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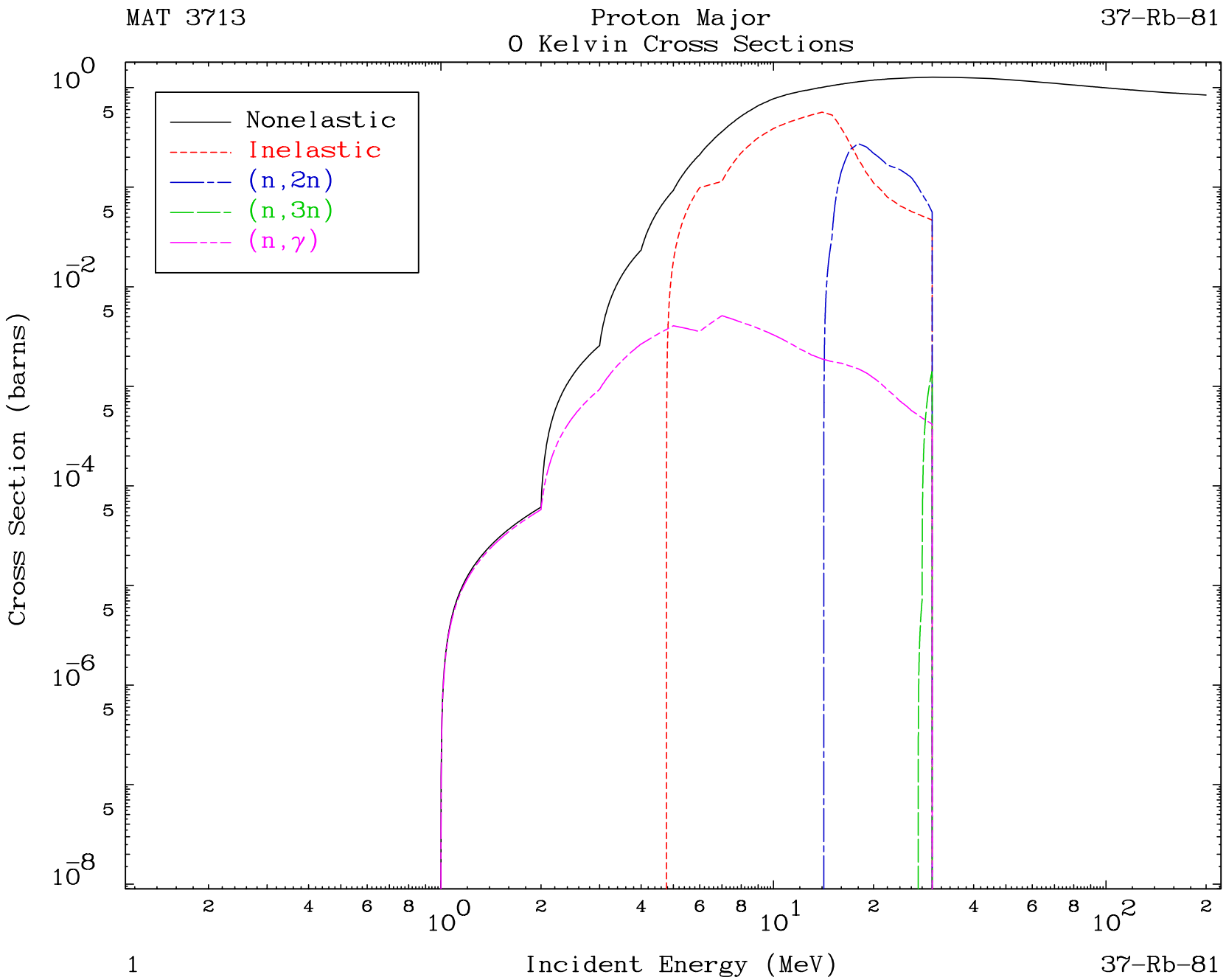
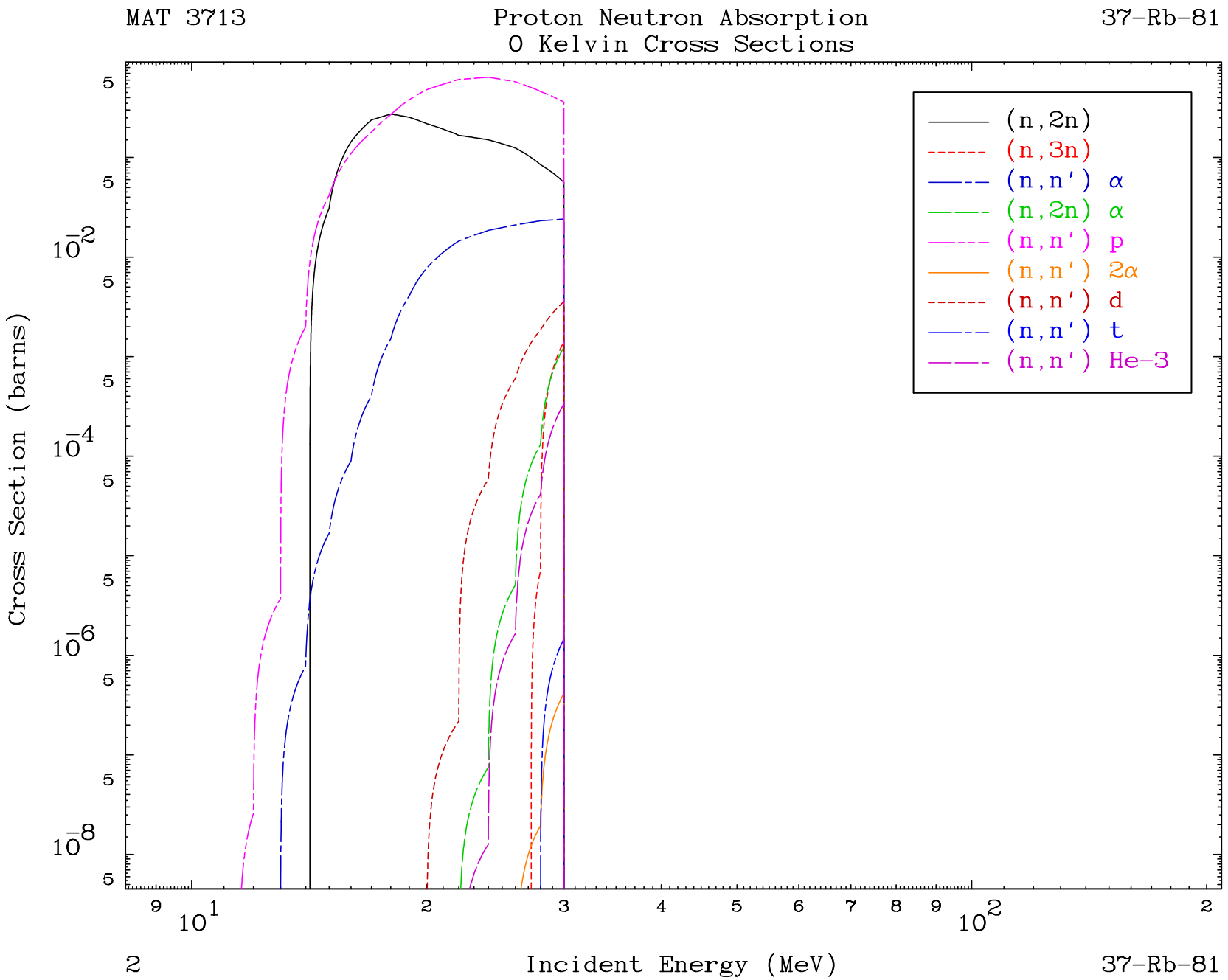
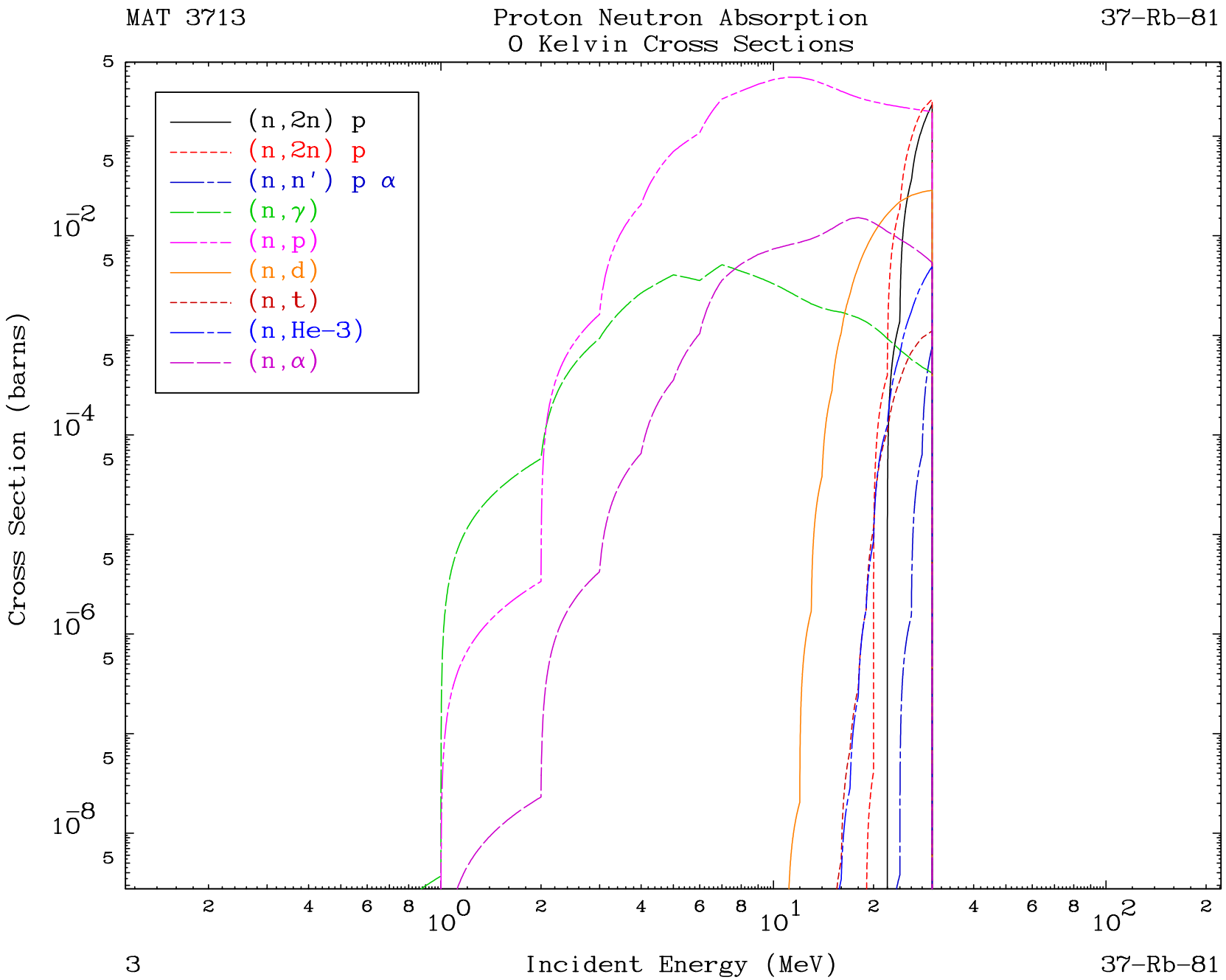
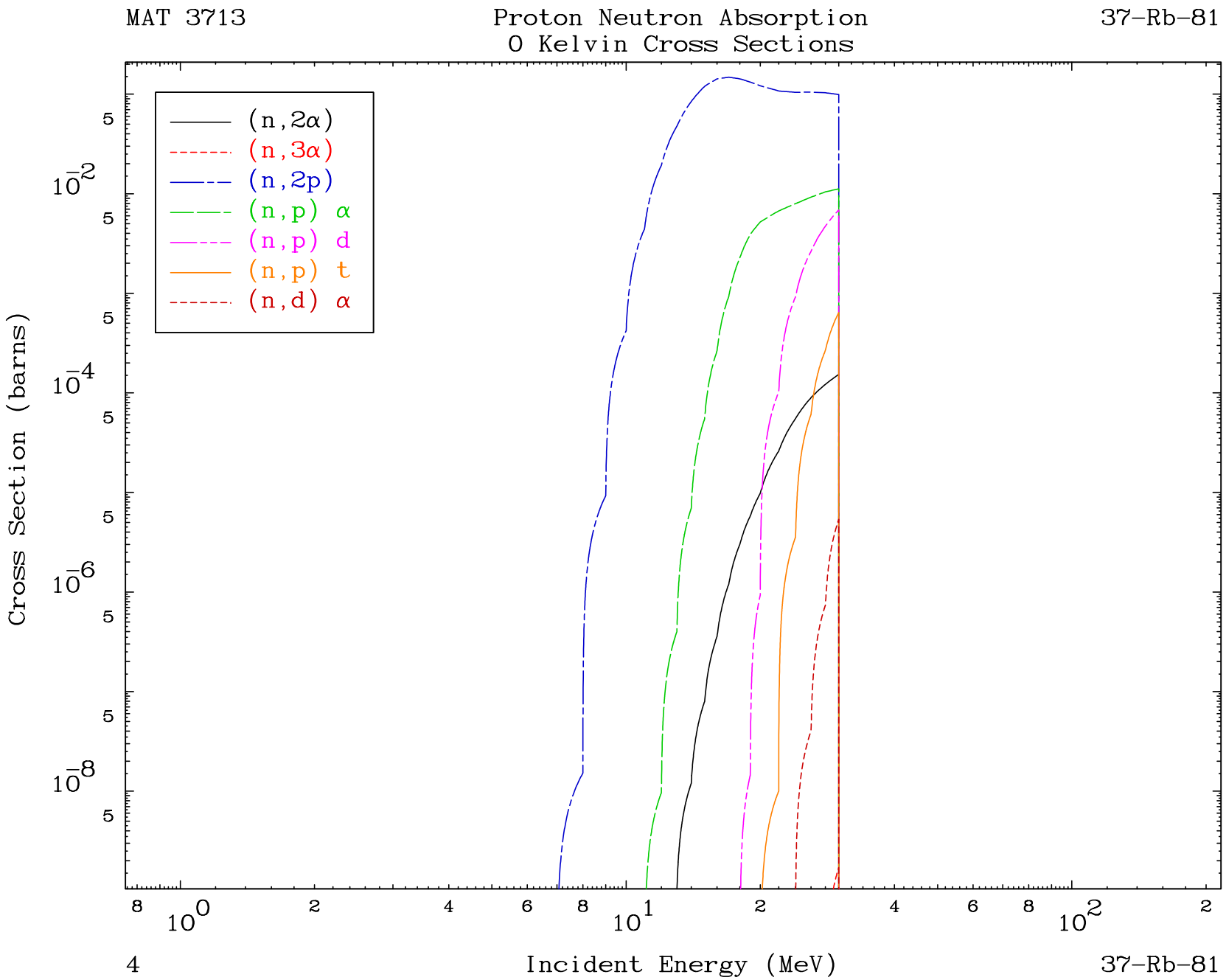
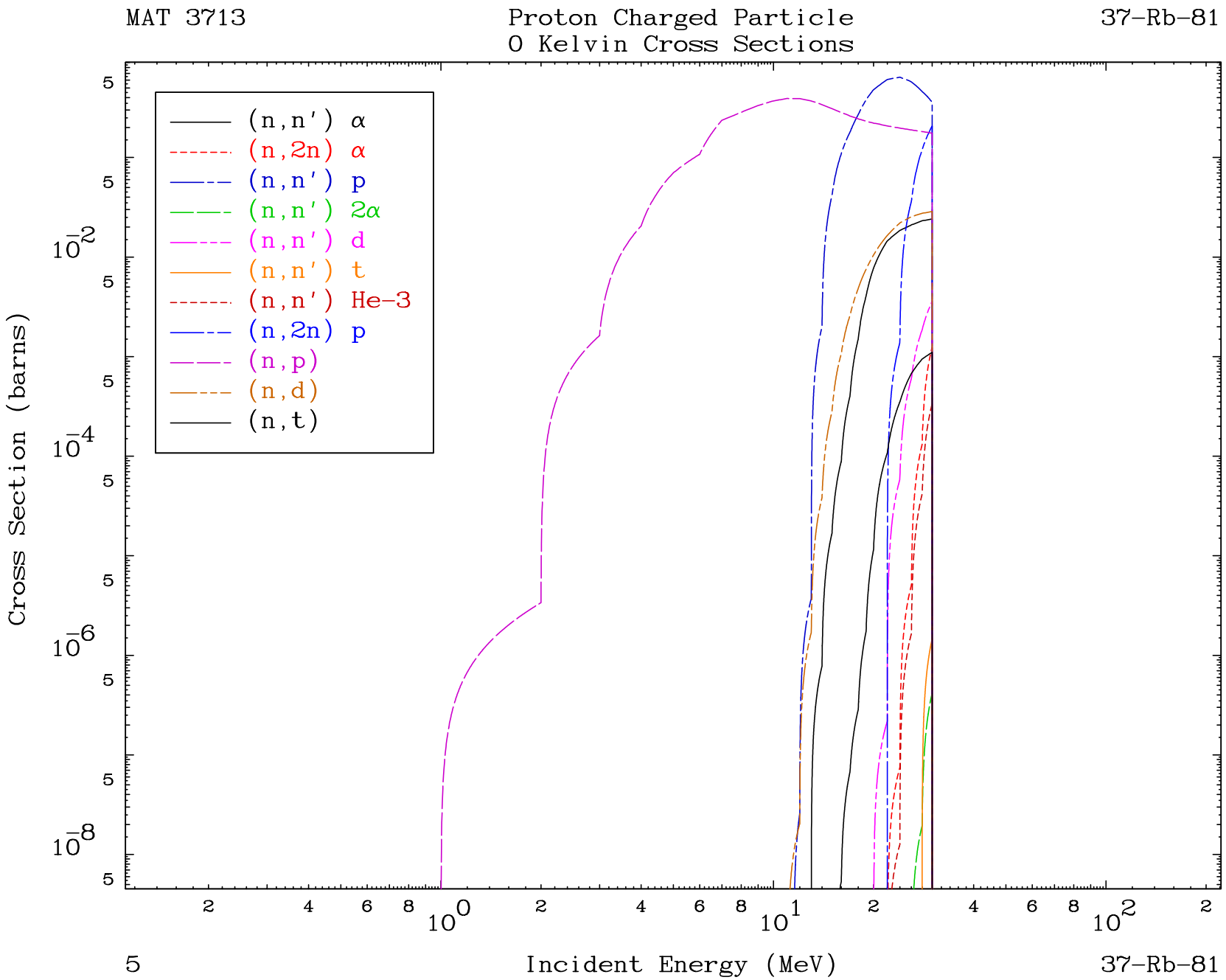
Press Mouse Button to Start

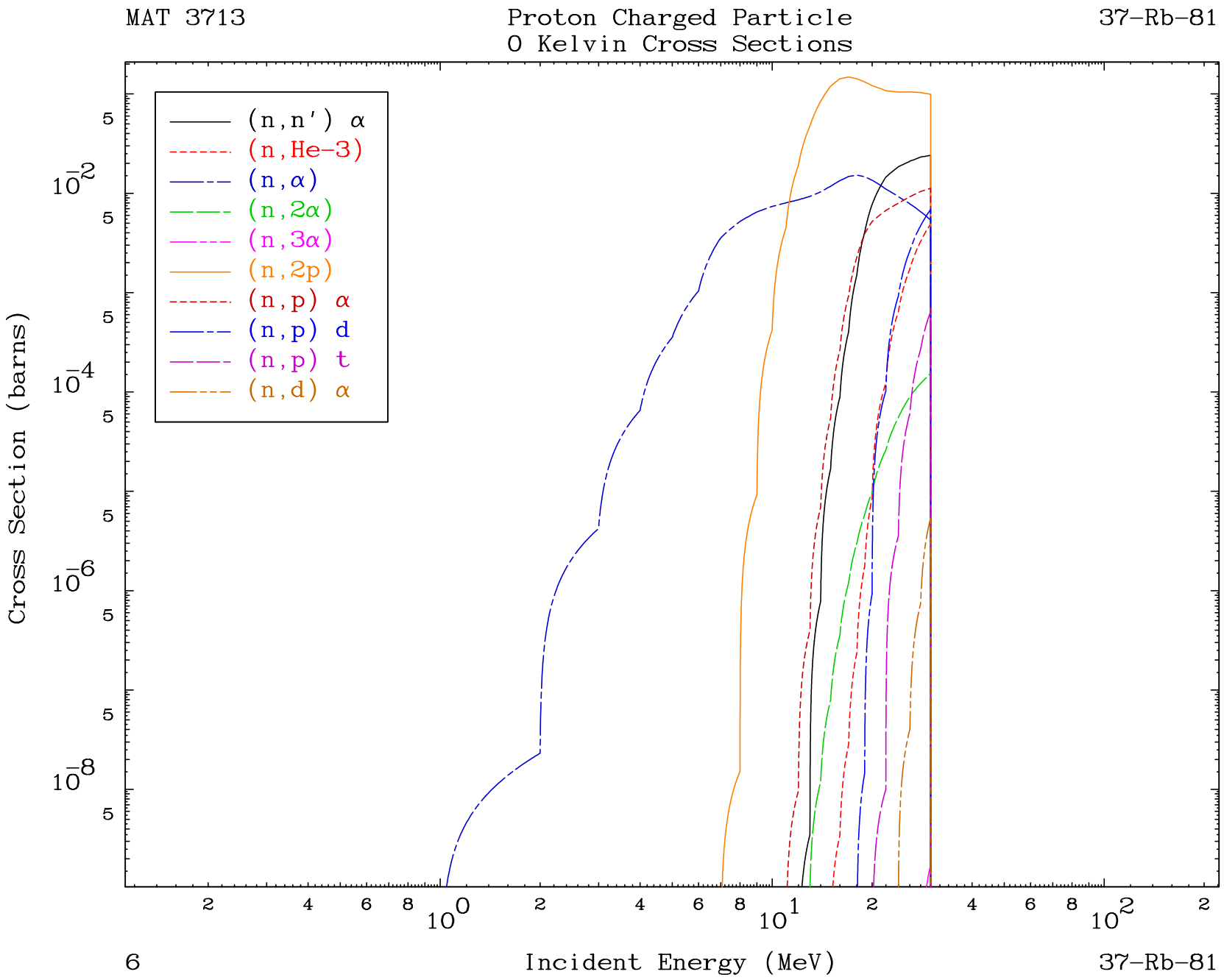

MAT 3713
Proton Major
37-Rb-81
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-81
1

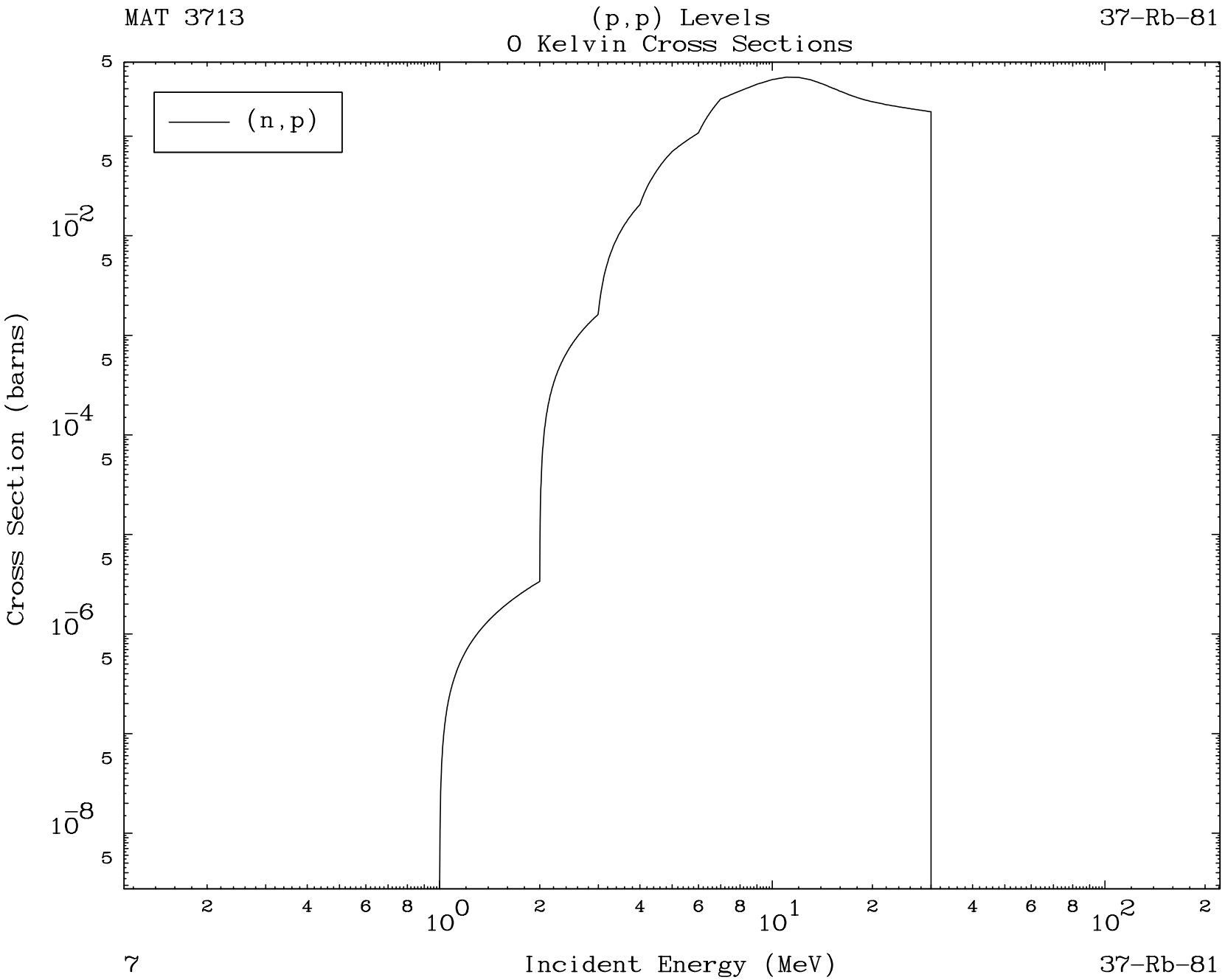

MAT 3713
Proton Neutron Absorption
0 Kelvin Cross Sections
37-Rb-81
Cross Section (barns)
Incident Energy (MeV)
37-Rb-81
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3

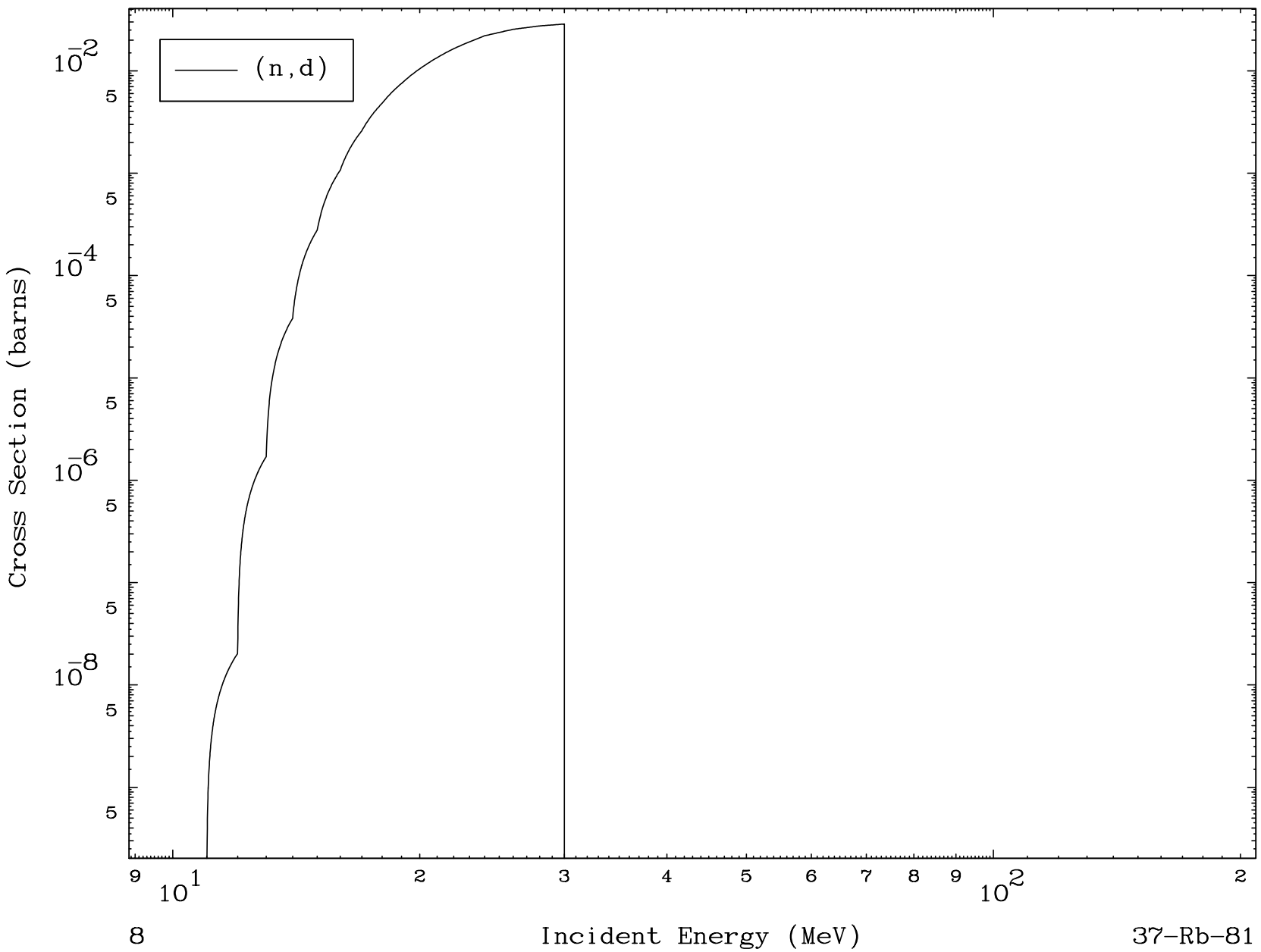

MAT 3713
Proton Neutron Absorption
0 Kelvin Cross Sections
37-Rb-81
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
37-Rb-81

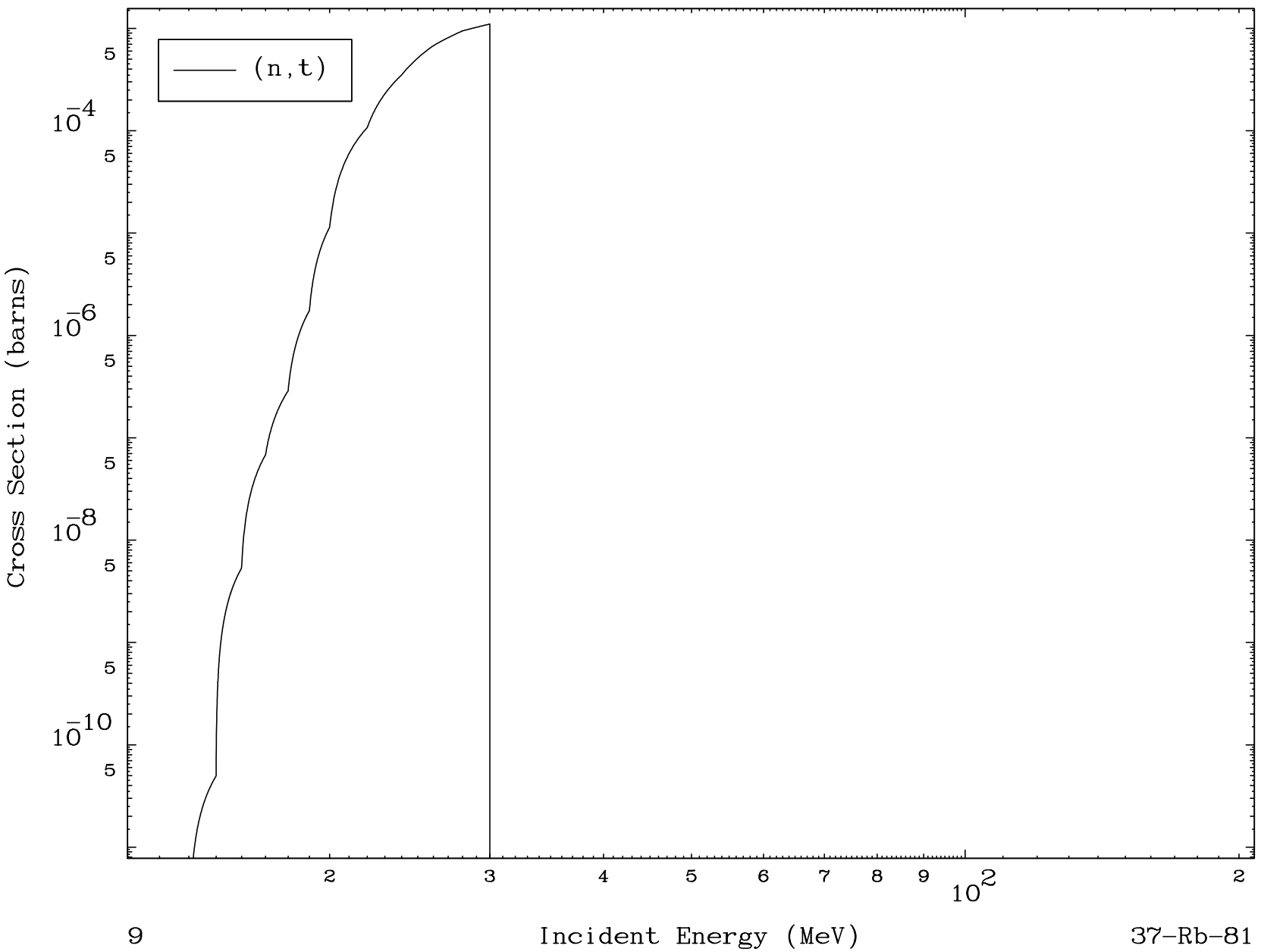

MAT 3713
Proton Neutron Absorption
0 Kelvin Cross Sections
37-Rb-81
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
37-Rb-81
4

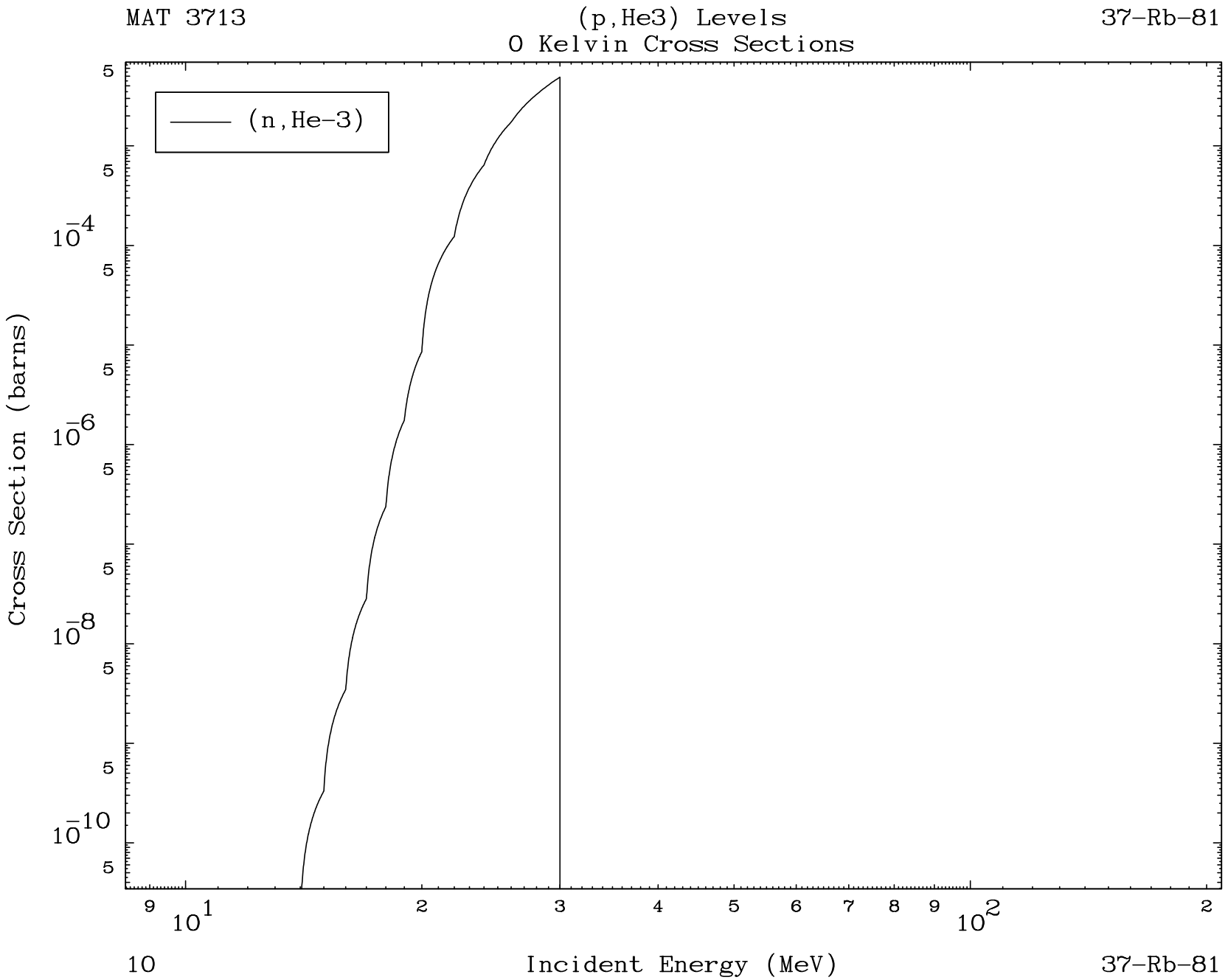

MAT 3713
Proton Charged Particle
0 Kelvin Cross Sections
37-Rb-81
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-81
5

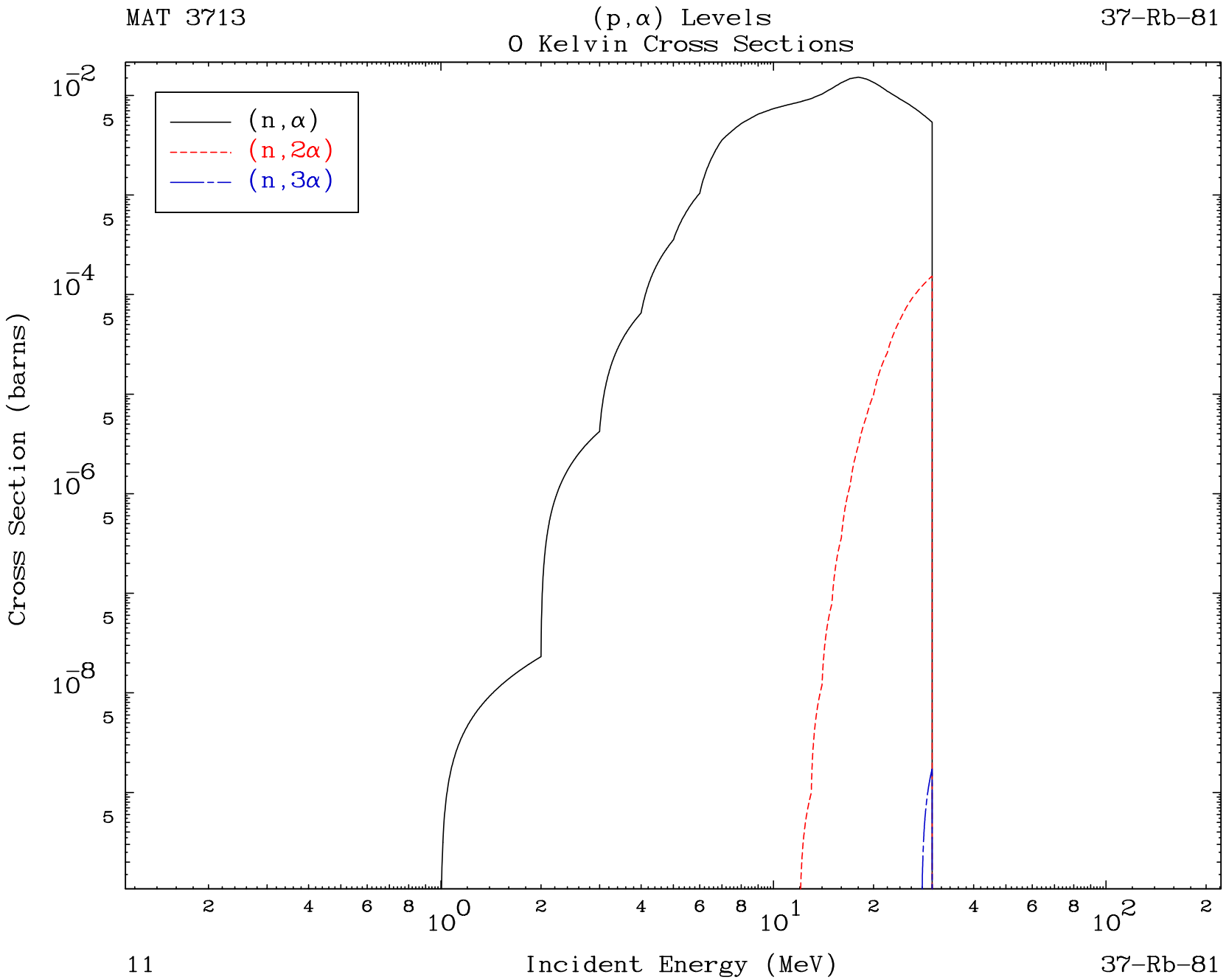

MAT 3713
Proton Charged Particle
0 Kelvin Cross Sections
37-Rb-81
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
37-Rb-81

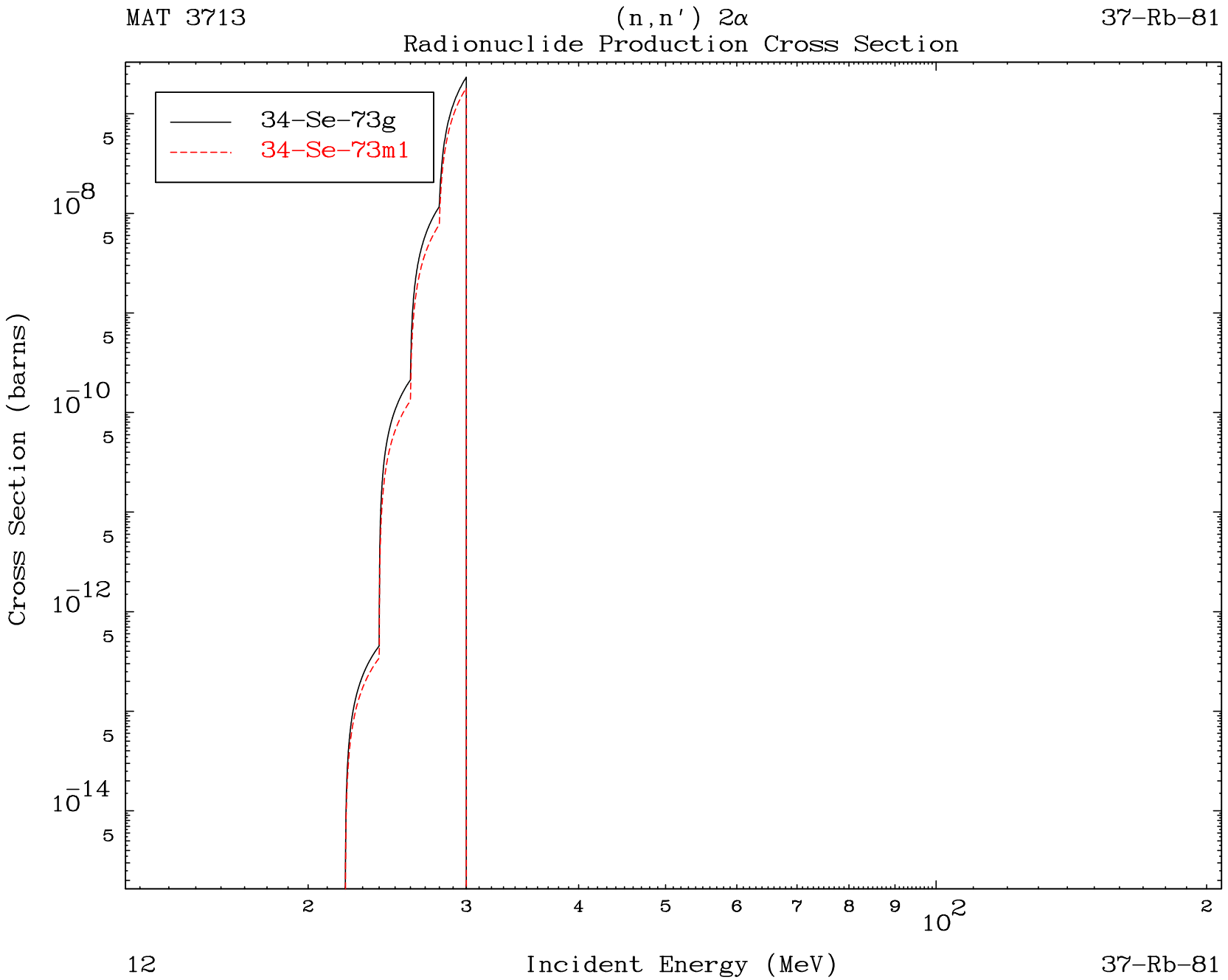

MAT 3713
(p,p) Levels
37-Rb-81
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
37-Rb-81

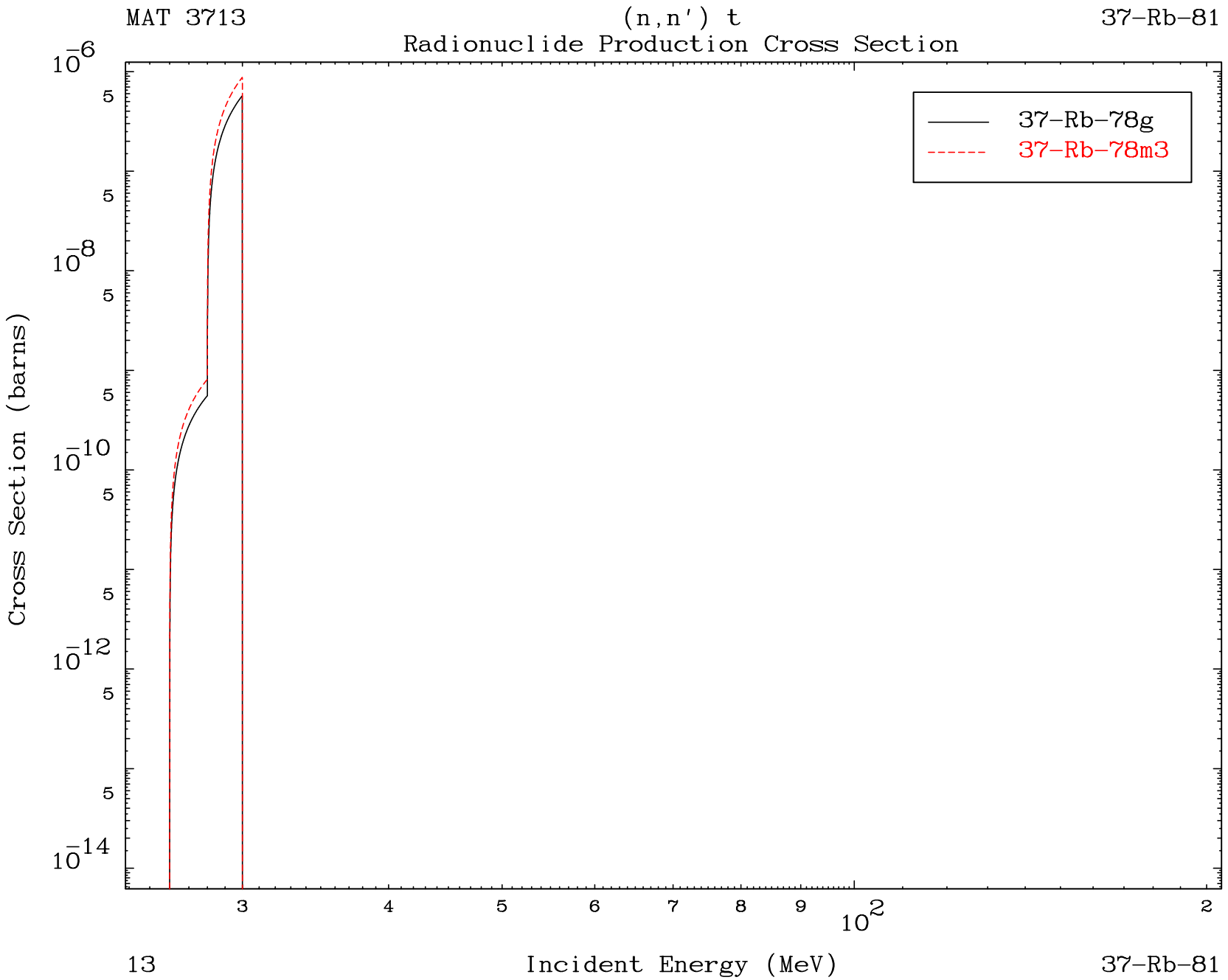

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

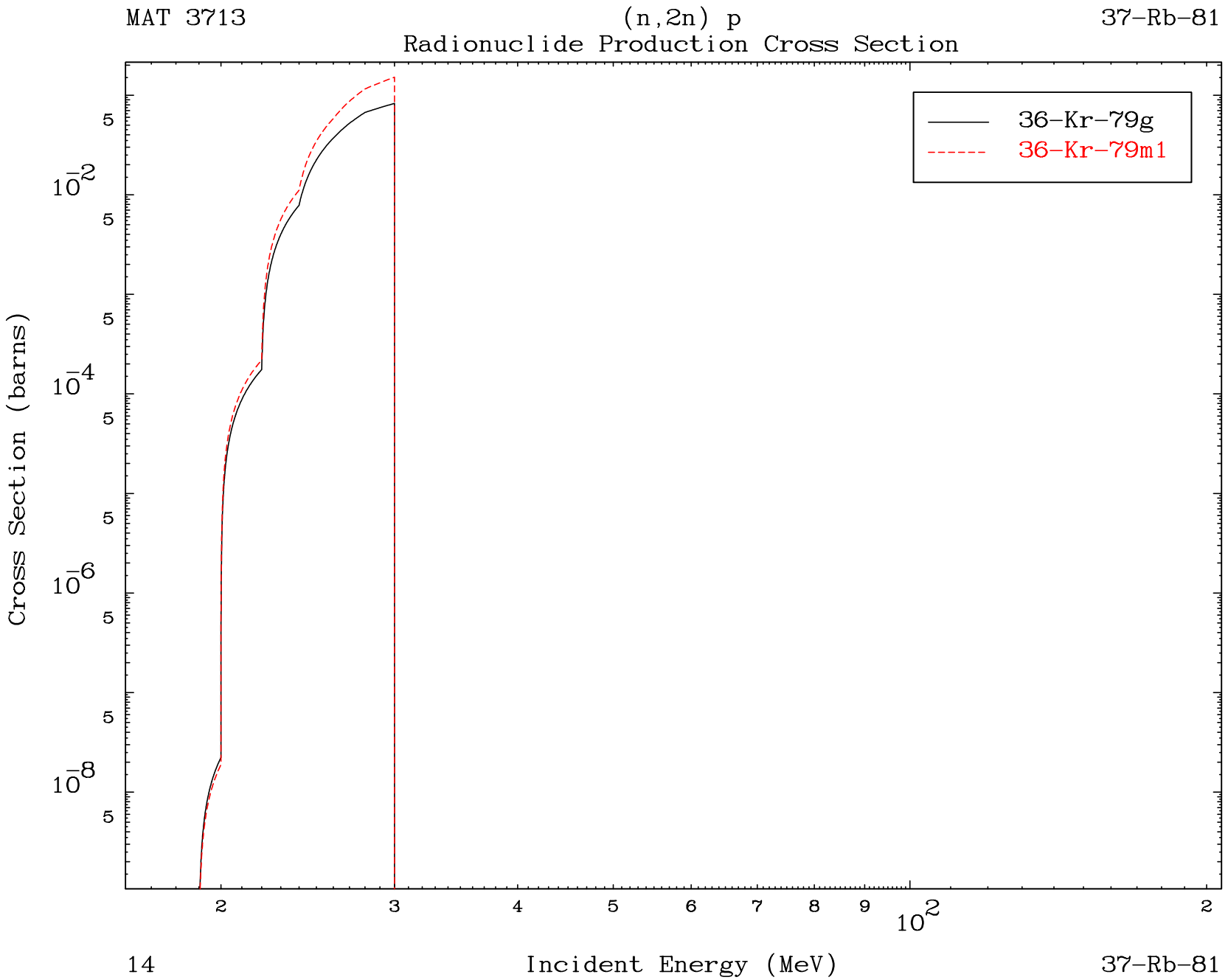

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

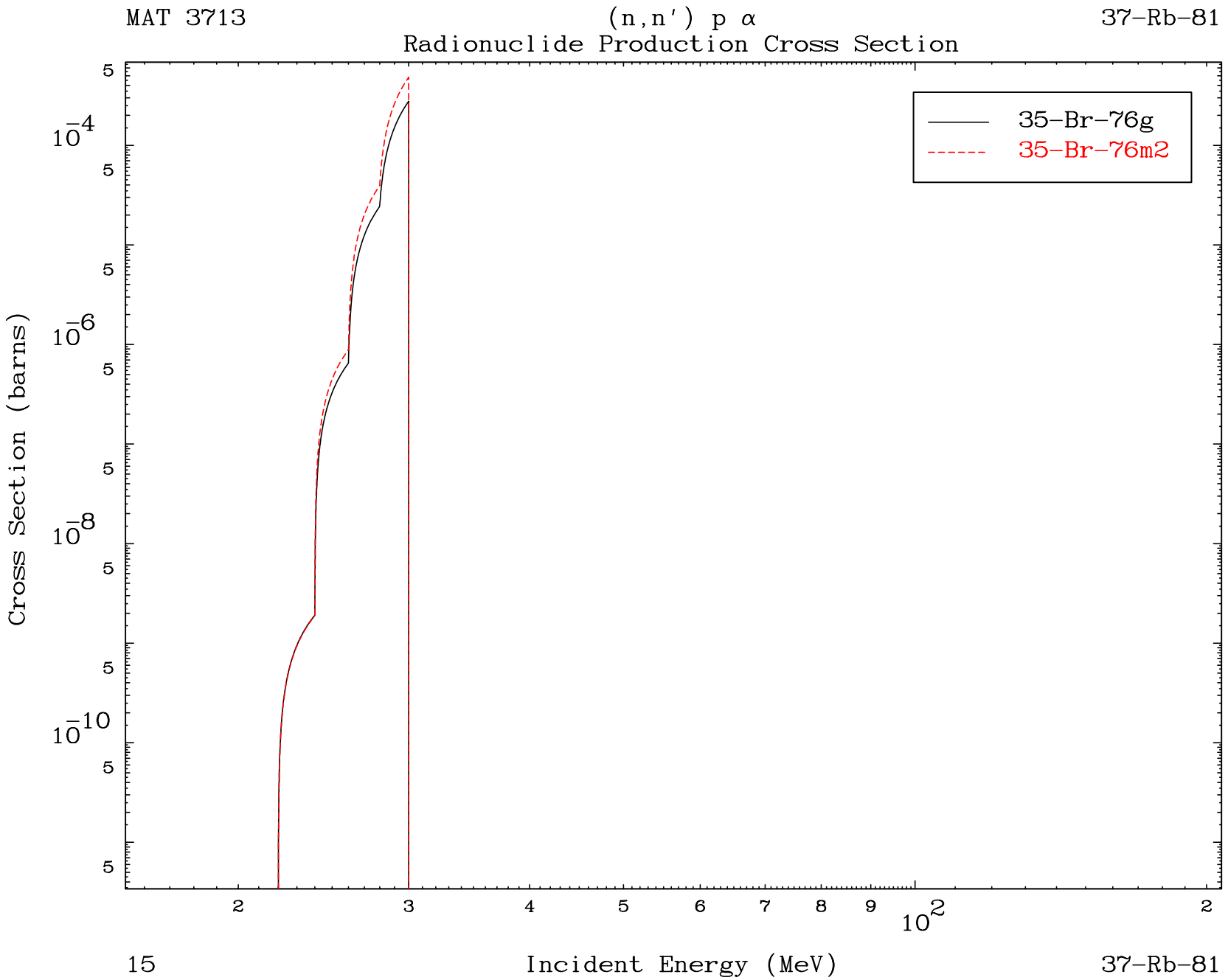

MAT 3713
(p,He3) Levels
37-Rb-81
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-81

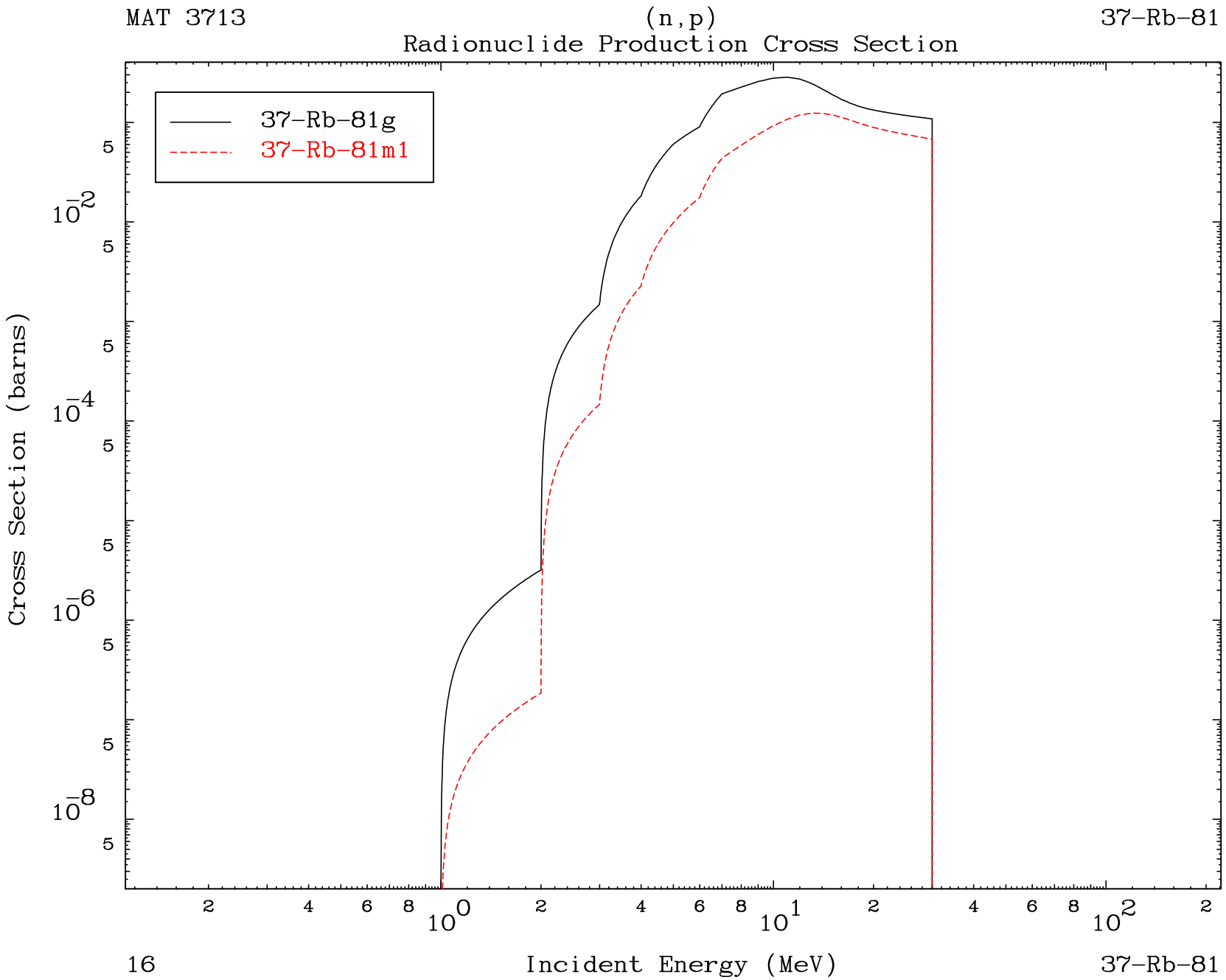

MAT 3713
(p,α) Levels
37-Rb-81
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
11
37-Rb-81

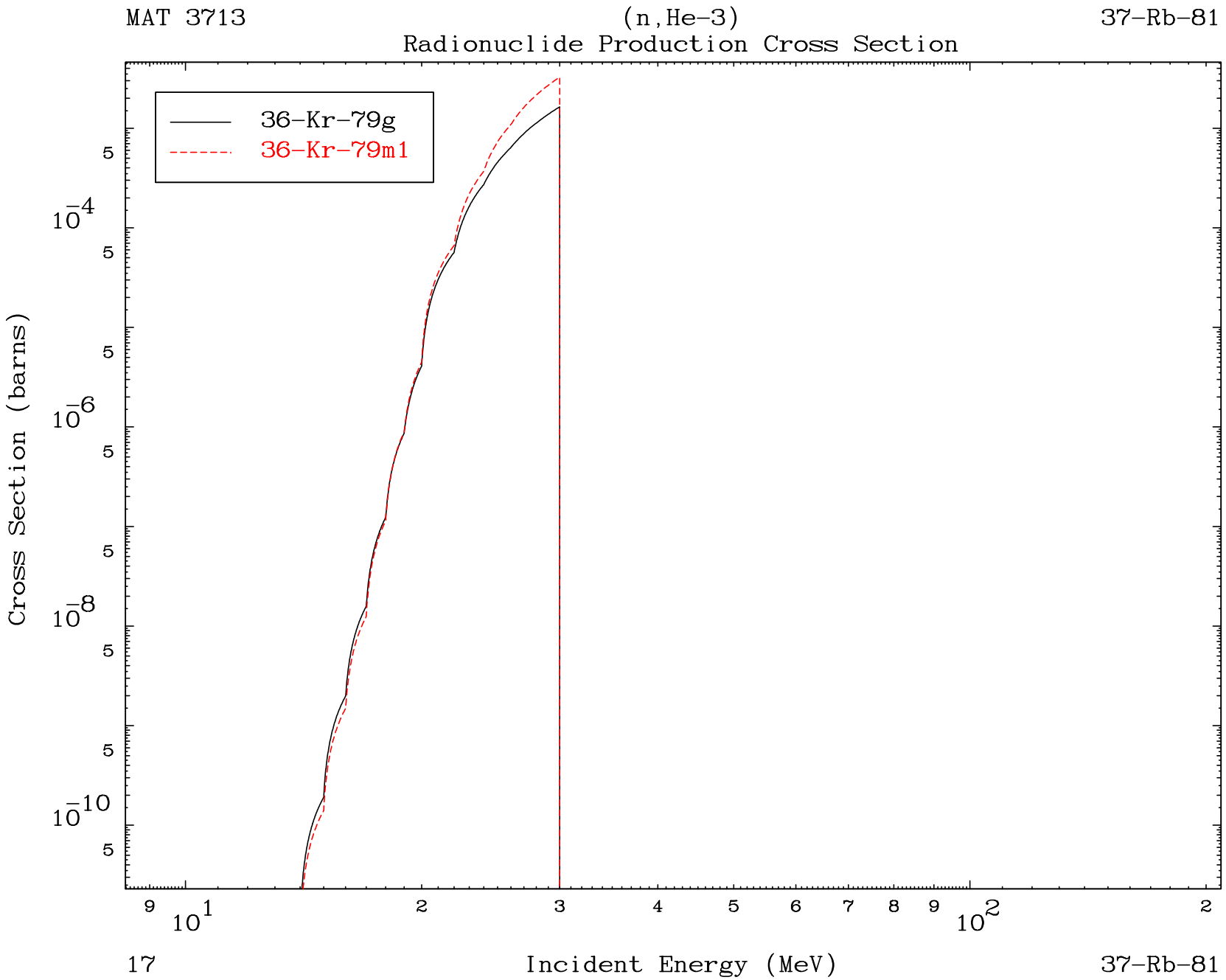

MAT 3713
(n,n') 2α
37-Rb-81
Radionuclide Production Cross Section
34-Se-73g
34-Se-73m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
37-Rb-81

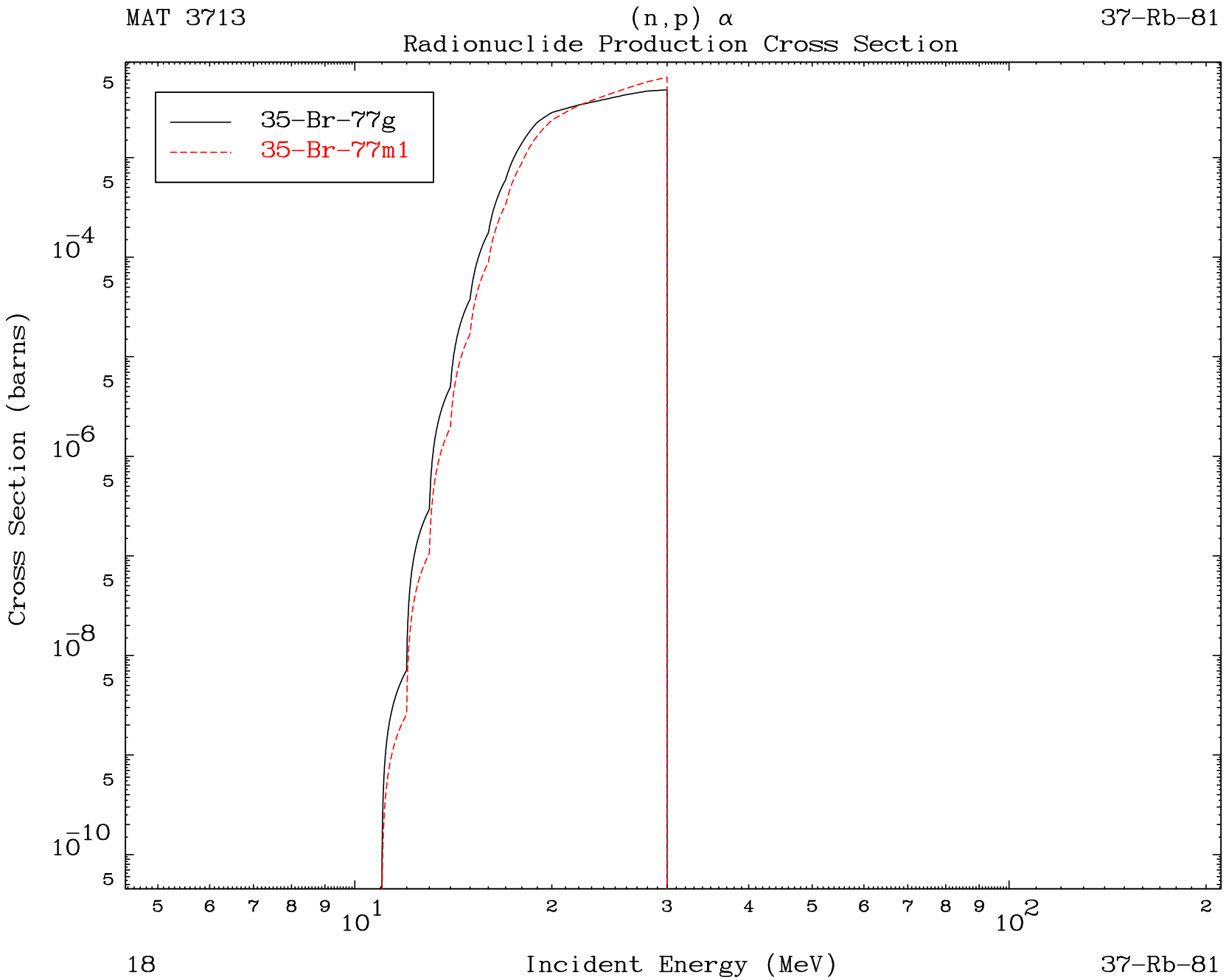

MAT 3713
(n,n') t
37-Rb-81
Radionuclide Production Cross Section
37-Rb-78g
37-Rb-78m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^-14
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
37-Rb-81

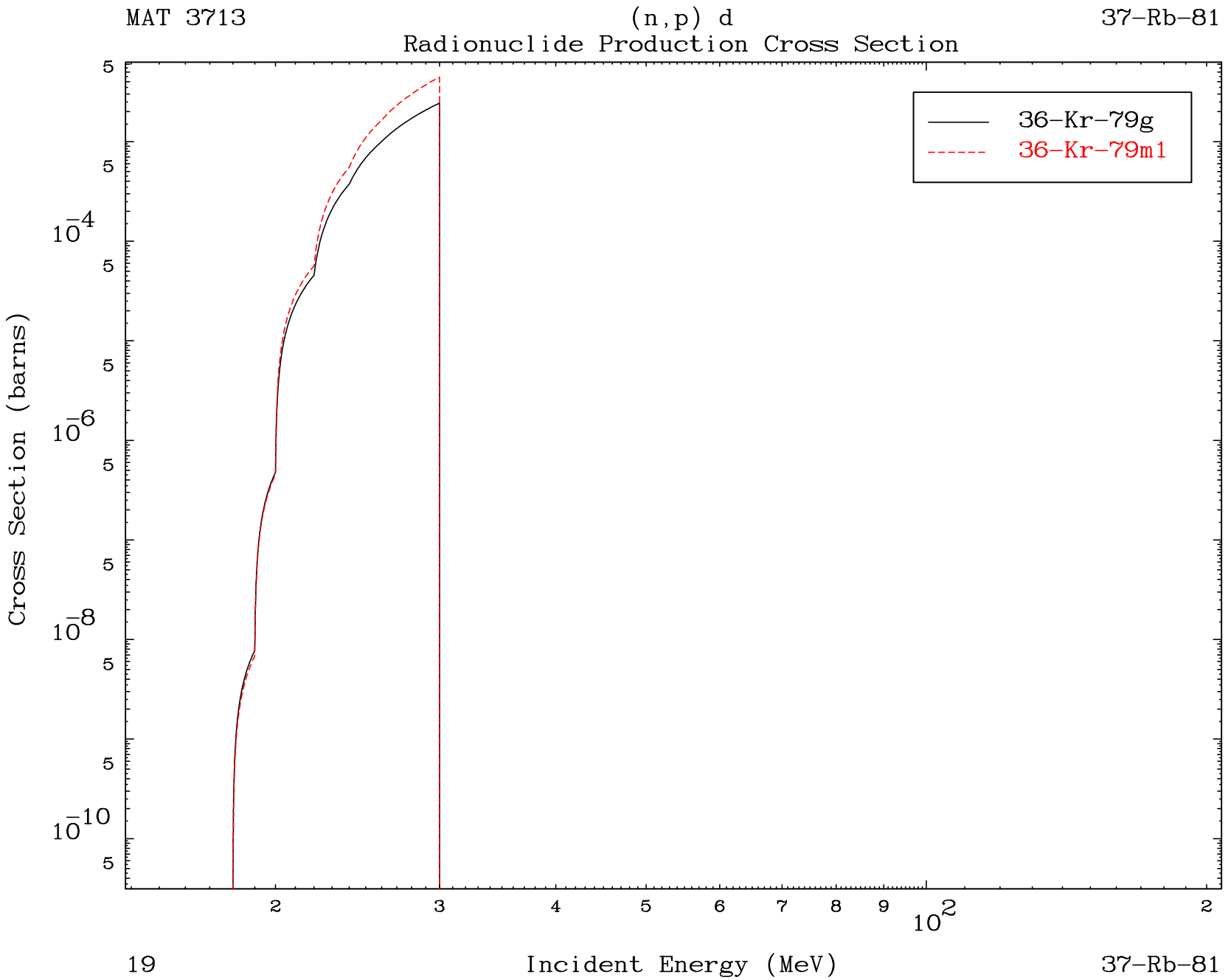

MAT 3713
(n,2n) p
37-Rb-81
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
6
7
8
9
10+2
Incident Energy (MeV)
14
37-Rb-81

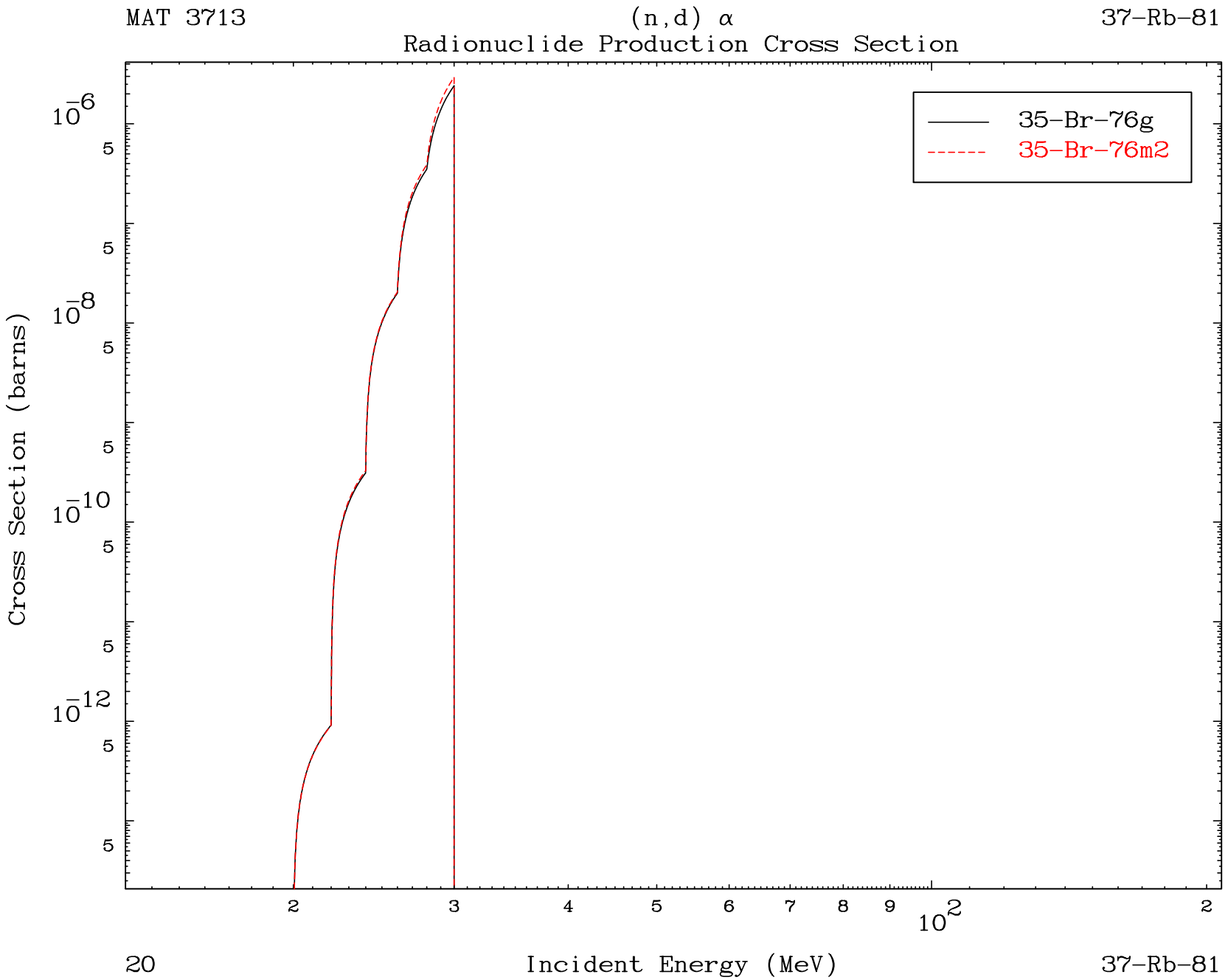

MAT 3713
(n,n') p α
37-Rb-81
Radionuclide Production Cross Section
35-Br-76g
35-Br-76m2
Cross Section (barns)
Incident Energy (MeV)
15
37-Rb-81


MAT 3713
(n,p)
37-Rb-81
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
16
37-Rb-81


MAT 3713
(n,He-3)
37-Rb-81
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
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
17
Incident Energy (MeV)
37-Rb-81


MAT 3713
(n,p) α
37-Rb-81
Radionuclide Production Cross Section
35-Br-77g
35-Br-77m1
Cross Section (barns)
Incident Energy (MeV)
18
37-Rb-81


MAT 3713
(n,p) d
37-Rb-81
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
Incident Energy (MeV)
19
37-Rb-81


MAT 3713
(n,d) α
37-Rb-81
Radionuclide Production Cross Section
35-Br-76g
35-Br-76m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
37-Rb-81