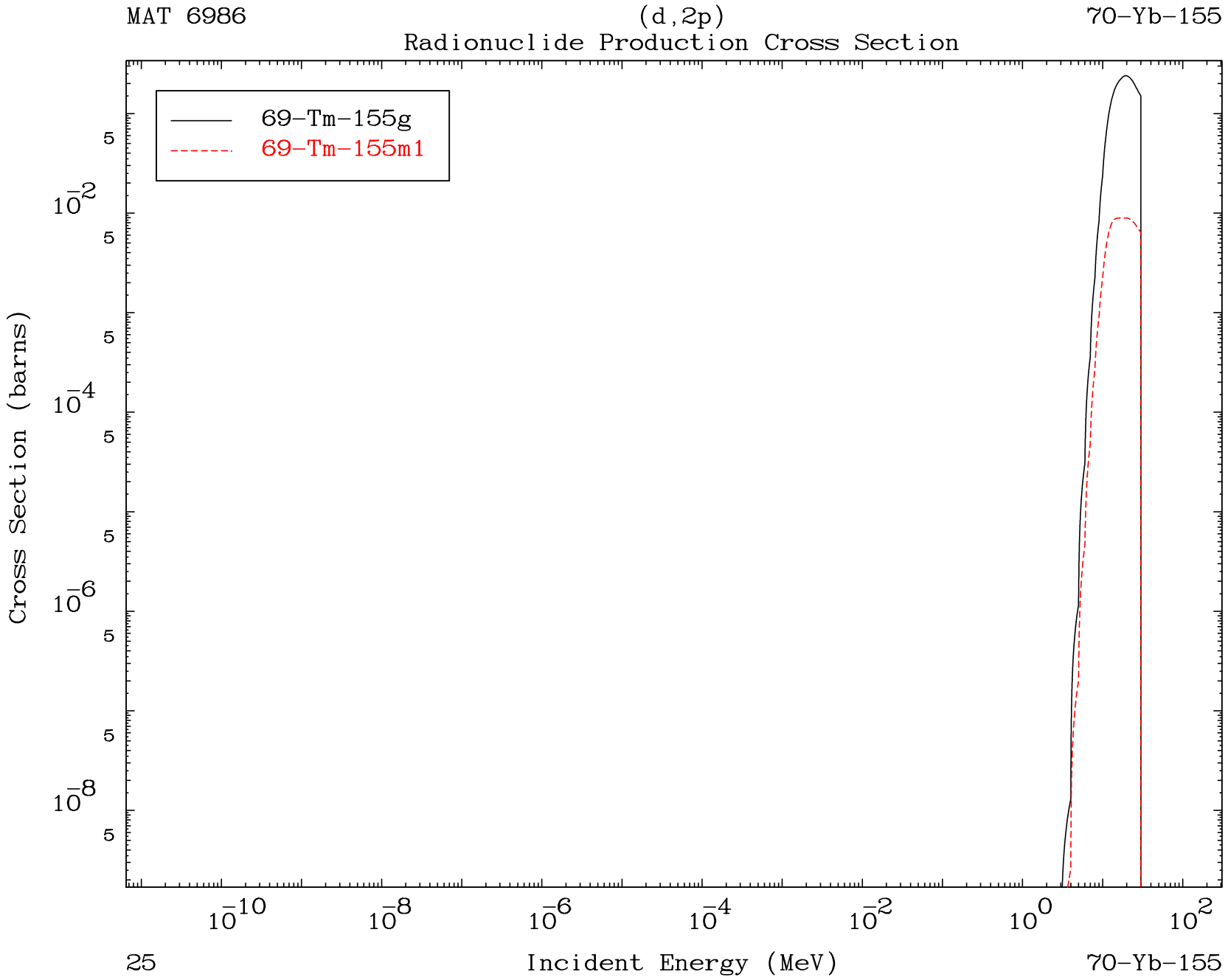

MAT 6986
(d,n') p α
70-Yb-155
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m10
Cross Section (barns)
Incident Energy (MeV)
20
70-Yb-155

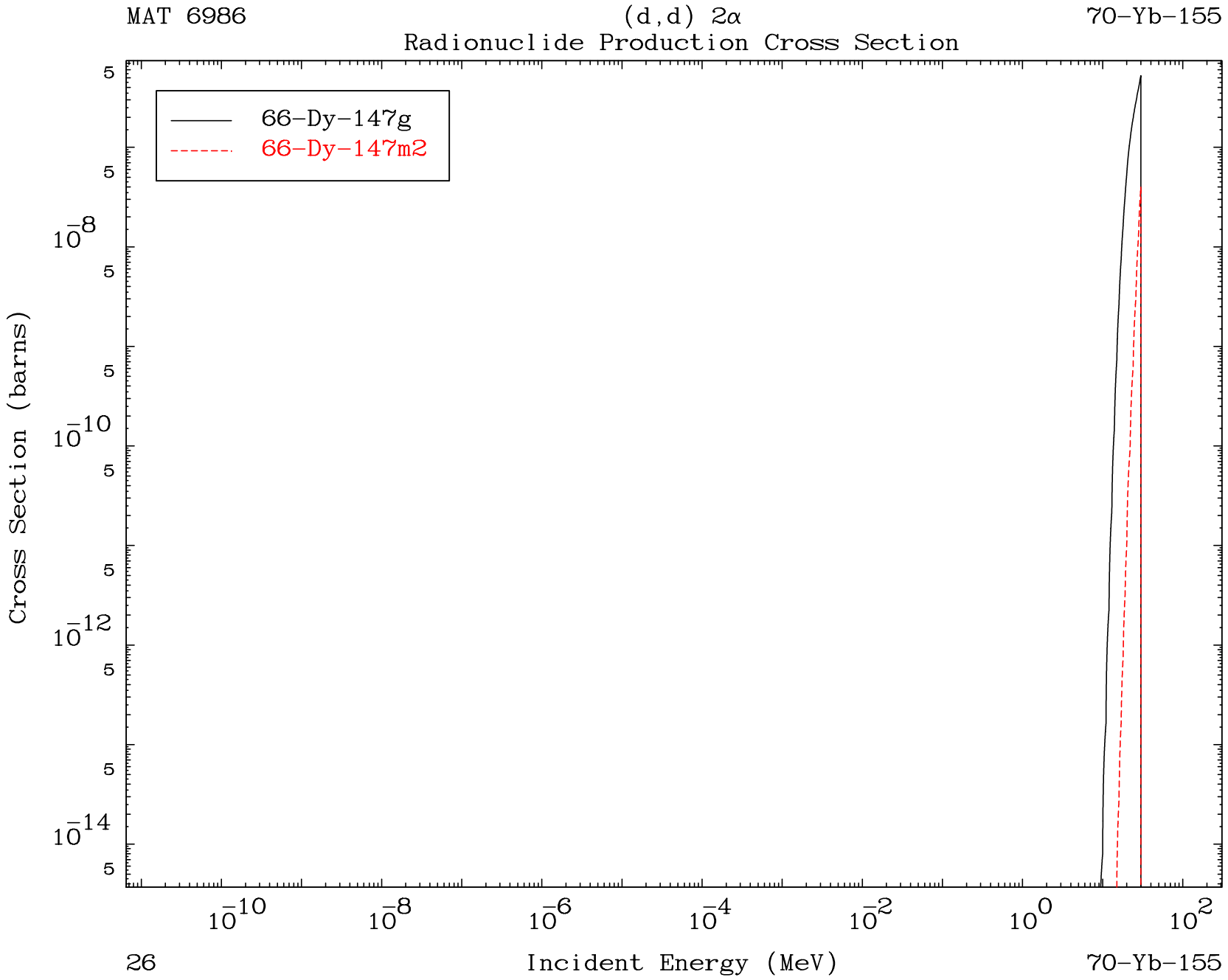

MAT 6986
(d,γ)
70-Yb-155
Radionuclide Production Cross Section
71-Lu-157g
71-Lu-157m1
Cross Section (barns)
Incident Energy (MeV)
21
70-Yb-155

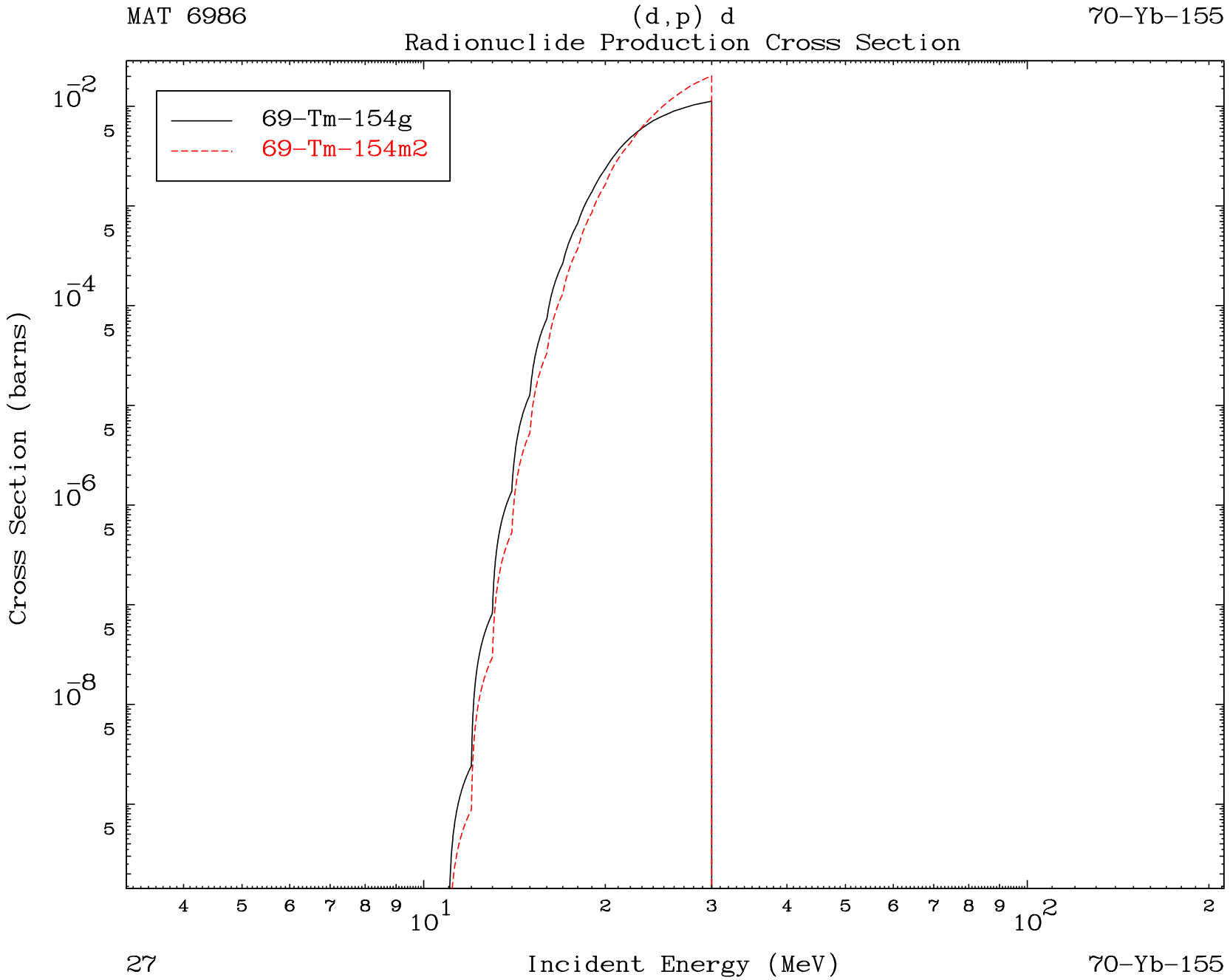

MAT 6986
(d,He-3)
70-Yb-155
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
Incident Energy (MeV)
22
70-Yb-155

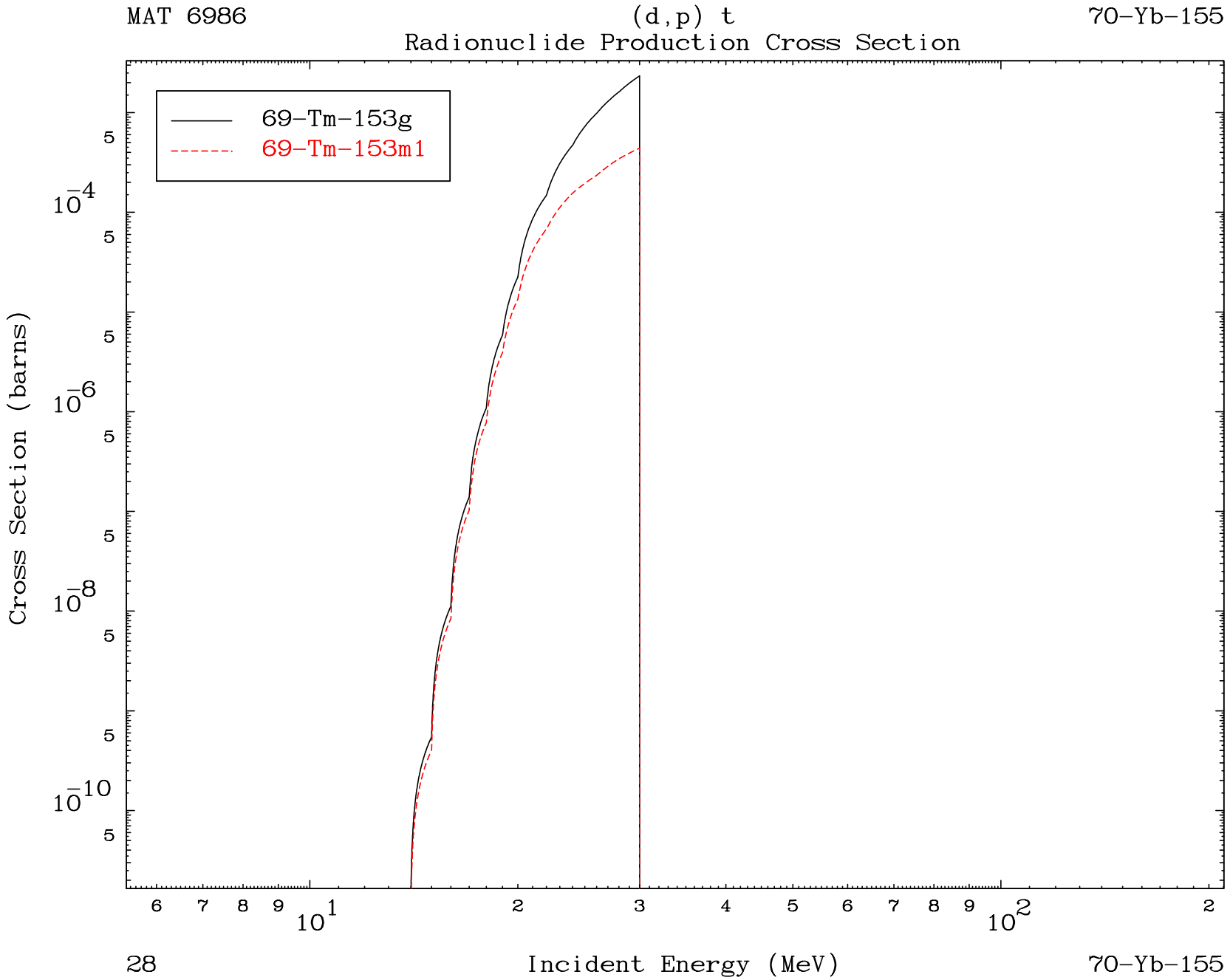

MAT 6986
(d,α)
70-Yb-155
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
23
70-Yb-155

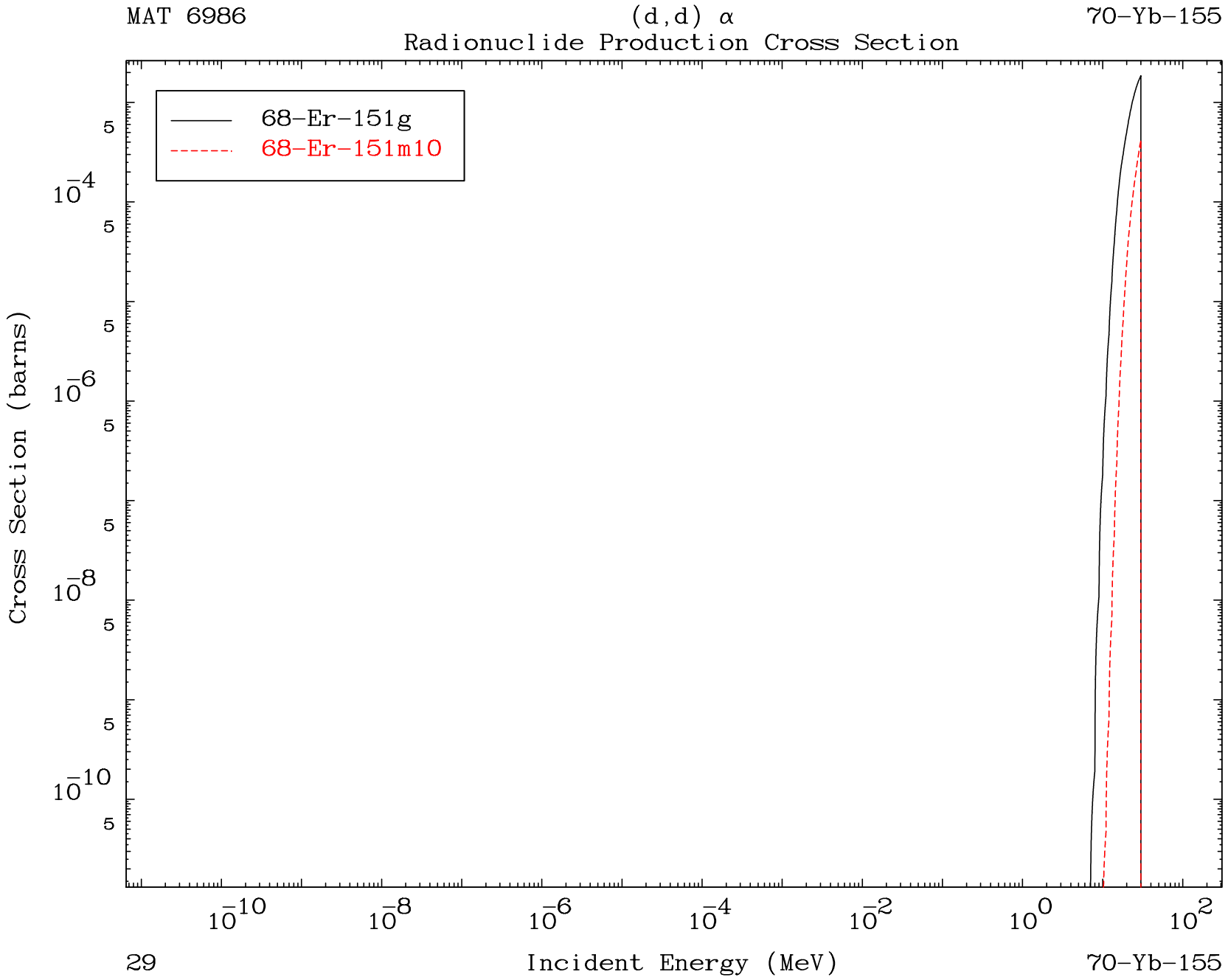

MAT 6986
(d,2α)
70-Yb-155
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
Incident Energy (MeV)
24
70-Yb-155


MAT 6986
(d,2p)
70-Yb-155
Radionuclide Production Cross Section
69-Tm-155g
69-Tm-155m1
Cross Section (barns)
Incident Energy (MeV)
25
70-Yb-155


MAT 6986
(d,d) 2α
70-Yb-155
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
26
70-Yb-155


MAT 6986
(d,p) d
70-Yb-155
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
Incident Energy (MeV)
27
70-Yb-155


MAT 6986
(d,p) t
70-Yb-155
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
28
70-Yb-155


MAT 6986
(d,d) α
70-Yb-155
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m10
Cross Section (barns)
Incident Energy (MeV)
29
70-Yb-155