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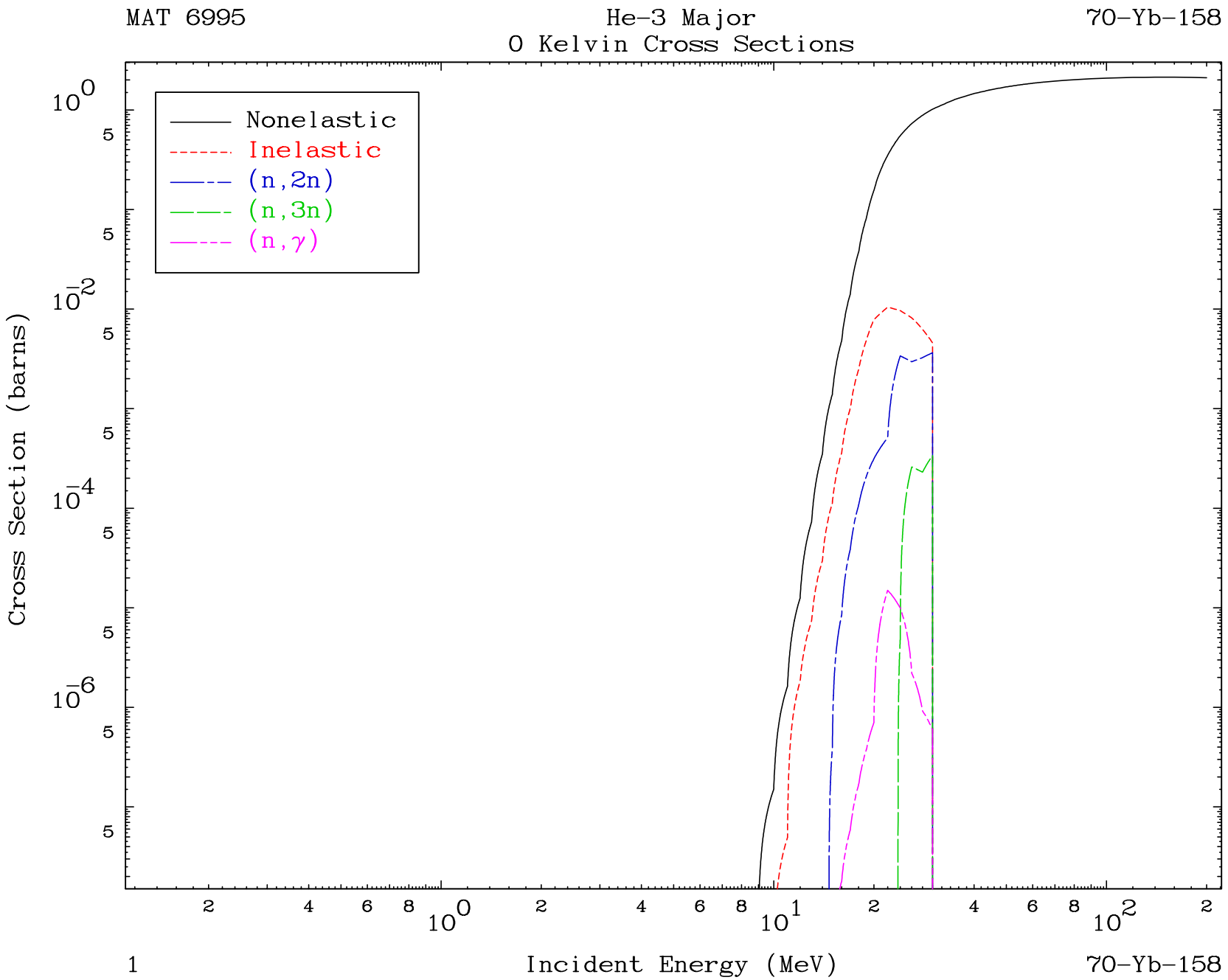
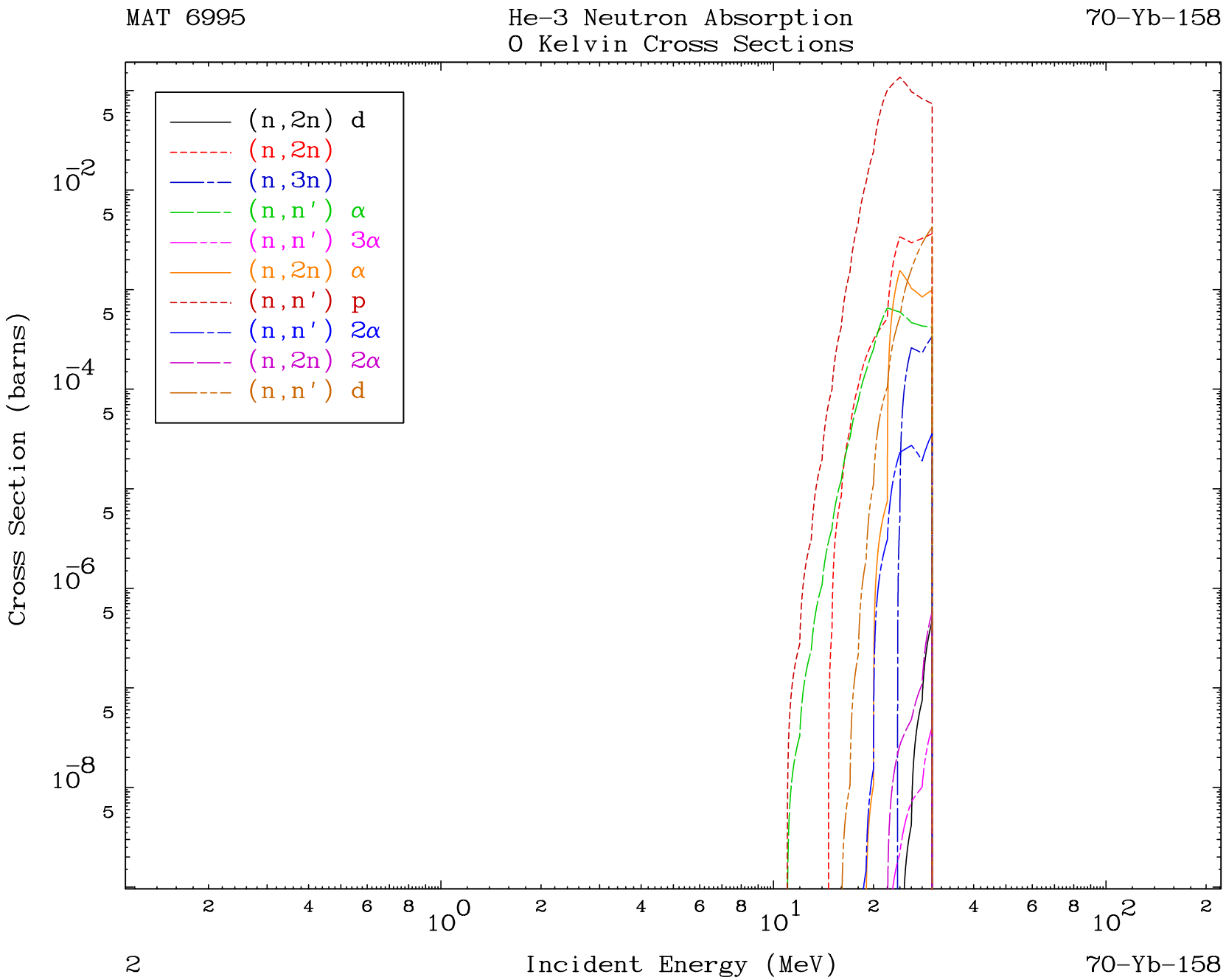
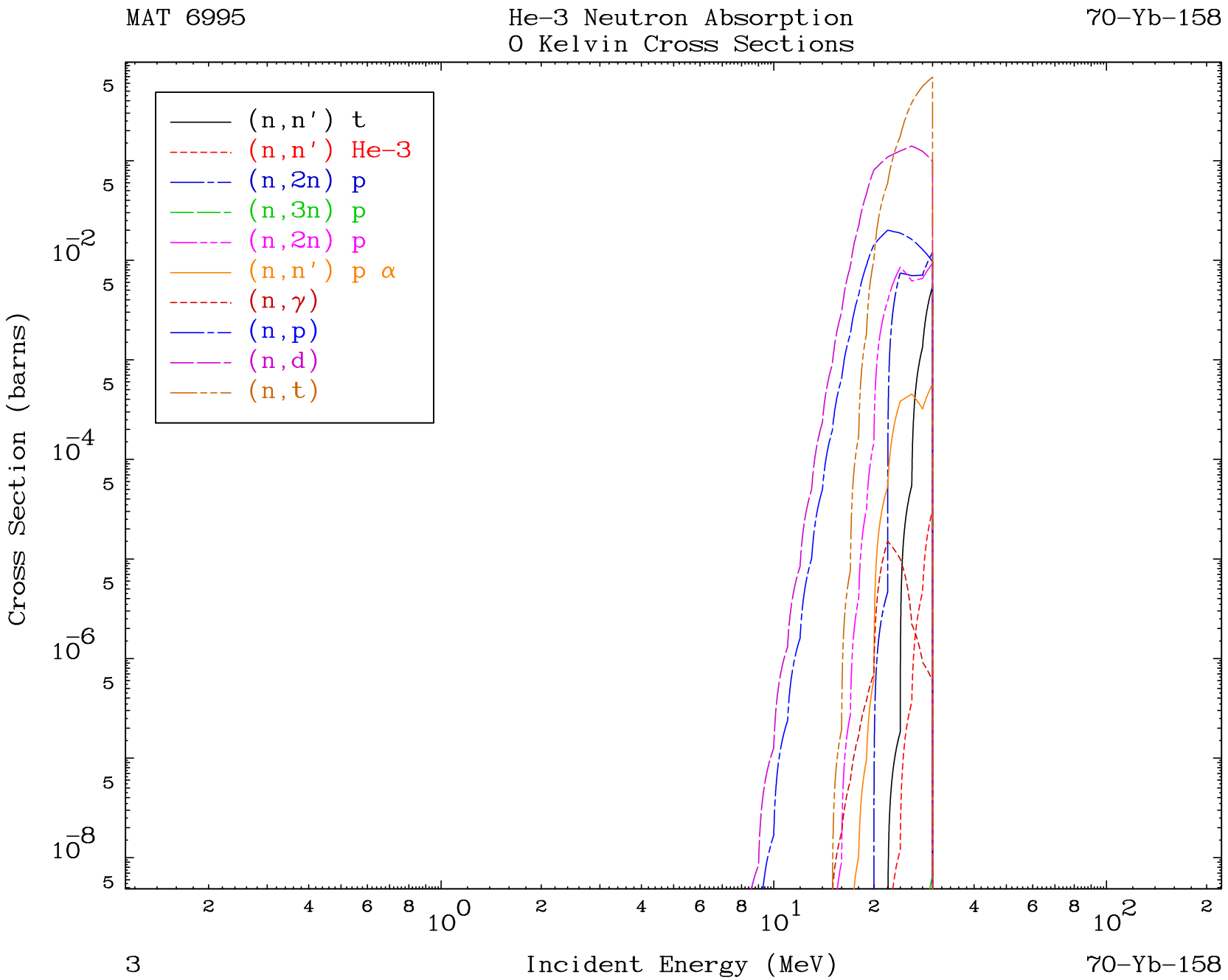
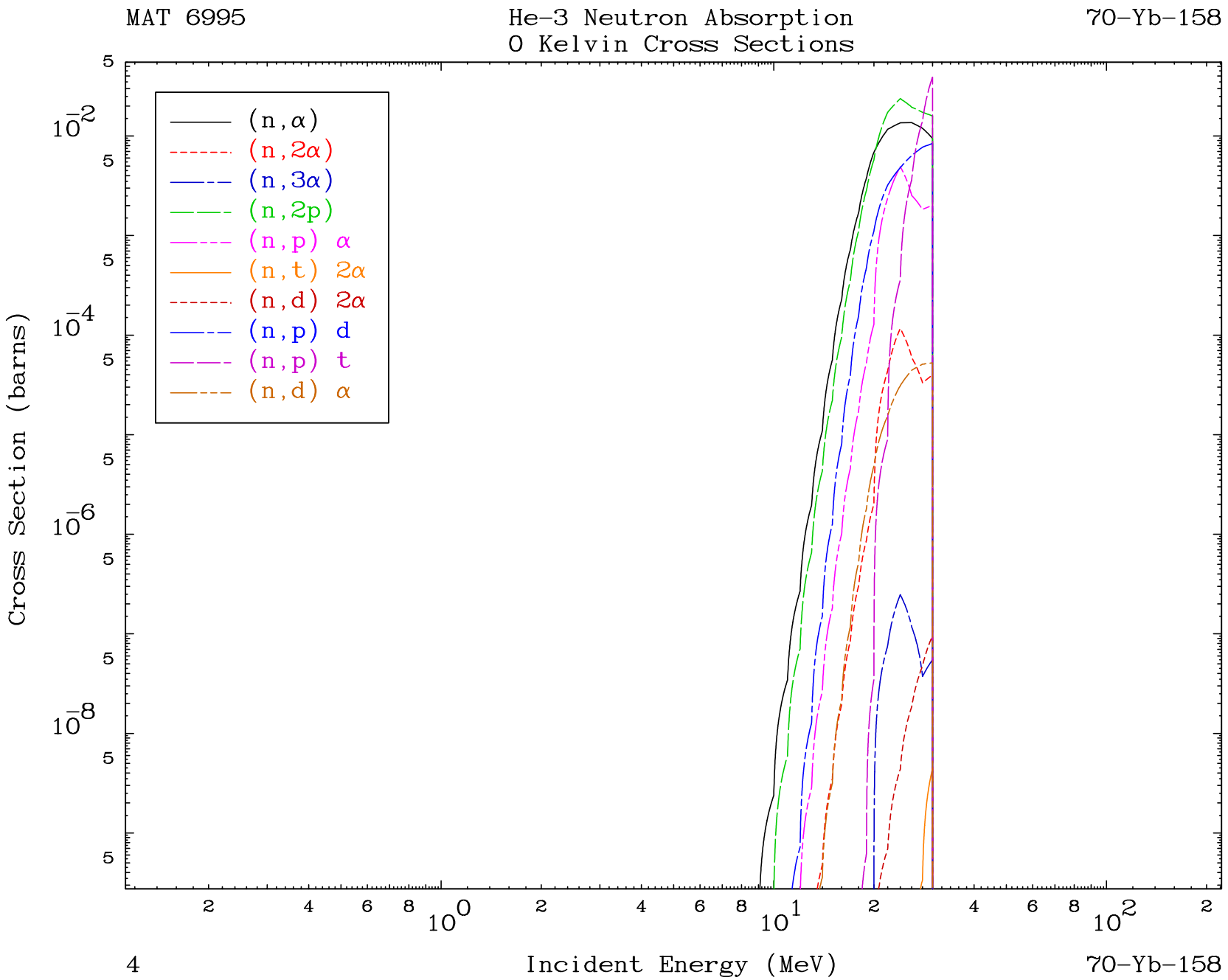
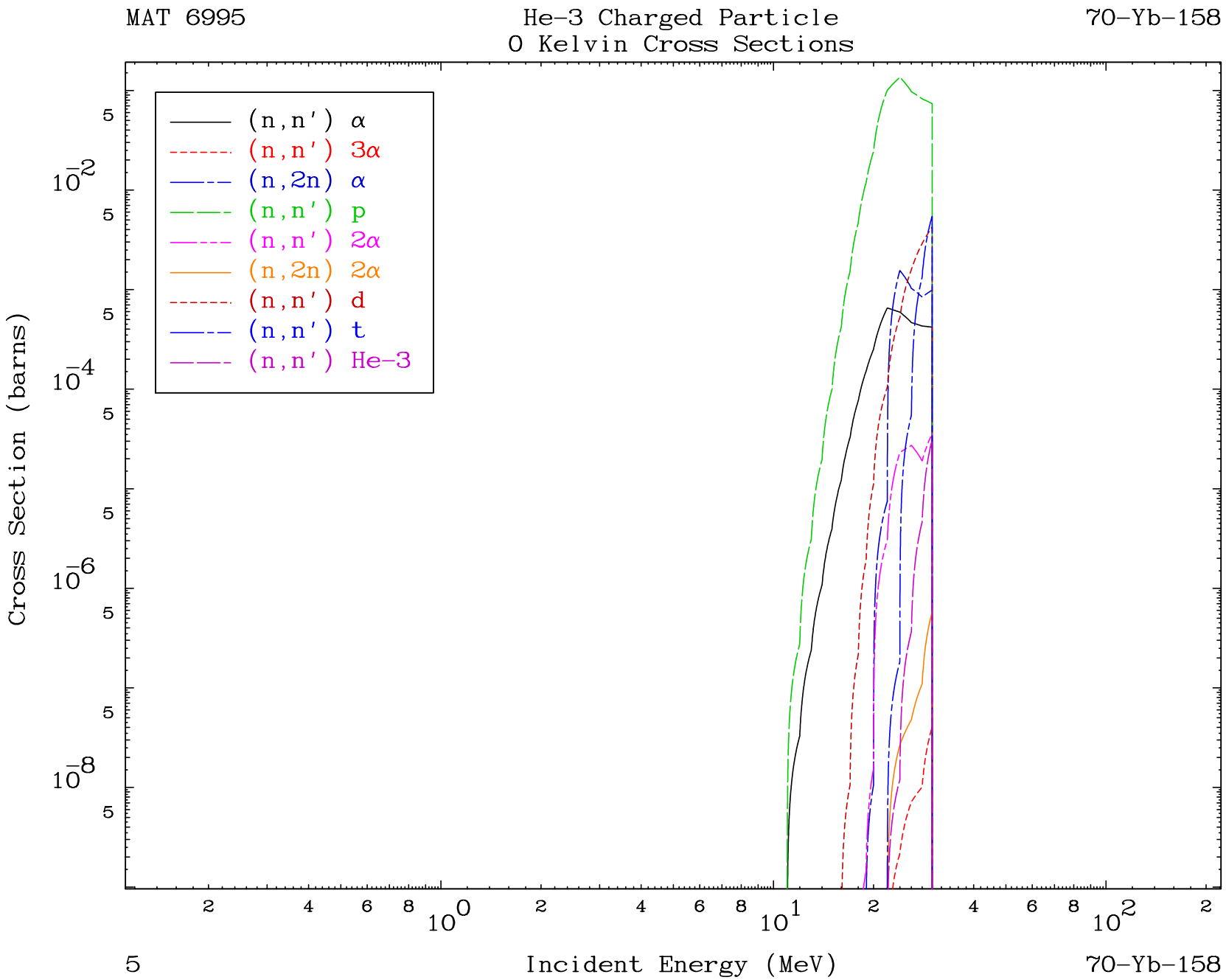
Press Mouse Button to Start

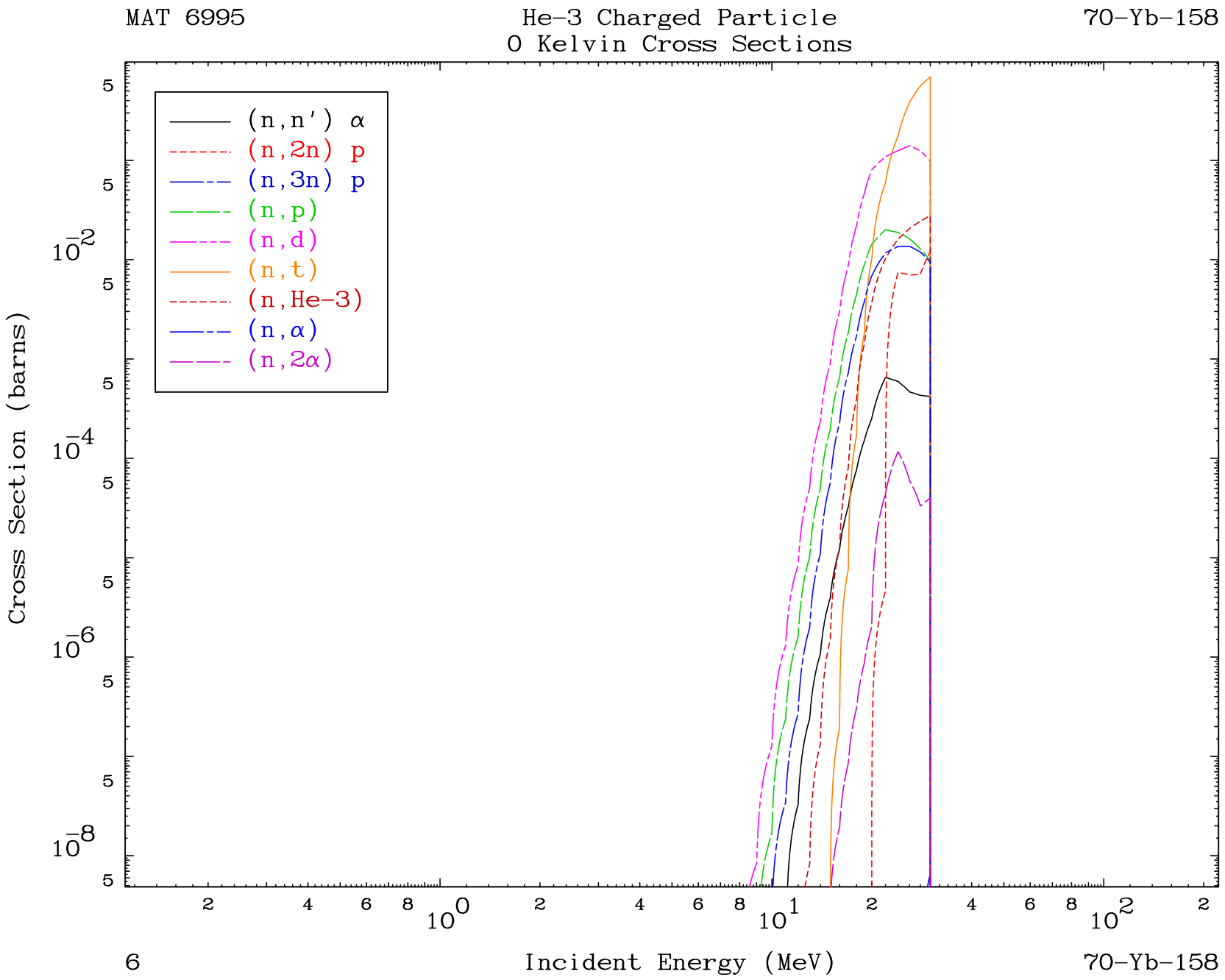

MAT 6995
He-3 Major
70-Yb-158
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-158
1

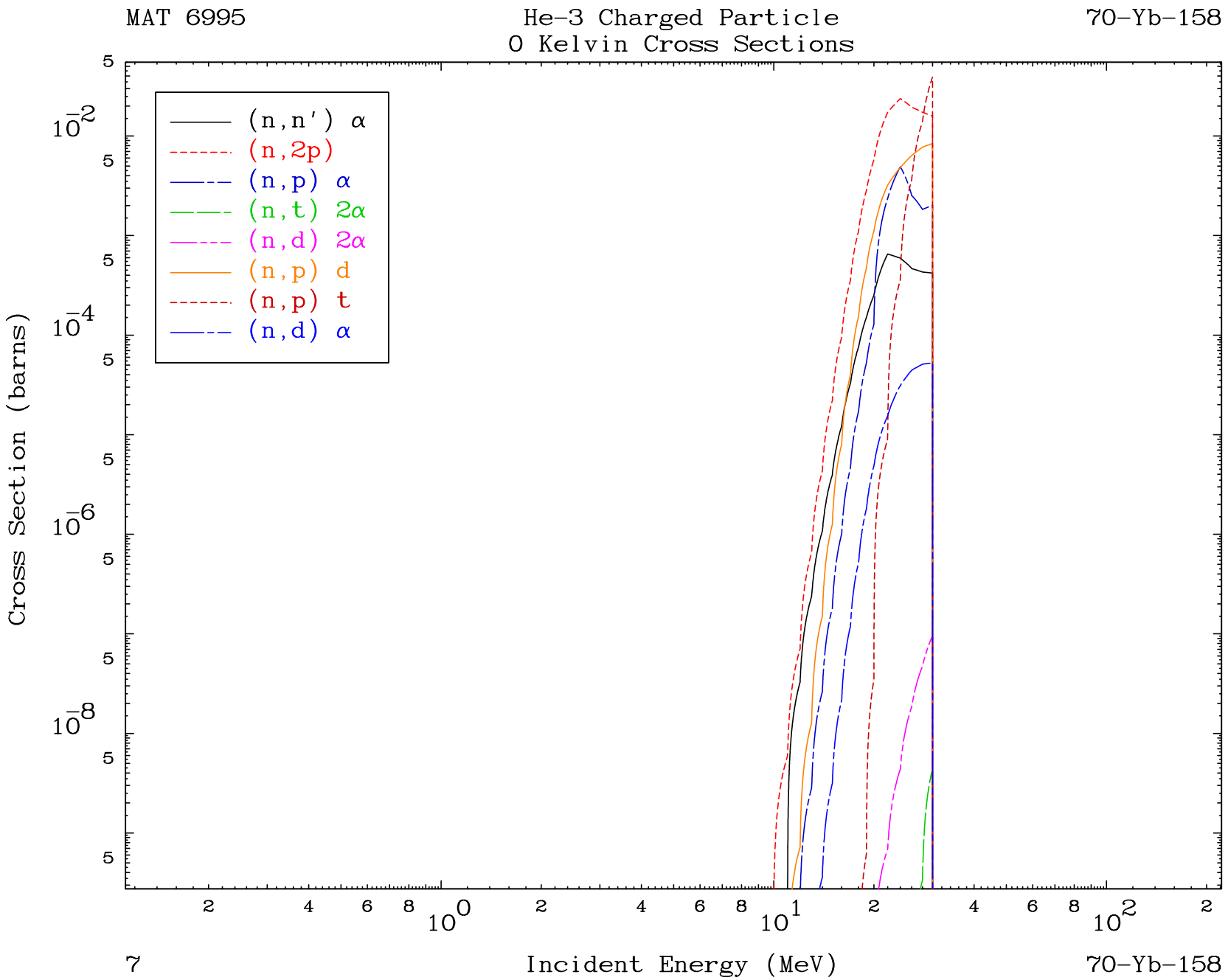

MAT 6995
He-3 Neutron Absorption
0 Kelvin Cross Sections
70-Yb-158
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,n') 3α
(n,2n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
2
70-Yb-158

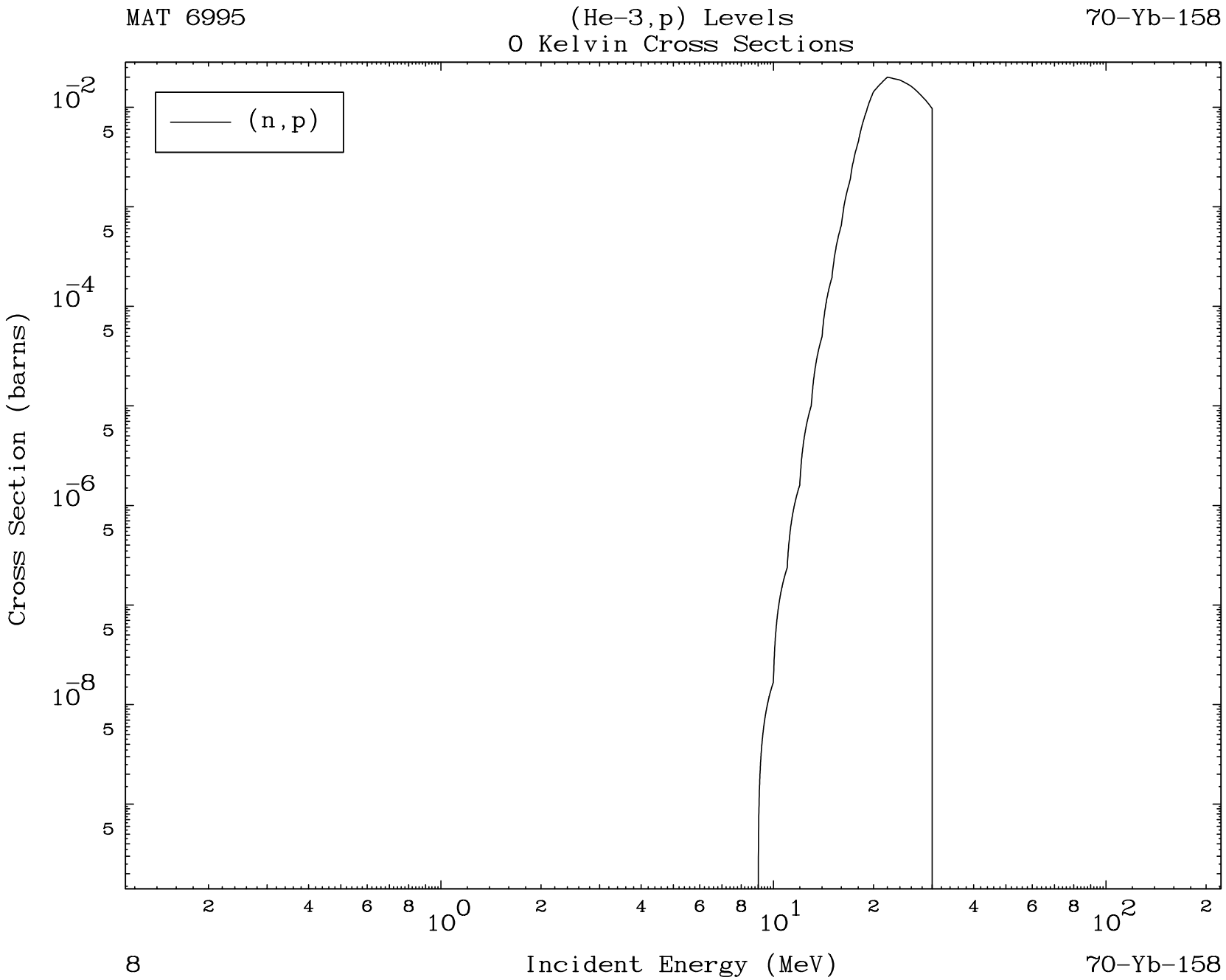

MAT 6995
He-3 Neutron Absorption
0 Kelvin Cross Sections
70-Yb-158
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
70-Yb-158

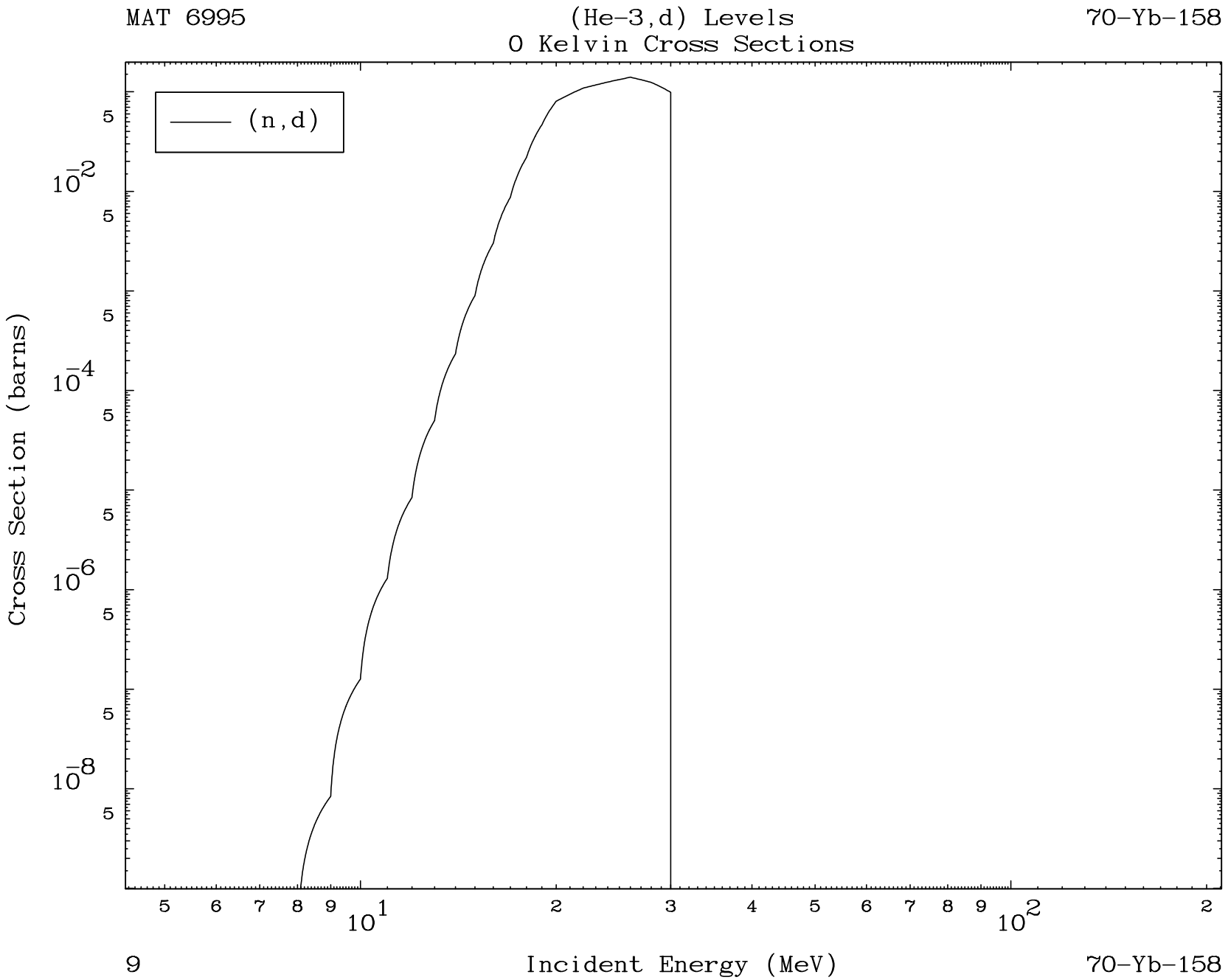

MAT 6995
He-3 Neutron Absorption
0 Kelvin Cross Sections
70-Yb-158
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,t) 2α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
70-Yb-158

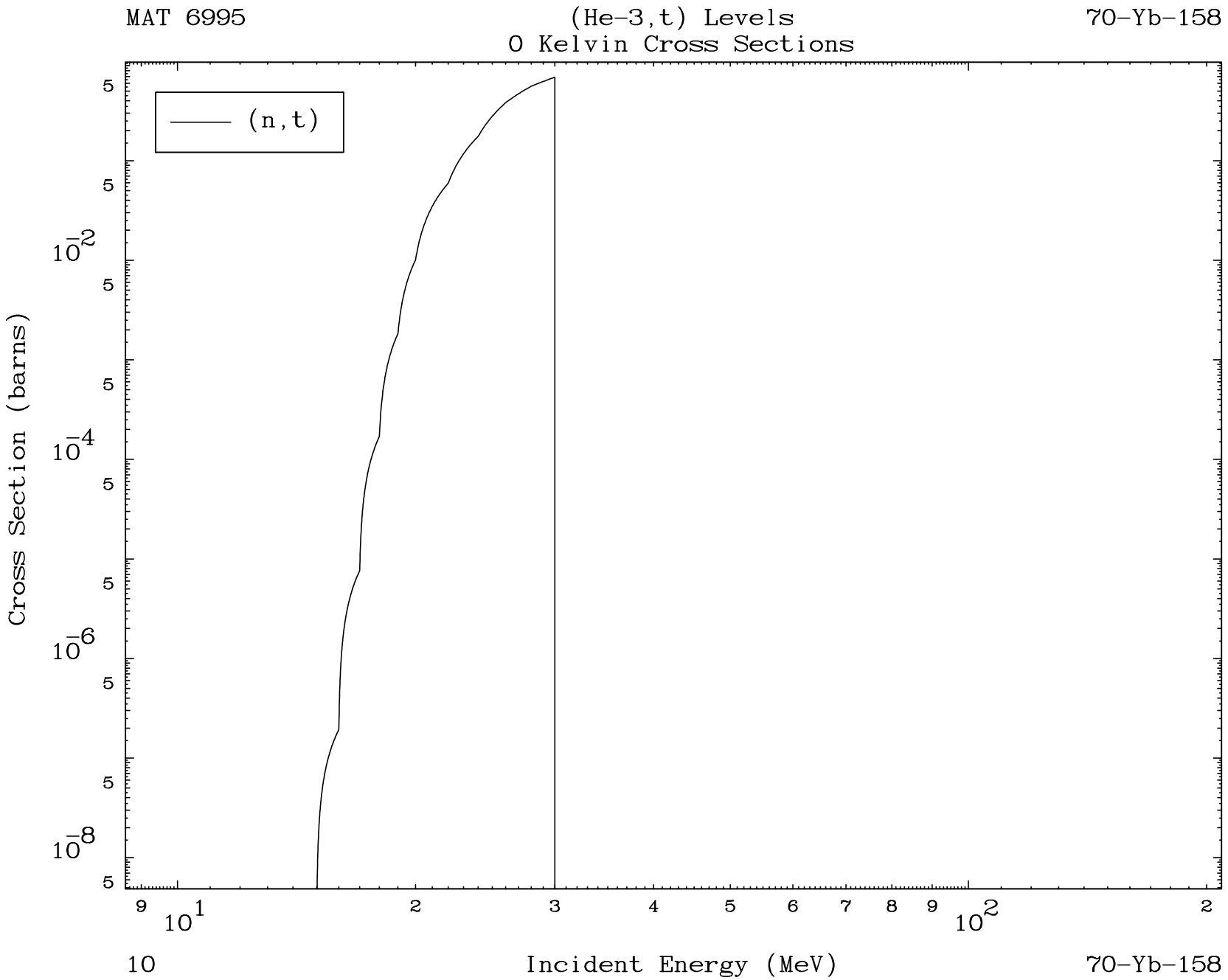

MAT 6995
He-3 Charged Particle
0 Kelvin Cross Sections
70-Yb-158
(n,n') α
(n,n') 3α
(n,2n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
70-Yb-158
5

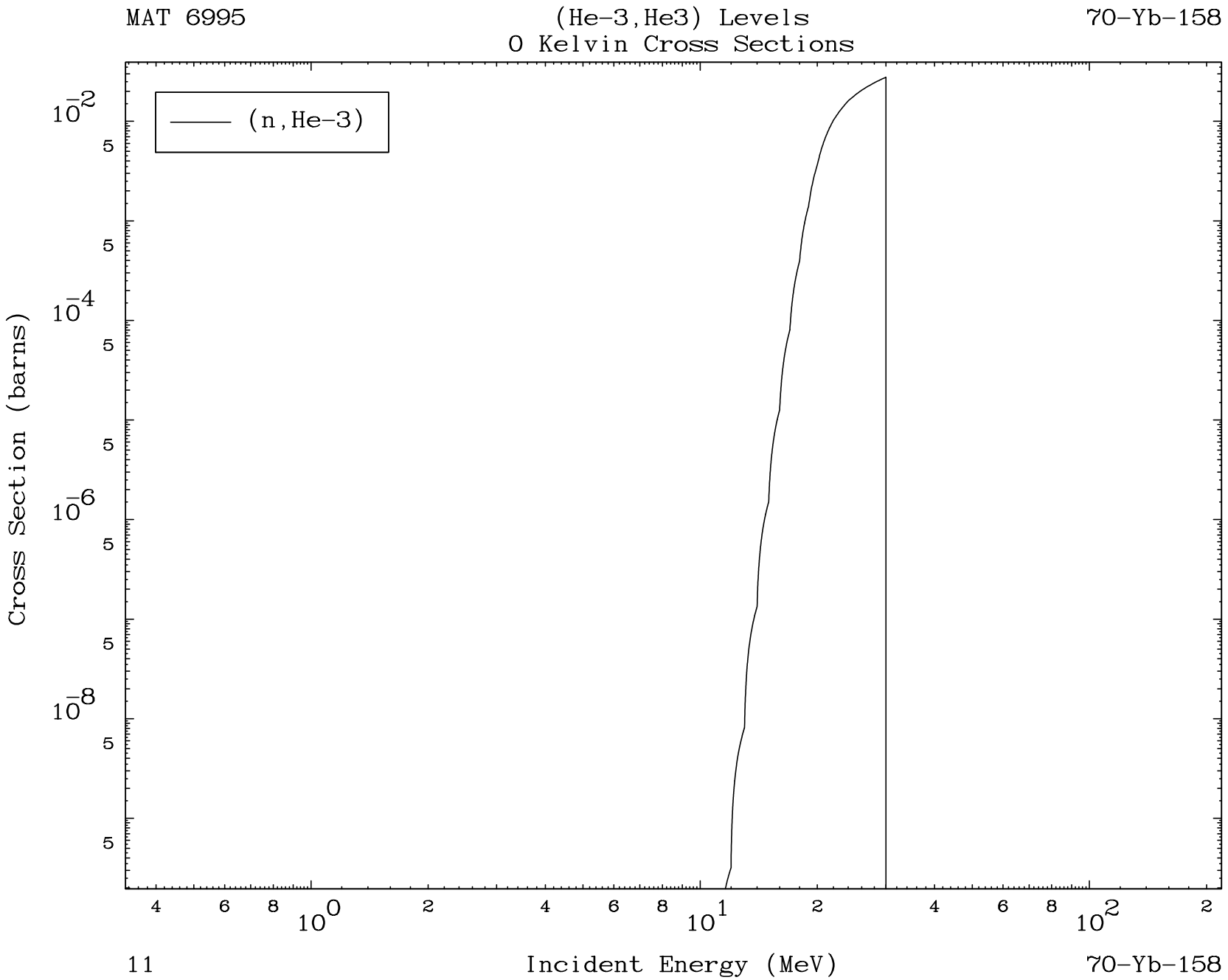

MAT 6995
He-3 Charged Particle
0 Kelvin Cross Sections
70-Yb-158
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
6
70-Yb-158

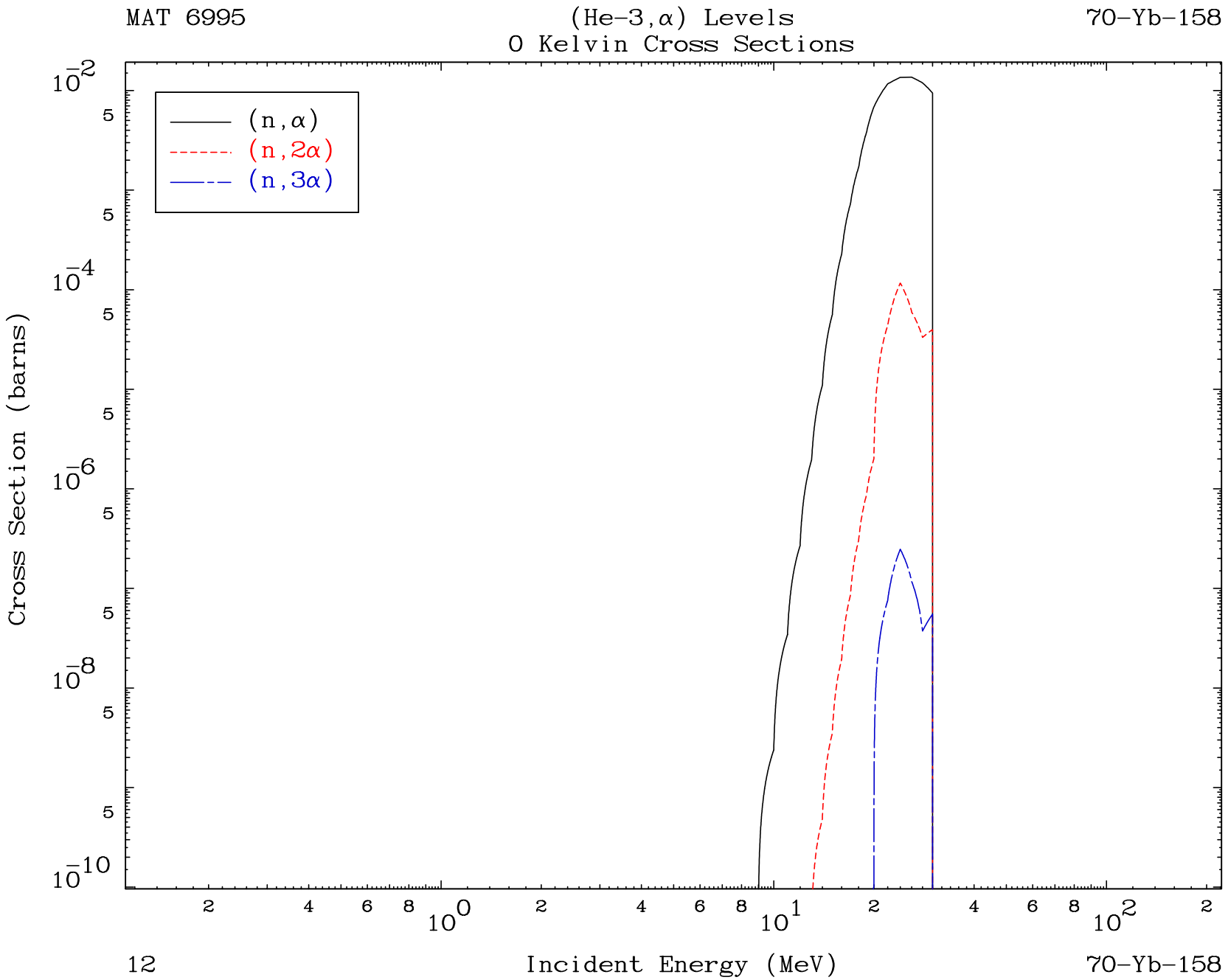

MAT 6995
He-3 Charged Particle
0 Kelvin Cross Sections
70-Yb-158
(n,n') α
(n,2p)
(n,p) α
(n,t) 2α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
70-Yb-158

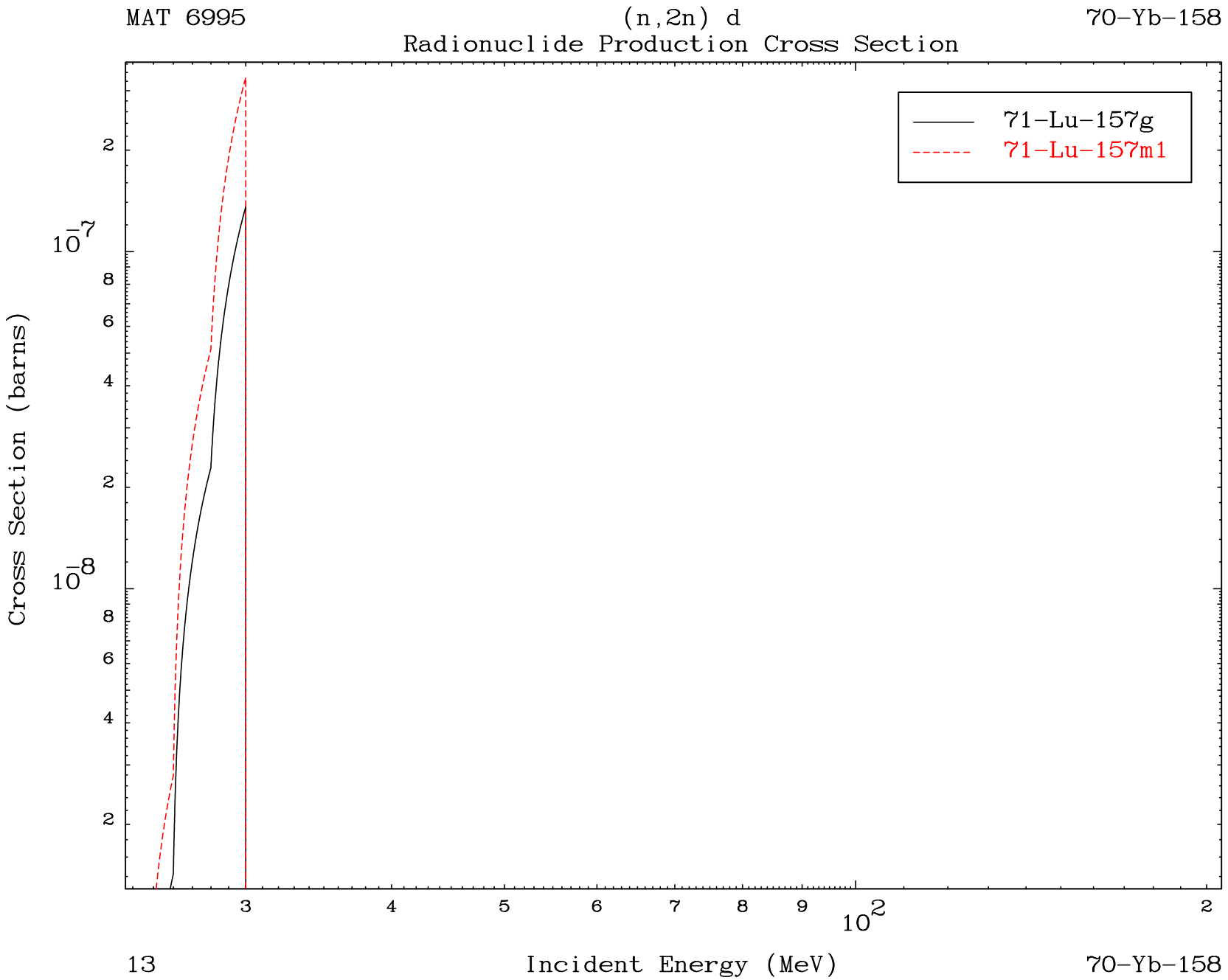

MAT 6995
(He-3,p) Levels
0 Kelvin Cross Sections
70-Yb-158
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
70-Yb-158

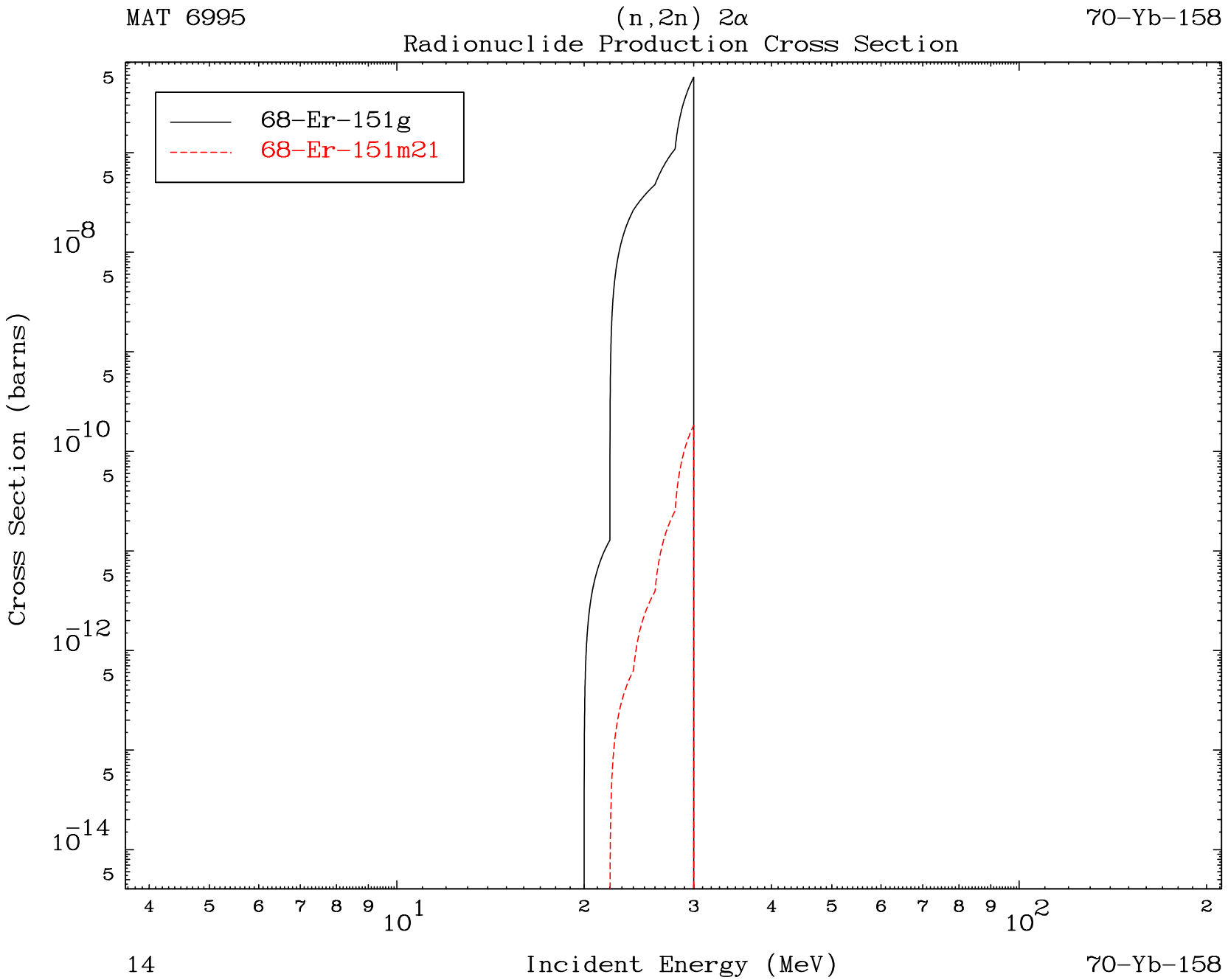

MAT 6995
(He-3,d) Levels
70-Yb-158
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5
5 6 7 8 9 10 2 3 4 5 6 7 8 9 102 2
Incident Energy (MeV)
9
70-Yb-158

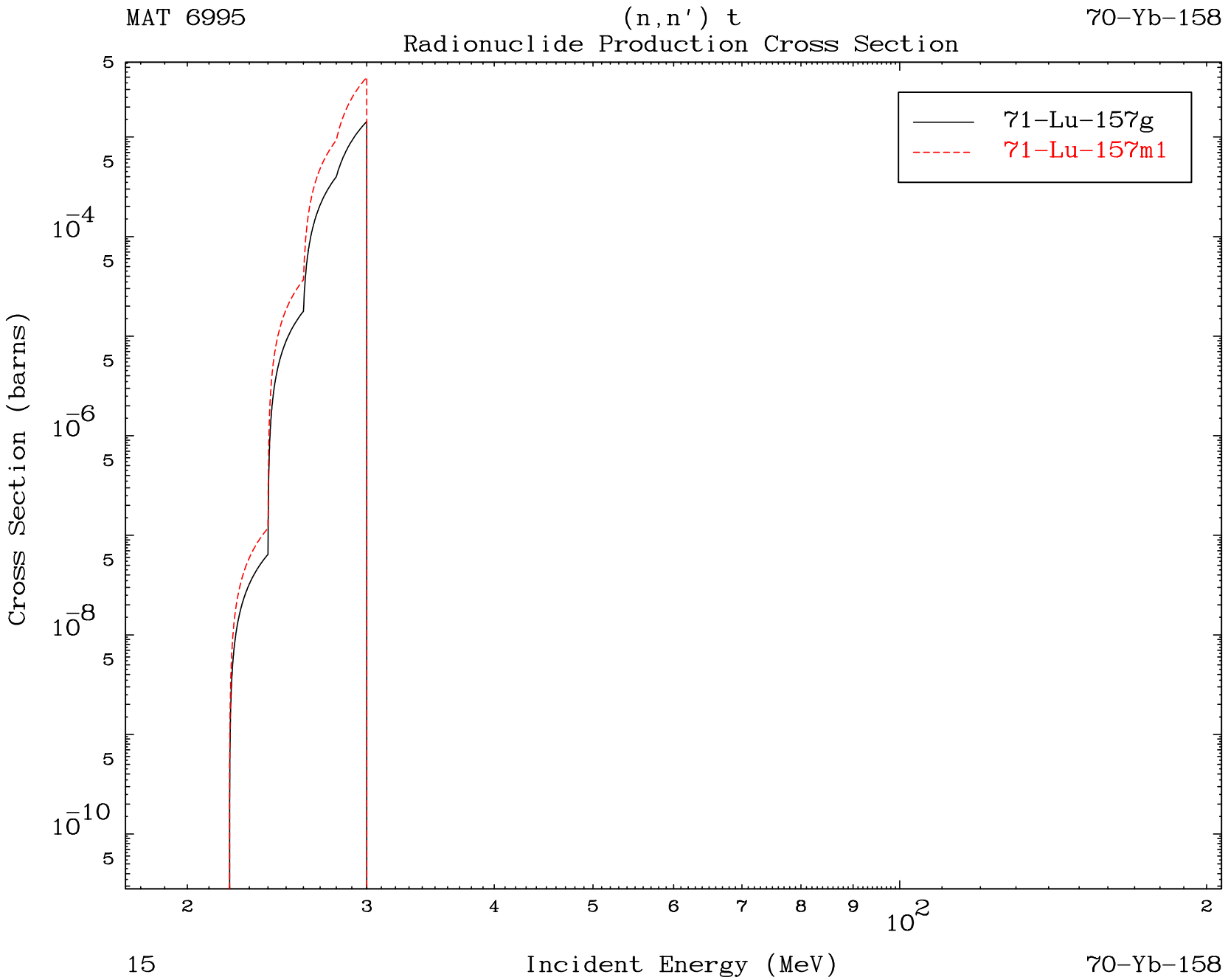

MAT 6995
(He-3,t) Levels
70-Yb-158
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-158

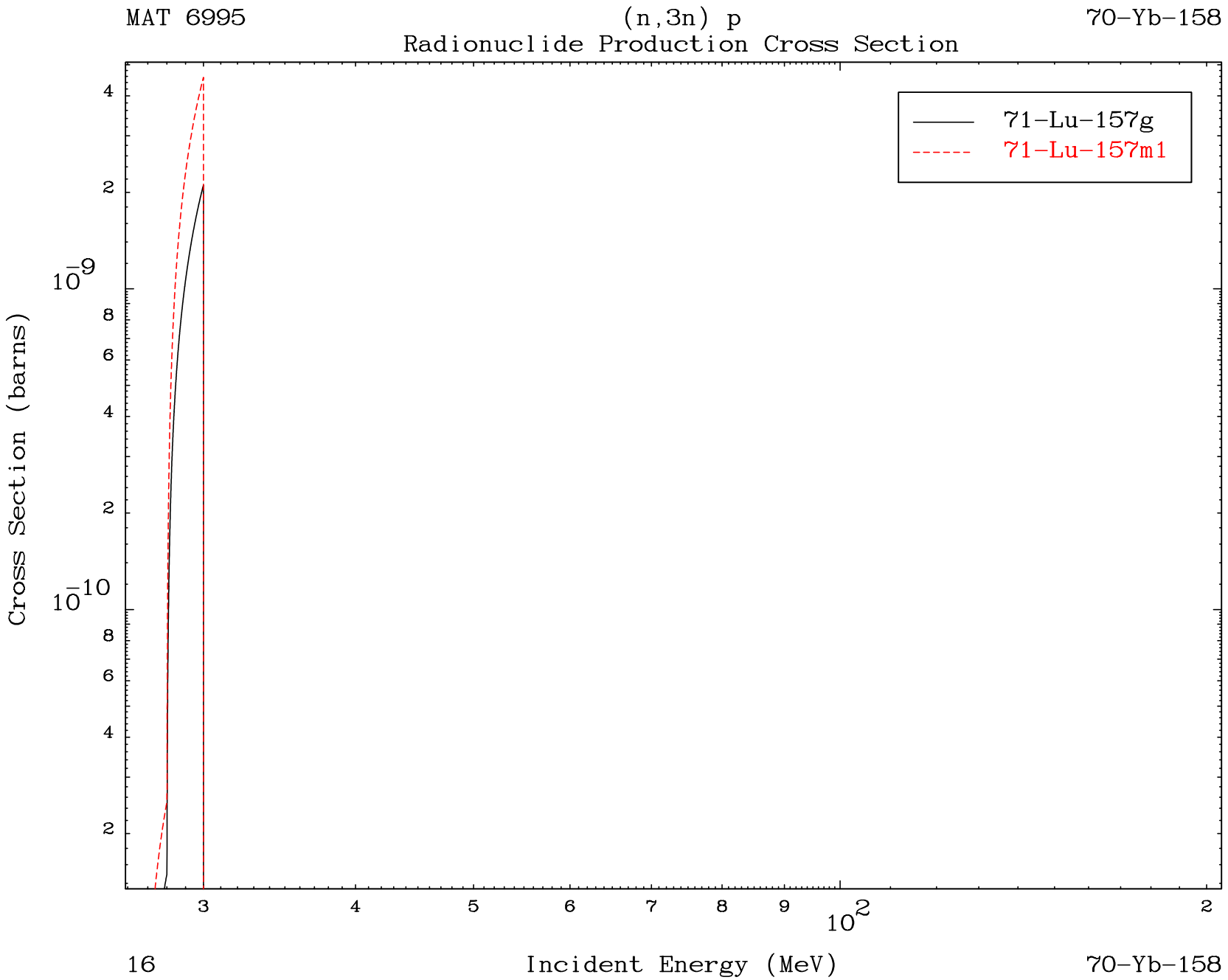

MAT 6995
(He-3,He3) Levels
70-Yb-158
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
70-Yb-158

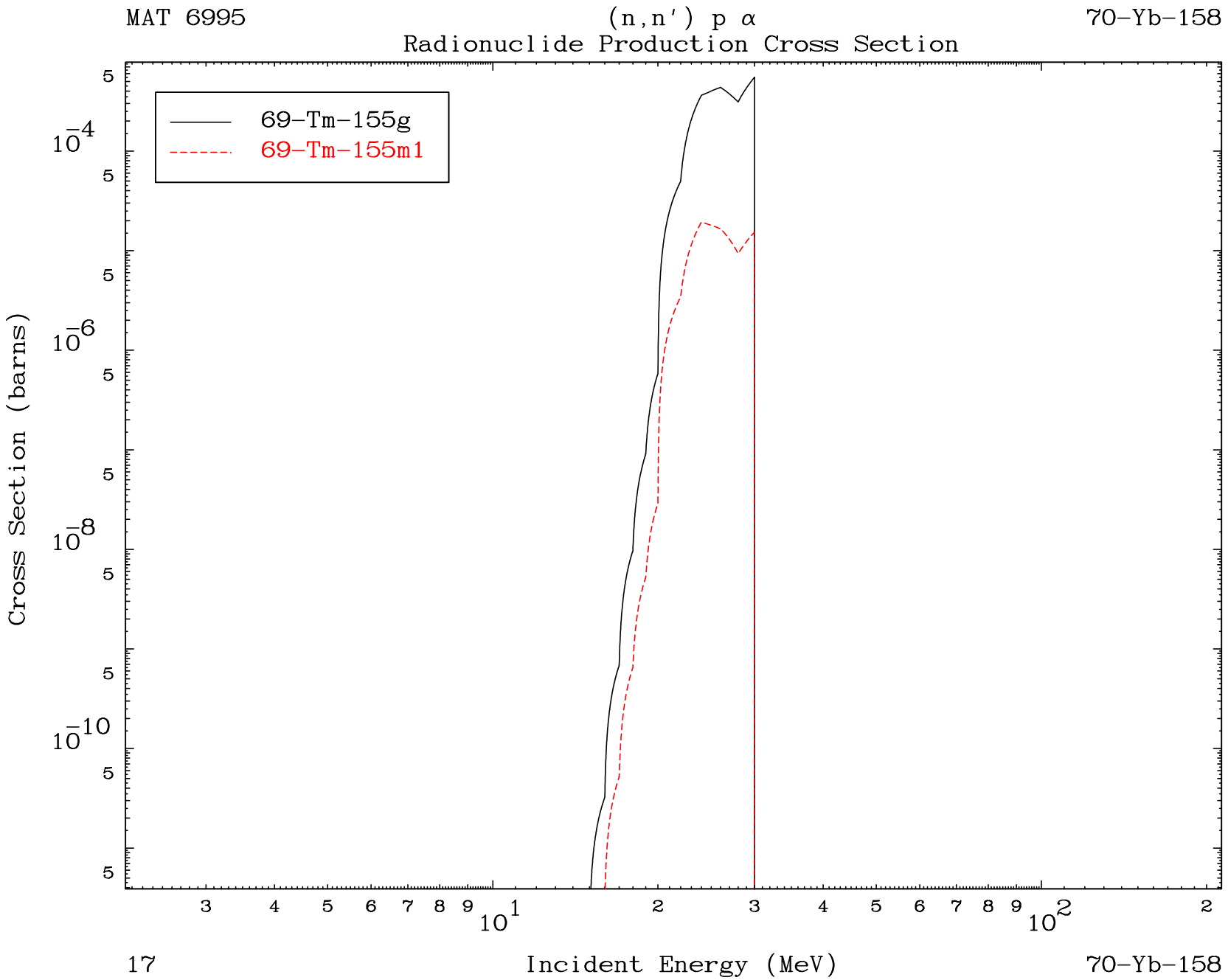

MAT 6995
(He-3,α) Levels
0 Kelvin Cross Sections
70-Yb-158
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
12
70-Yb-158

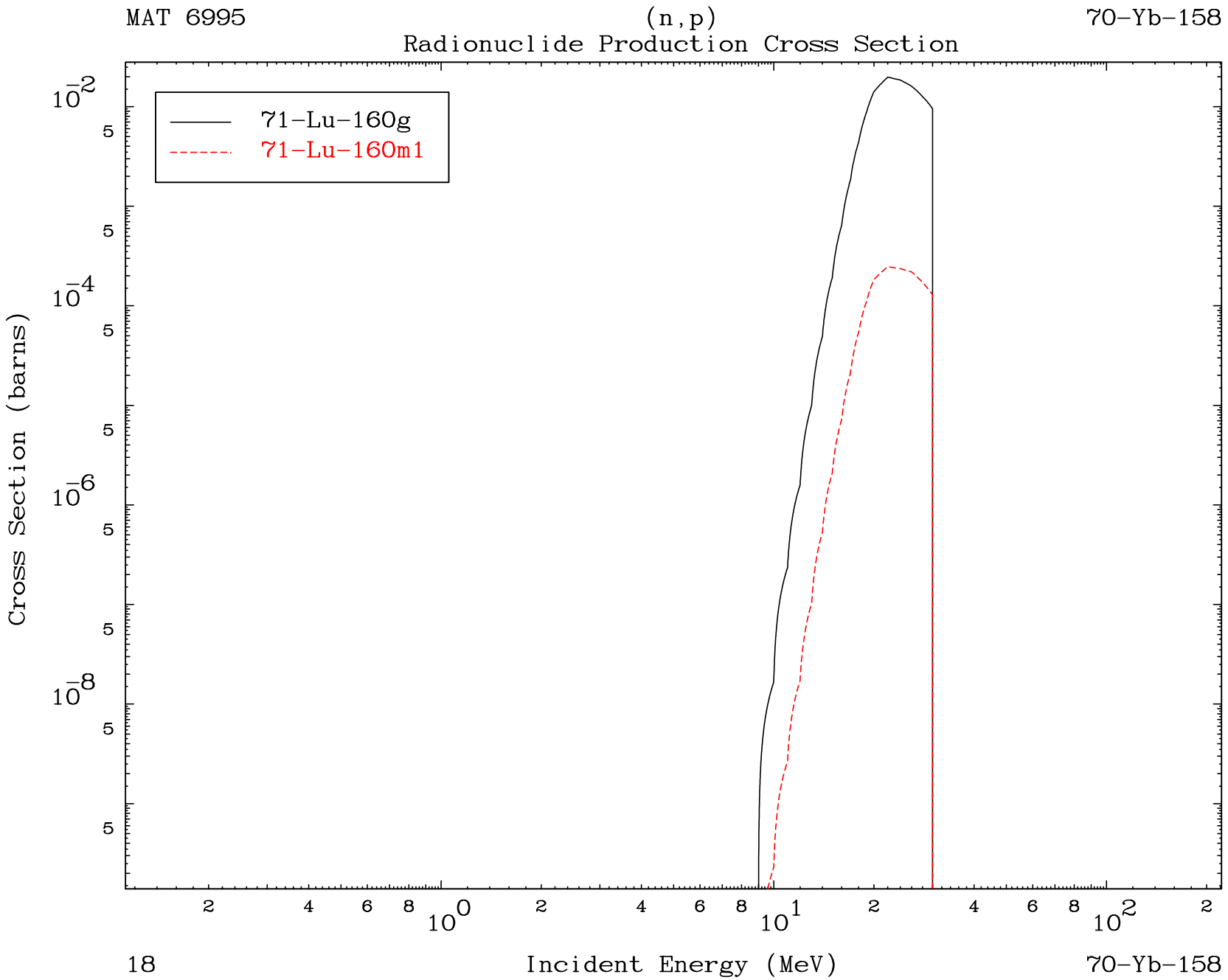

MAT 6995
(n,2n) d
70-Yb-158
Radionuclide Production Cross Section
71-Lu-157g
71-Lu-157m1
Cross Section (barns)
10-7
10-8
2
8
6
4
2
8
6
4
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
70-Yb-158

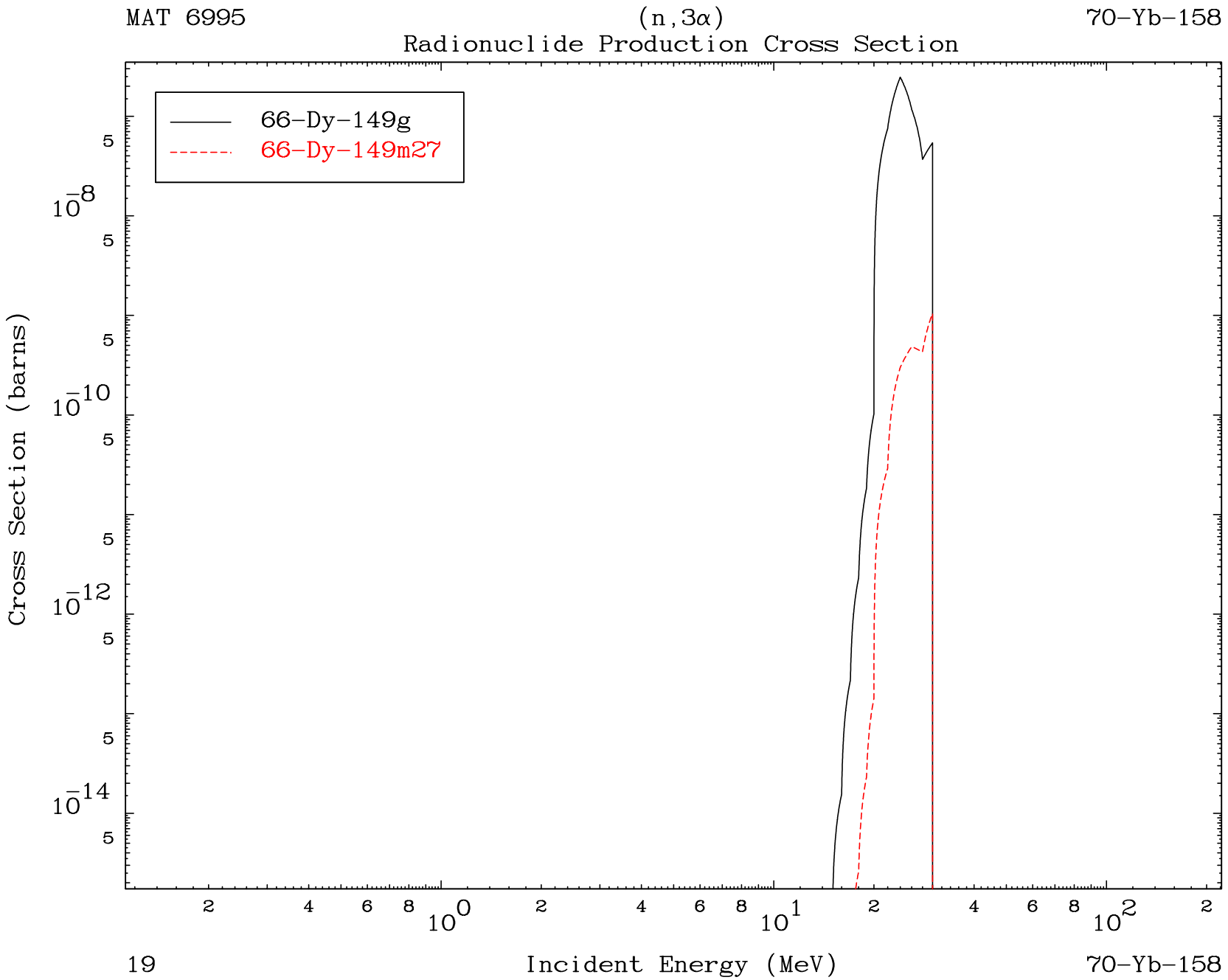

MAT 6995
(n,2n) 2α
70-Yb-158
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m21
Cross Section (barns)
Incident Energy (MeV)
14
70-Yb-158

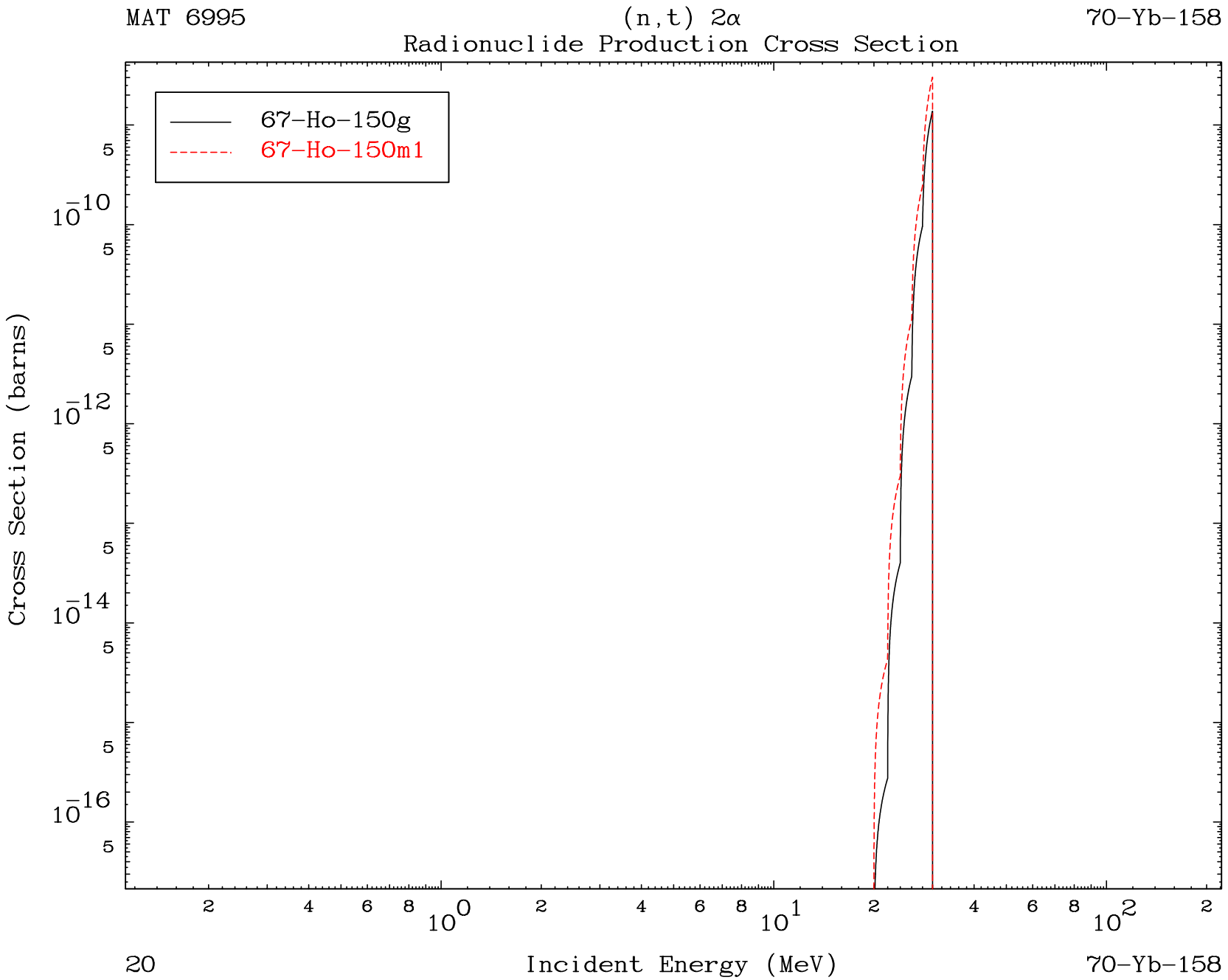

MAT 6995
(n,n') t
70-Yb-158
Radionuclide Production Cross Section
71-Lu-157g
71-Lu-157m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
70-Yb-158

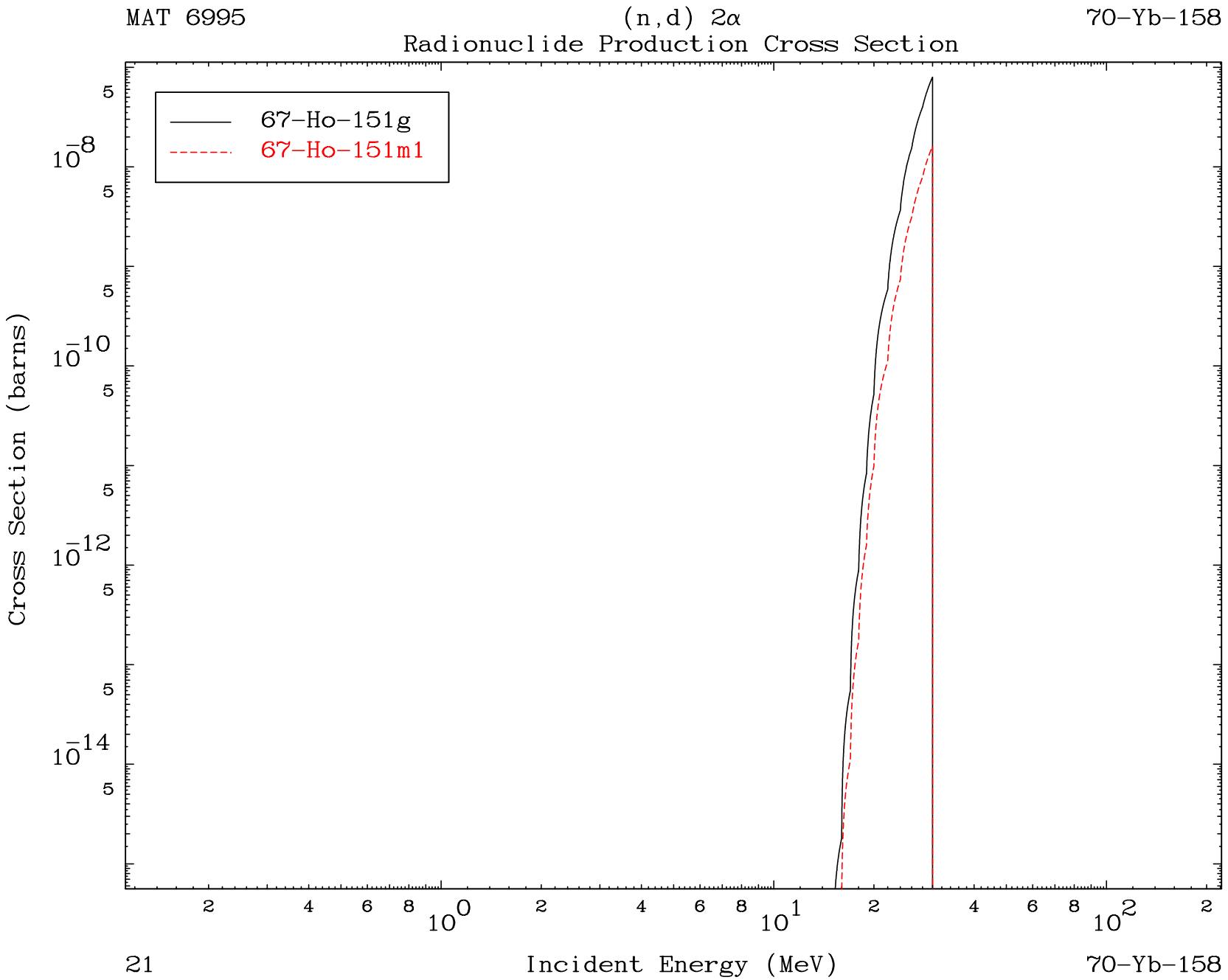

MAT 6995
(n,3n) p
70-Yb-158
Radionuclide Production Cross Section
71-Lu-157g
71-Lu-157m1
Cross Section (barns)
10-9
10-10
4
2
8
6
4
2
8
6
4
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
70-Yb-158

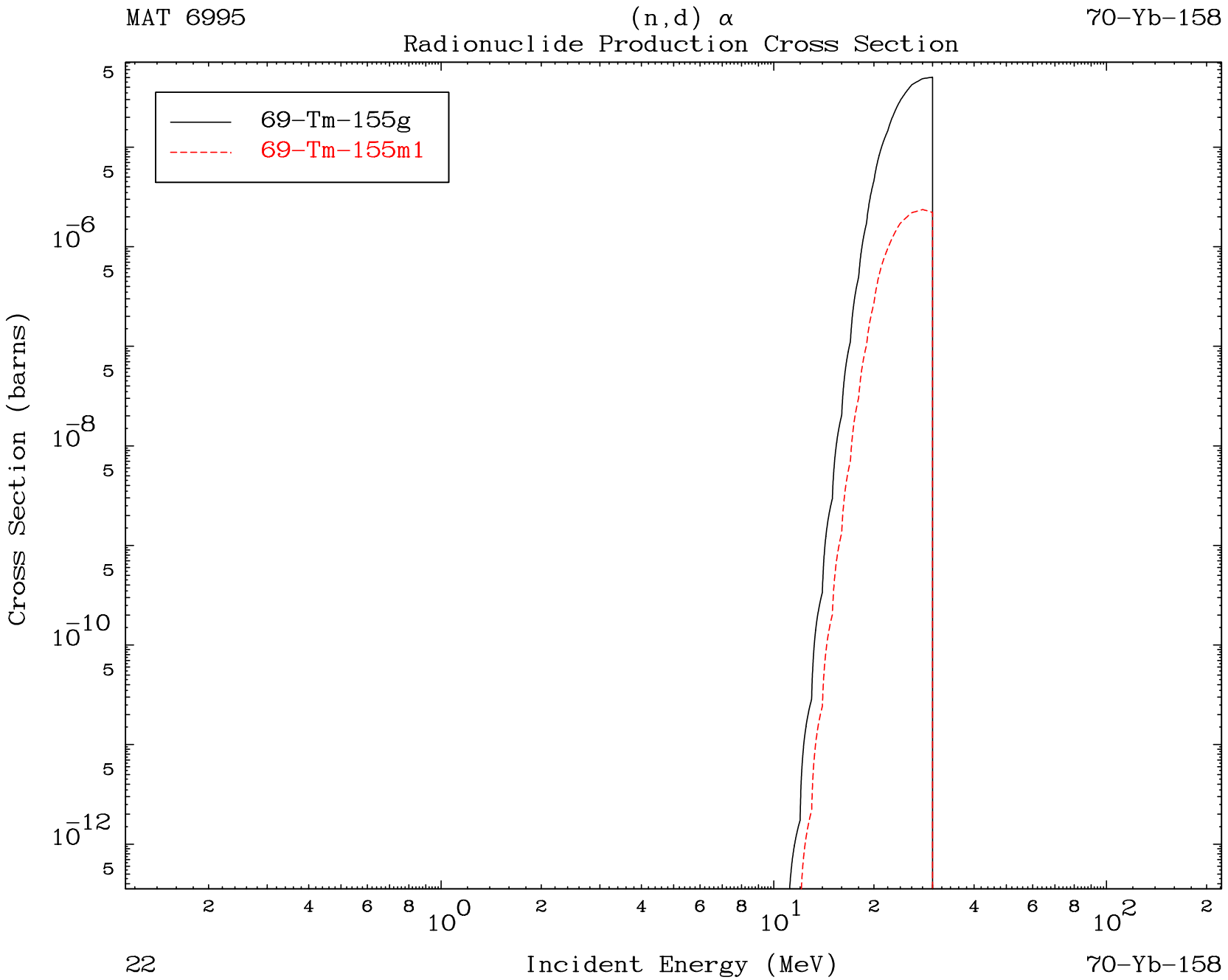

MAT 6995
(n,n') p α
70-Yb-158
Radionuclide Production Cross Section
69-Tm-155g
69-Tm-155m1
Cross Section (barns)
Incident Energy (MeV)
17
70-Yb-158


MAT 6995
(n,p)
70-Yb-158
Radionuclide Production Cross Section
71-Lu-160g
71-Lu-160m1
Cross Section (barns)
Incident Energy (MeV)
18
70-Yb-158


MAT 6995
(n,3α)
70-Yb-158
Radionuclide Production Cross Section
66-Dy-149g
66-Dy-149m27
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^0
10^1
10^2
Incident Energy (MeV)
19
70-Yb-158


MAT 6995
(n,t) 2α
70-Yb-158
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
Cross Section (barns)
Incident Energy (MeV)
20
70-Yb-158


MAT 6995
(n,d) 2α
70-Yb-158
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
Incident Energy (MeV)
21
70-Yb-158


MAT 6995
(n,d) α
70-Yb-158
Radionuclide Production Cross Section
69-Tm-155g
69-Tm-155m1
Cross Section (barns)
Incident Energy (MeV)
22
70-Yb-158