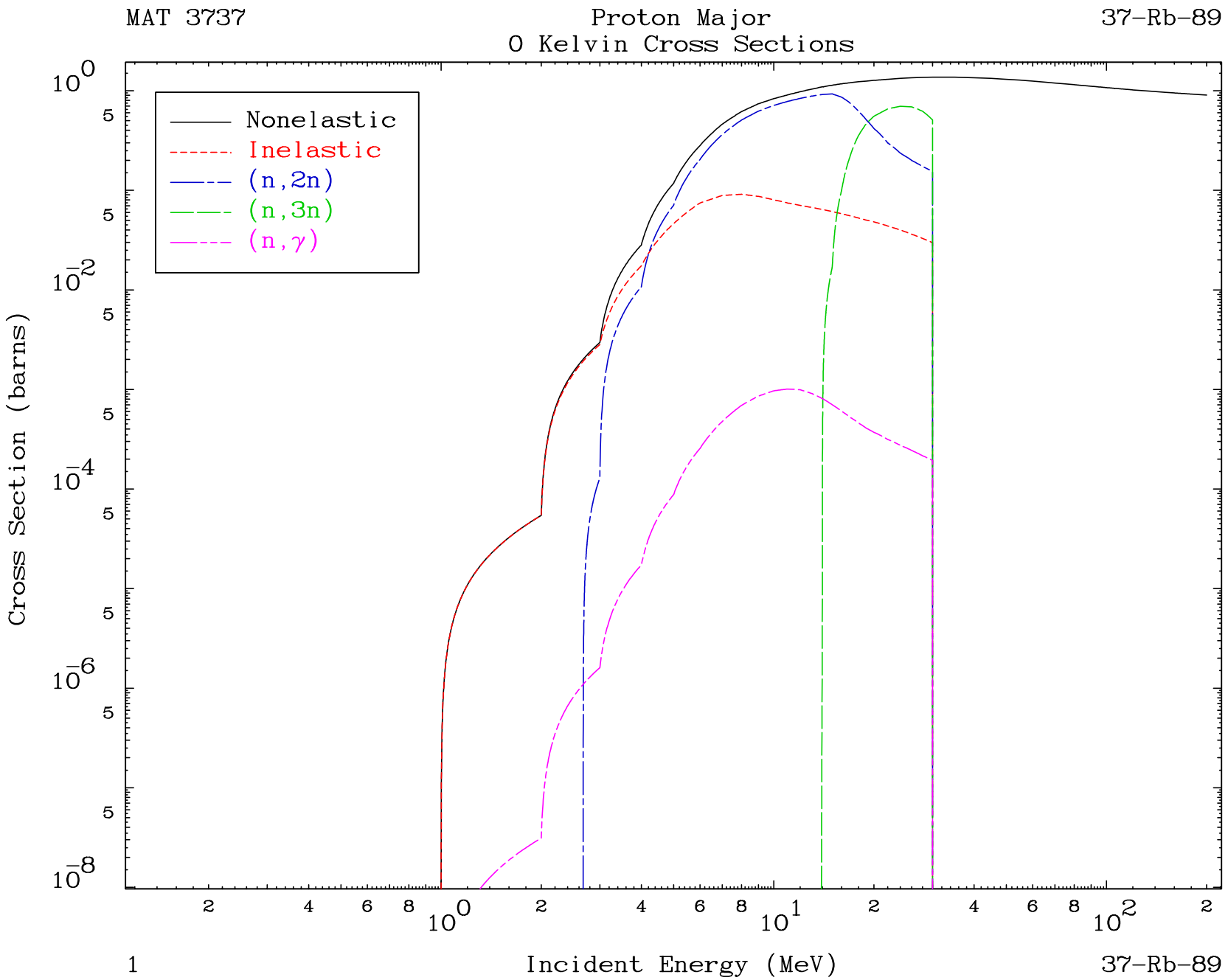
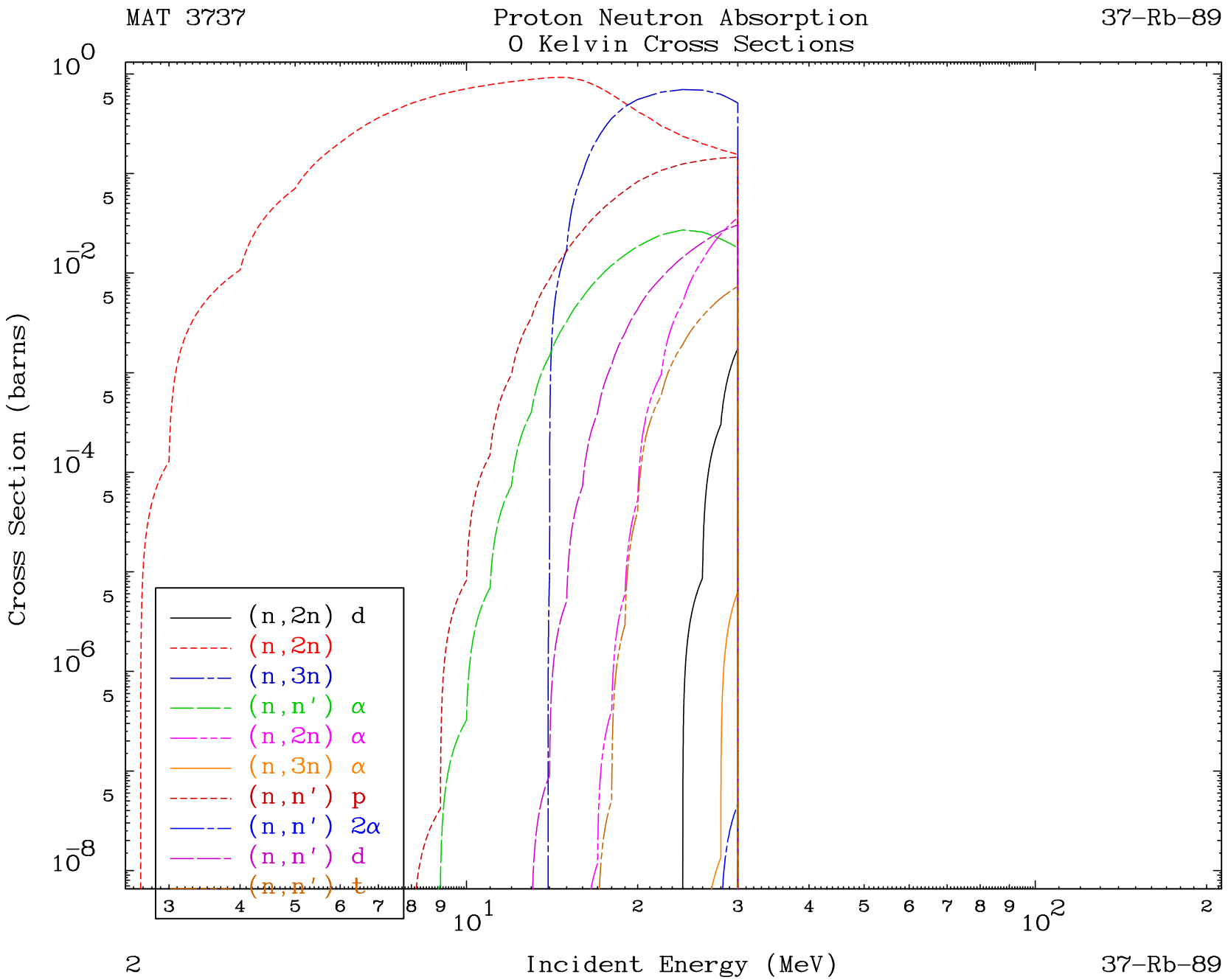
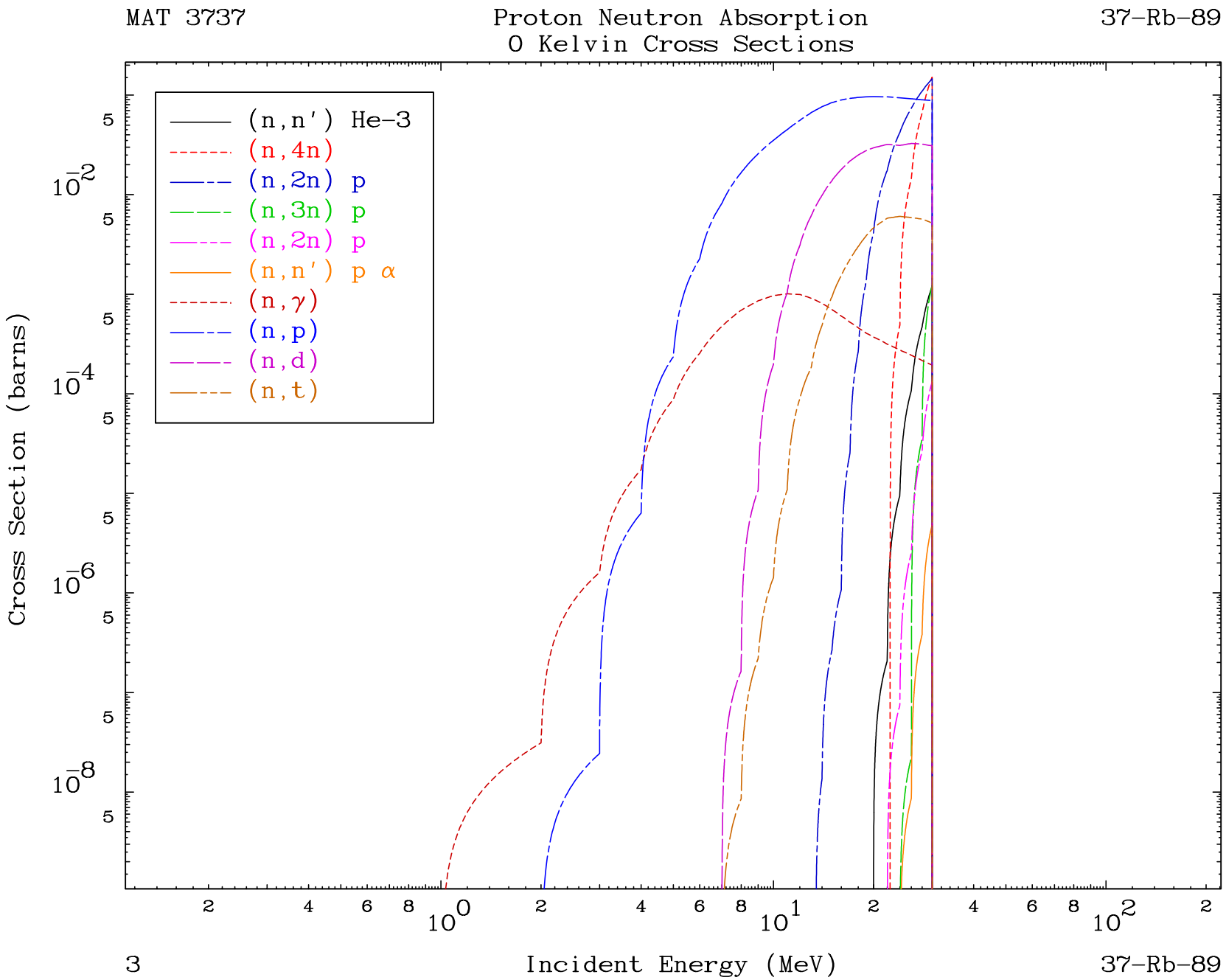
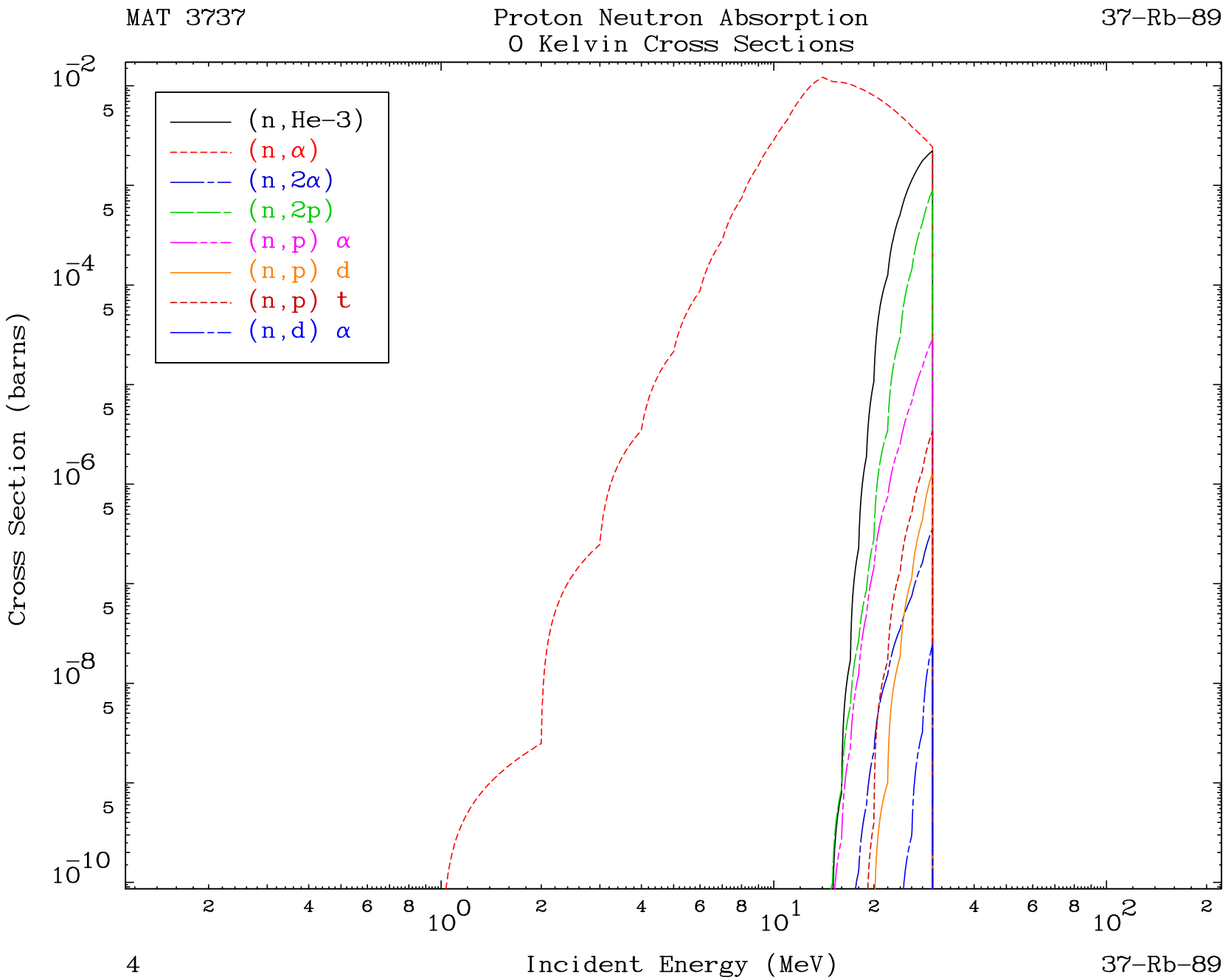
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

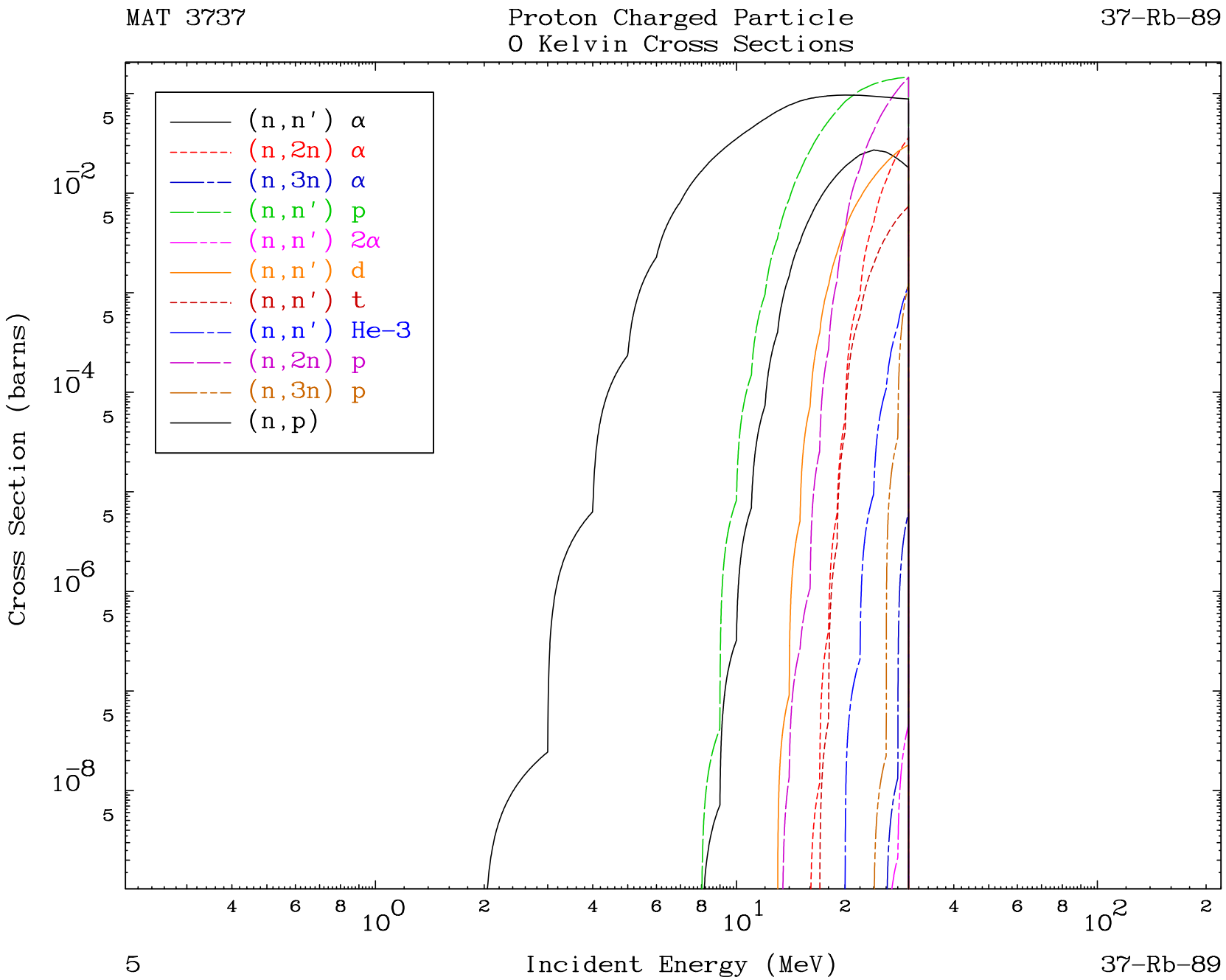
Press Mouse Button to Start

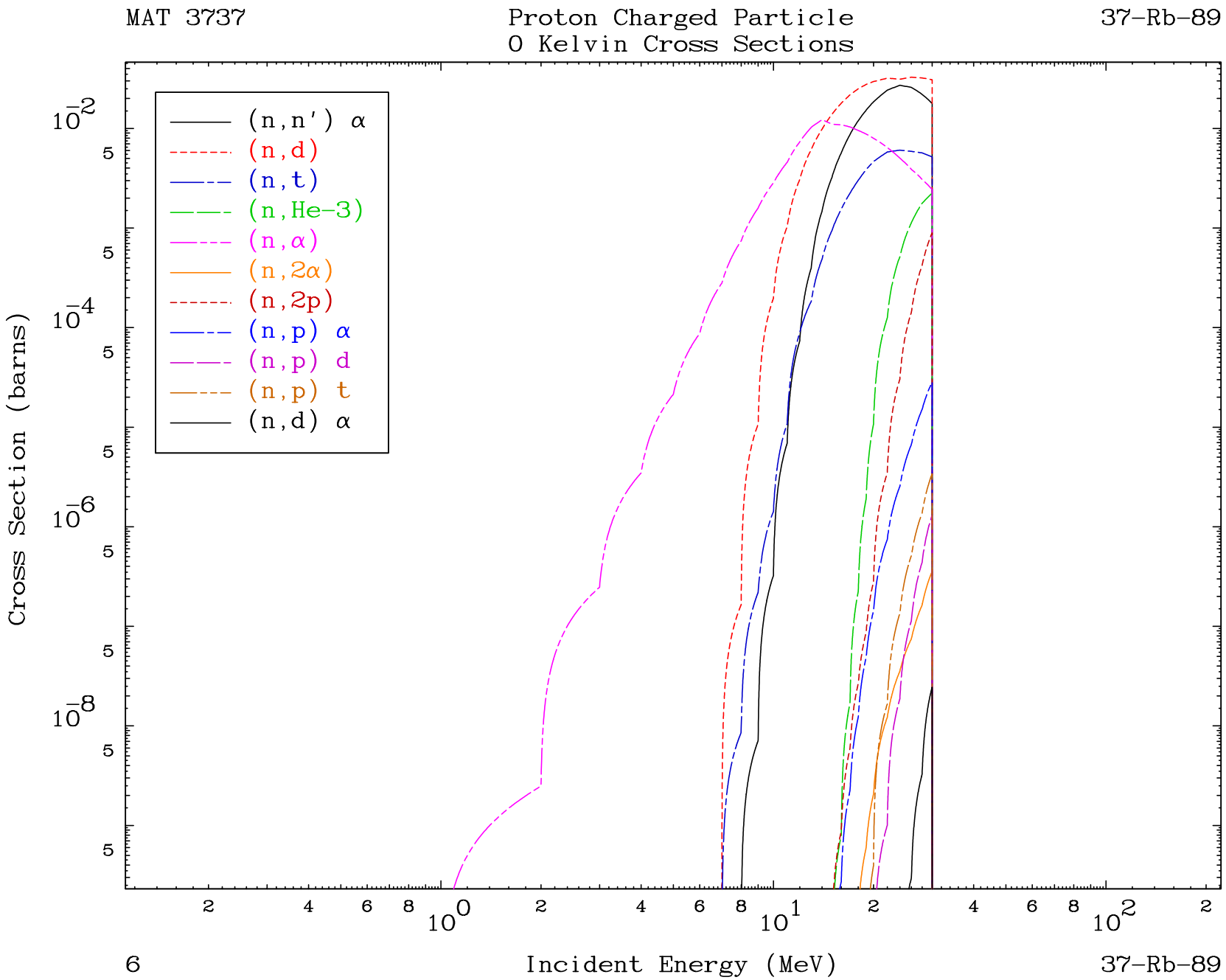

MAT 3737
Proton Major
37-Rb-89
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-89
1

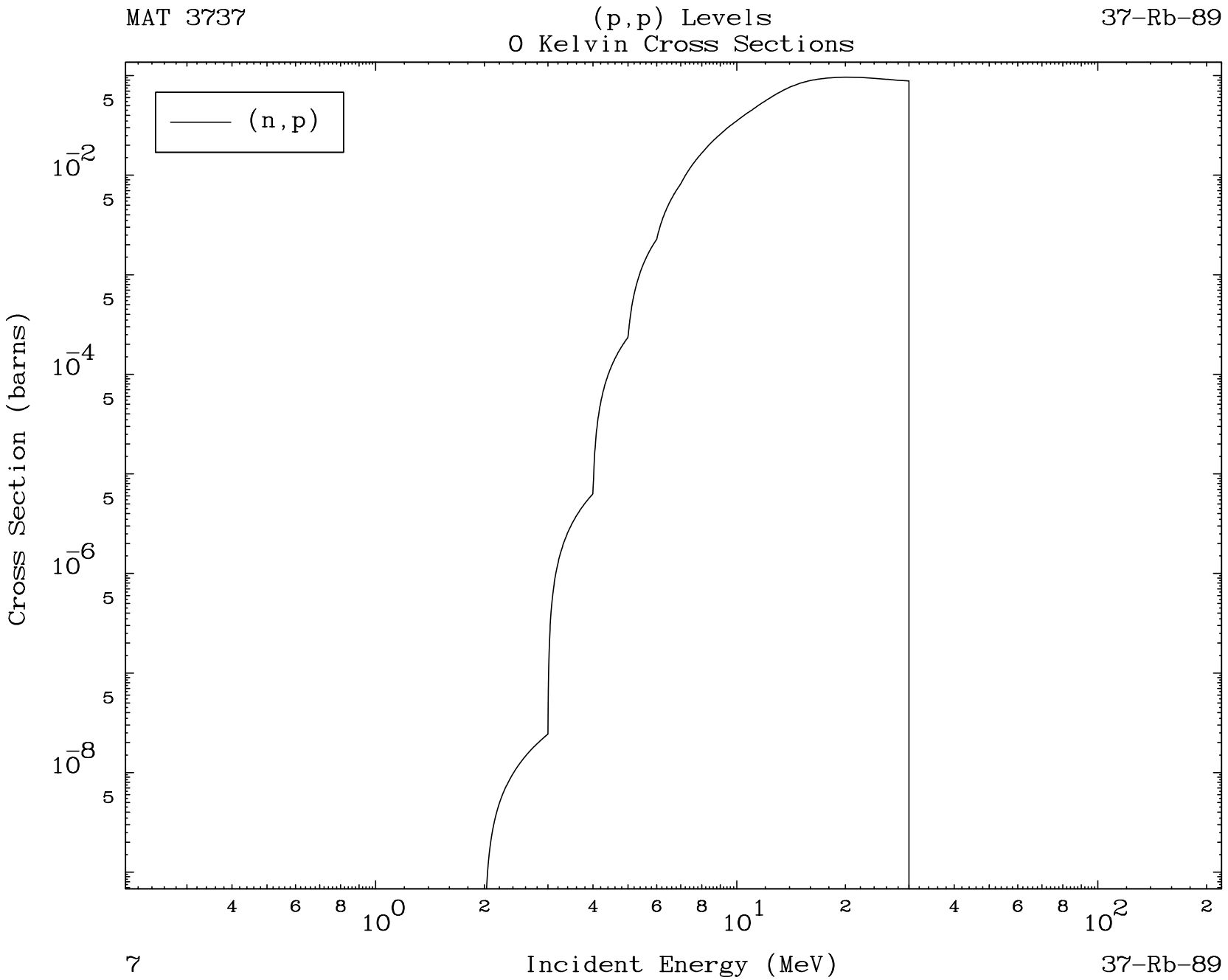

MAT 3737
Proton Neutron Absorption
0 Kelvin Cross Sections
37-Rb-89
Cross Section (barns)
Incident Energy (MeV)
37-Rb-89
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t

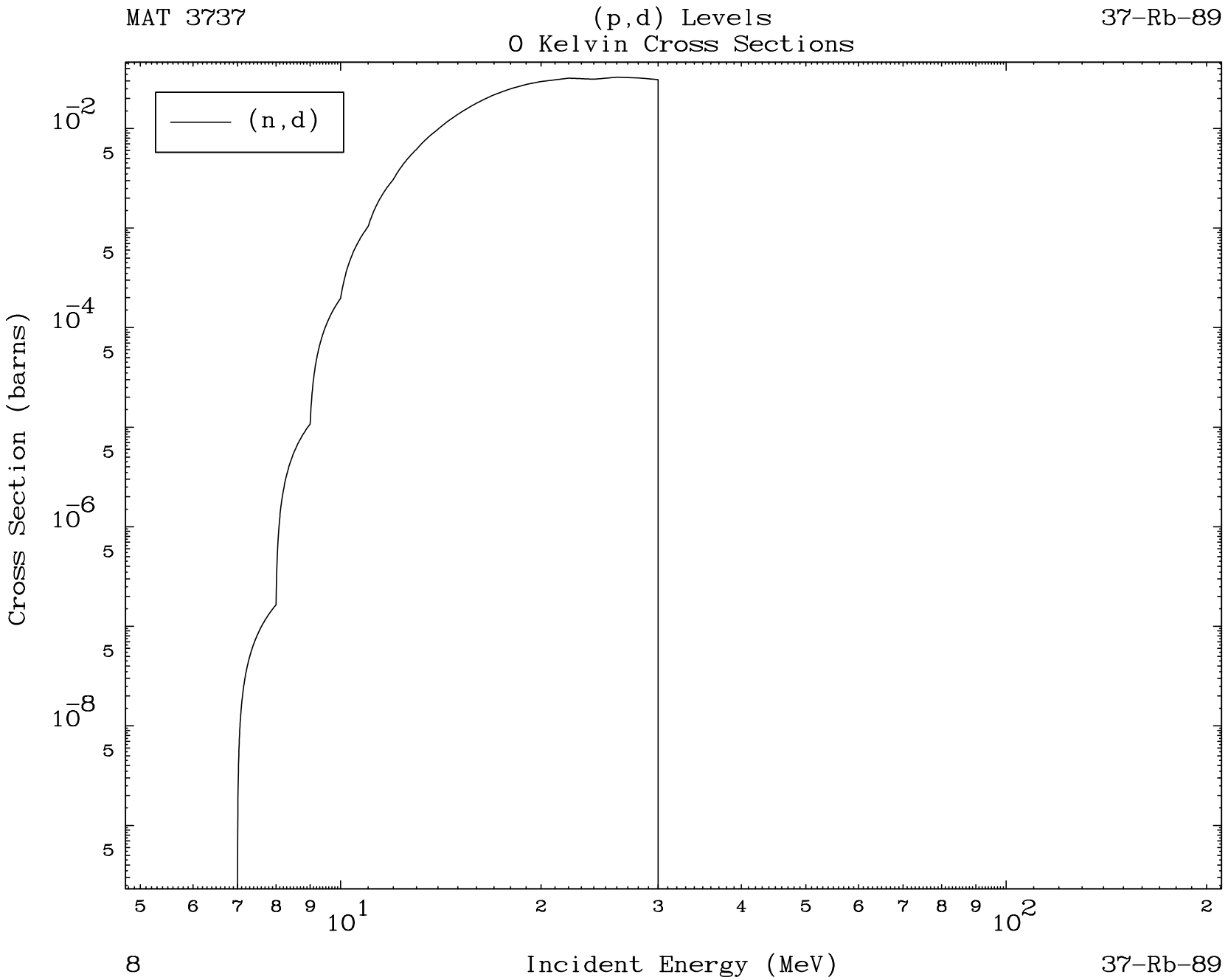

MAT 3737
Proton Neutron Absorption
0 Kelvin Cross Sections
37-Rb-89
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
37-Rb-89

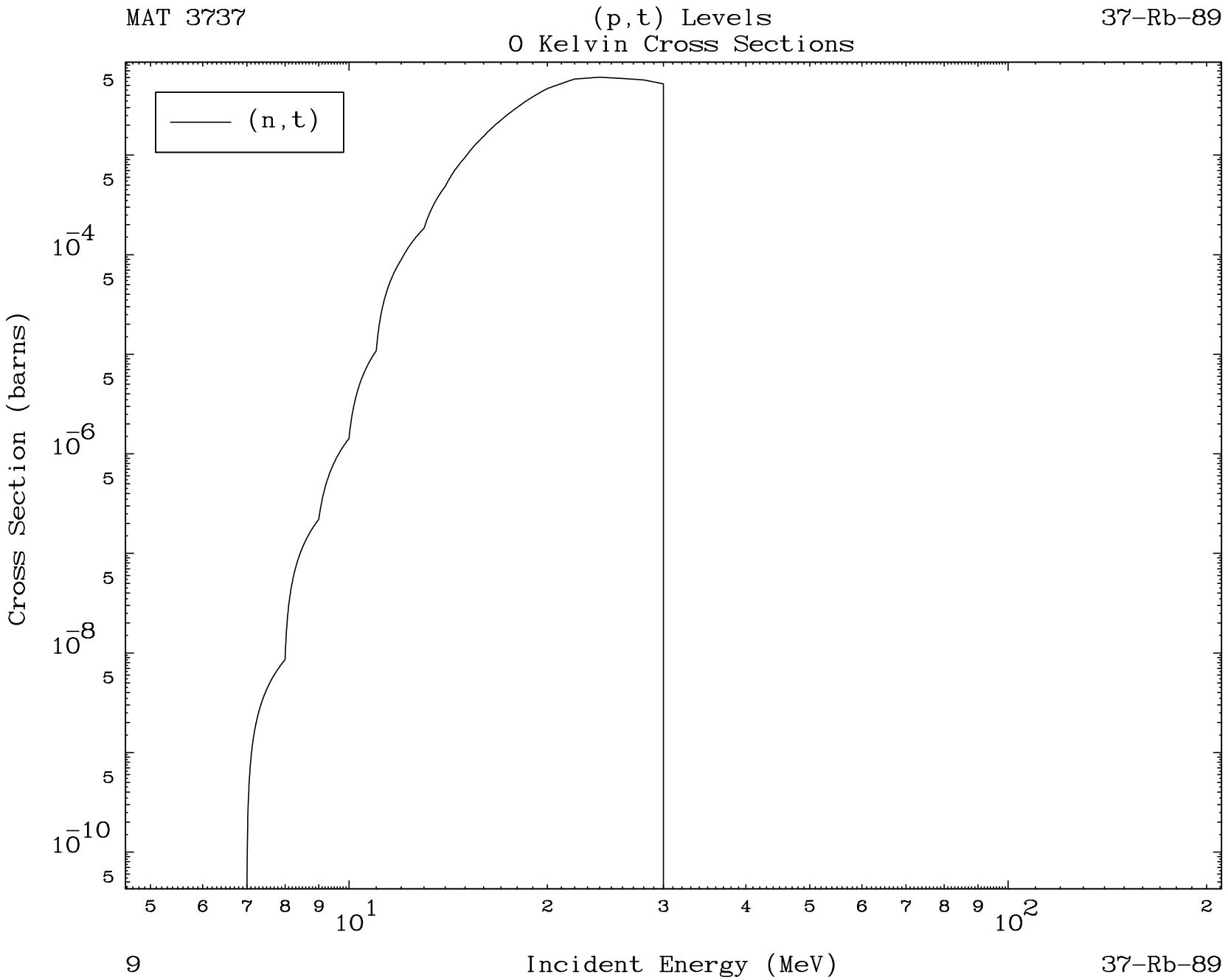

MAT 3737
Proton Neutron Absorption
0 Kelvin Cross Sections
37-Rb-89
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
37-Rb-89

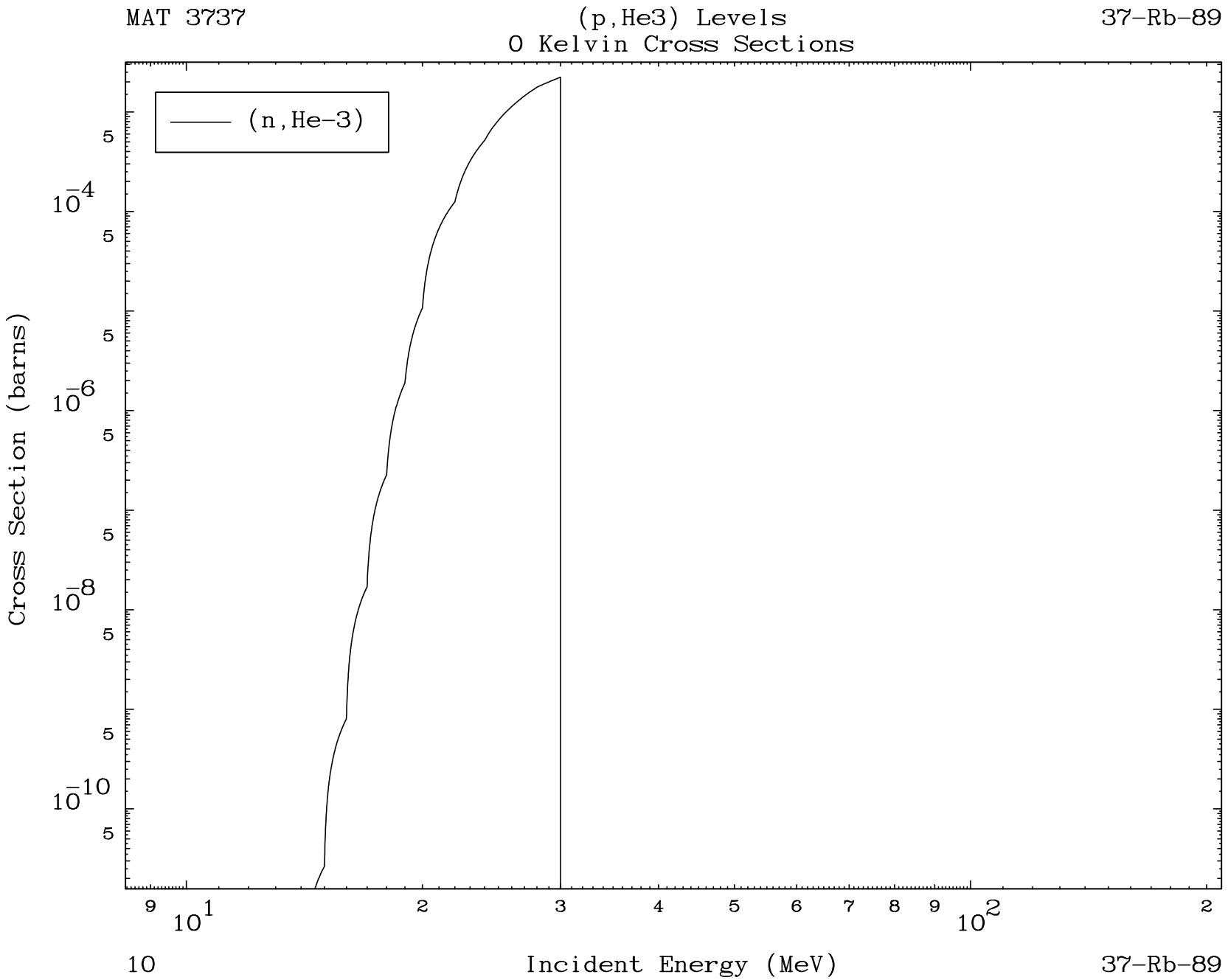

MAT 3737
Proton Charged Particle
0 Kelvin Cross Sections
37-Rb-89
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
37-Rb-89

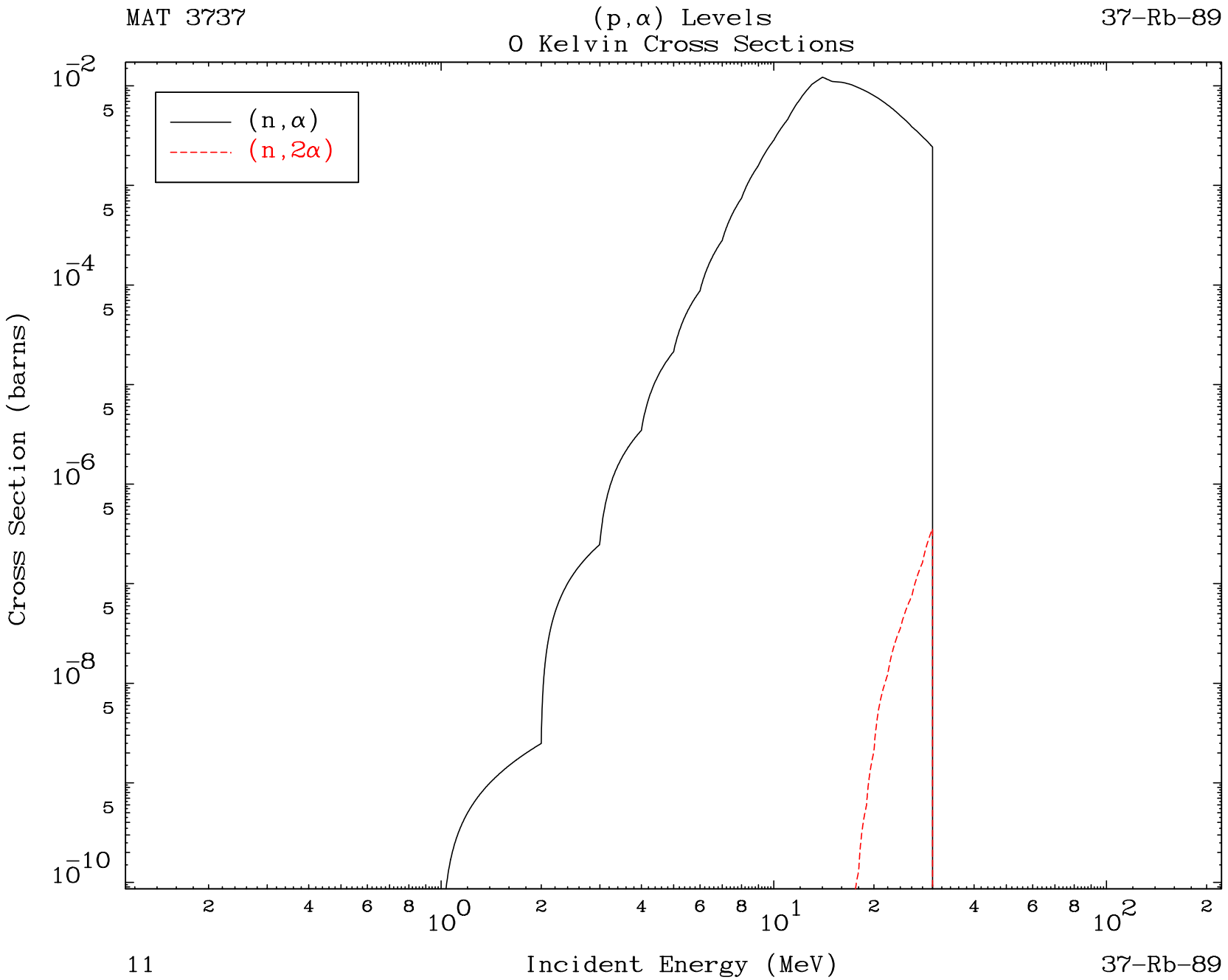

MAT 3737
Proton Charged Particle
0 Kelvin Cross Sections
37-Rb-89
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
37-Rb-89

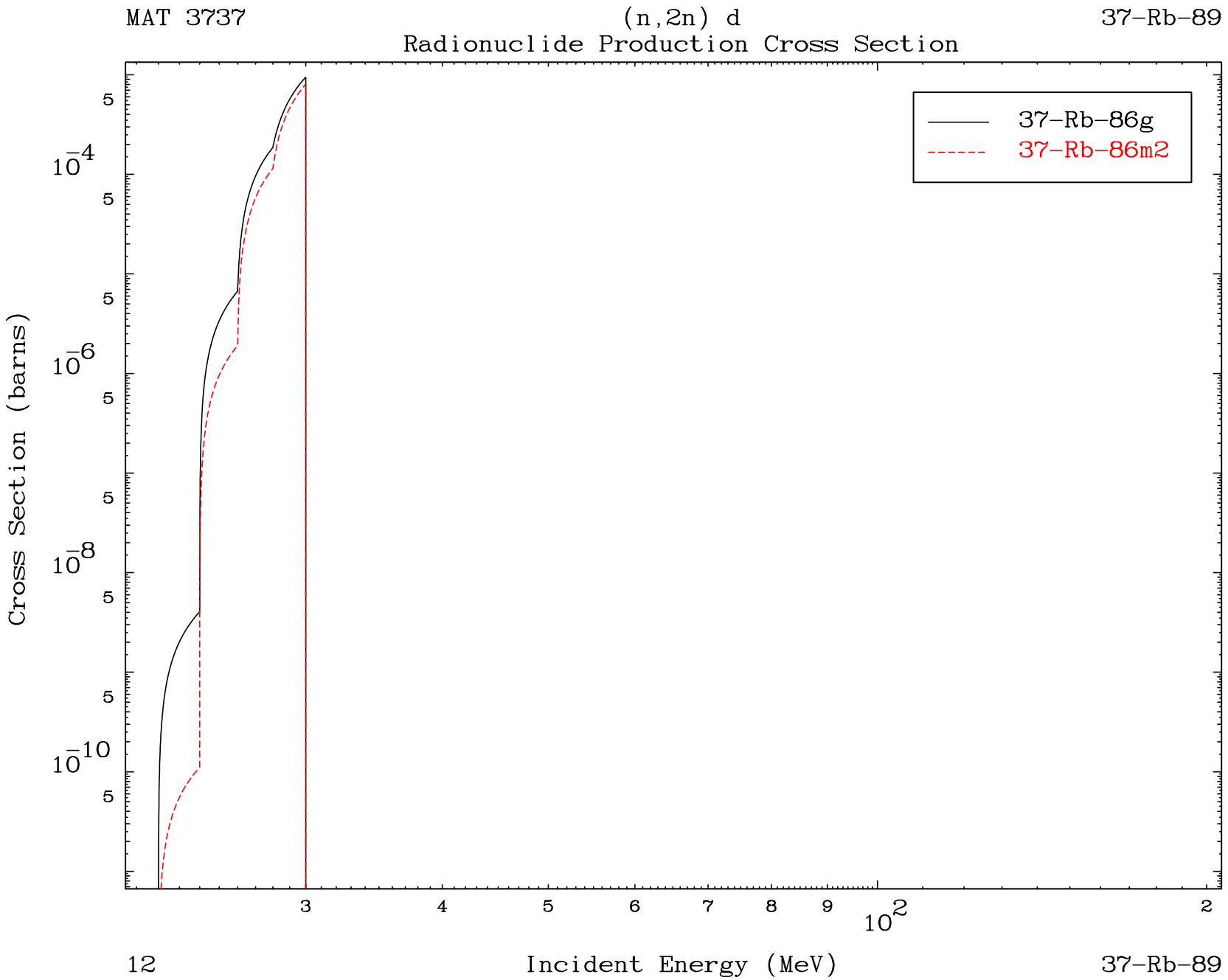

MAT 3737
(p,p) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
37-Rb-89

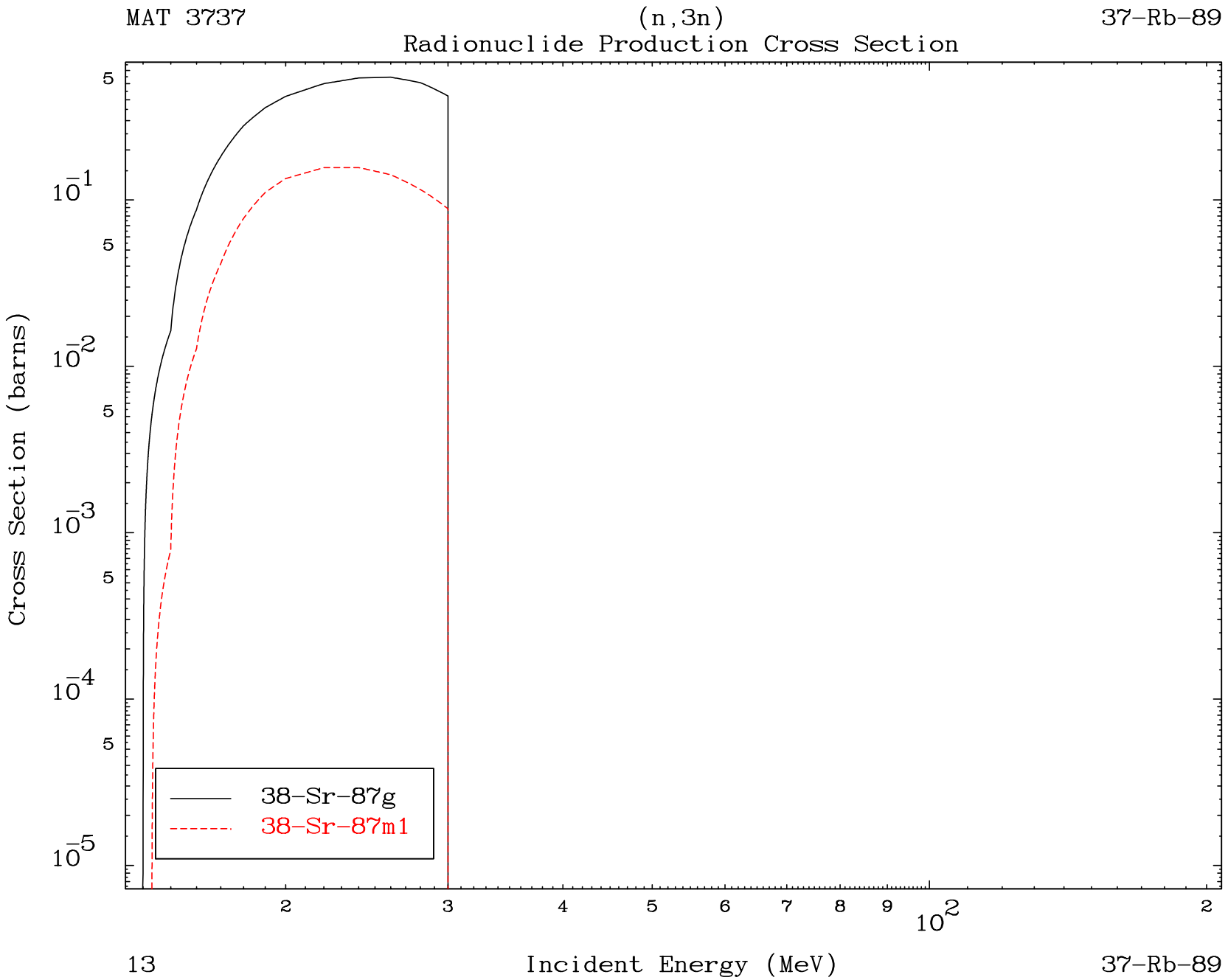

MAT 3737
(p,d) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
37-Rb-89

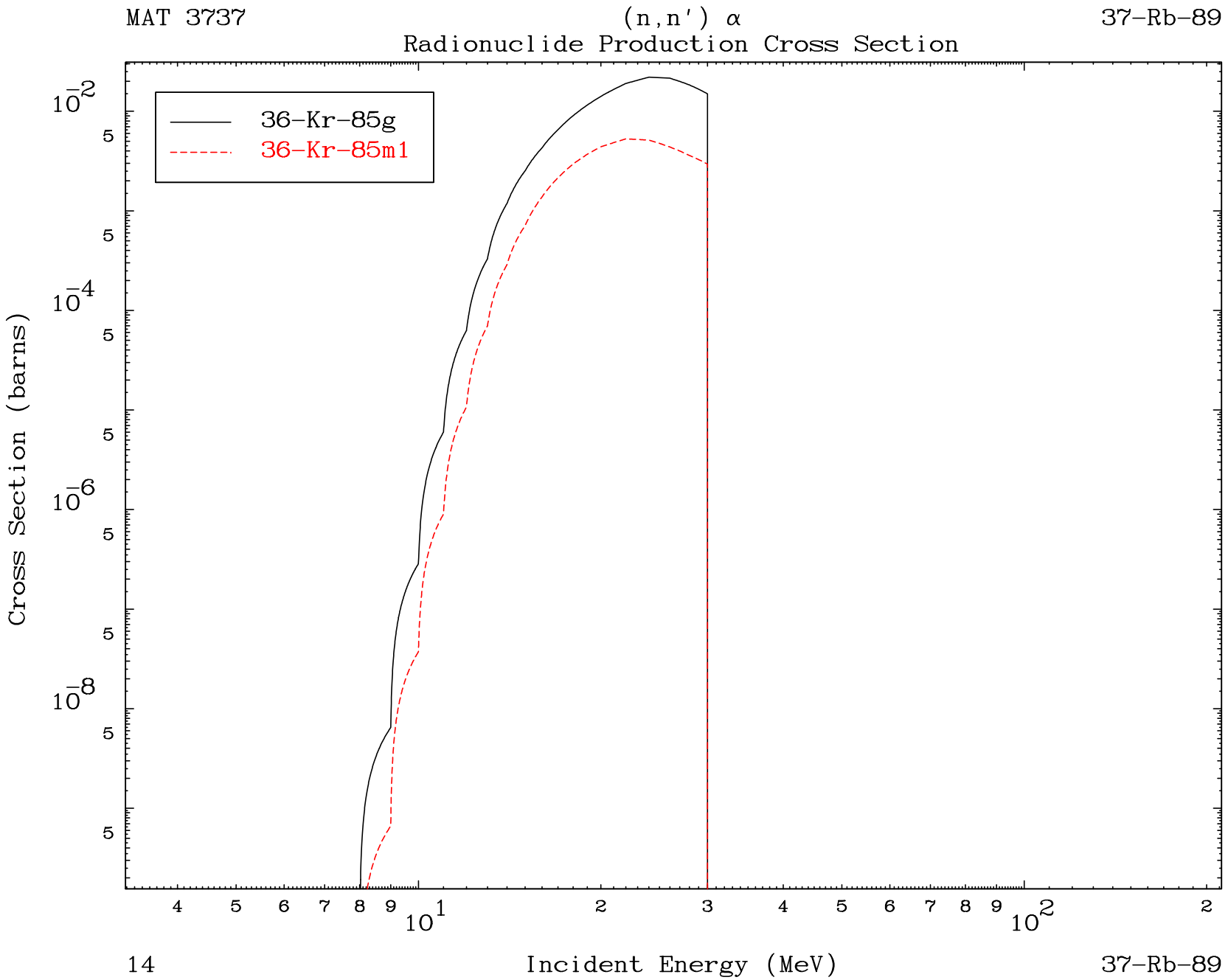

MAT 3737
(p,t) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
37-Rb-89

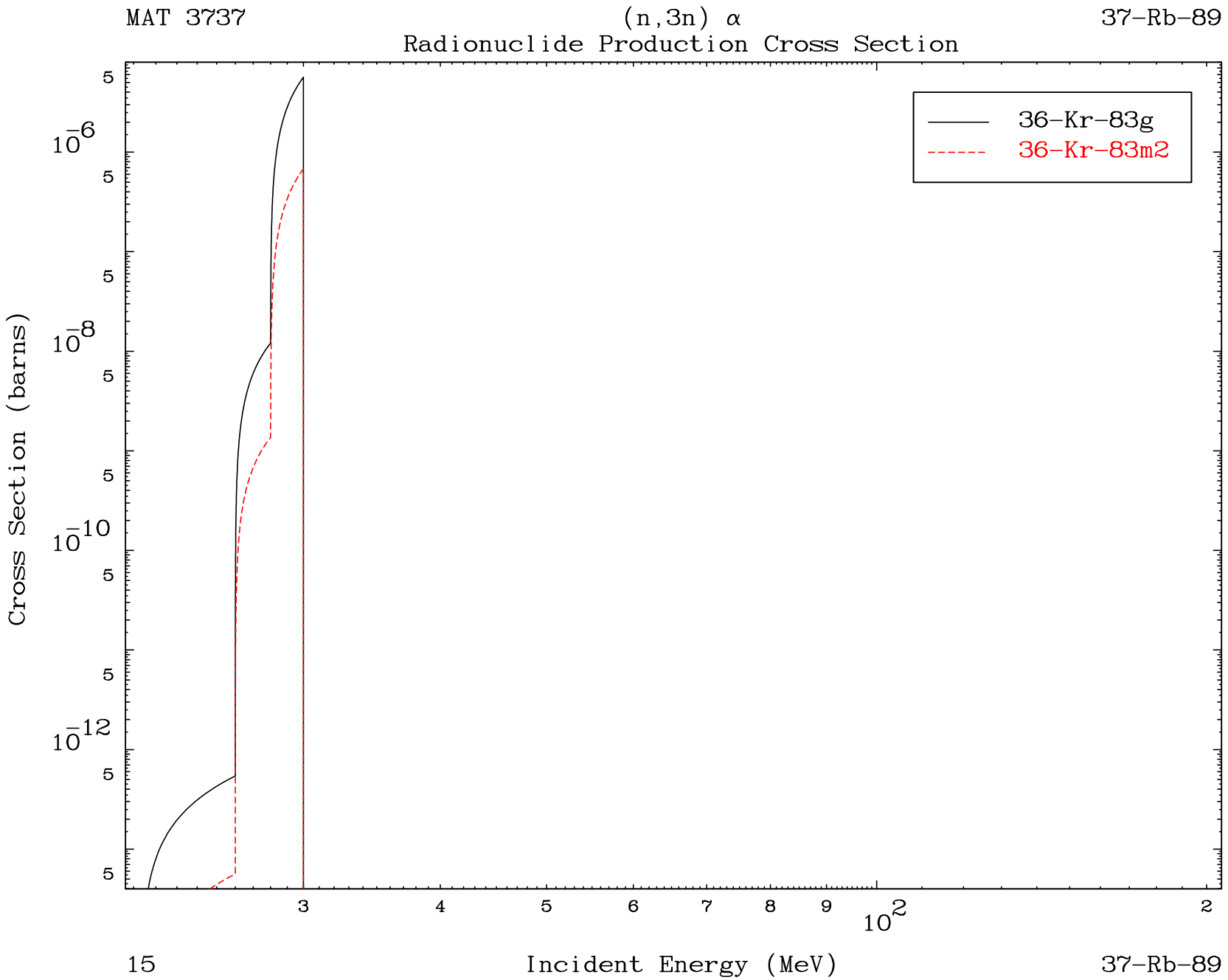

MAT 3737
(p,He3) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
37-Rb-89

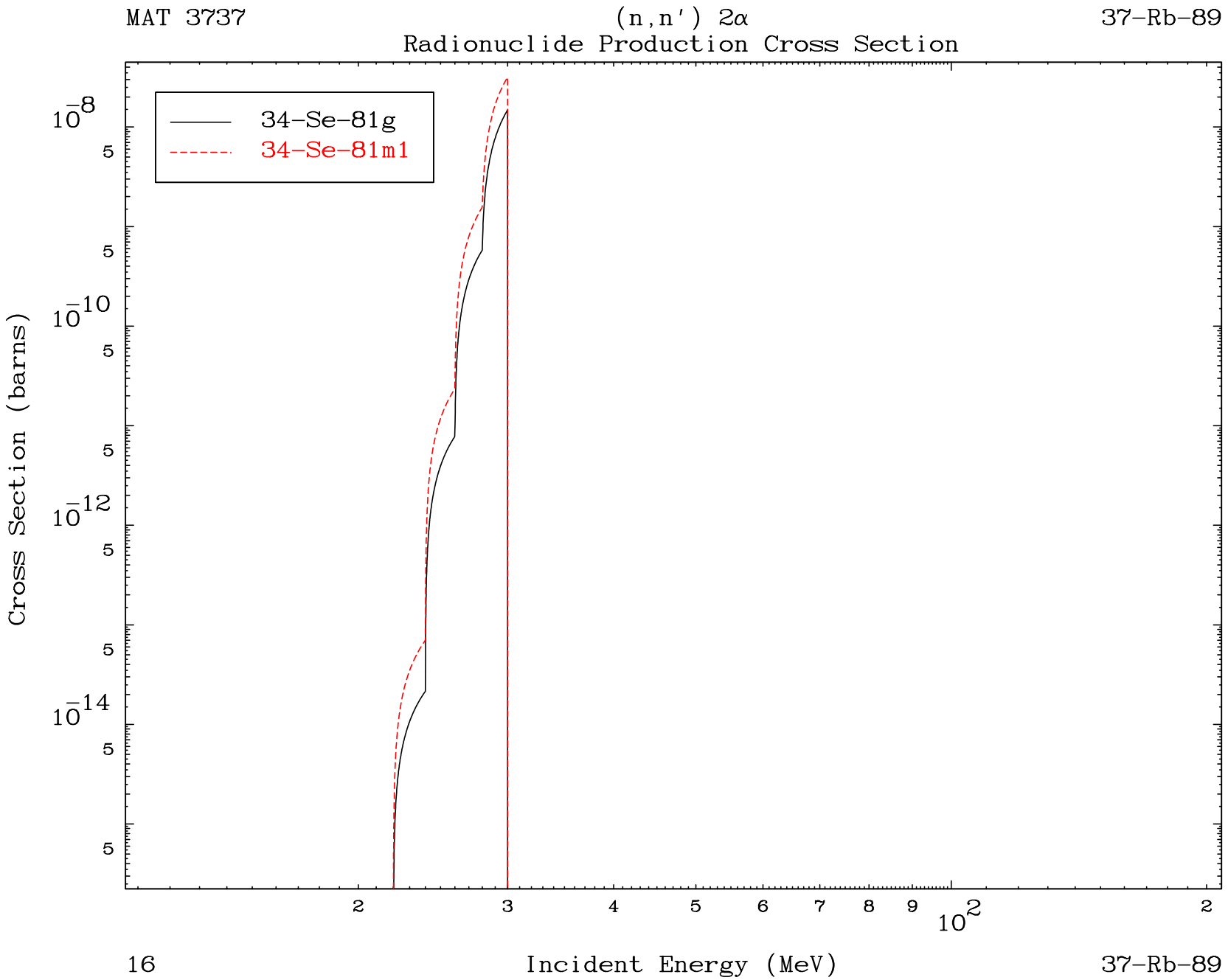

MAT 3737
(p,α) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
37-Rb-89

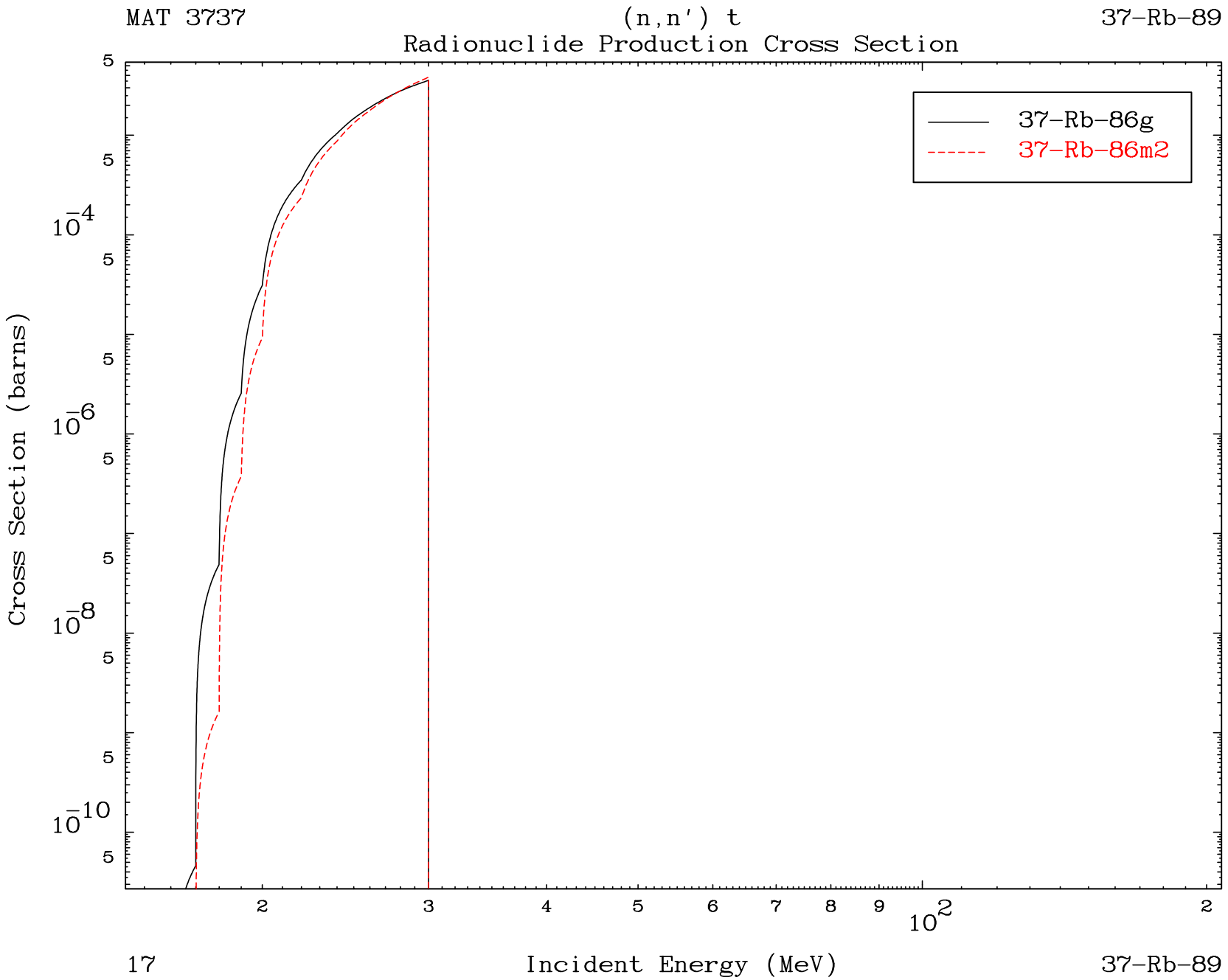

MAT 3737
(n,2n) d
37-Rb-89
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
37-Rb-89

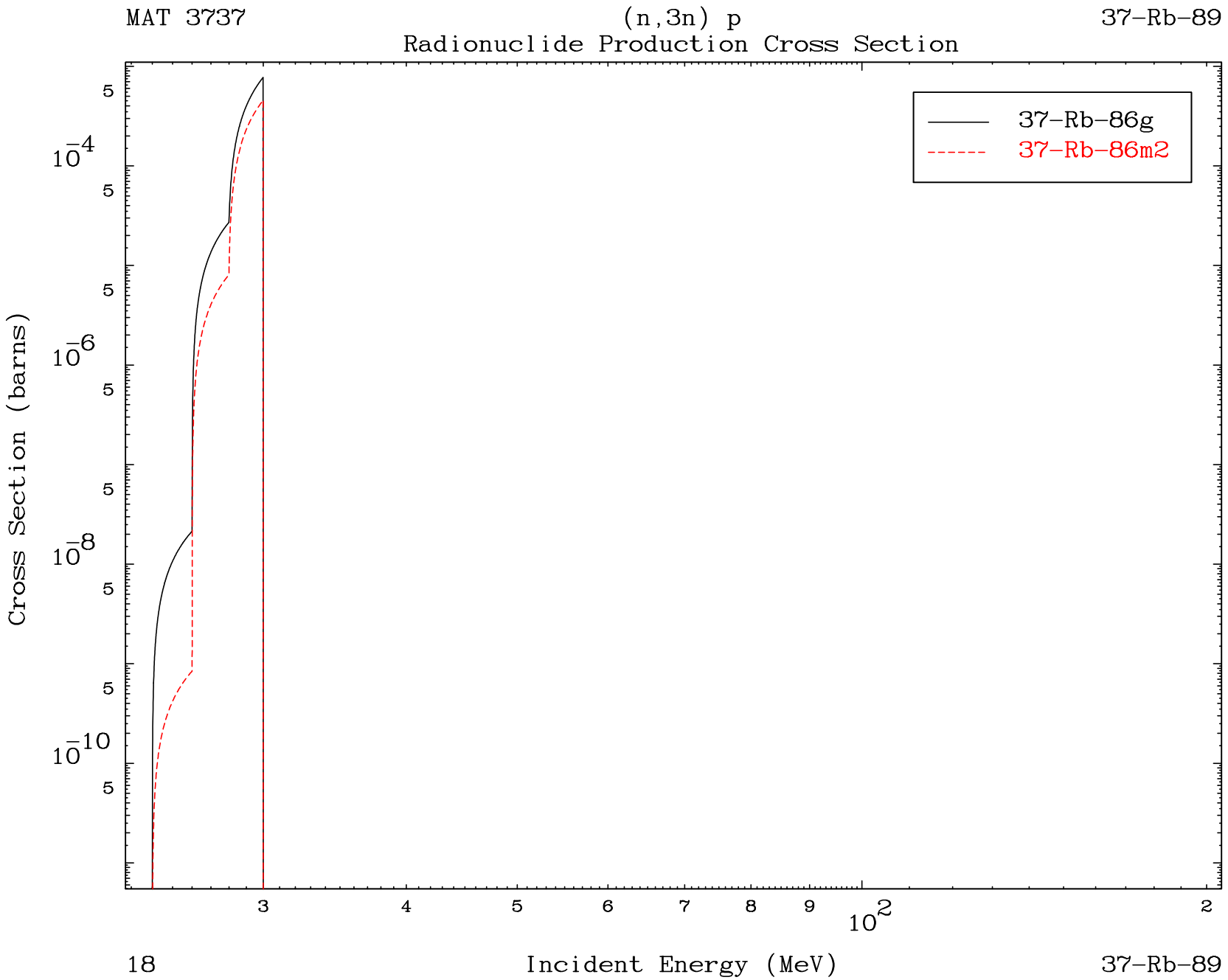

MAT 3737
(n,3n)
37-Rb-89
Radionuclide Production Cross Section
Cross Section (barns)
5
10-1
5
10-2
5
10-3
5
10-4
5
10-5
38-Sr-87g
38-Sr-87m1
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
37-Rb-89

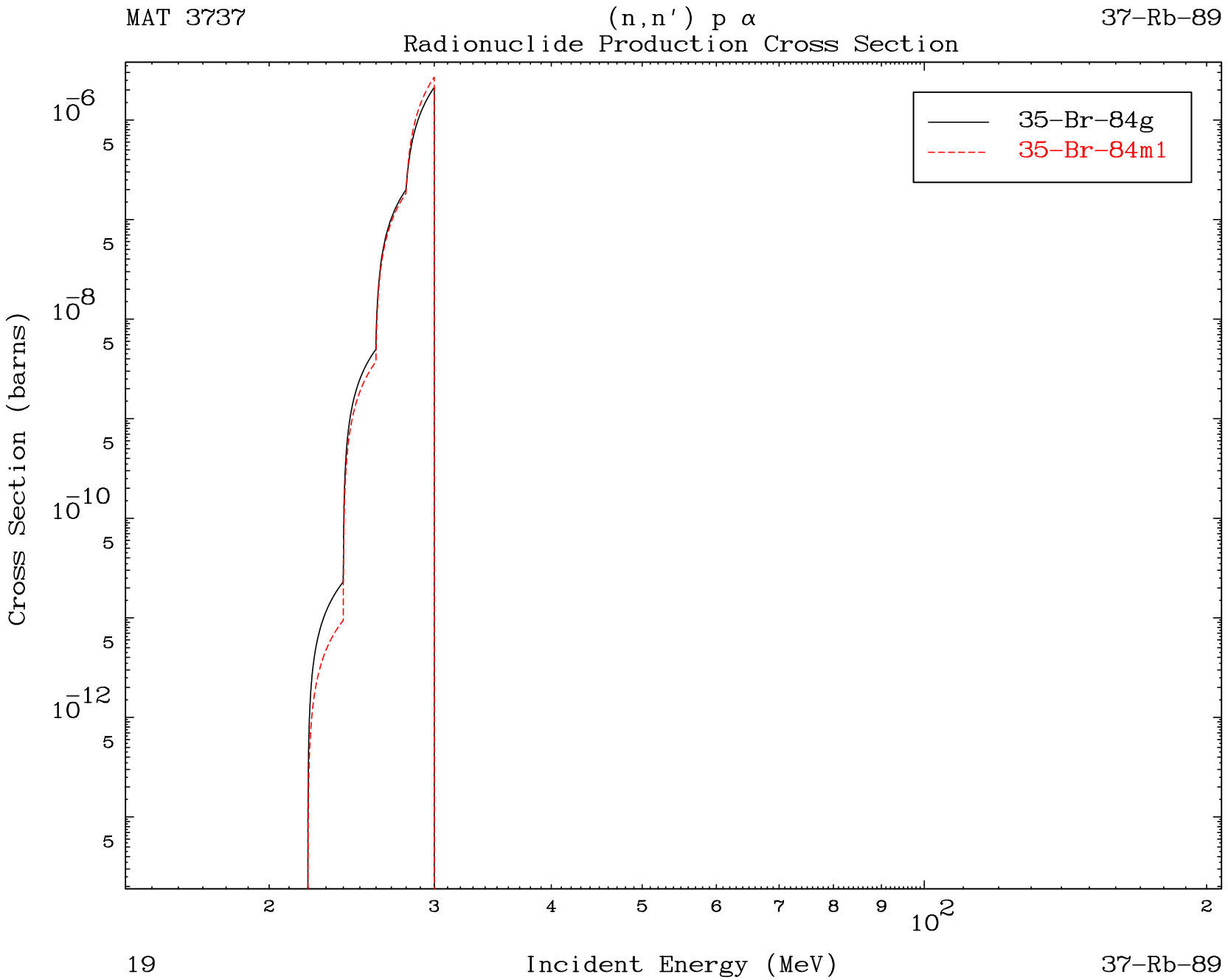

MAT 3737
(n,n') α
37-Rb-89
Radionuclide Production Cross Section
36-Kr-85g
36-Kr-85m1
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
14
Incident Energy (MeV)
37-Rb-89

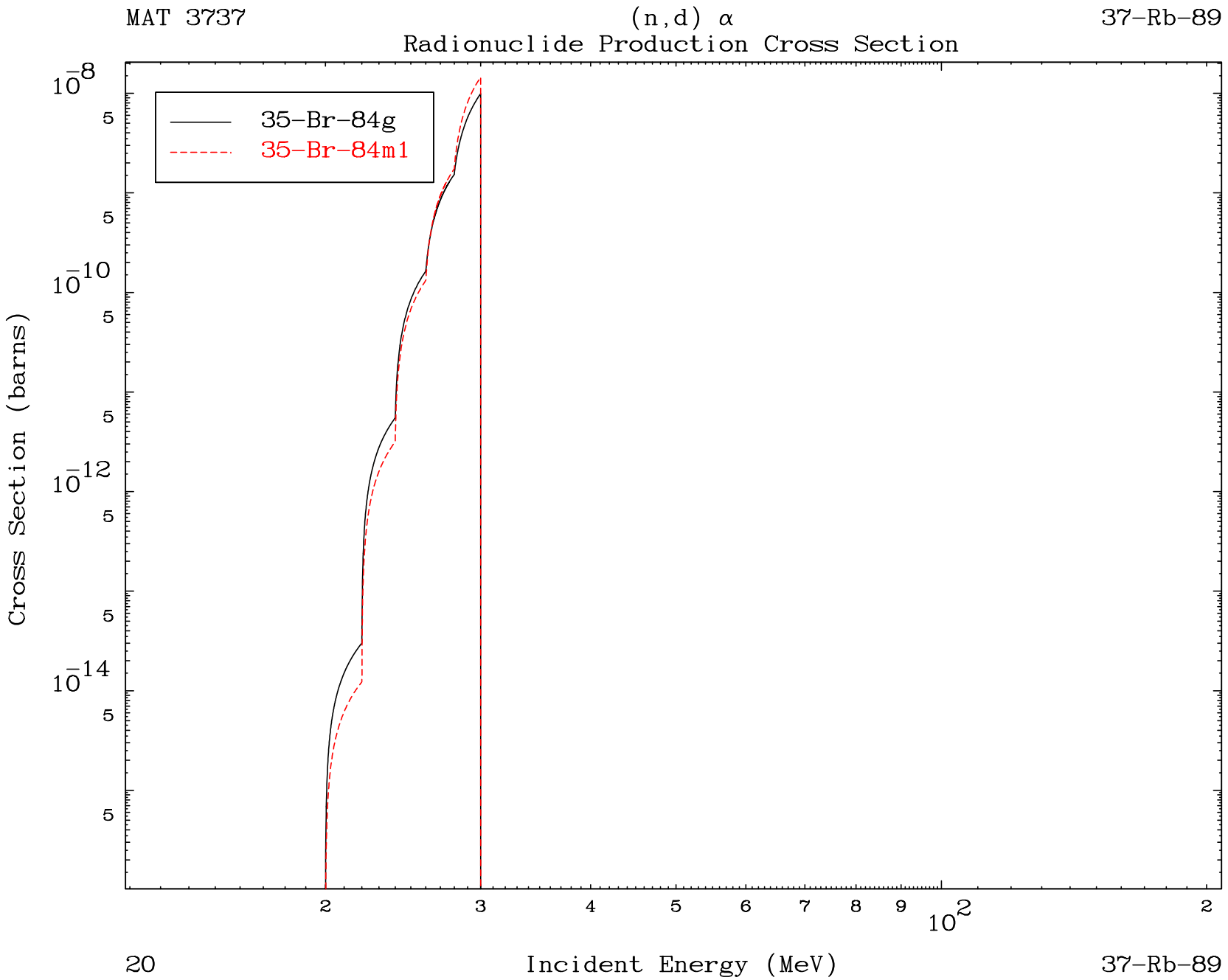

MAT 3737
(n,3n) α
37-Rb-89
Radionuclide Production Cross Section
36-Kr-83g
36-Kr-83m2
Cross Section (barns)
Incident Energy (MeV)
15
37-Rb-89


MAT 3737
(n,n') 2α
37-Rb-89
Radionuclide Production Cross Section
34-Se-81g
34-Se-81m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
37-Rb-89


MAT 3737
(n,n') t
37-Rb-89
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
37-Rb-89


MAT 3737
(n,3n) p
37-Rb-89
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
37-Rb-89


MAT 3737
(n,n') p α
37-Rb-89
Radionuclide Production Cross Section
35-Br-84g
35-Br-84m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
37-Rb-89


MAT 3737
(n,d) α
37-Rb-89
Radionuclide Production Cross Section
35-Br-84g
35-Br-84m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
37-Rb-89