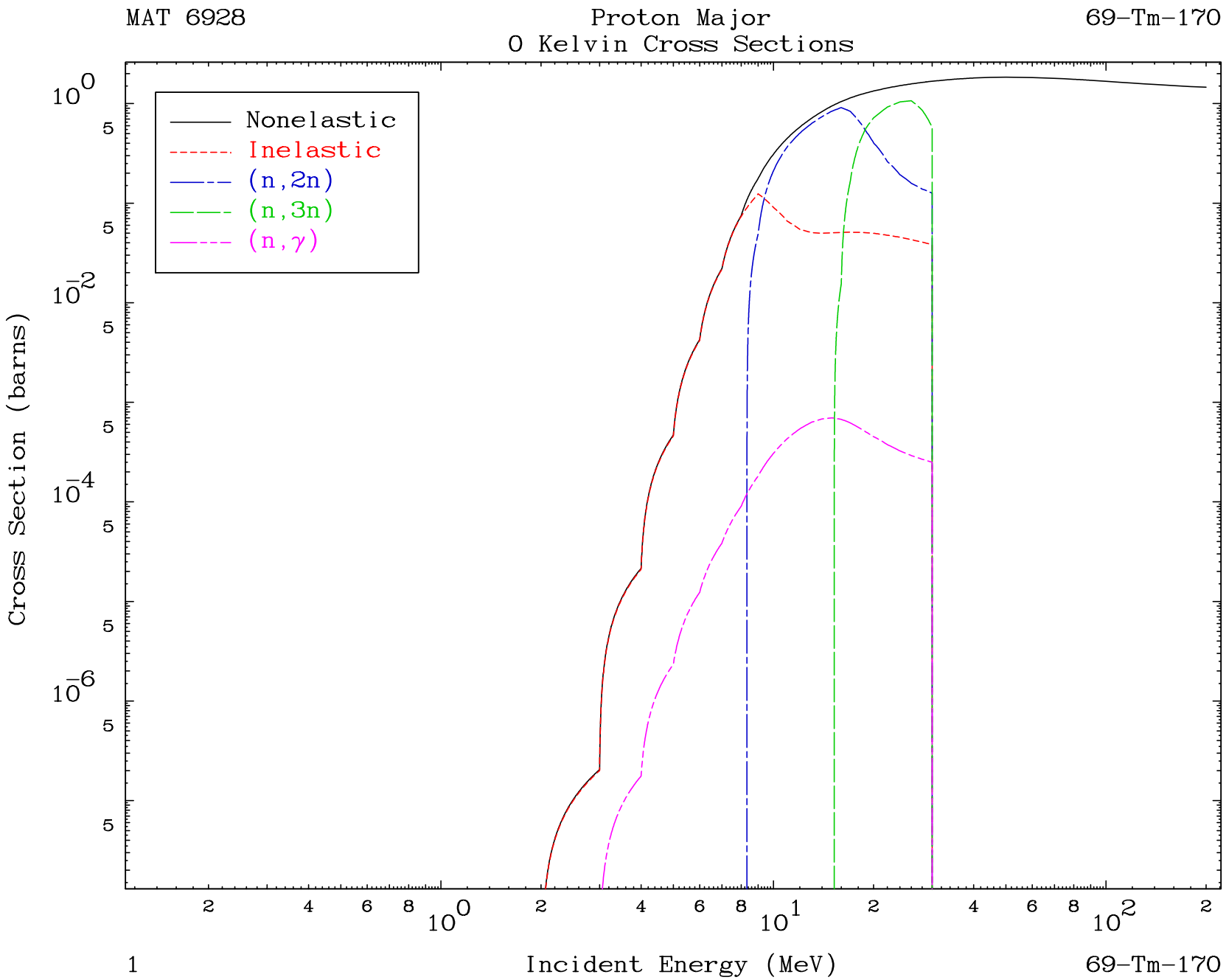
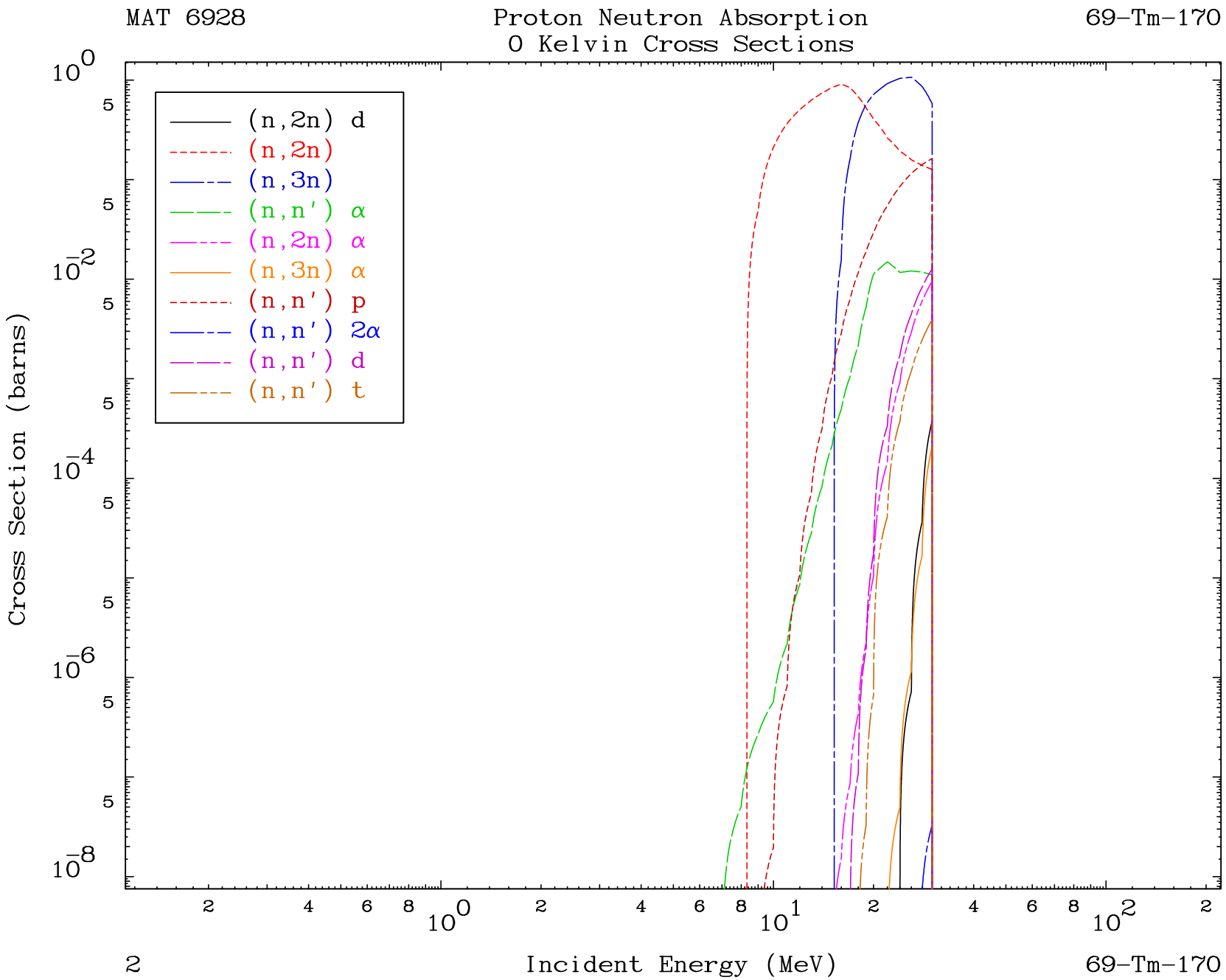
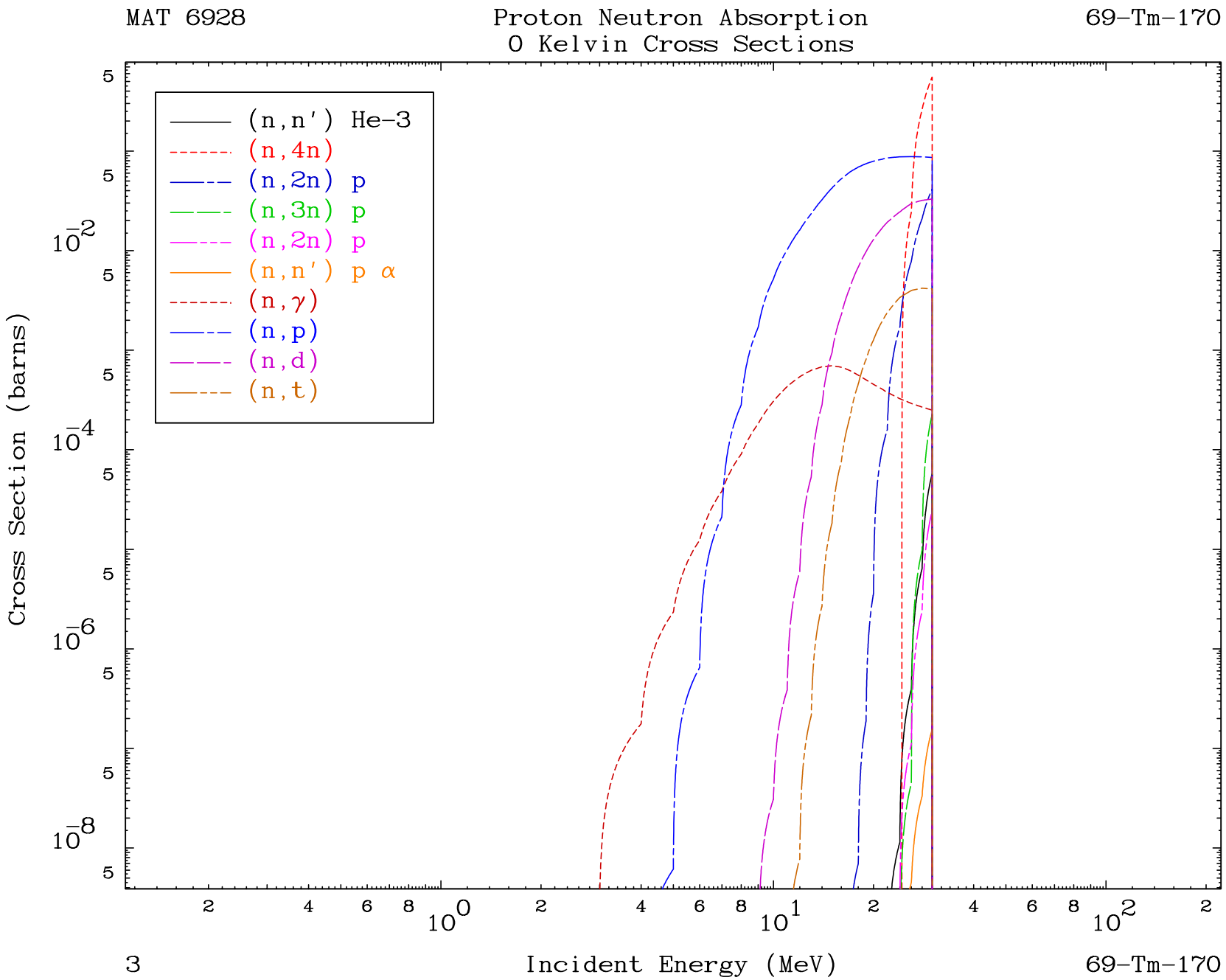
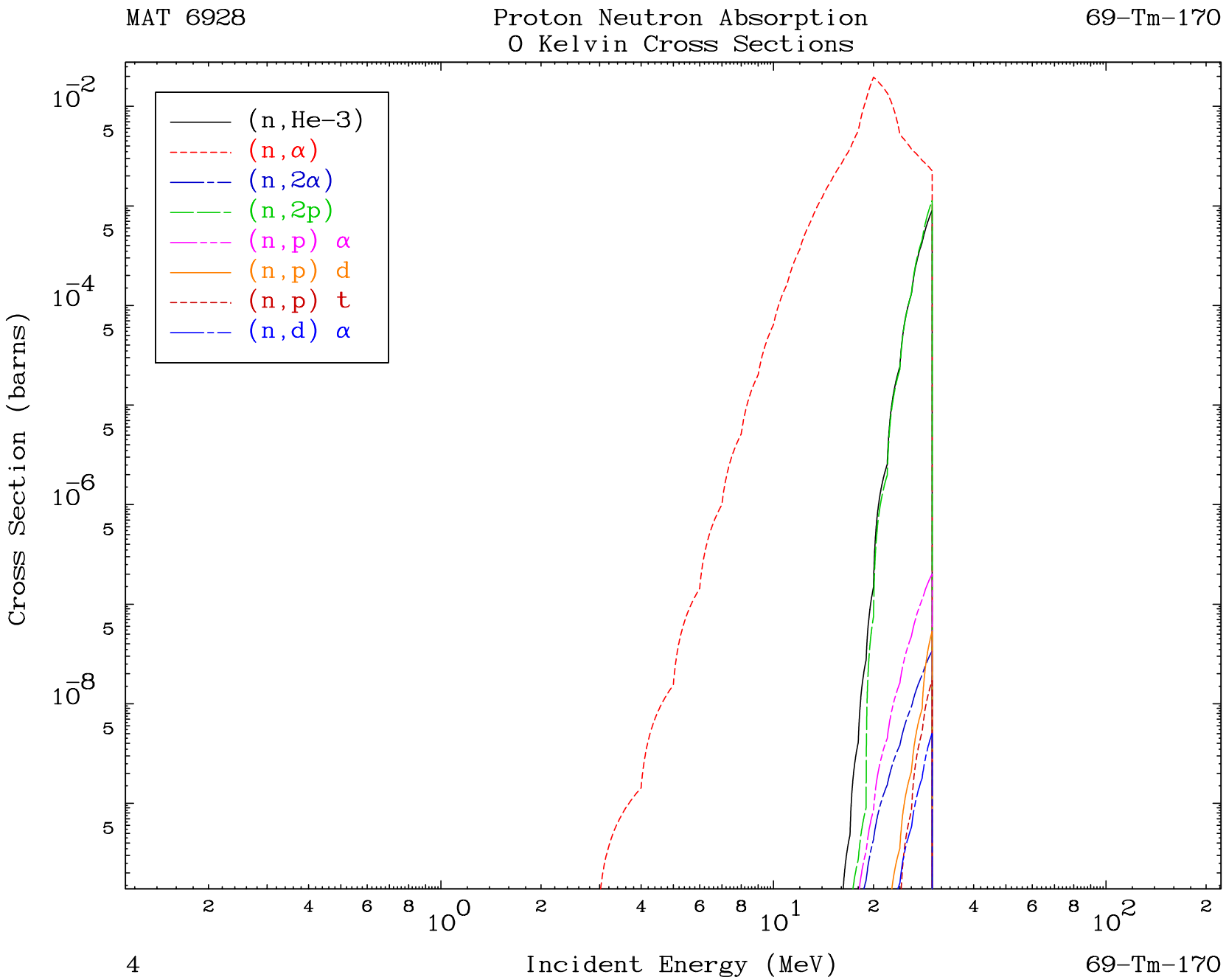
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

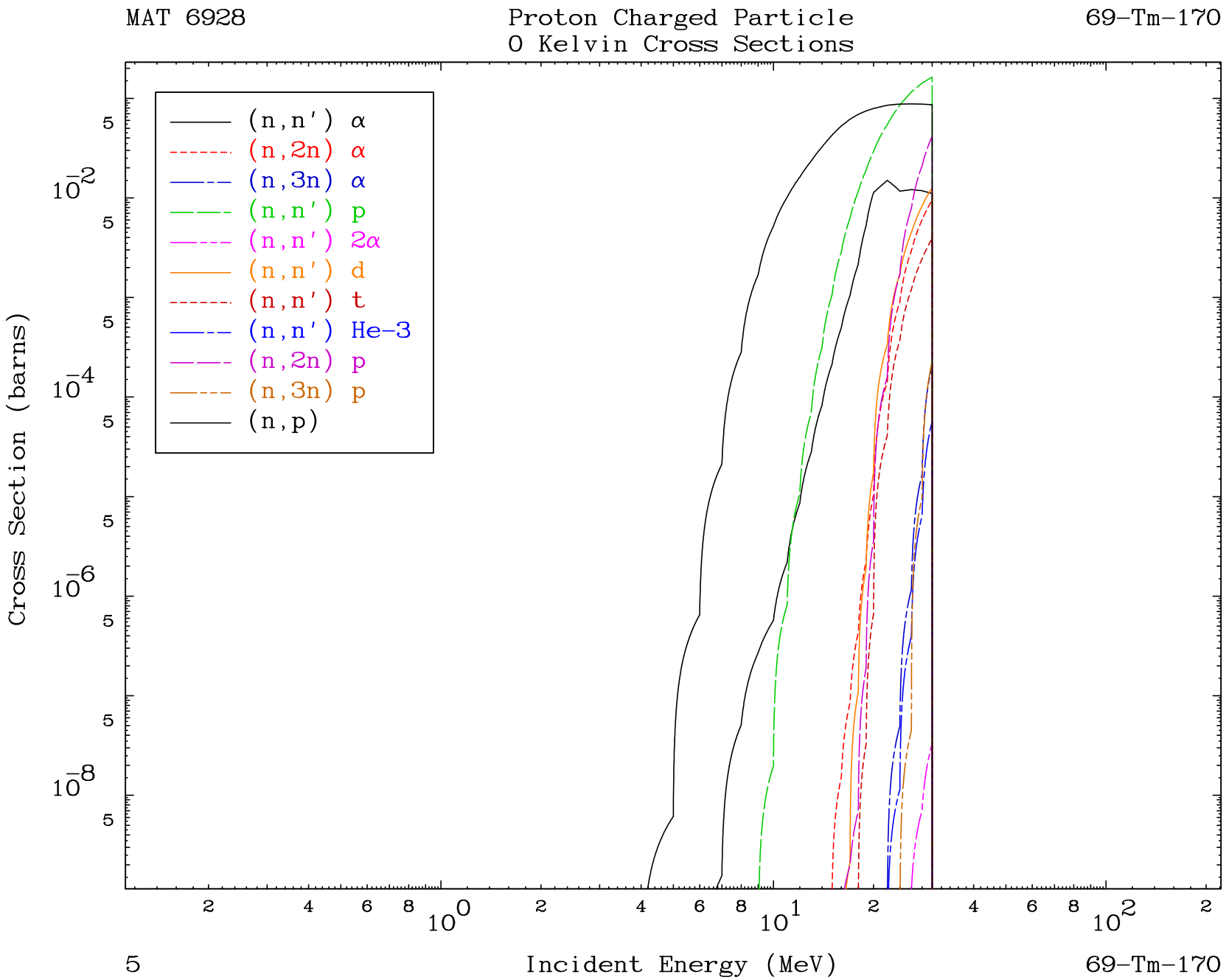
Press Mouse Button to Start

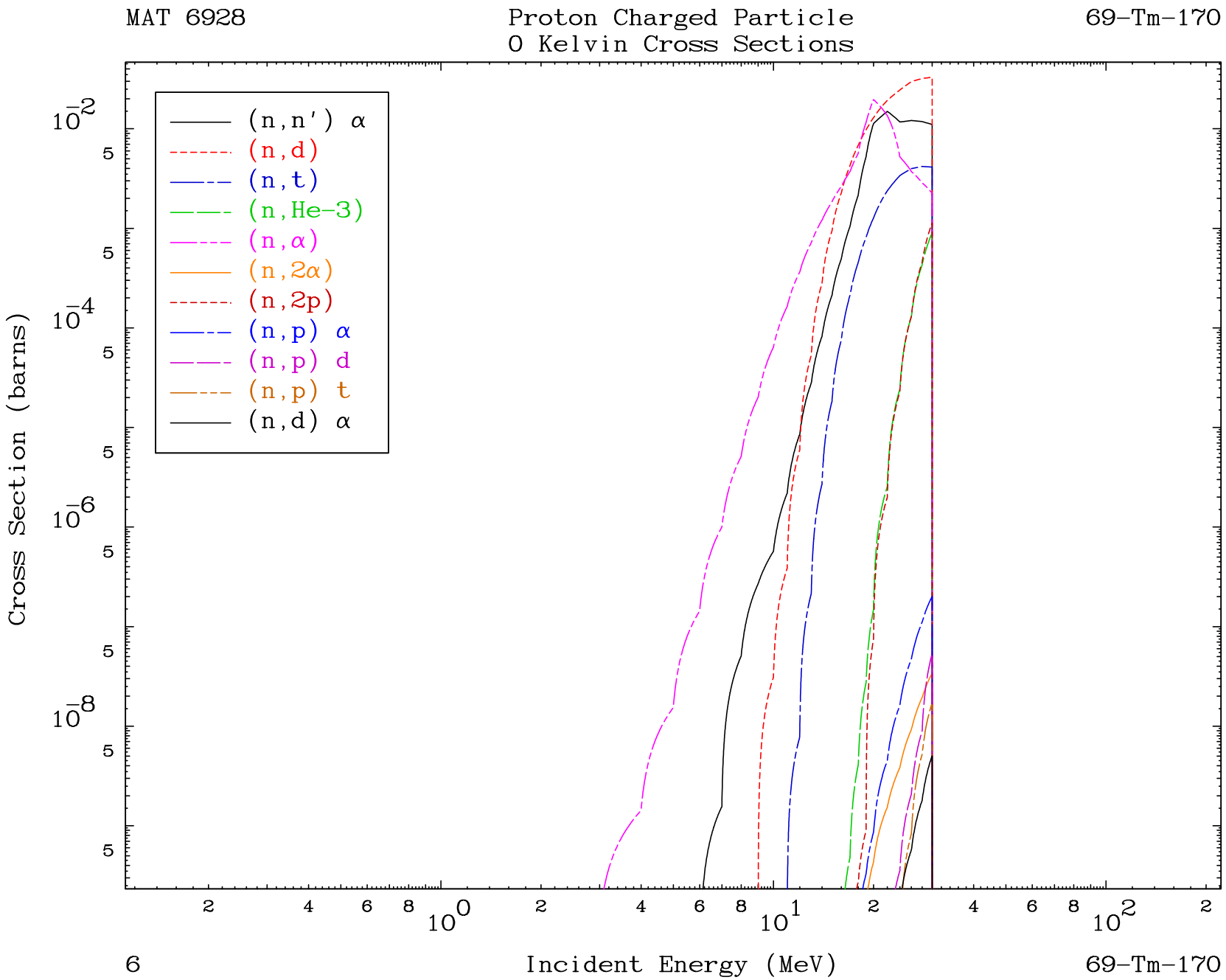

MAT 6928
Proton Major
69-Tm-170
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
69-Tm-170
1

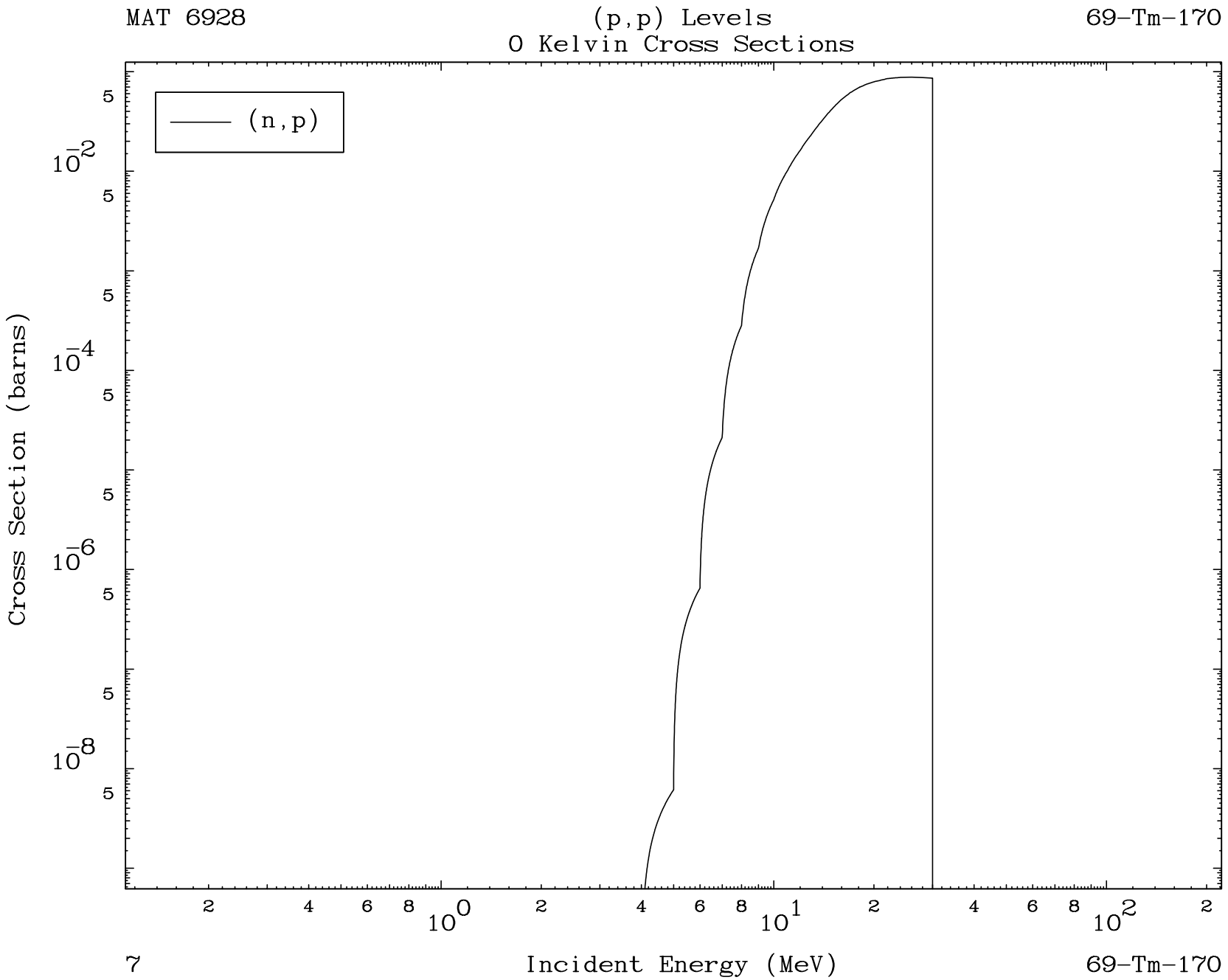

MAT 6928
Proton Neutron Absorption
0 Kelvin Cross Sections
69-Tm-170
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
69-Tm-170
2

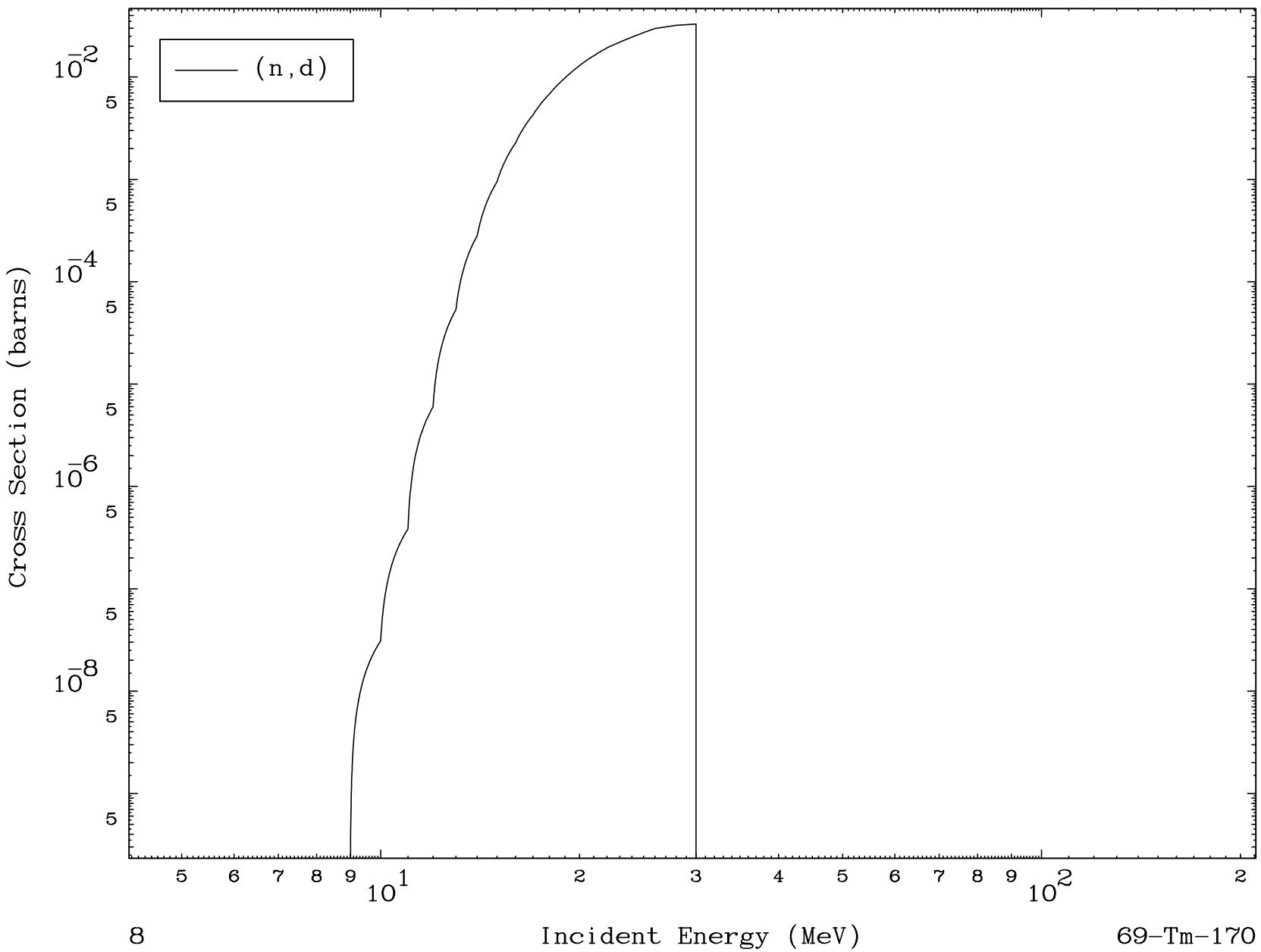

MAT 6928
Proton Neutron Absorption
0 Kelvin Cross Sections
69-Tm-170
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
69-Tm-170

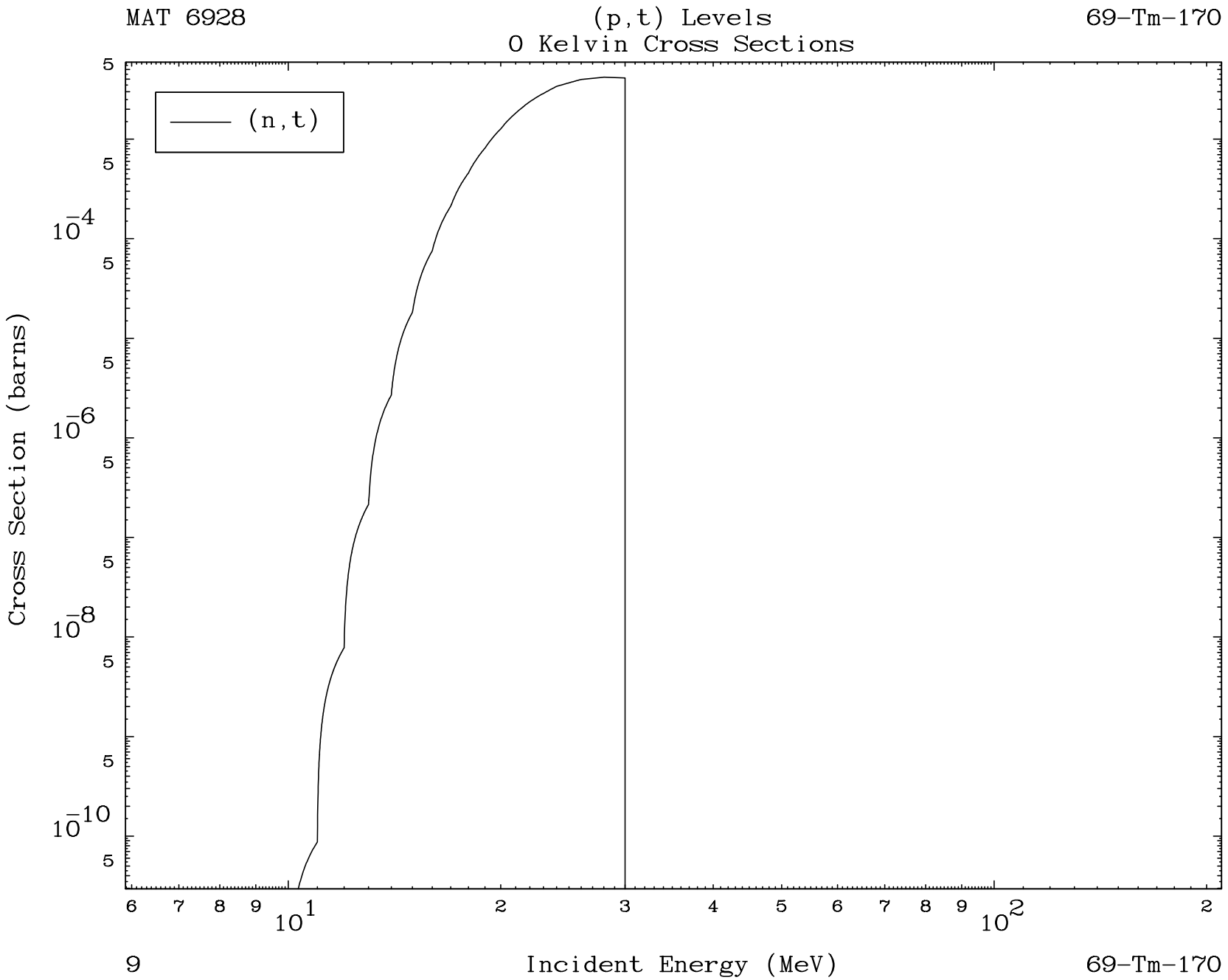

MAT 6928
Proton Neutron Absorption
0 Kelvin Cross Sections
69-Tm-170
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
69-Tm-170

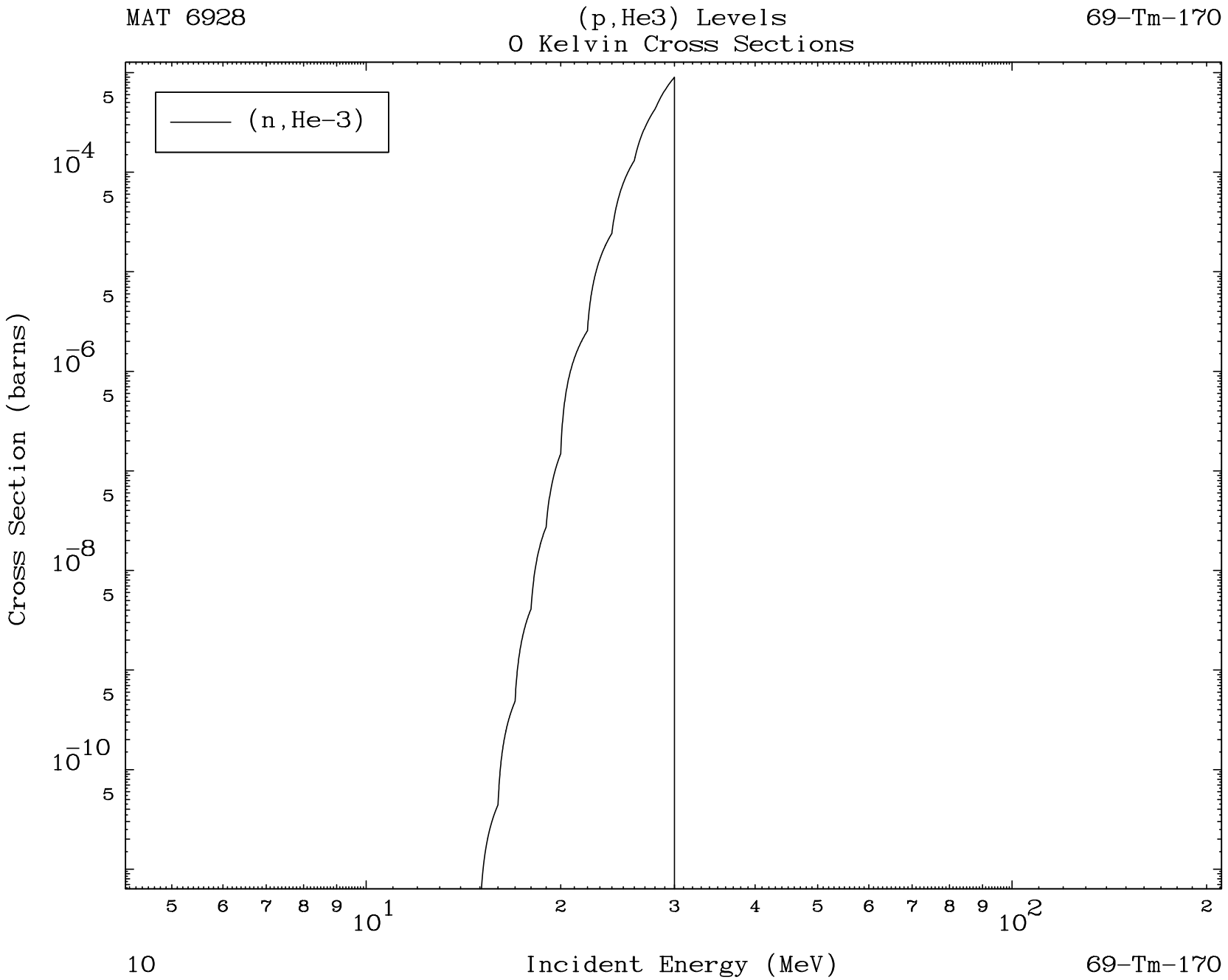

MAT 6928
Proton Charged Particle
0 Kelvin Cross Sections
69-Tm-170
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
69-Tm-170

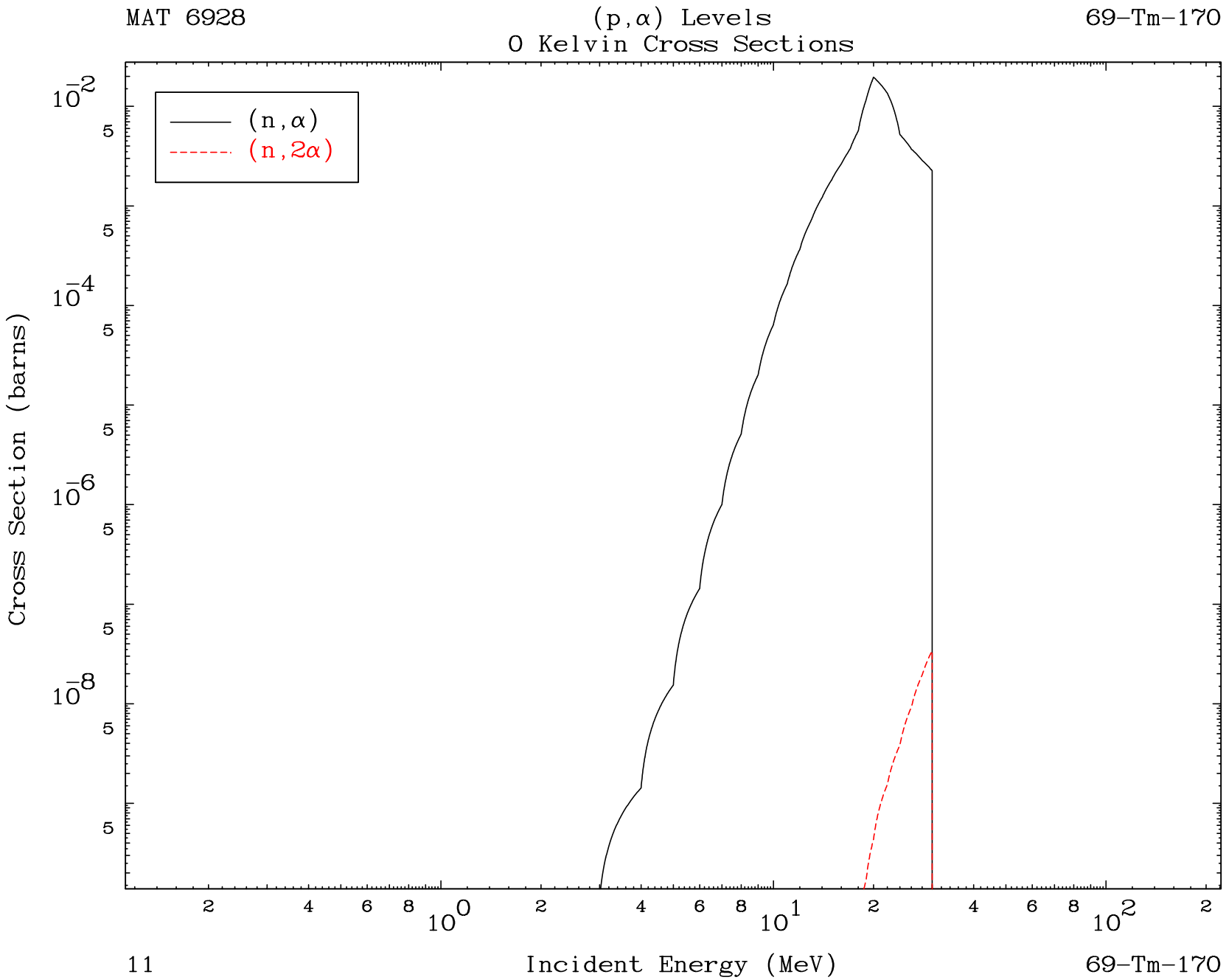

MAT 6928
Proton Charged Particle
0 Kelvin Cross Sections
69-Tm-170
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
69-Tm-170

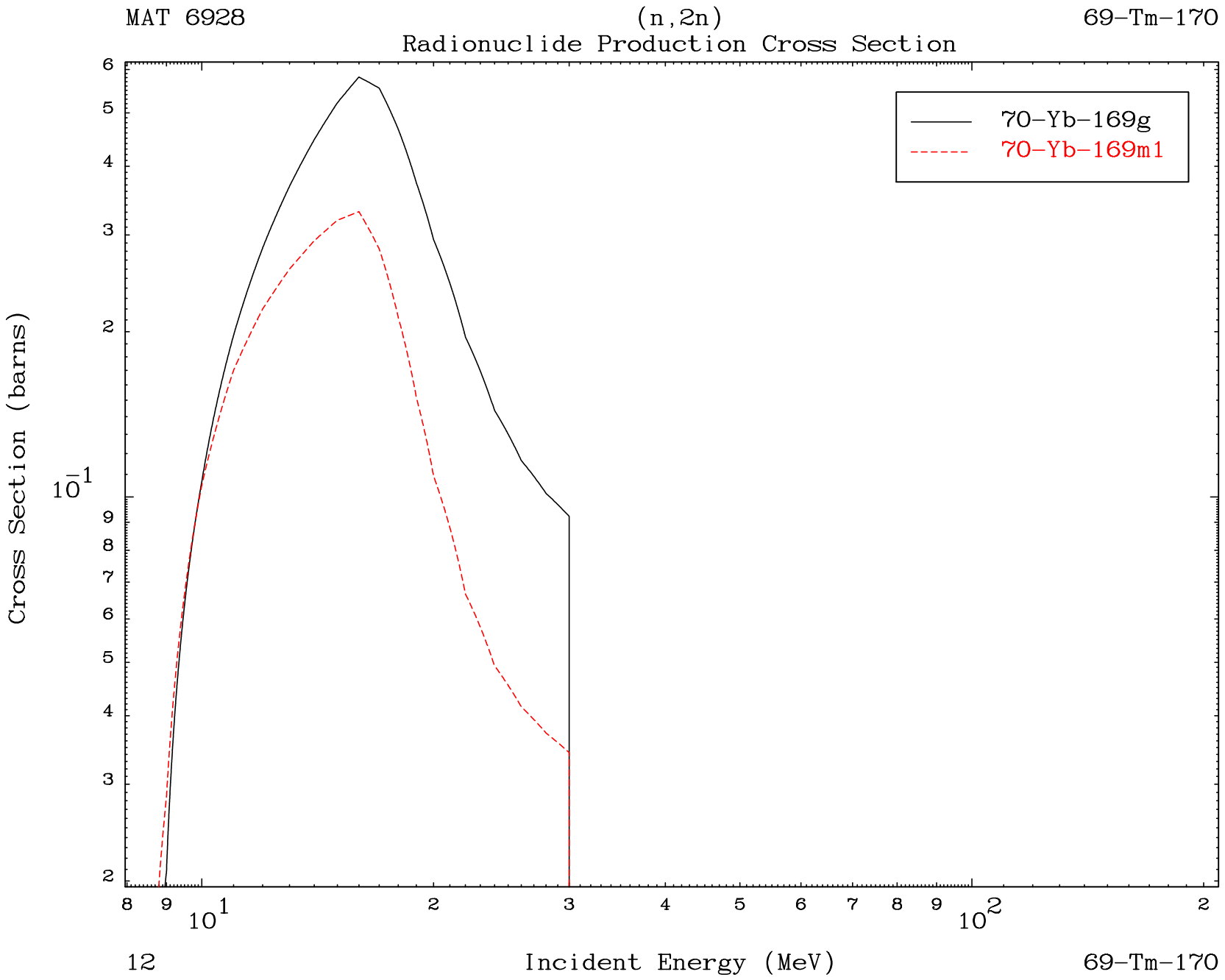

MAT 6928
(p,p) Levels
69-Tm-170
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
69-Tm-170

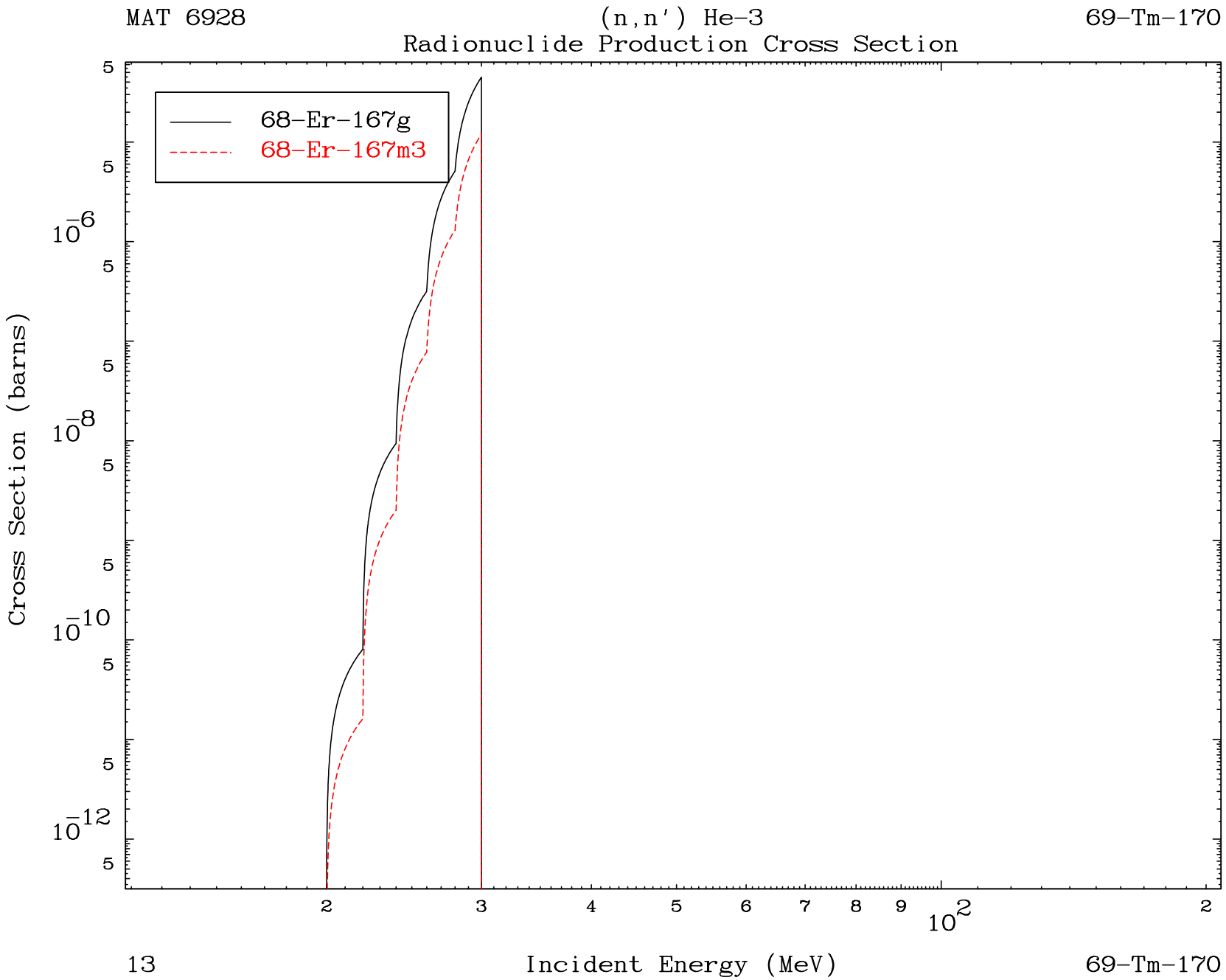

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

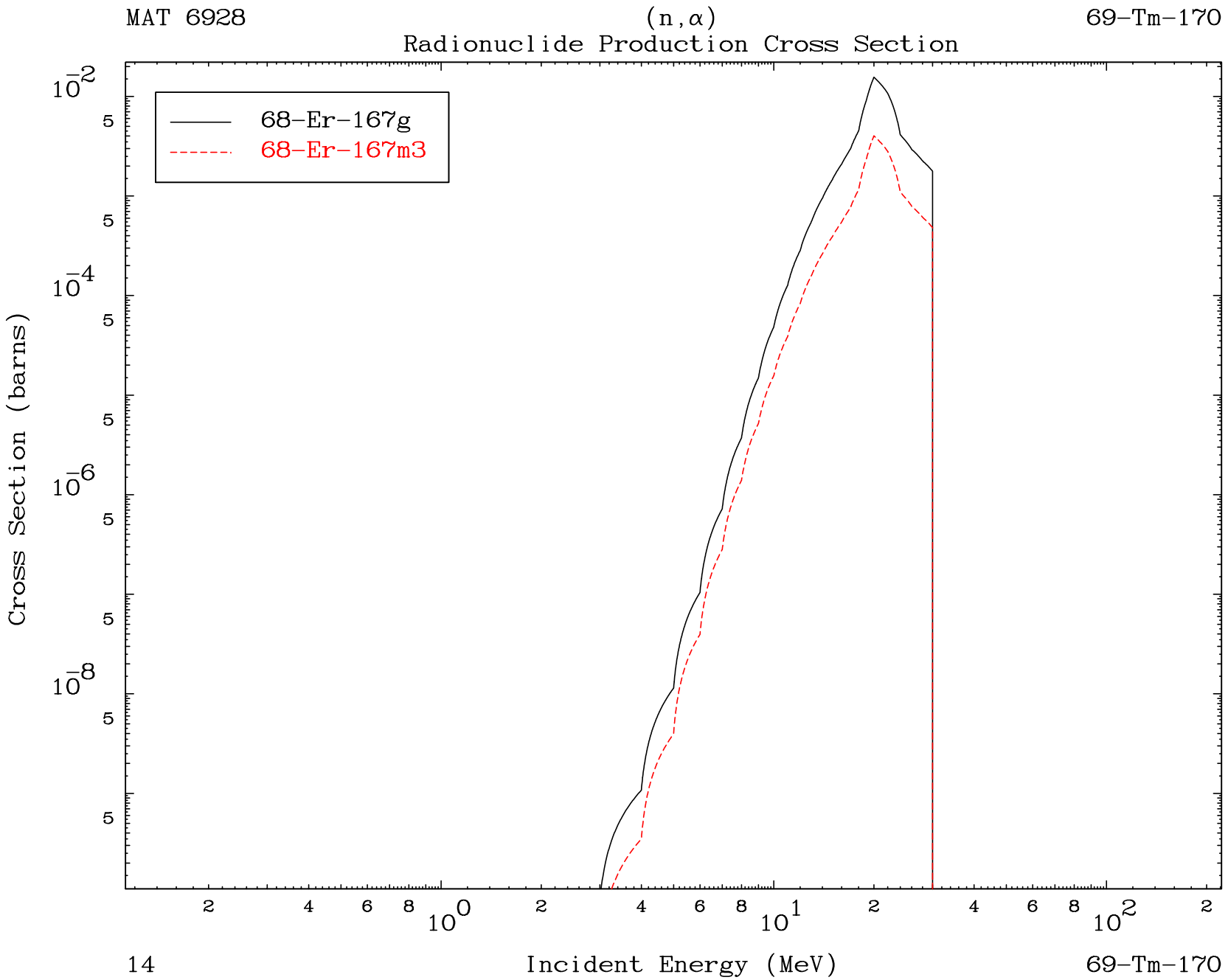

MAT 6928
(p,t) Levels
69-Tm-170
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
69-Tm-170

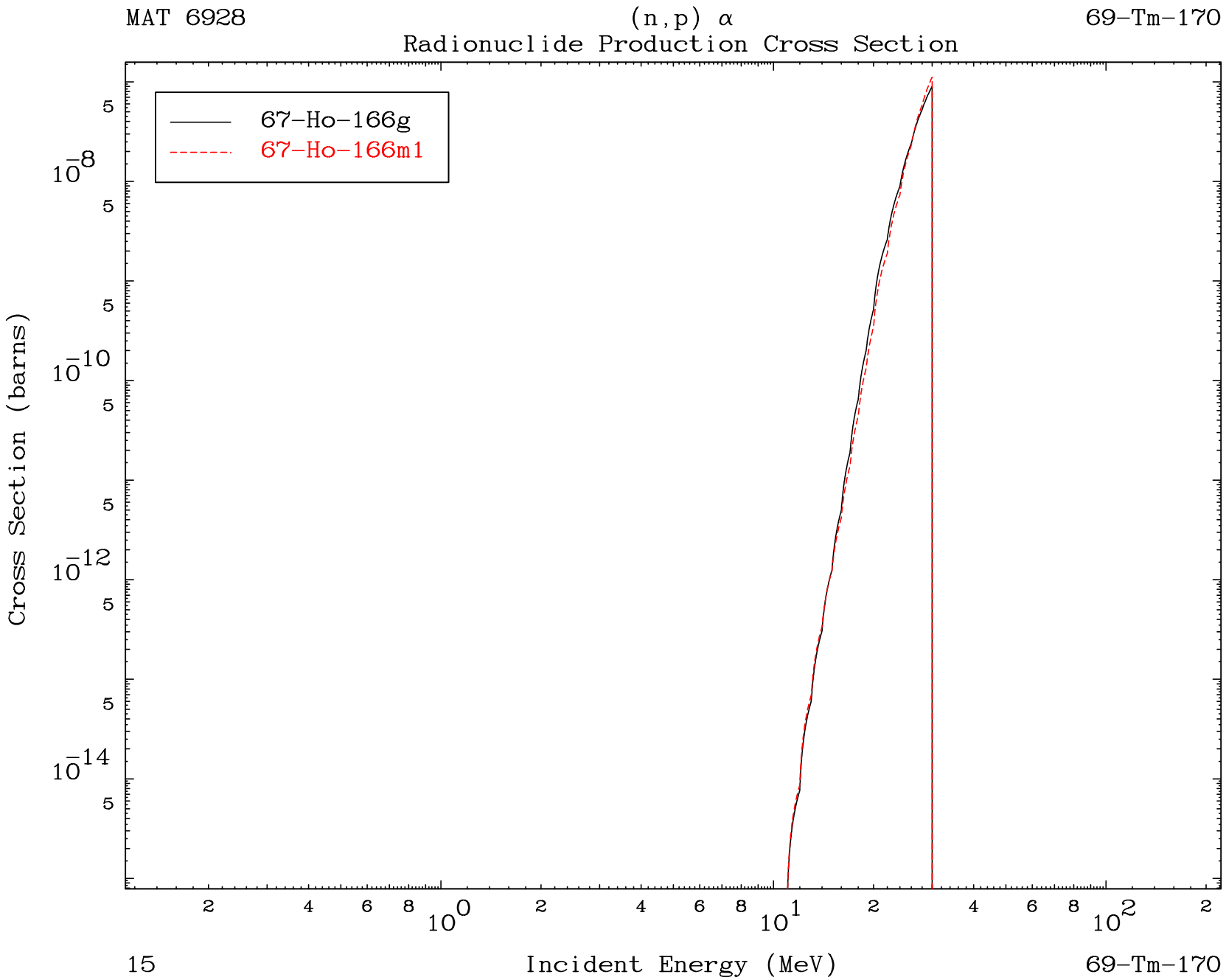

MAT 6928
(p,He3) Levels
69-Tm-170
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
69-Tm-170

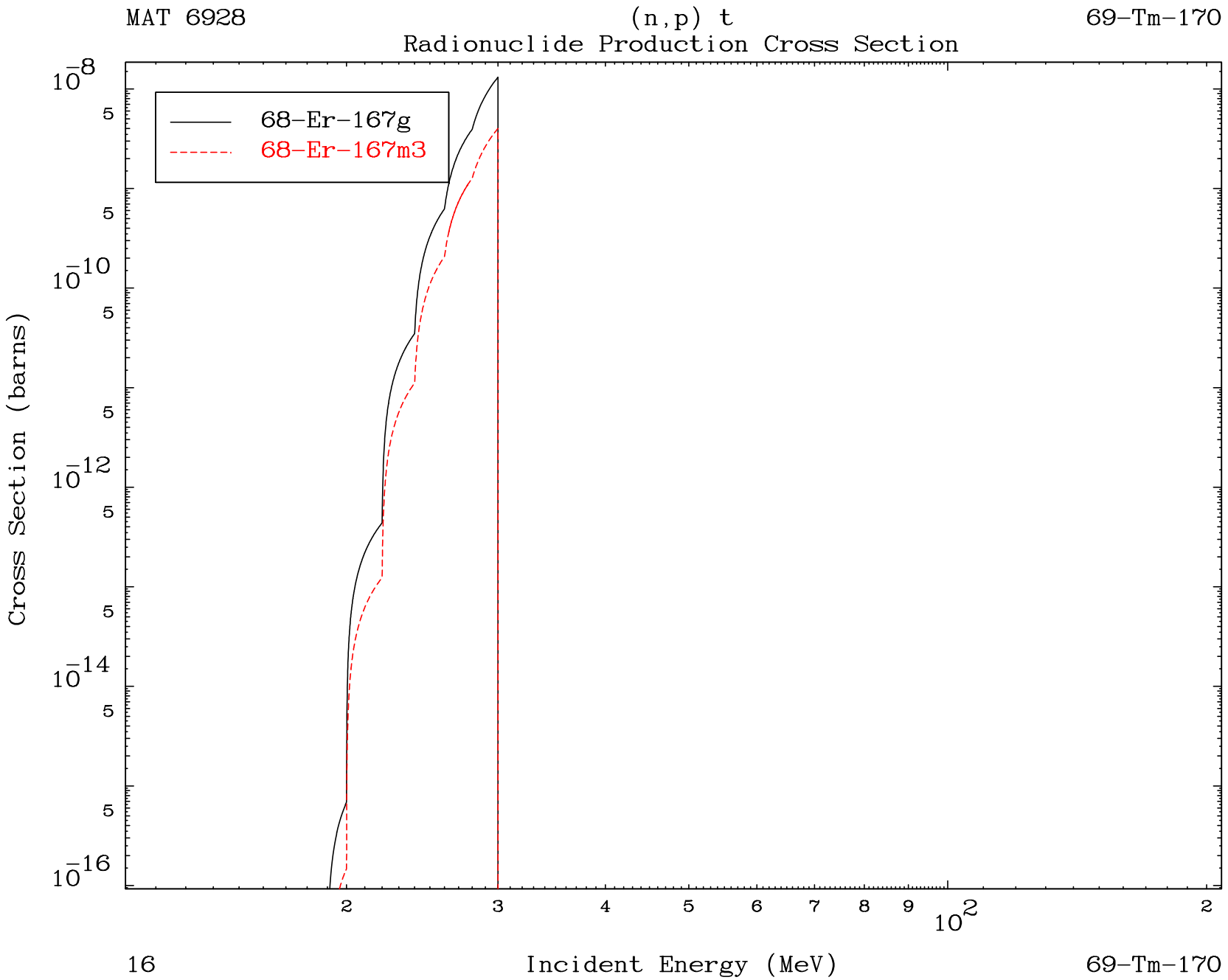

MAT 6928
(p,α) Levels
69-Tm-170
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
69-Tm-170


MAT 6928
(n,2n)
69-Tm-170
Radionuclide Production Cross Section
70-Yb-169g
70-Yb-169m1
Cross Section (barns)
Incident Energy (MeV)
12
69-Tm-170


MAT 6928
(n,n') He-3
69-Tm-170
Radionuclide Production Cross Section
68-Er-167g
68-Er-167m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
69-Tm-170


MAT 6928
(n,α)
69-Tm-170
Radionuclide Production Cross Section
68-Er-167g
68-Er-167m3
Cross Section (barns)
Incident Energy (MeV)
14
69-Tm-170


MAT 6928
(n,p) α
69-Tm-170
Radionuclide Production Cross Section
67-Ho-166g
67-Ho-166m1
Cross Section (barns)
Incident Energy (MeV)
15
69-Tm-170


MAT 6928
(n,p) t
69-Tm-170
Radionuclide Production Cross Section
68-Er-167g
68-Er-167m3
Cross Section (barns)
Incident Energy (MeV)
16
69-Tm-170