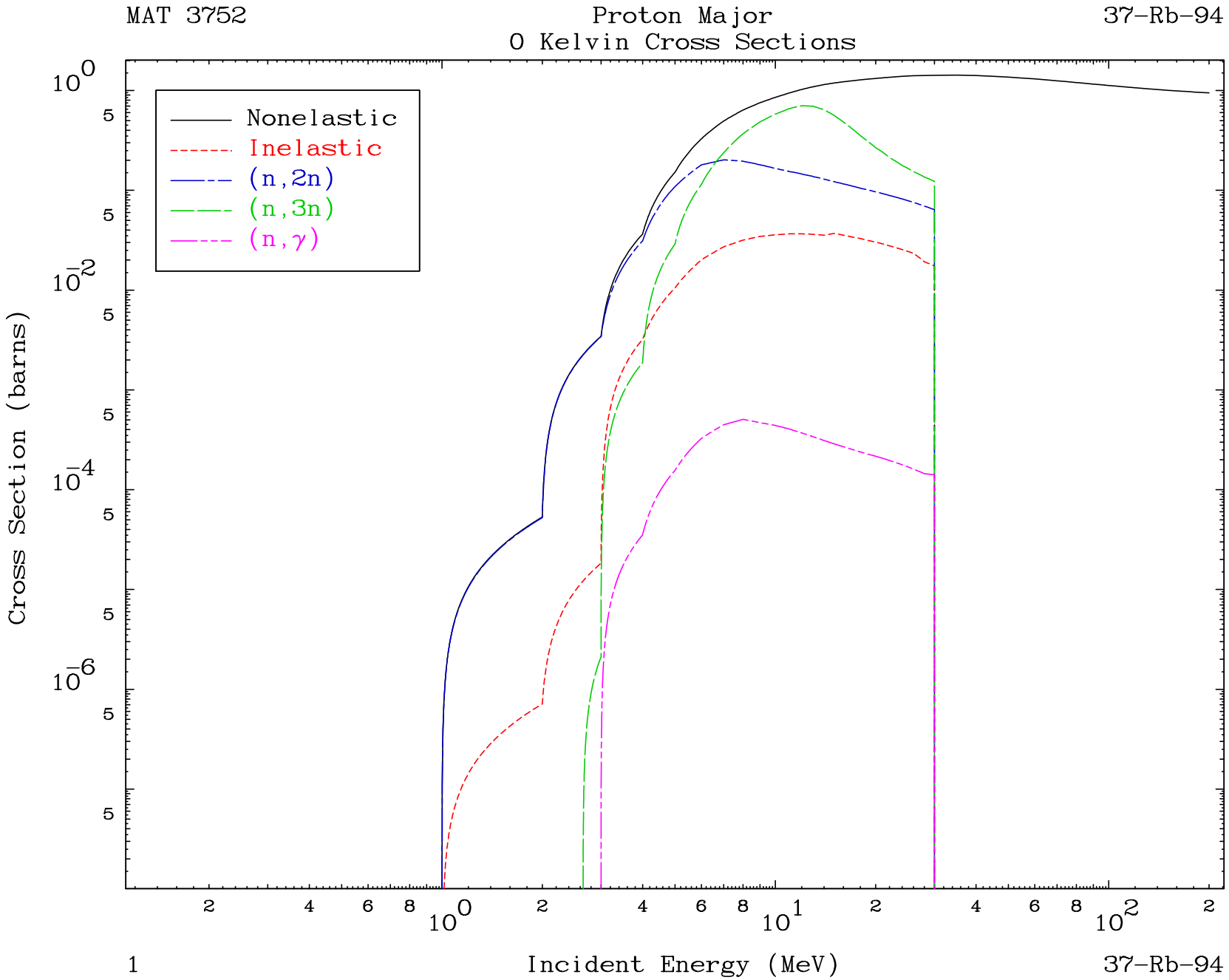
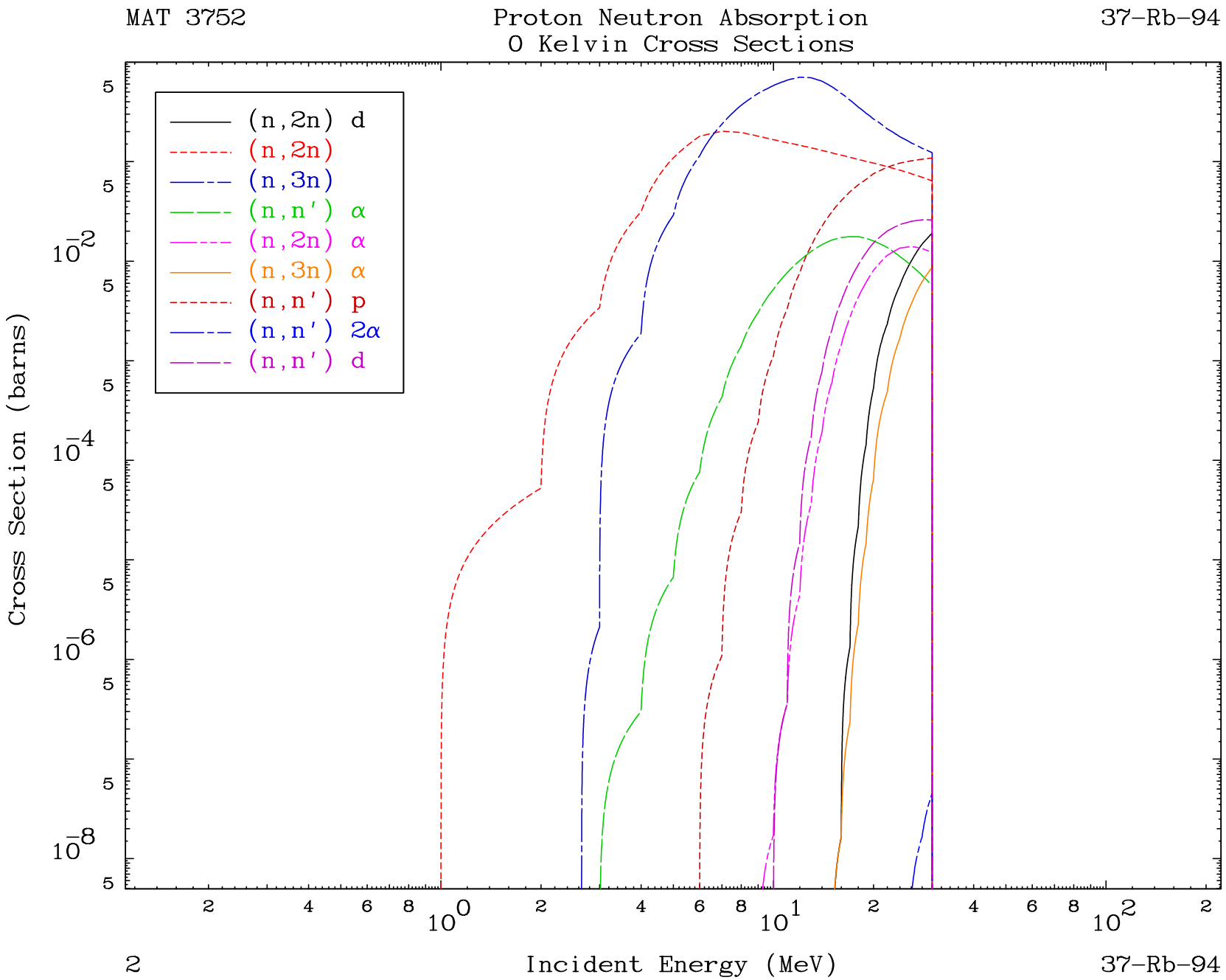
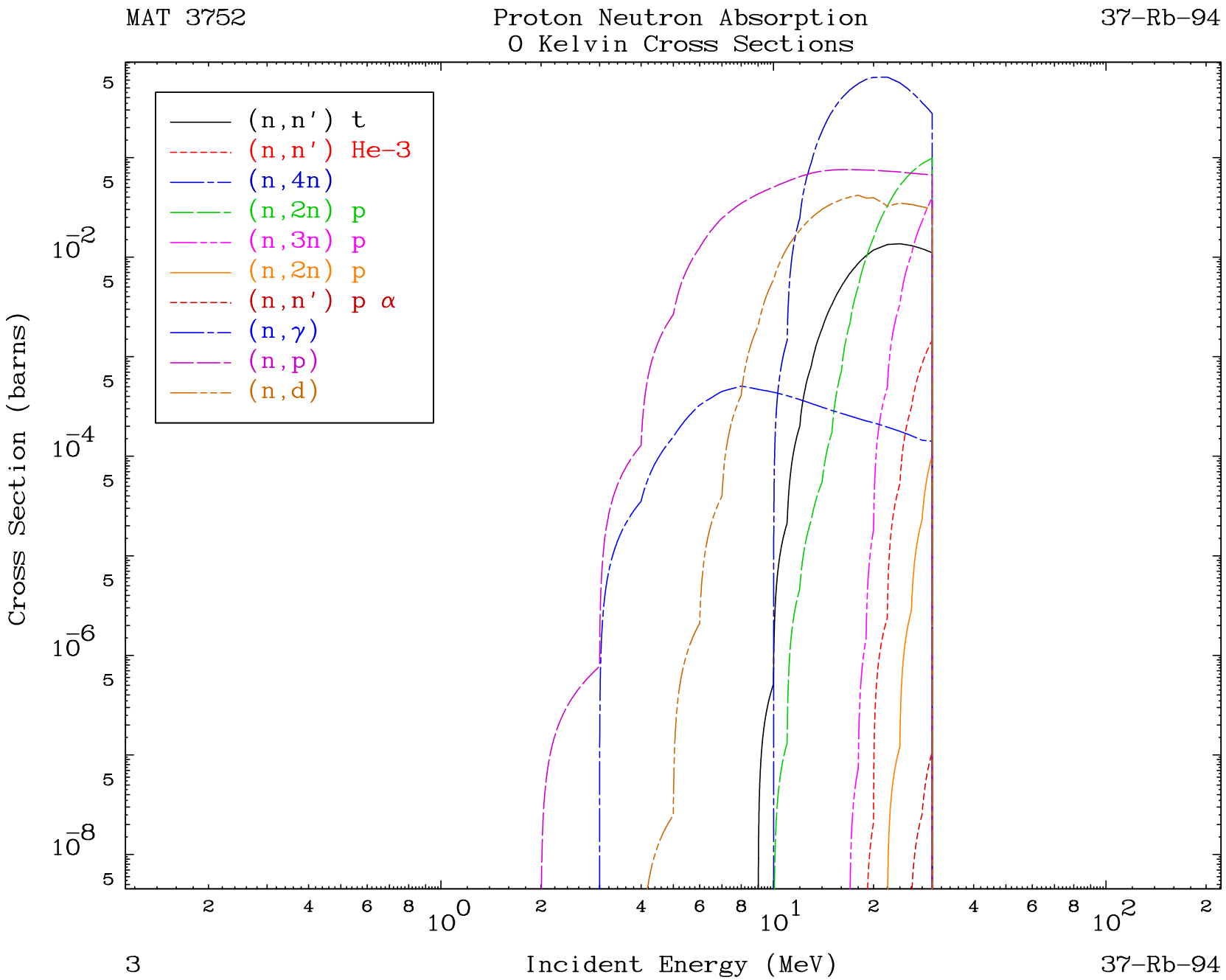
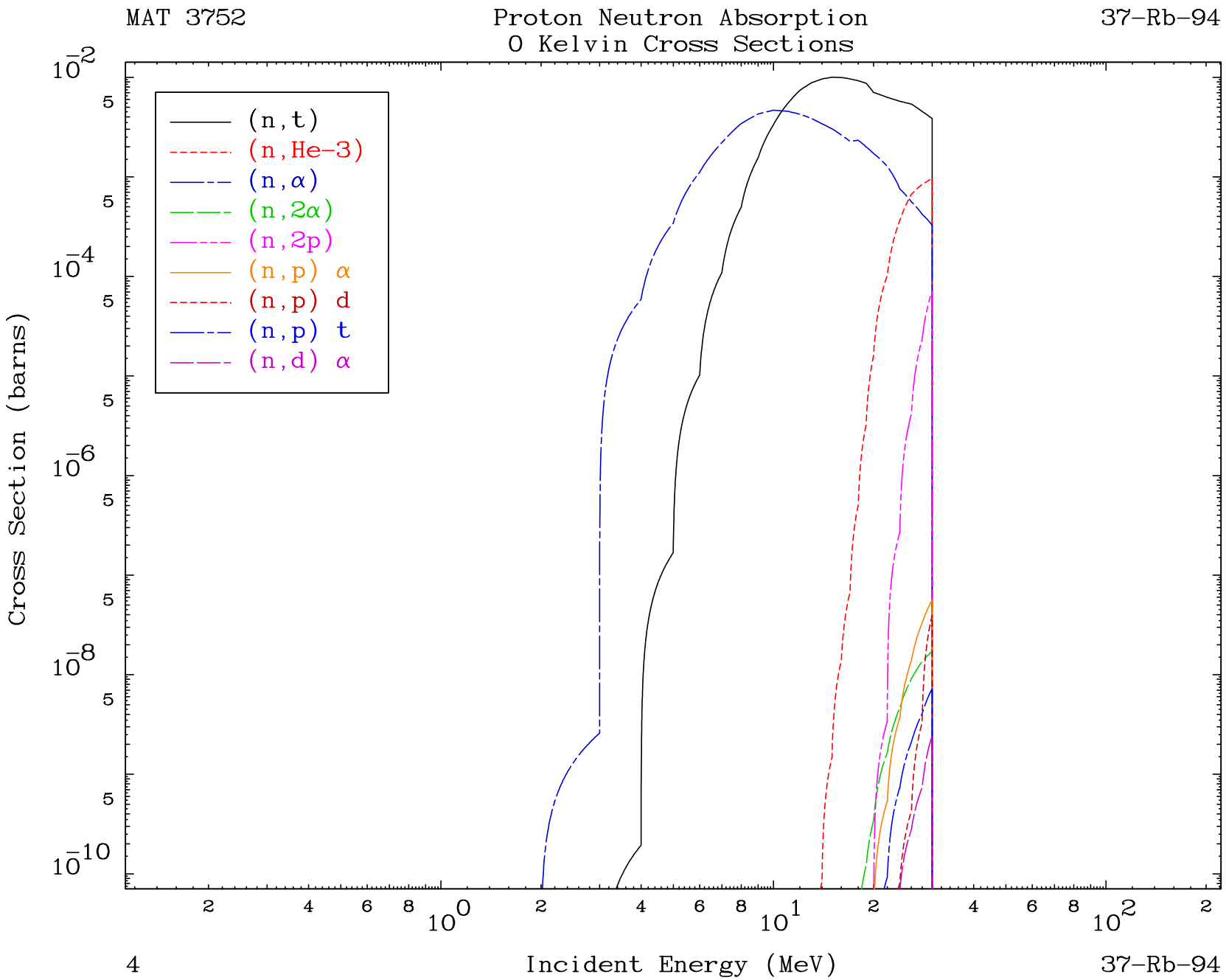
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

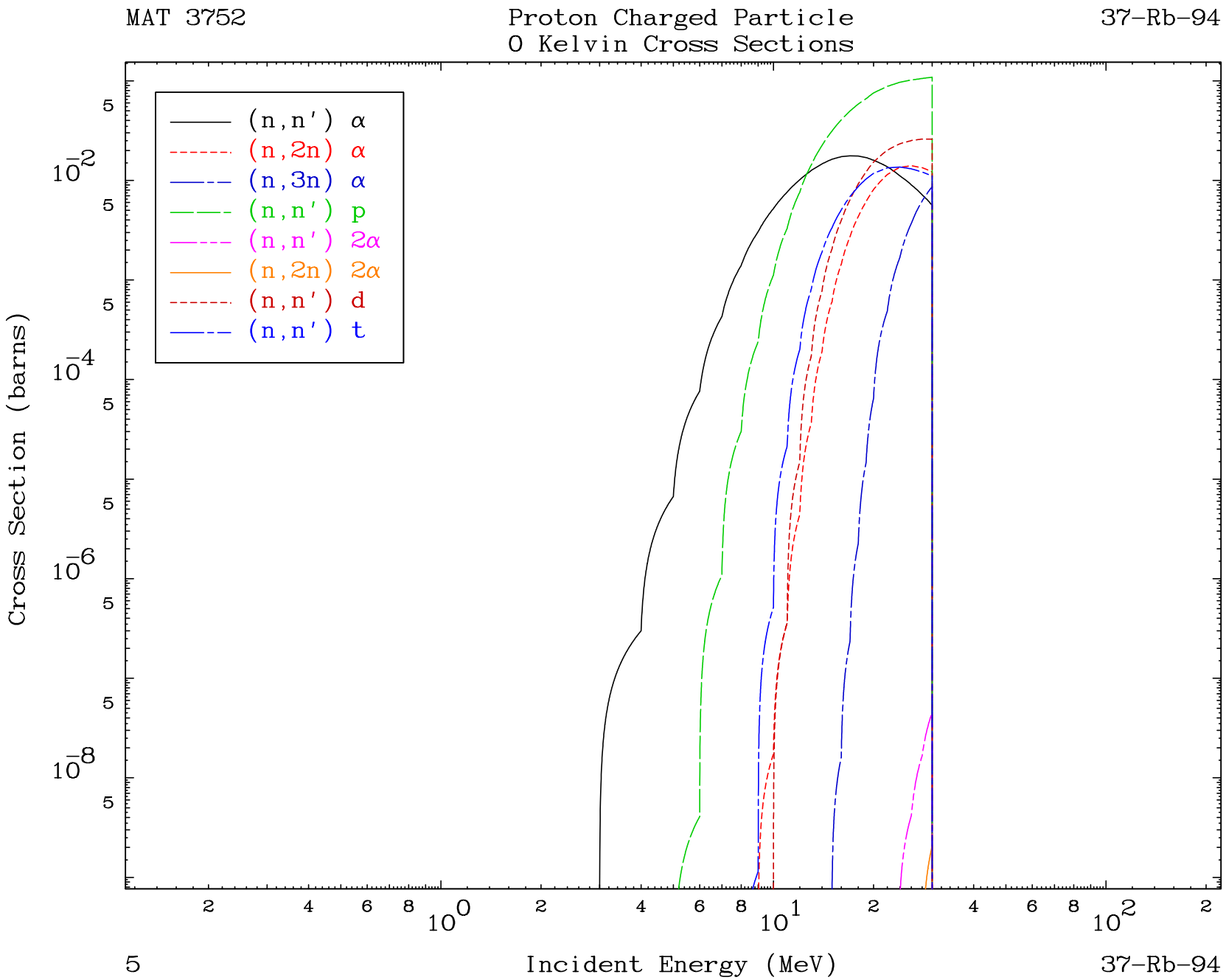
Press Mouse Button to Start

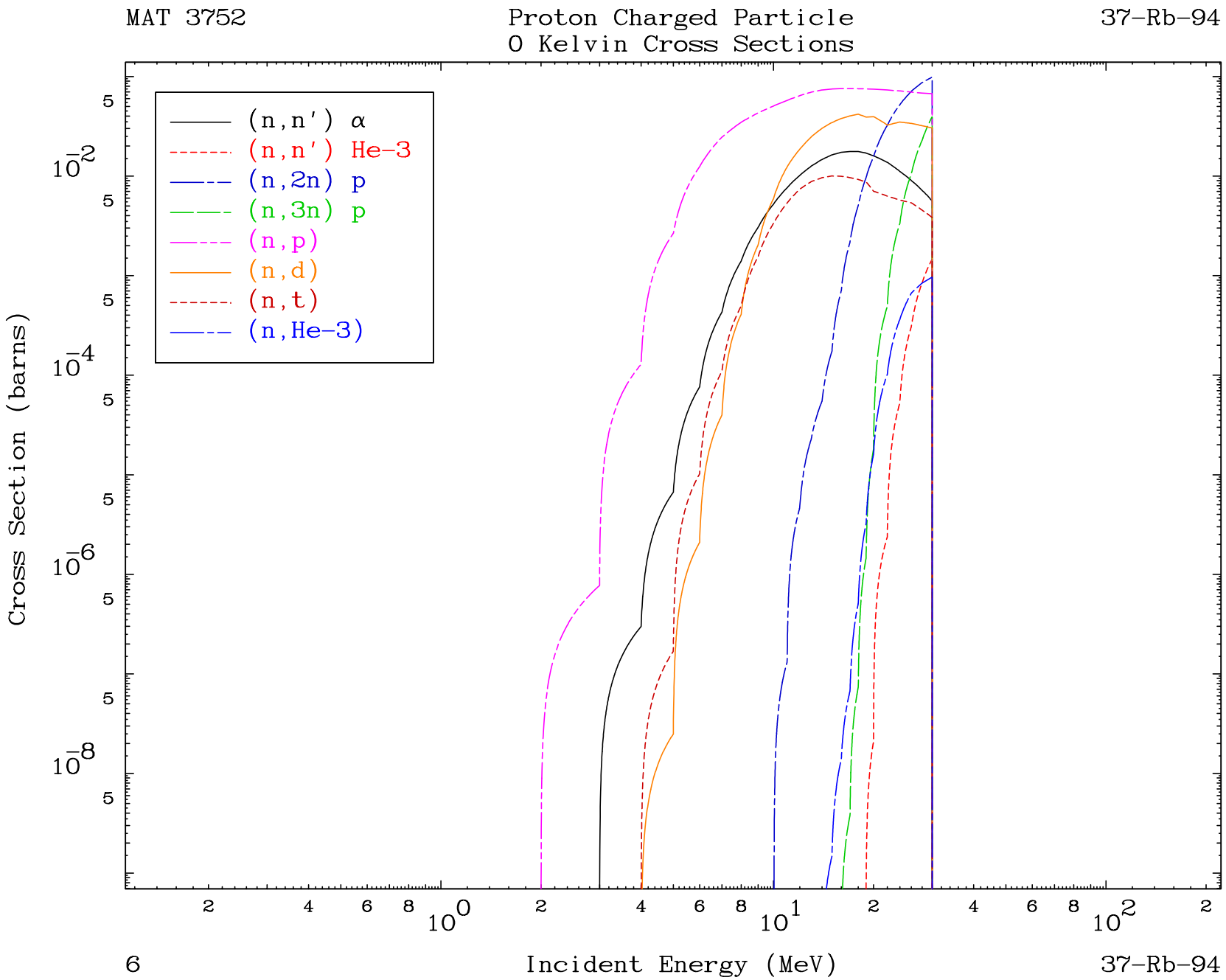

MAT 3752
Proton Major
37-Rb-94
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-94
1

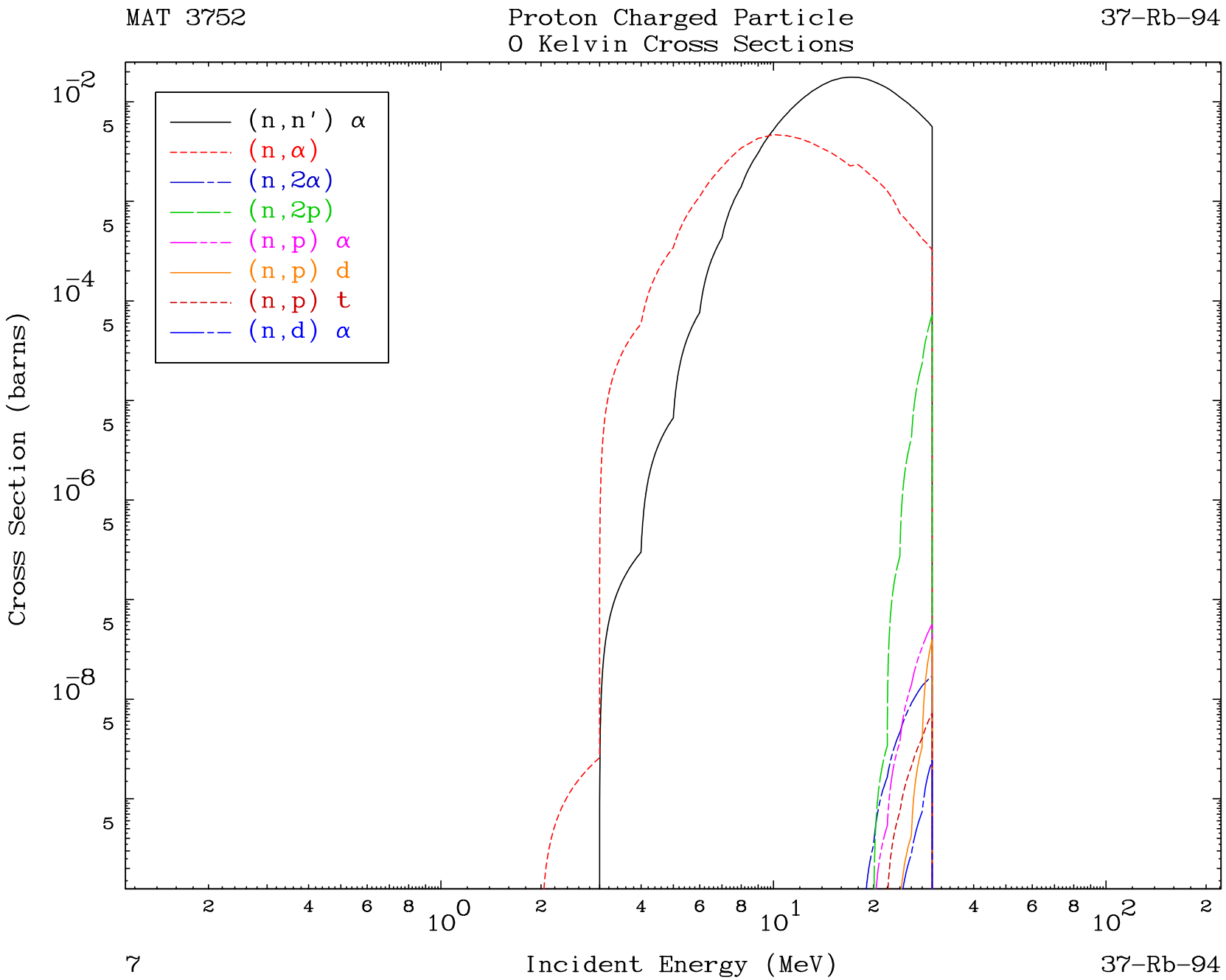

MAT 3752
Proton Neutron Absorption
0 Kelvin Cross Sections
37-Rb-94
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
2
37-Rb-94

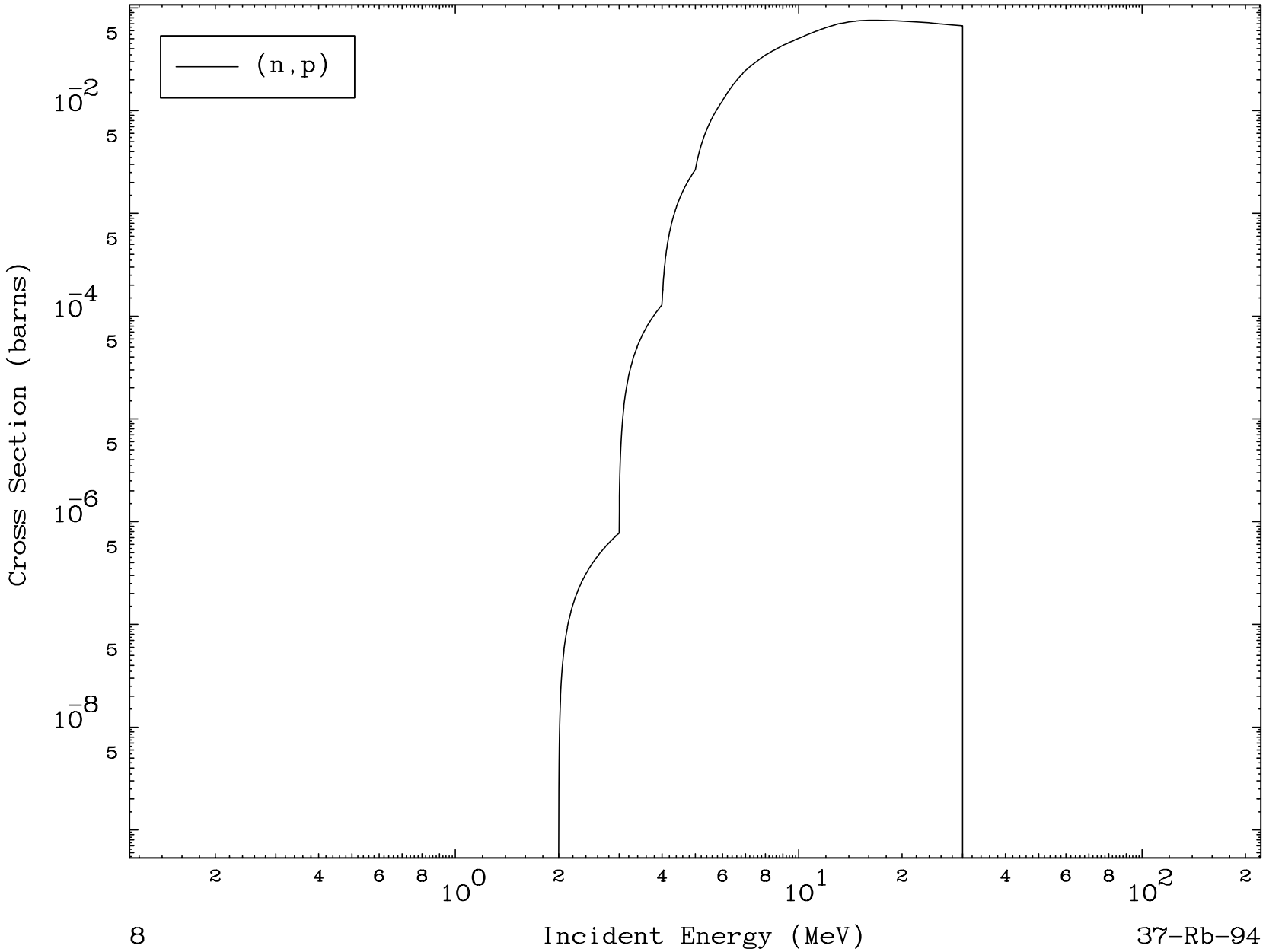

MAT 3752
Proton Neutron Absorption
0 Kelvin Cross Sections
37-Rb-94
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
37-Rb-94

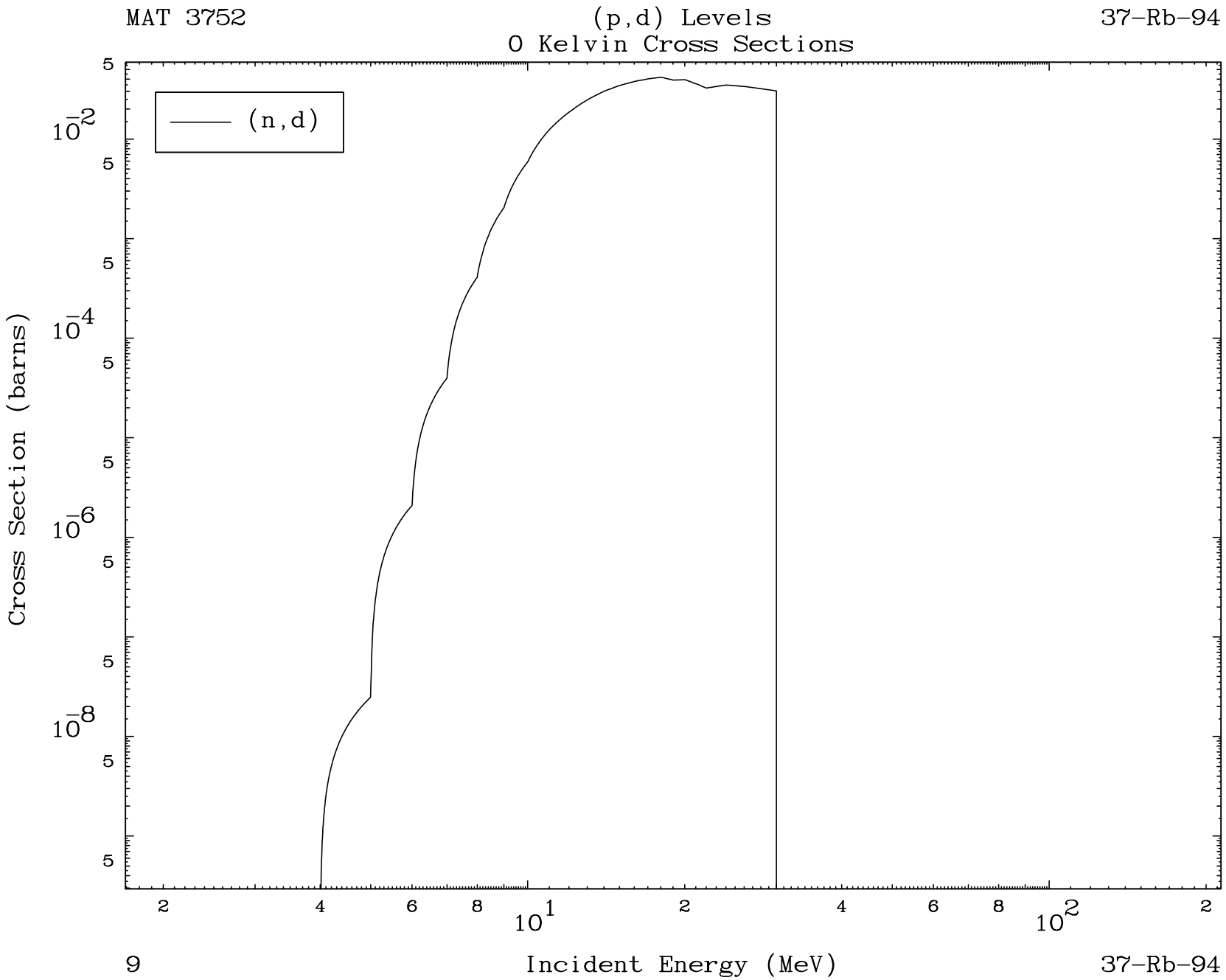

MAT 3752
Proton Neutron Absorption
0 Kelvin Cross Sections
37-Rb-94
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
37-Rb-94

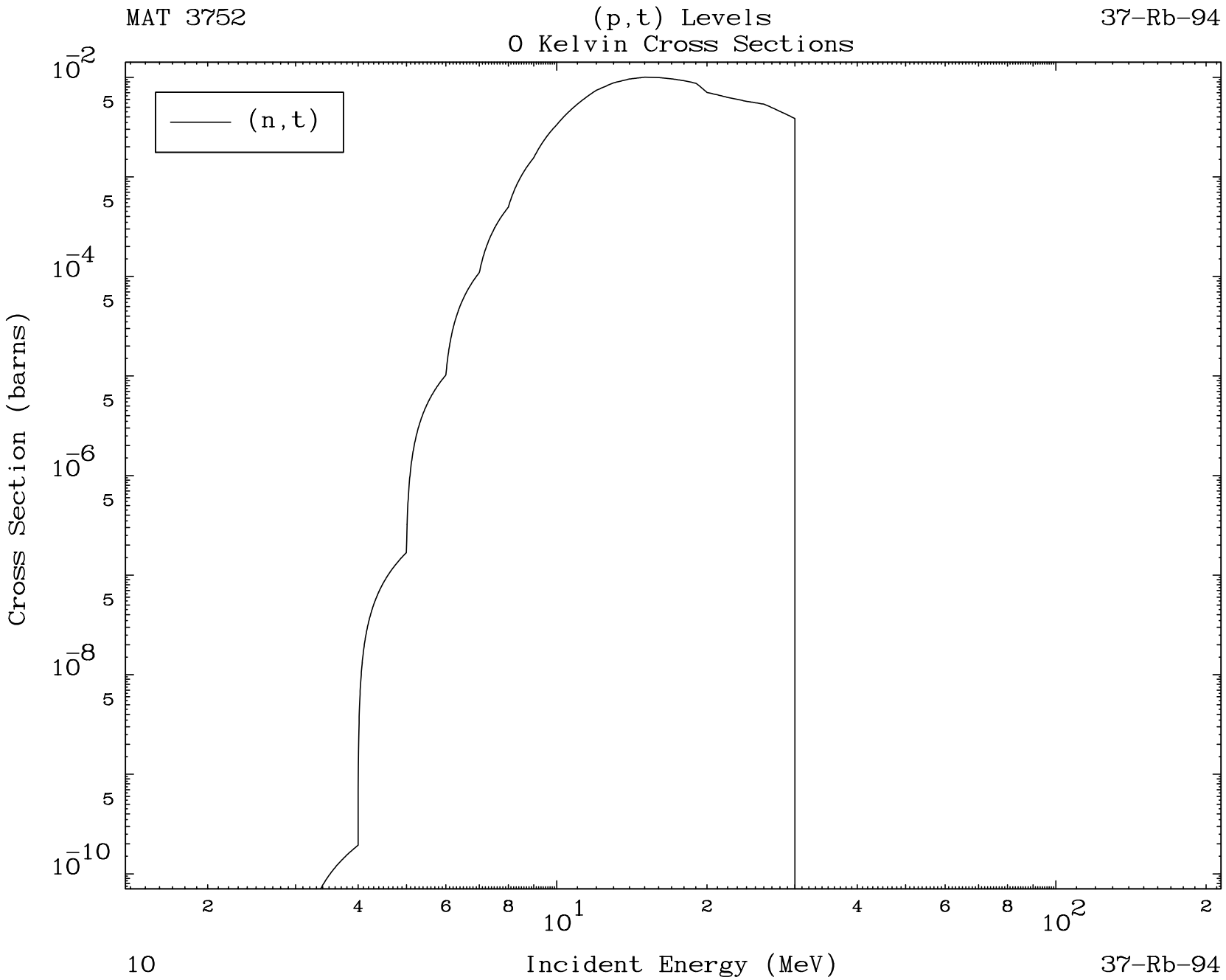

MAT 3752
Proton Charged Particle
0 Kelvin Cross Sections
37-Rb-94
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
5
37-Rb-94

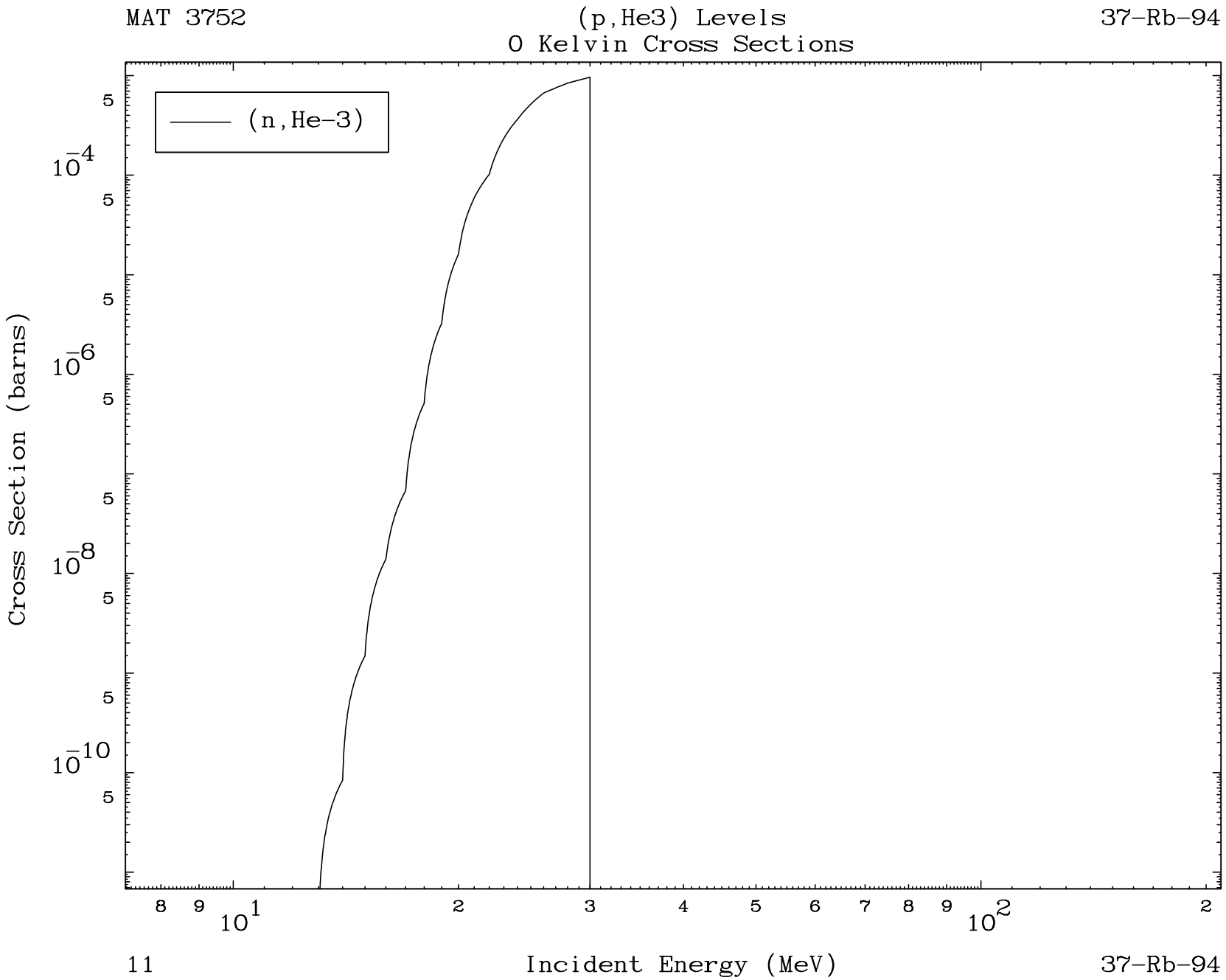

MAT 3752
Proton Charged Particle
0 Kelvin Cross Sections
37-Rb-94
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
37-Rb-94

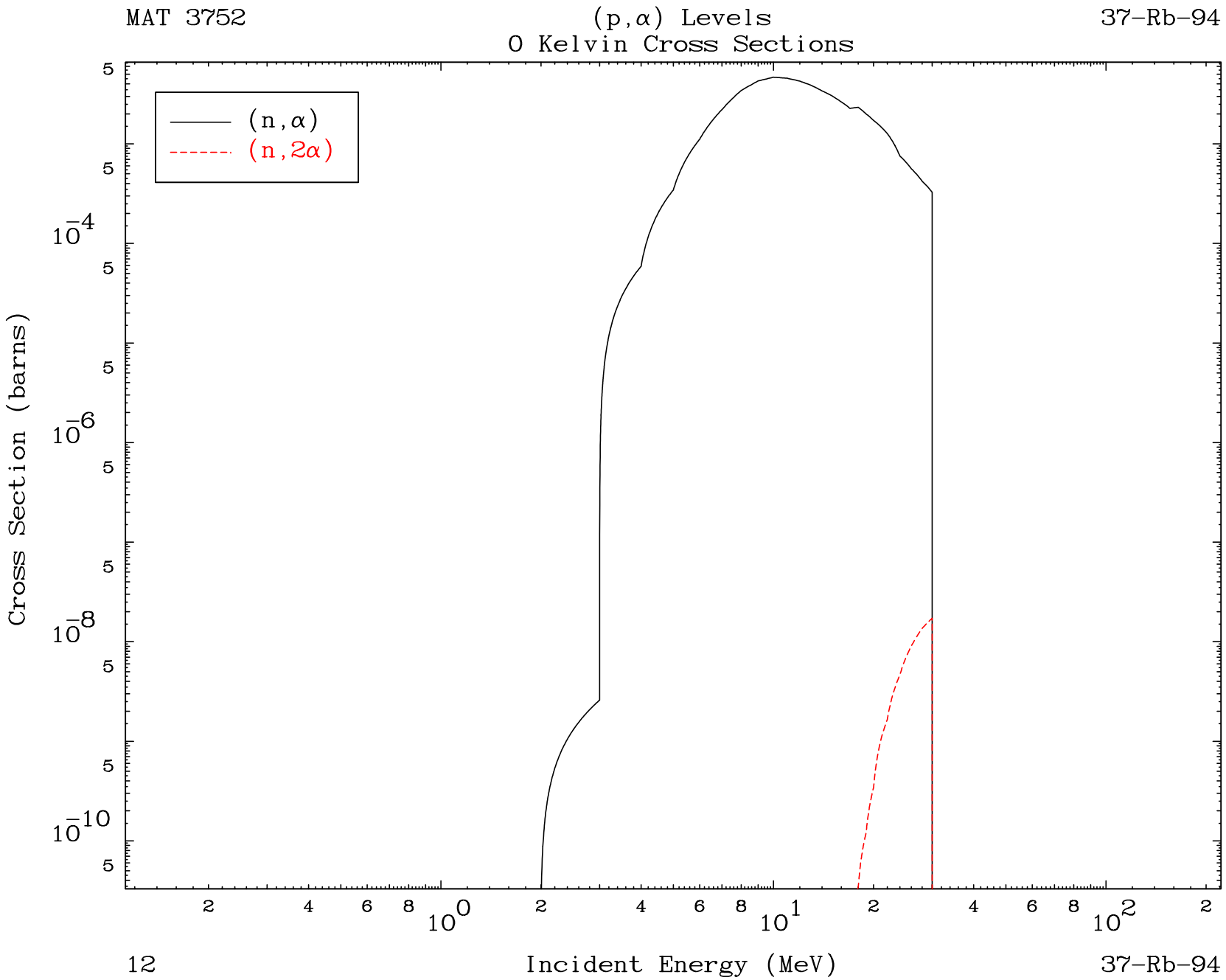

MAT 3752
Proton Charged Particle
0 Kelvin Cross Sections
37-Rb-94
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
37-Rb-94


0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)


MAT 3752
(p,d) Levels
37-Rb-94
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
37-Rb-94


MAT 3752
(p,t) Levels
37-Rb-94
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-94


MAT 3752
(p,He3) Levels
37-Rb-94
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
11
37-Rb-94


MAT 3752
(p,α) Levels
37-Rb-94
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
37-Rb-94