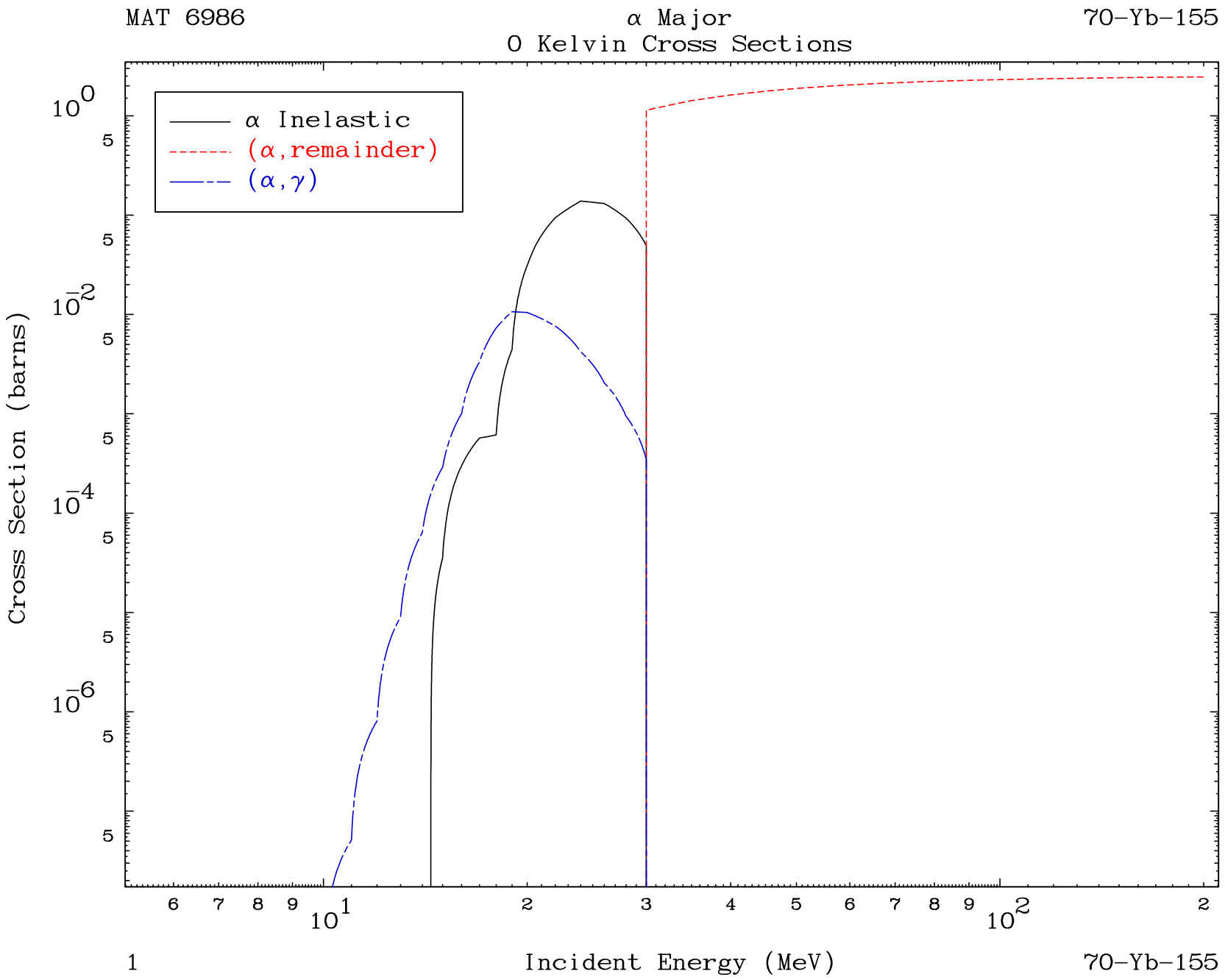
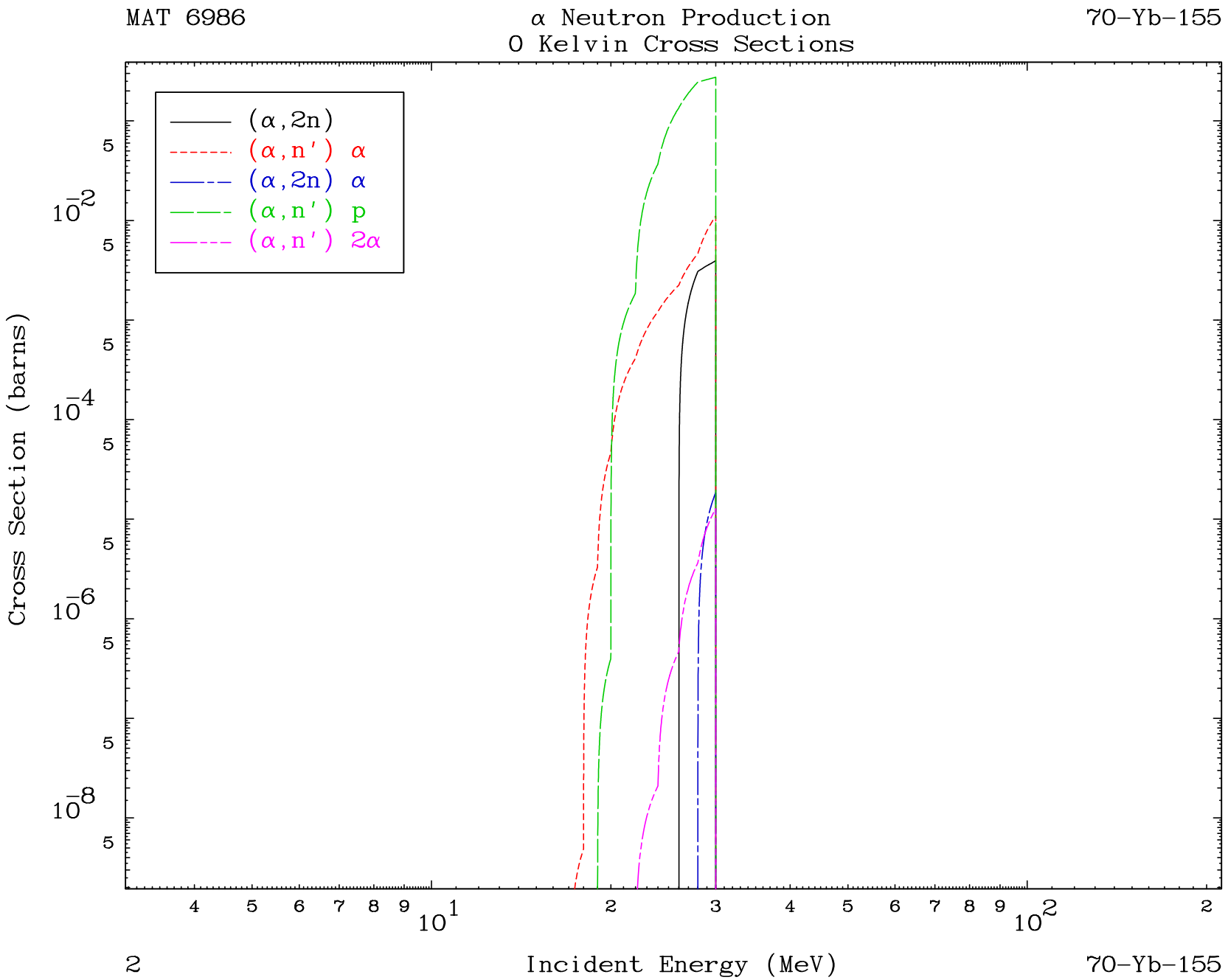
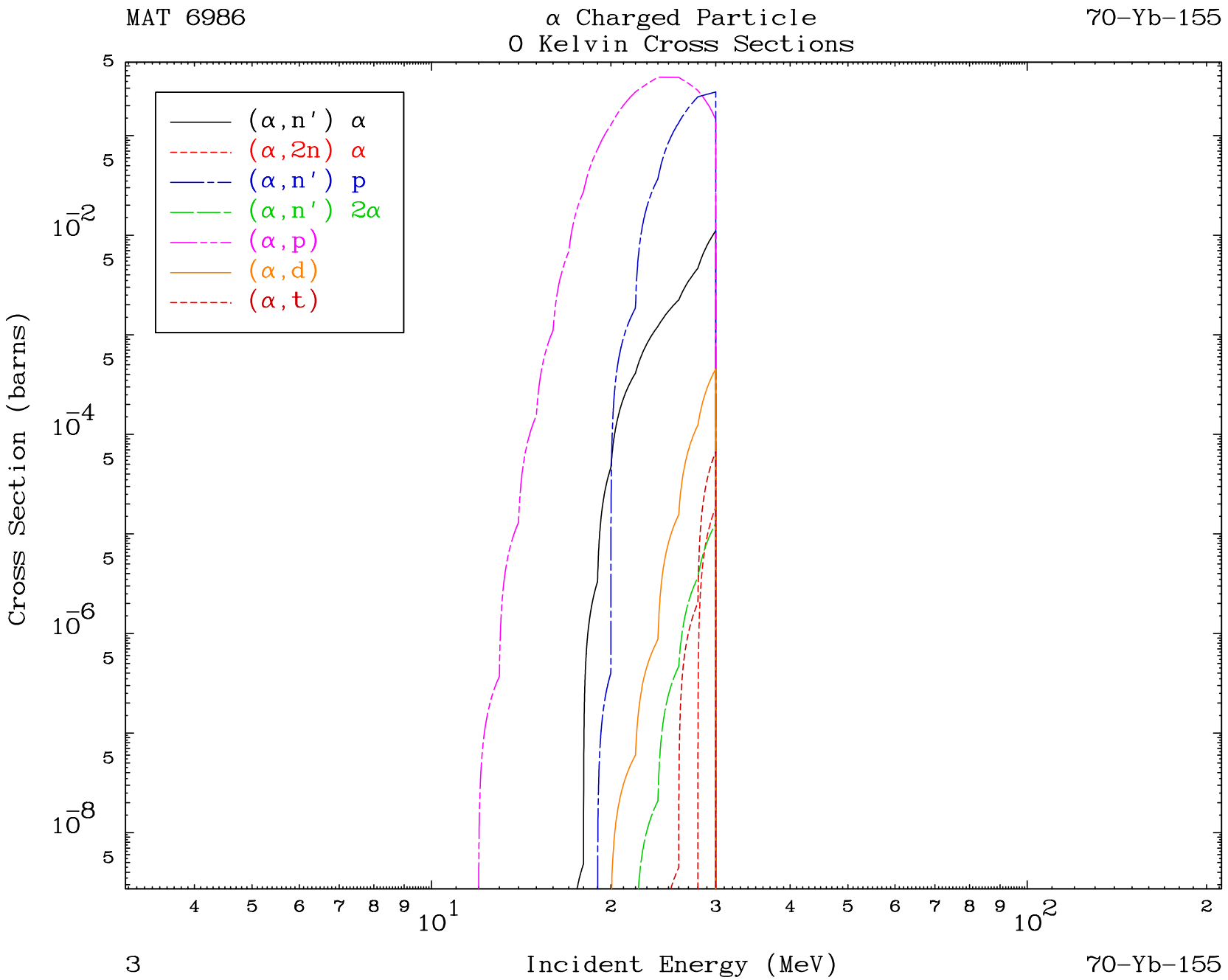
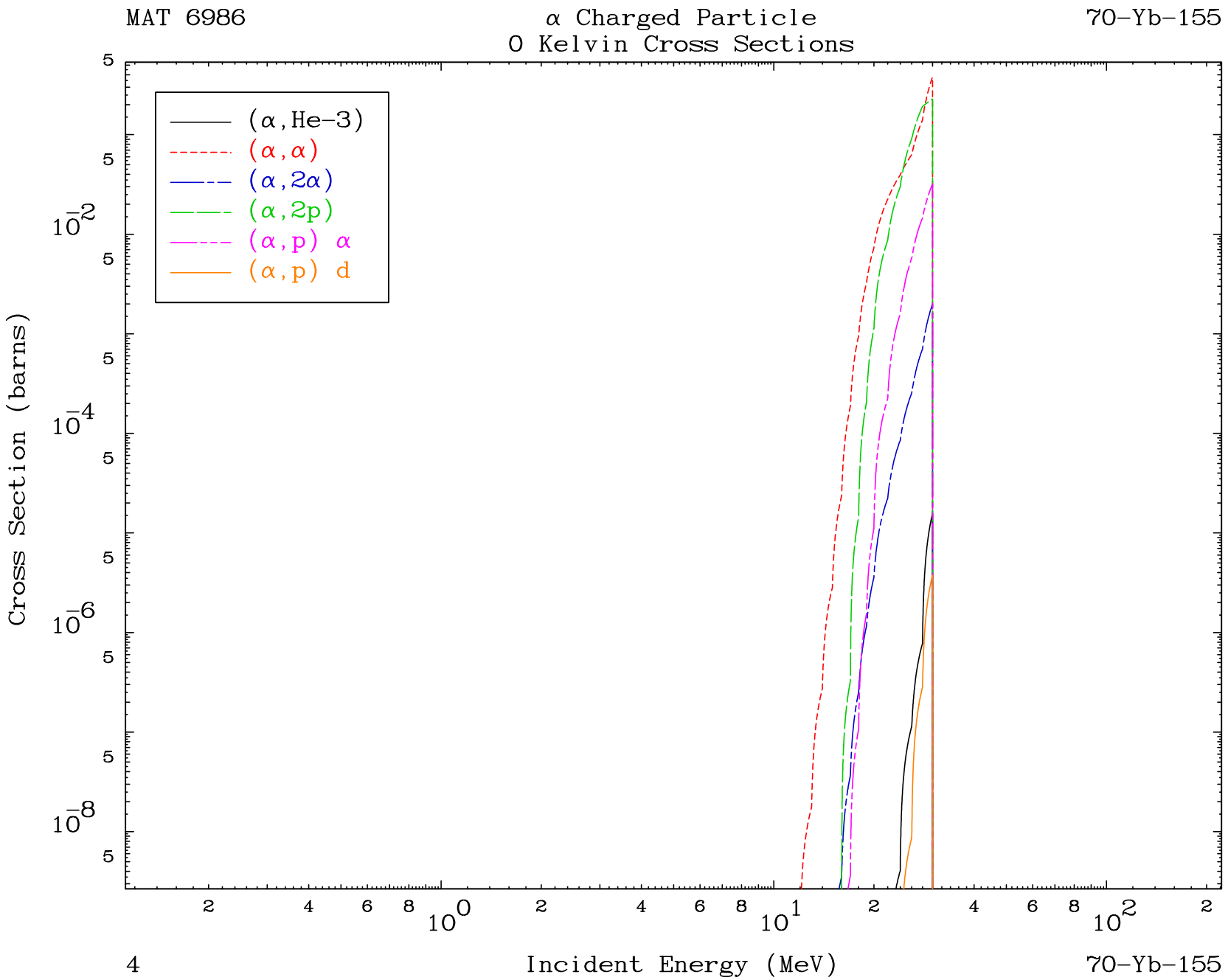
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

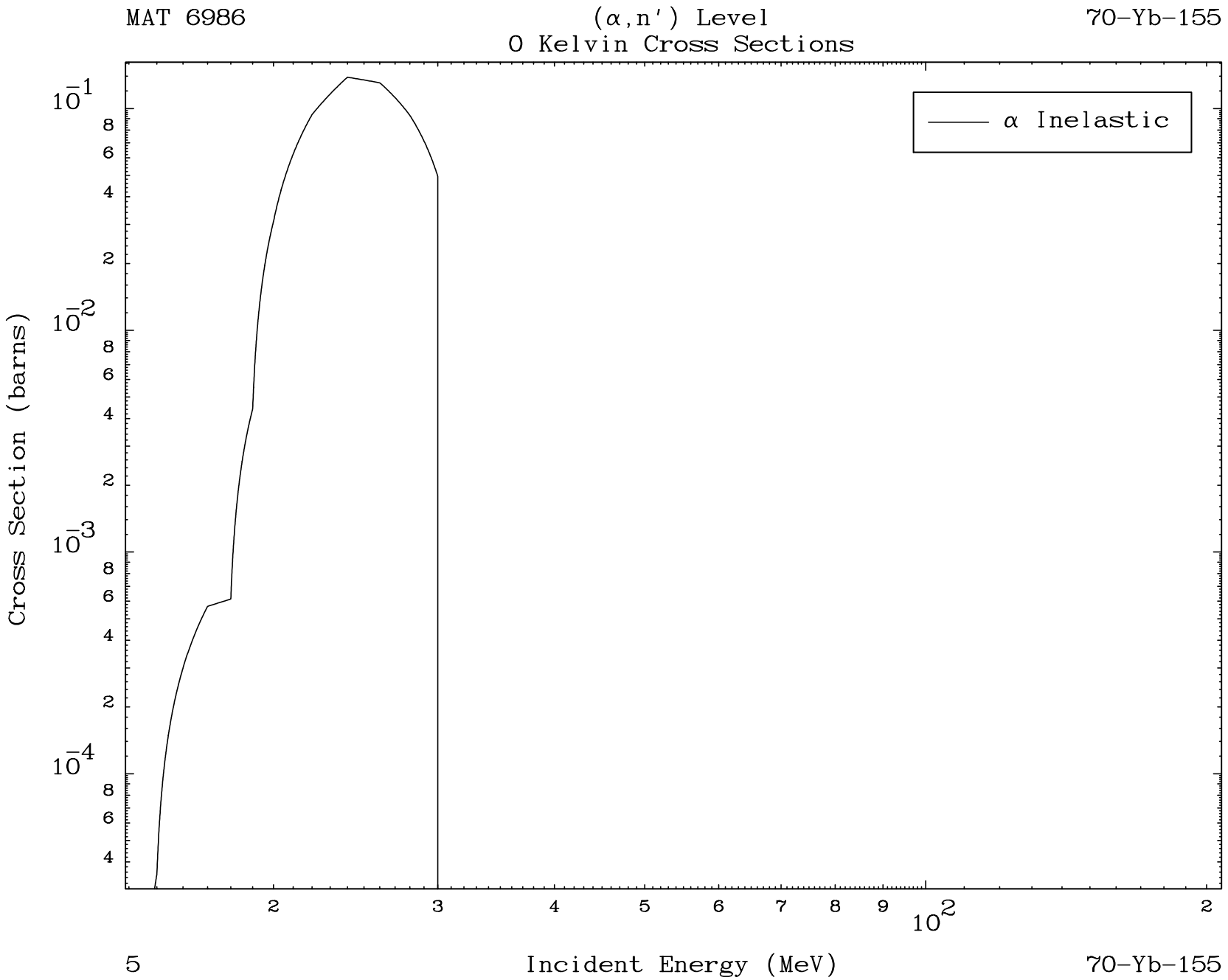
Press Mouse Button to Start

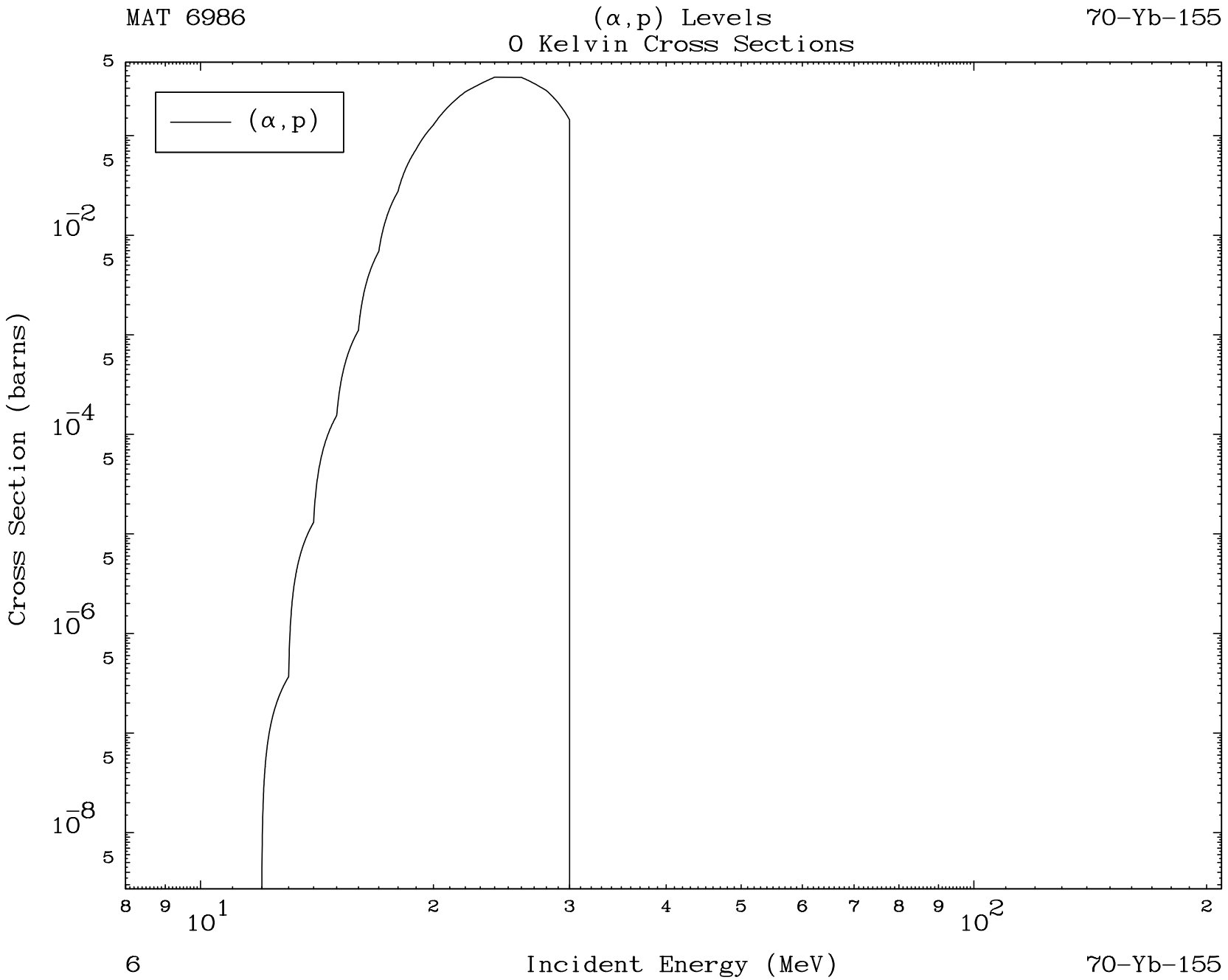

MAT 6986
α Major
70-Yb-155
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-155
1

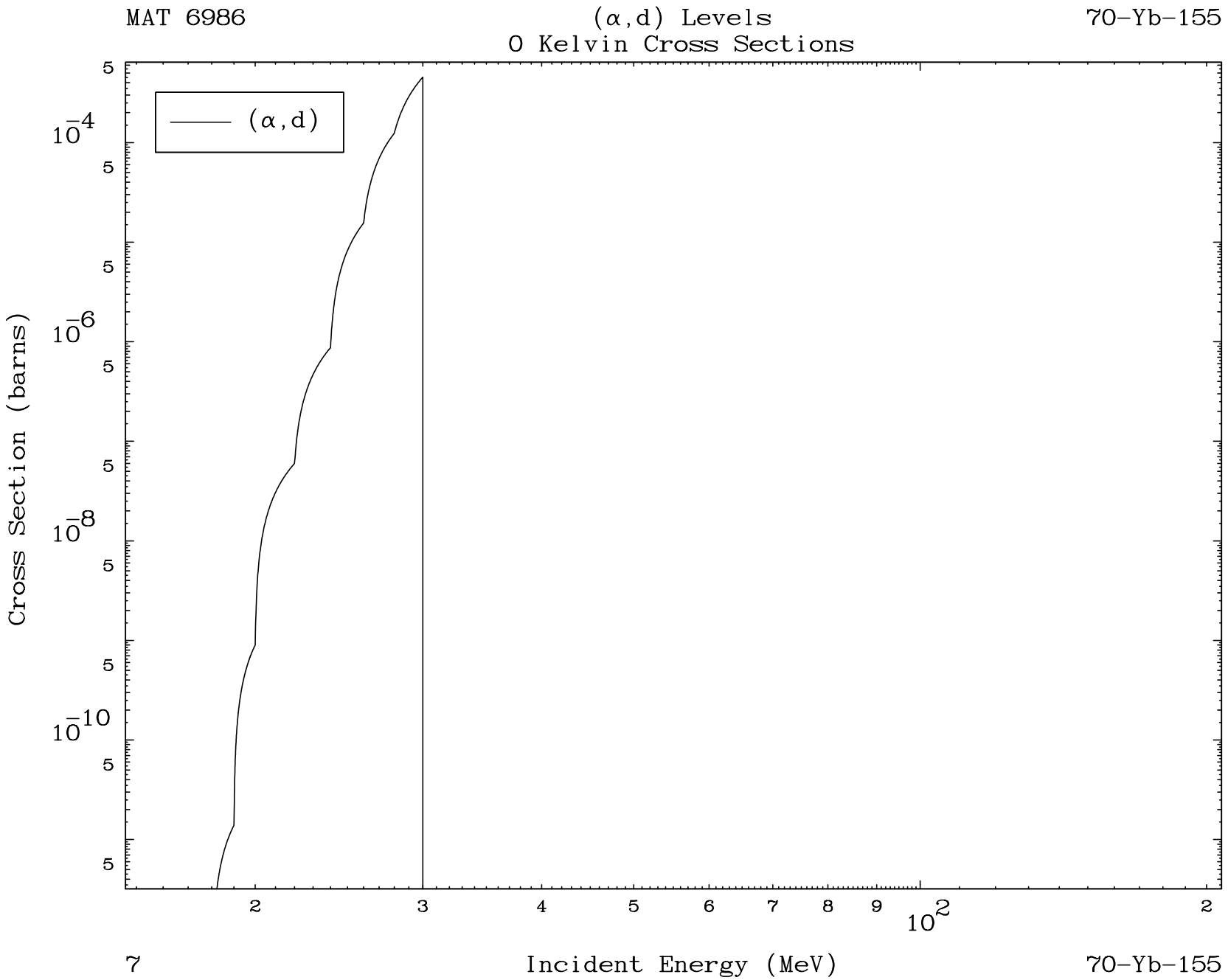

MAT 6986
α Neutron Production
0 Kelvin Cross Sections
70-Yb-155
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 5 6 7 8 9 10 1
2 3 4 5 6 7 8 9 10 2
2
Incident Energy (MeV)
70-Yb-155


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

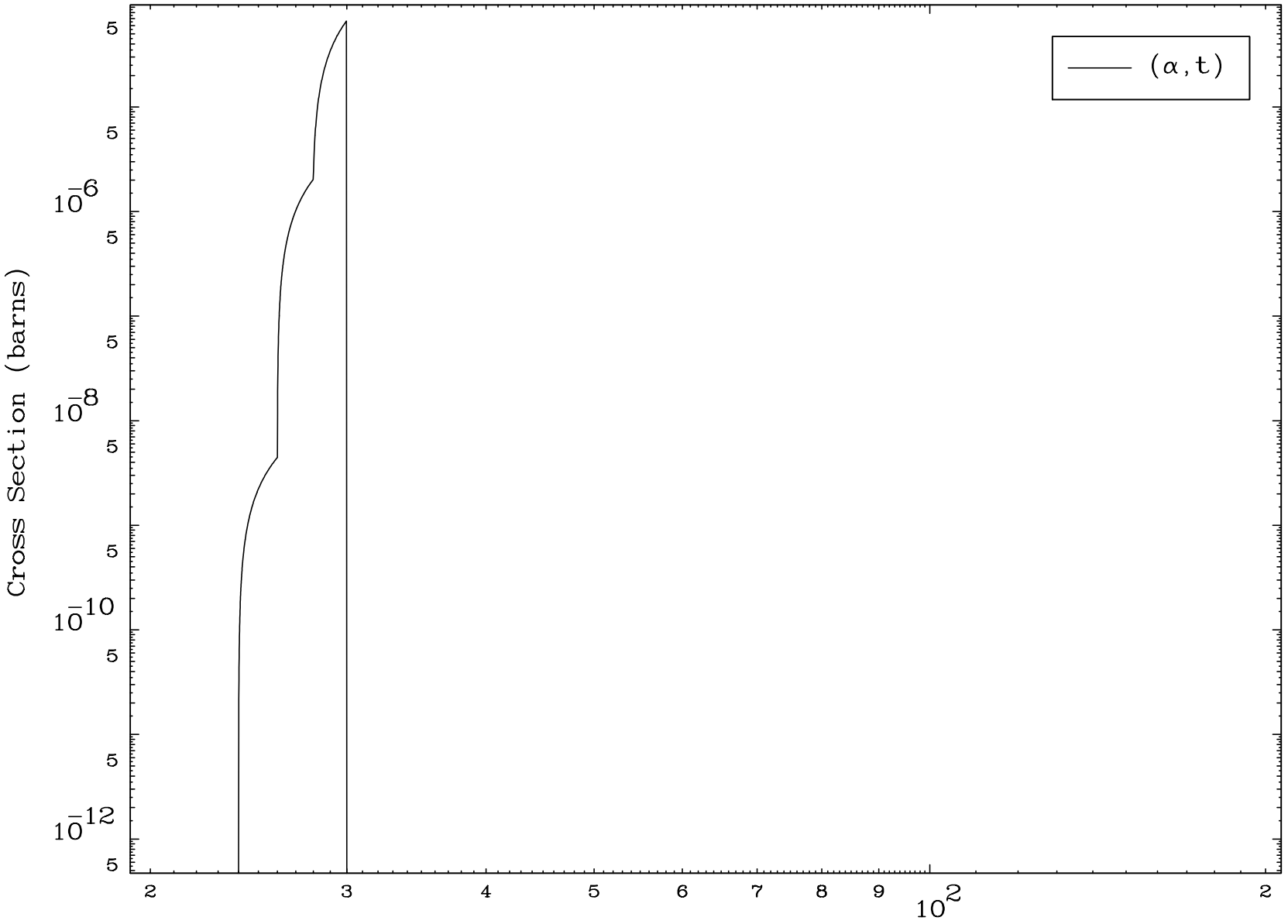

MAT 6986
α Charged Particle
0 Kelvin Cross Sections
70-Yb-155
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
70-Yb-155

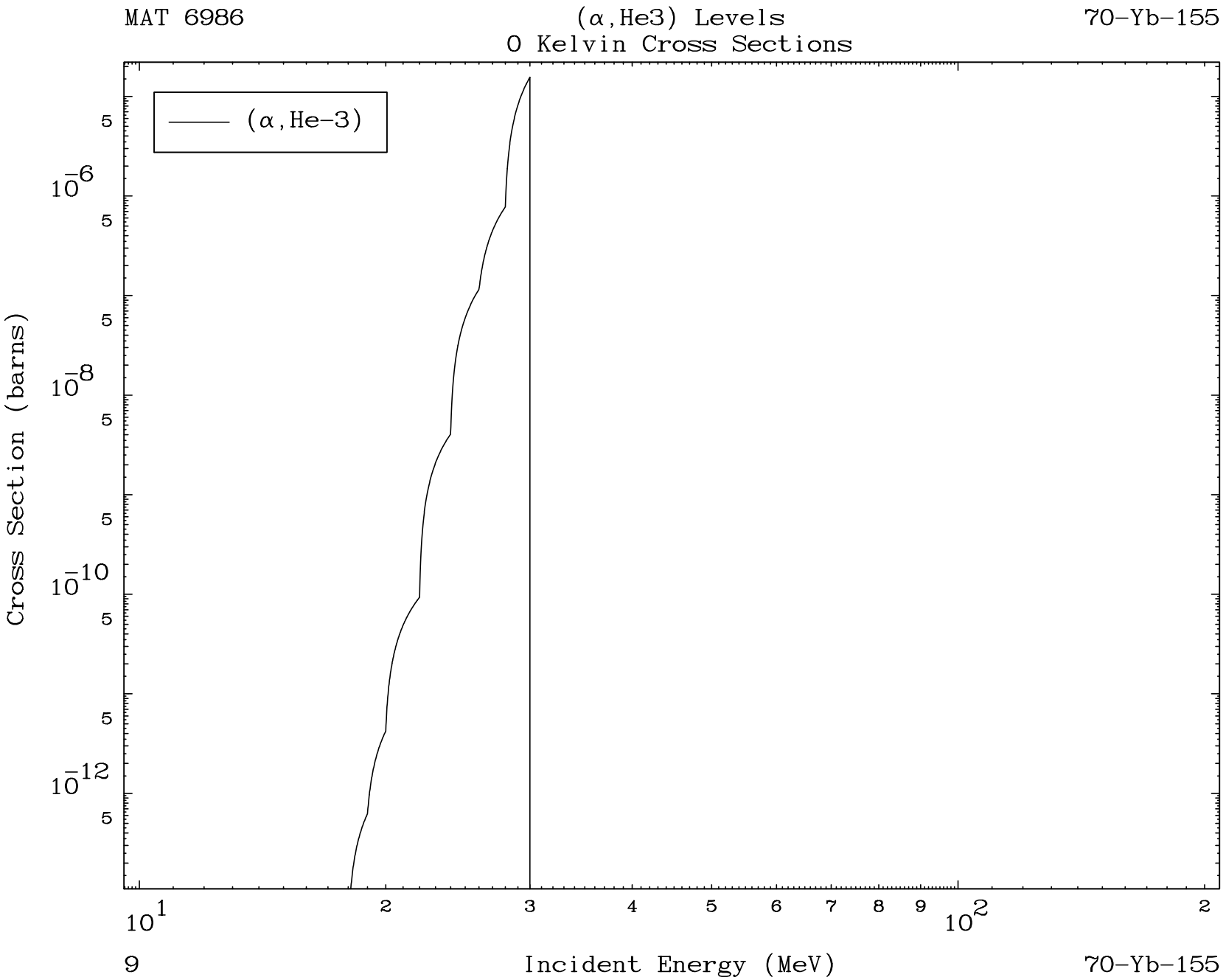

MAT 6986
(α,n') Level
70-Yb-155
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-1
10-2
10-3
10-4
8
6
4
2
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

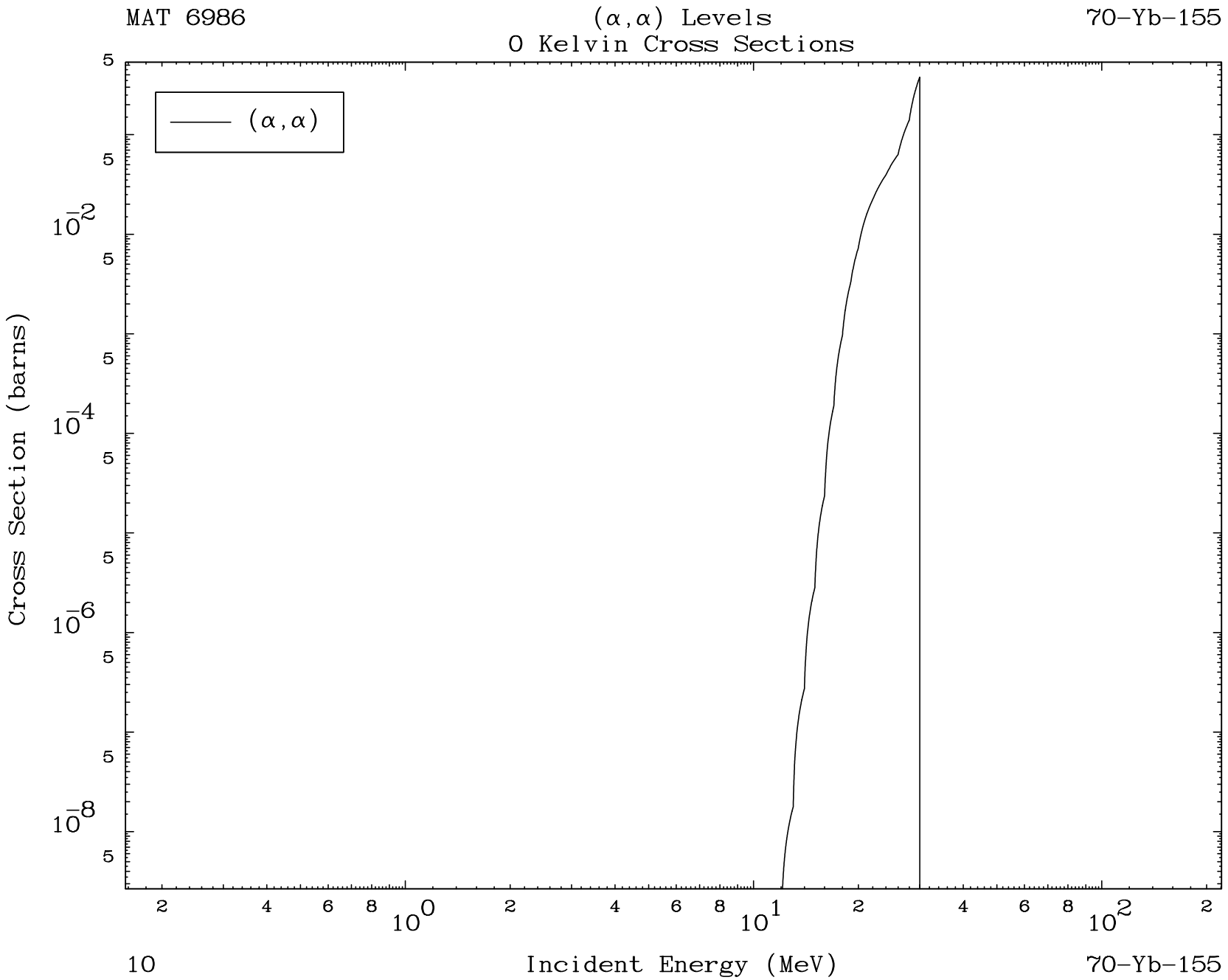

MAT 6986
(α,p) Levels
70-Yb-155
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
70-Yb-155

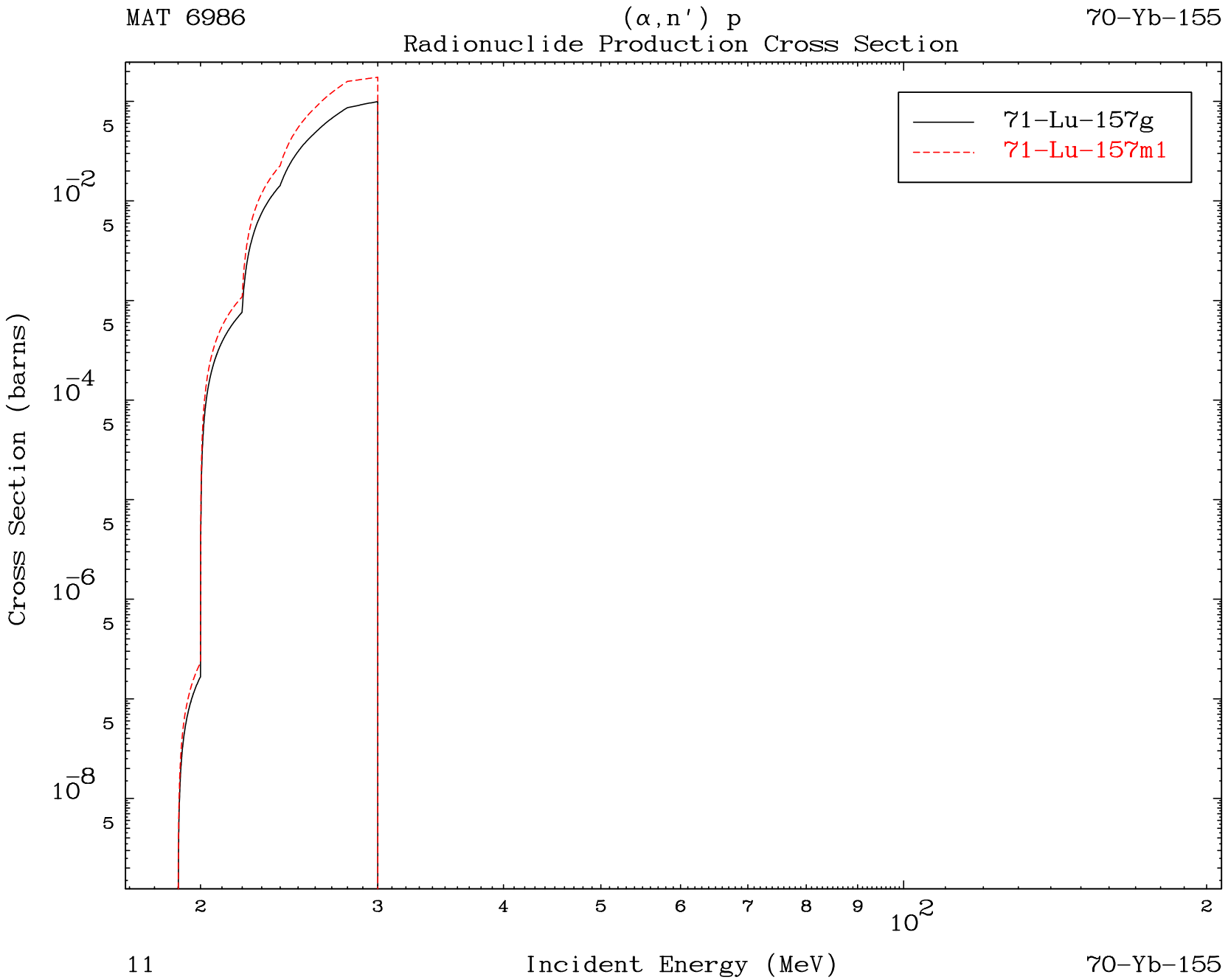

MAT 6986
(α,d) Levels
70-Yb-155
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
70-Yb-155

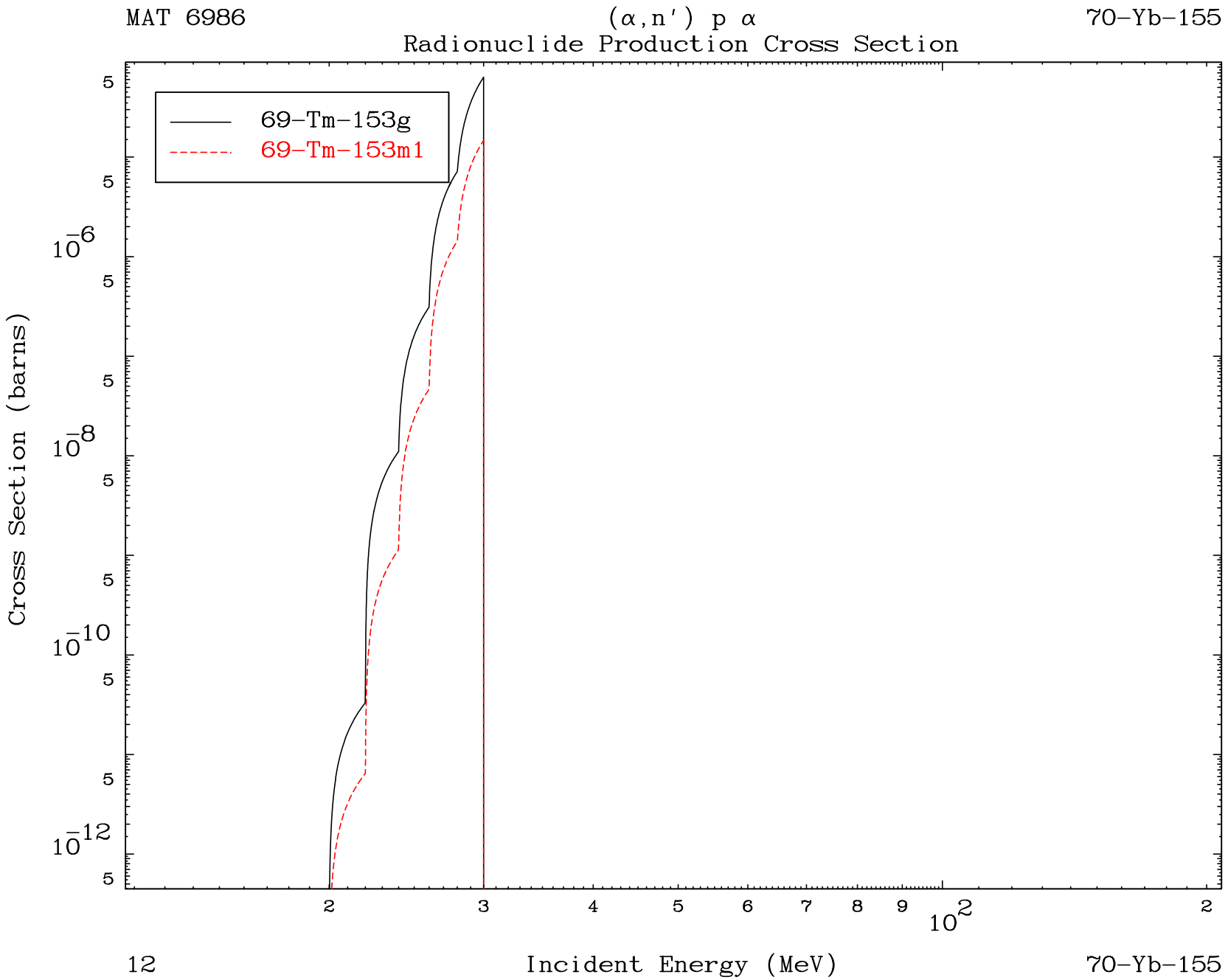
0 Kelvin Cross Sections

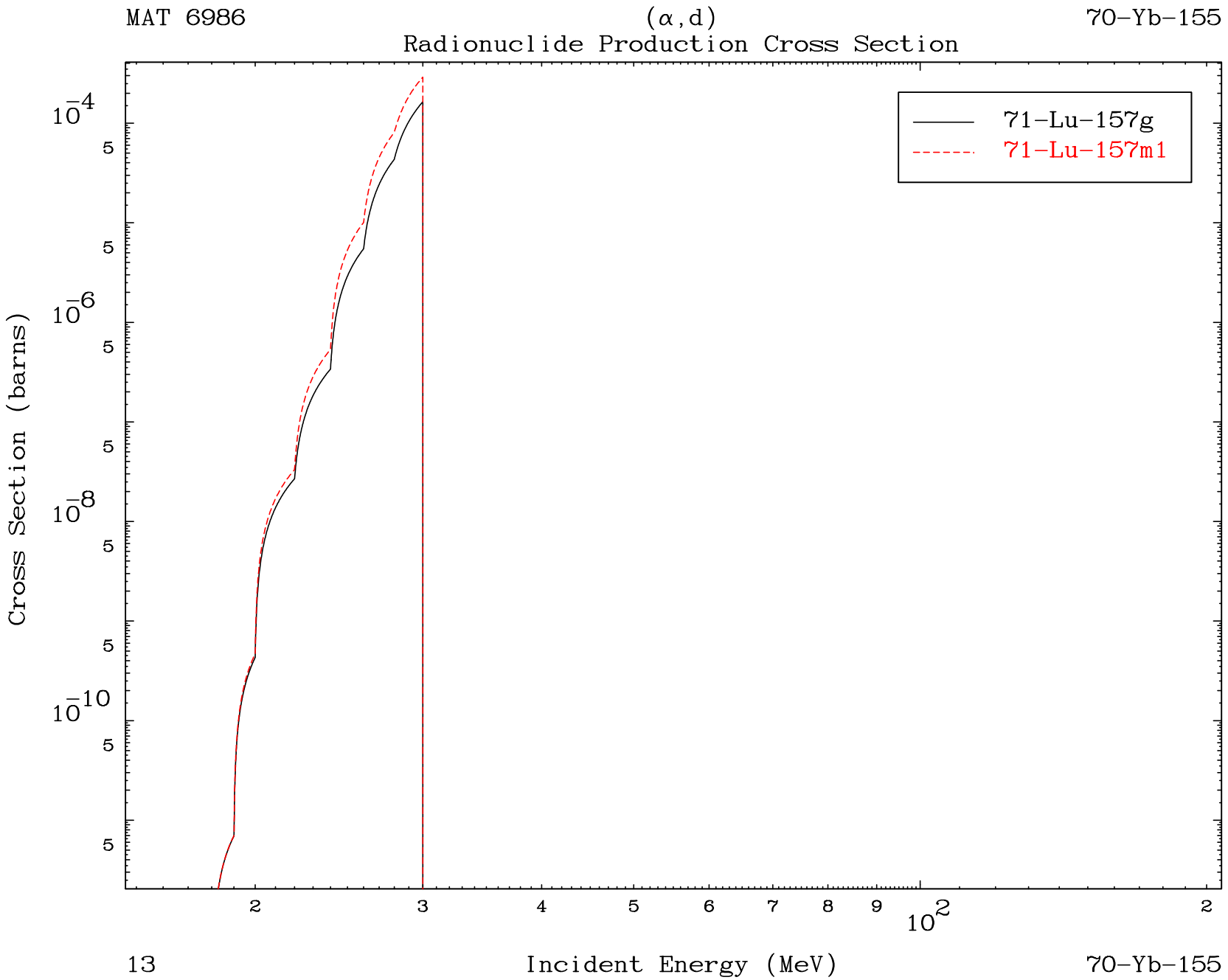


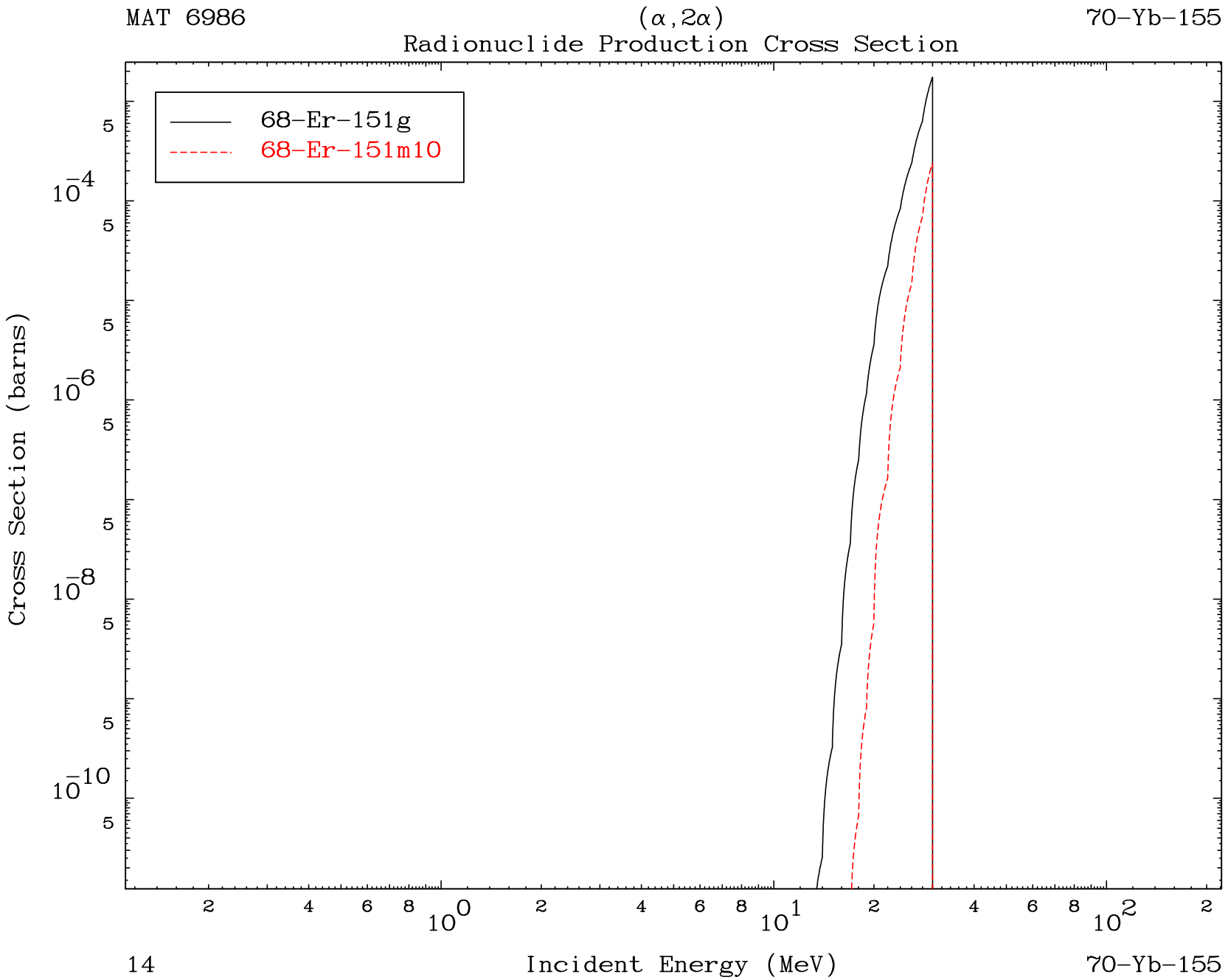

MAT 6986
(α,He3) Levels
70-Yb-155
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
101
2
3
4
5
6
7
8
9
102
2
9
Incident Energy (MeV)
70-Yb-155

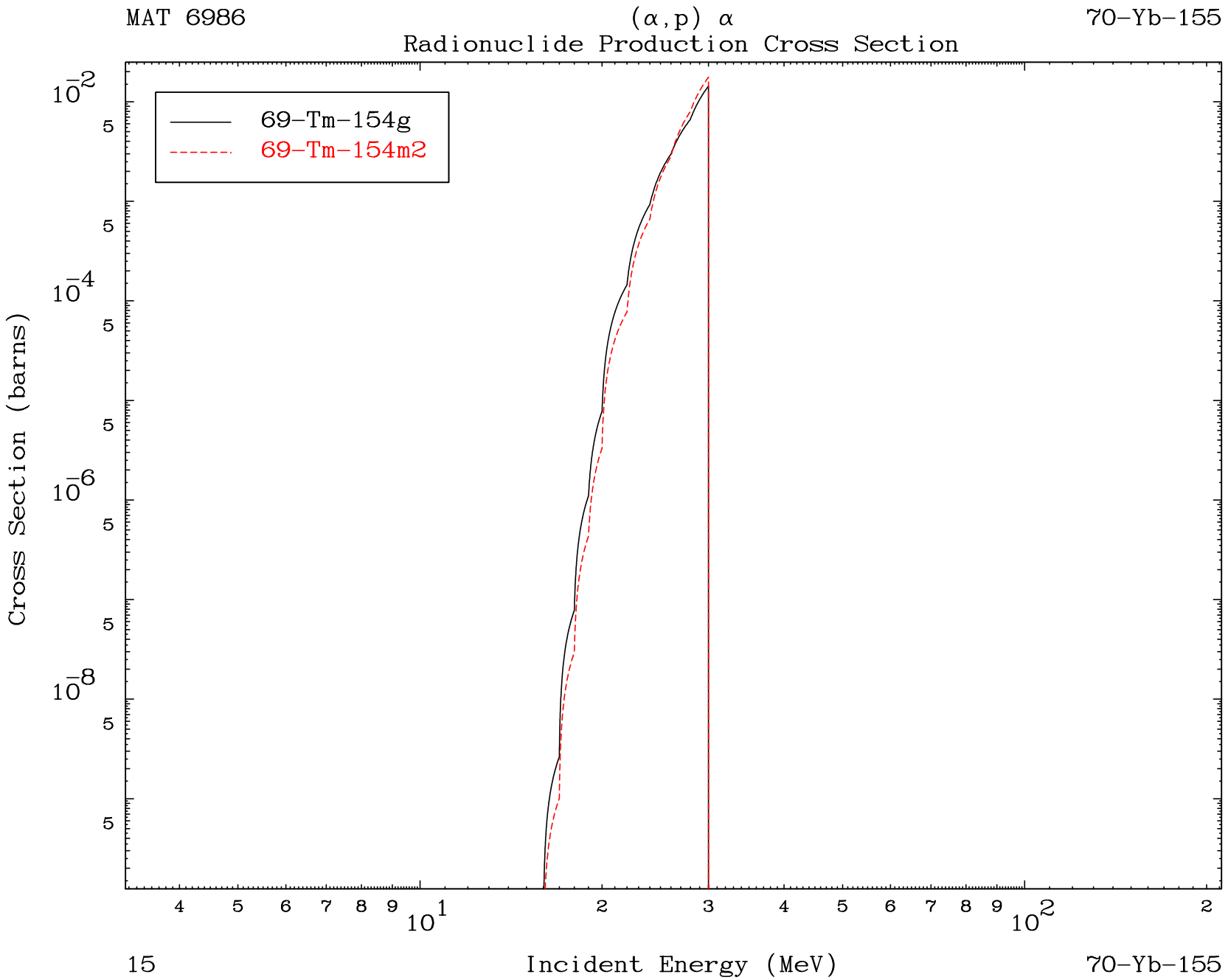

MAT 6986
(α,α) Levels
70-Yb-155
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-155

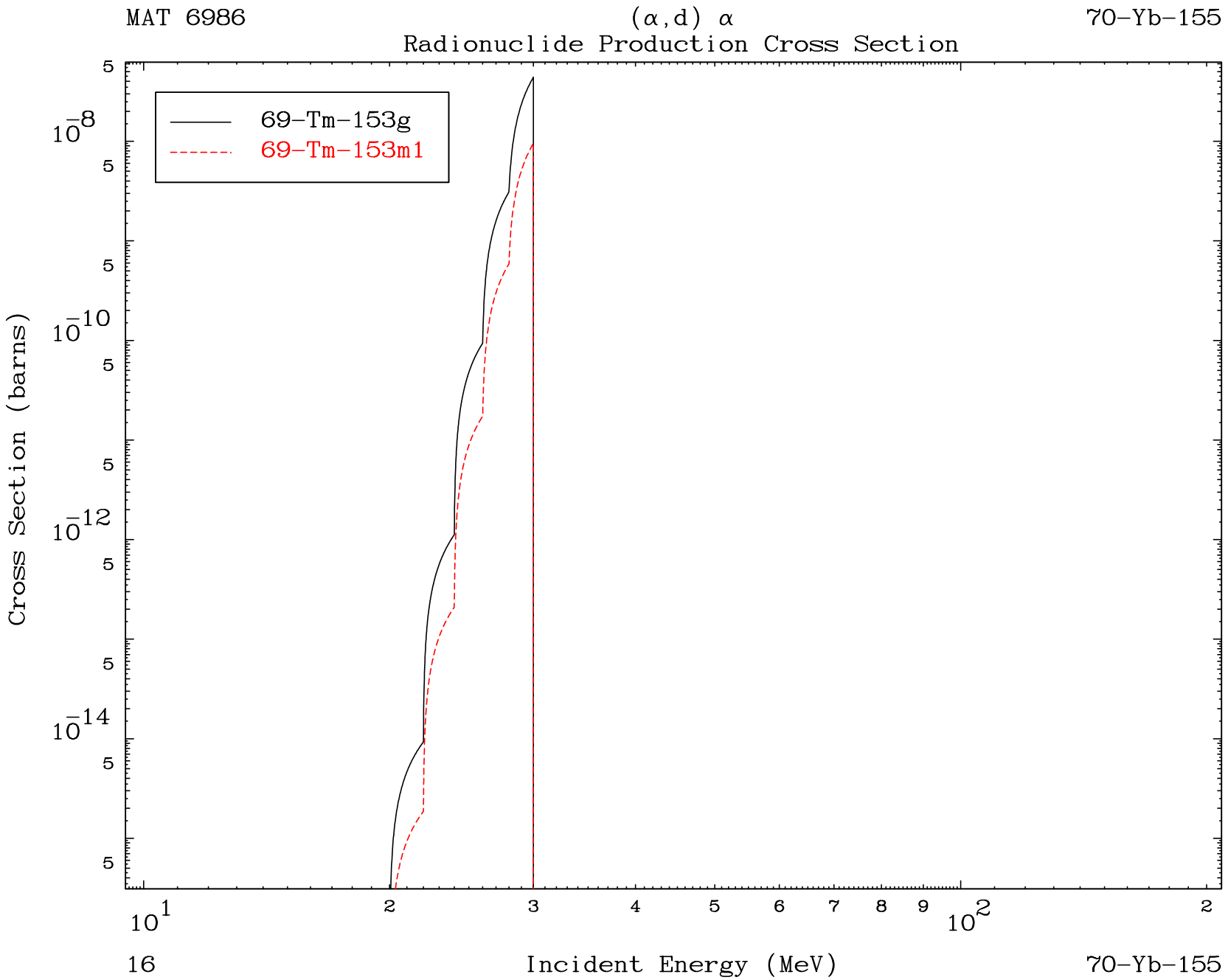

MAT 6986
(α,n') p
70-Yb-155
Radionuclide Production Cross Section
71-Lu-157g
71-Lu-157m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
70-Yb-155


MAT 6986
(α,n') p α
70-Yb-155
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
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)
70-Yb-155


MAT 6986
(α,d)
70-Yb-155
Radionuclide Production Cross Section
71-Lu-157g
71-Lu-157m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
70-Yb-155


MAT 6986
(α,2α)
70-Yb-155
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m10
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
14
70-Yb-155


MAT 6986
(α,p) α
70-Yb-155
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
Incident Energy (MeV)
15
70-Yb-155


MAT 6986
(α,d) α
70-Yb-155
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
16
70-Yb-155