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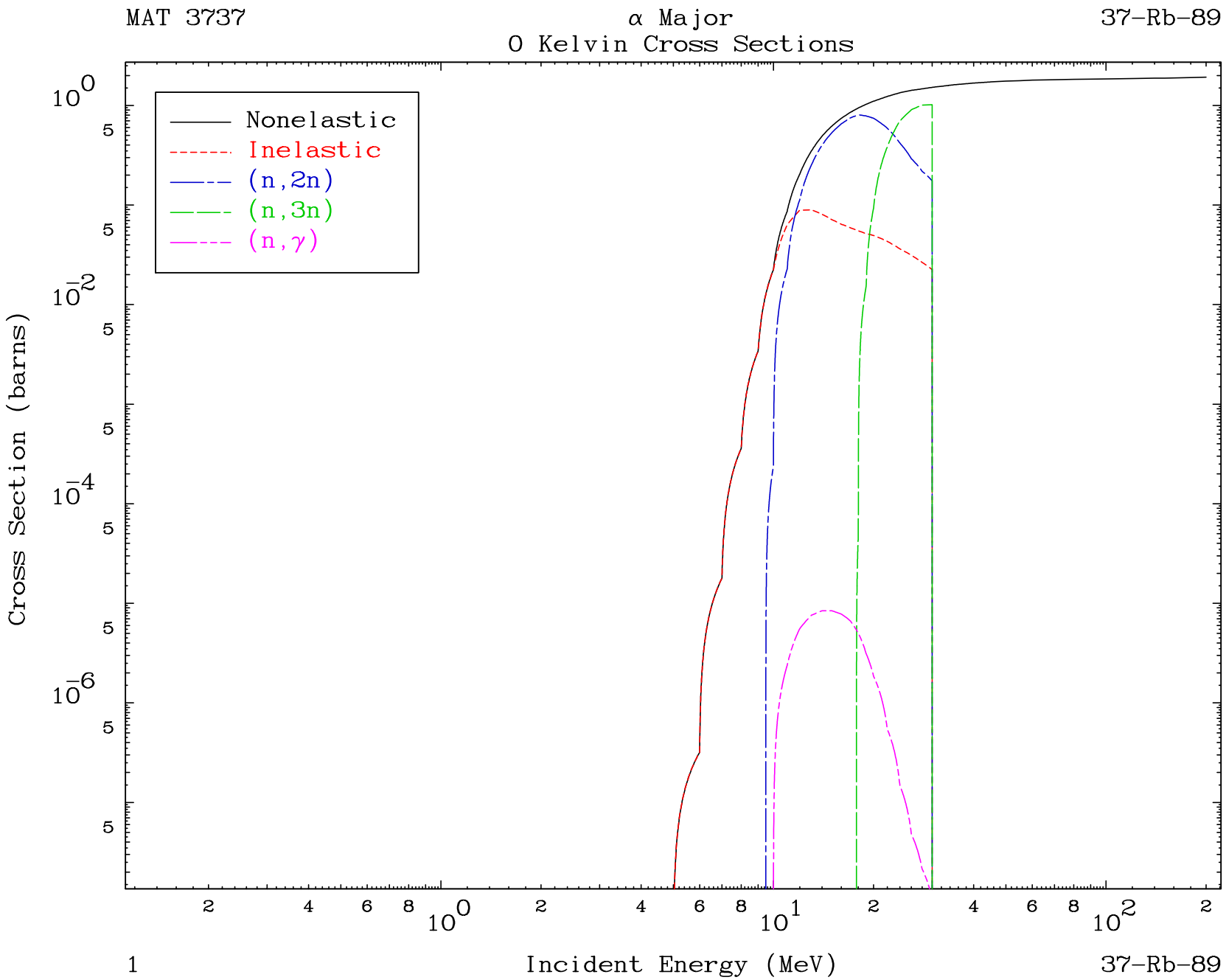
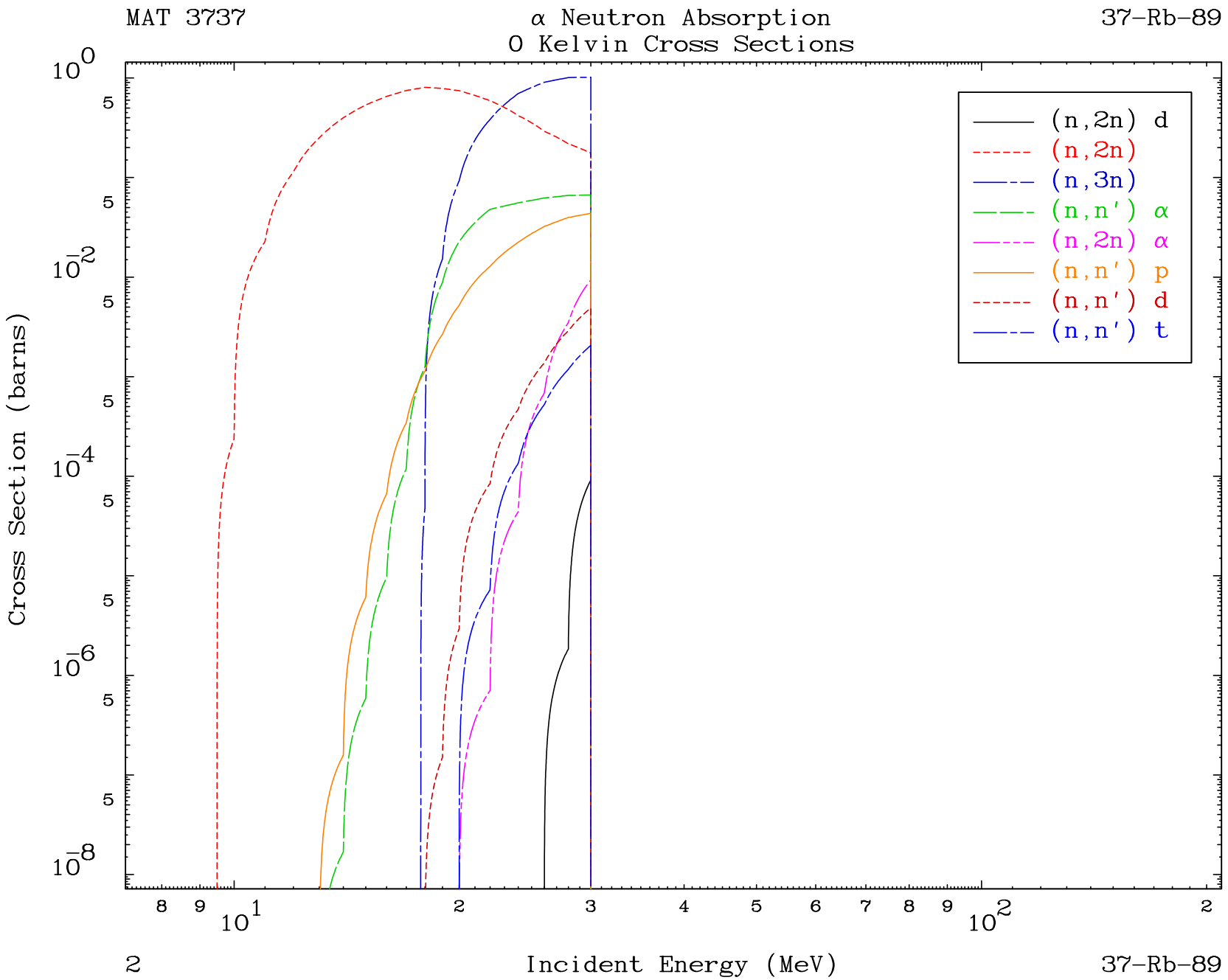
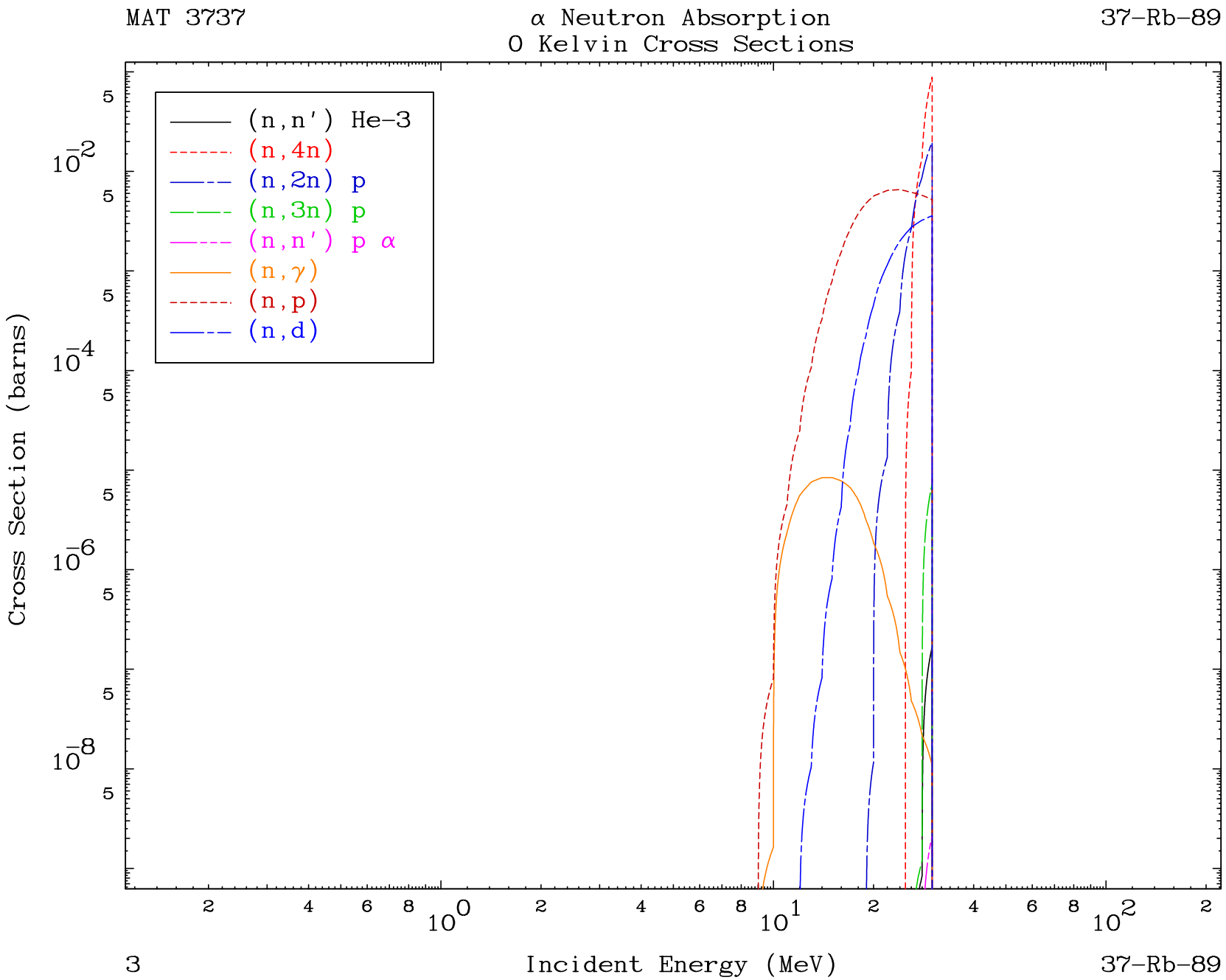
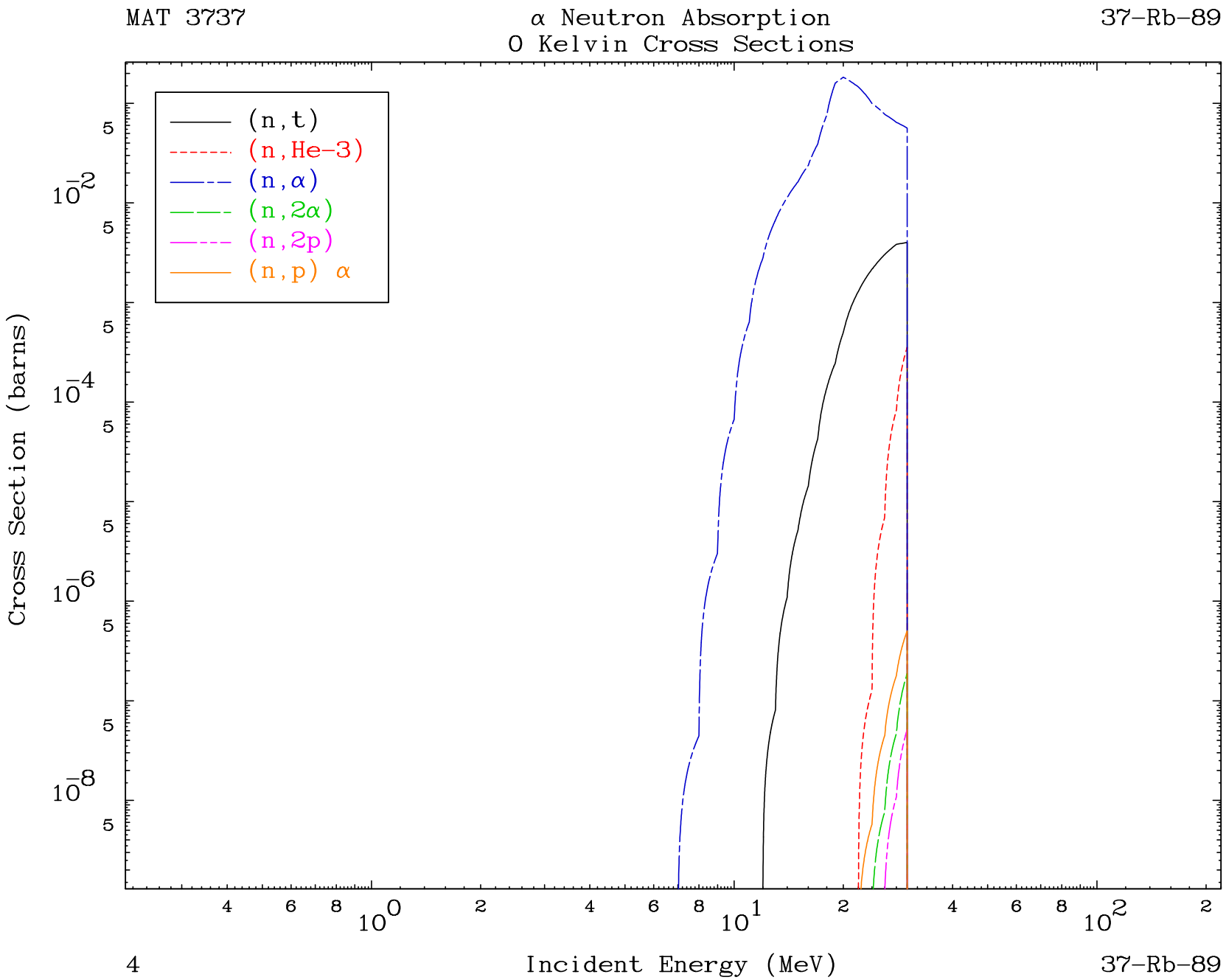
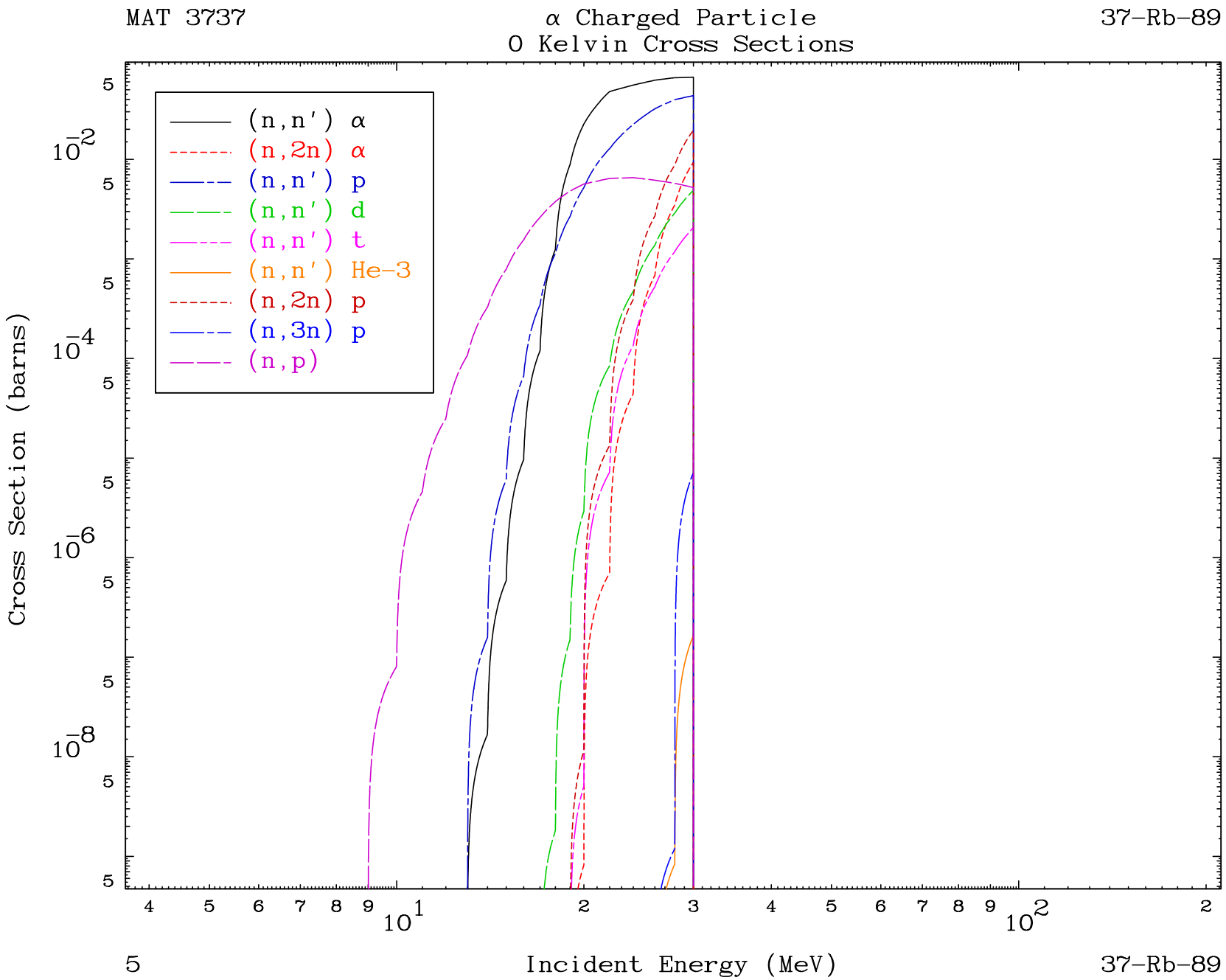
Press Mouse Button to Start

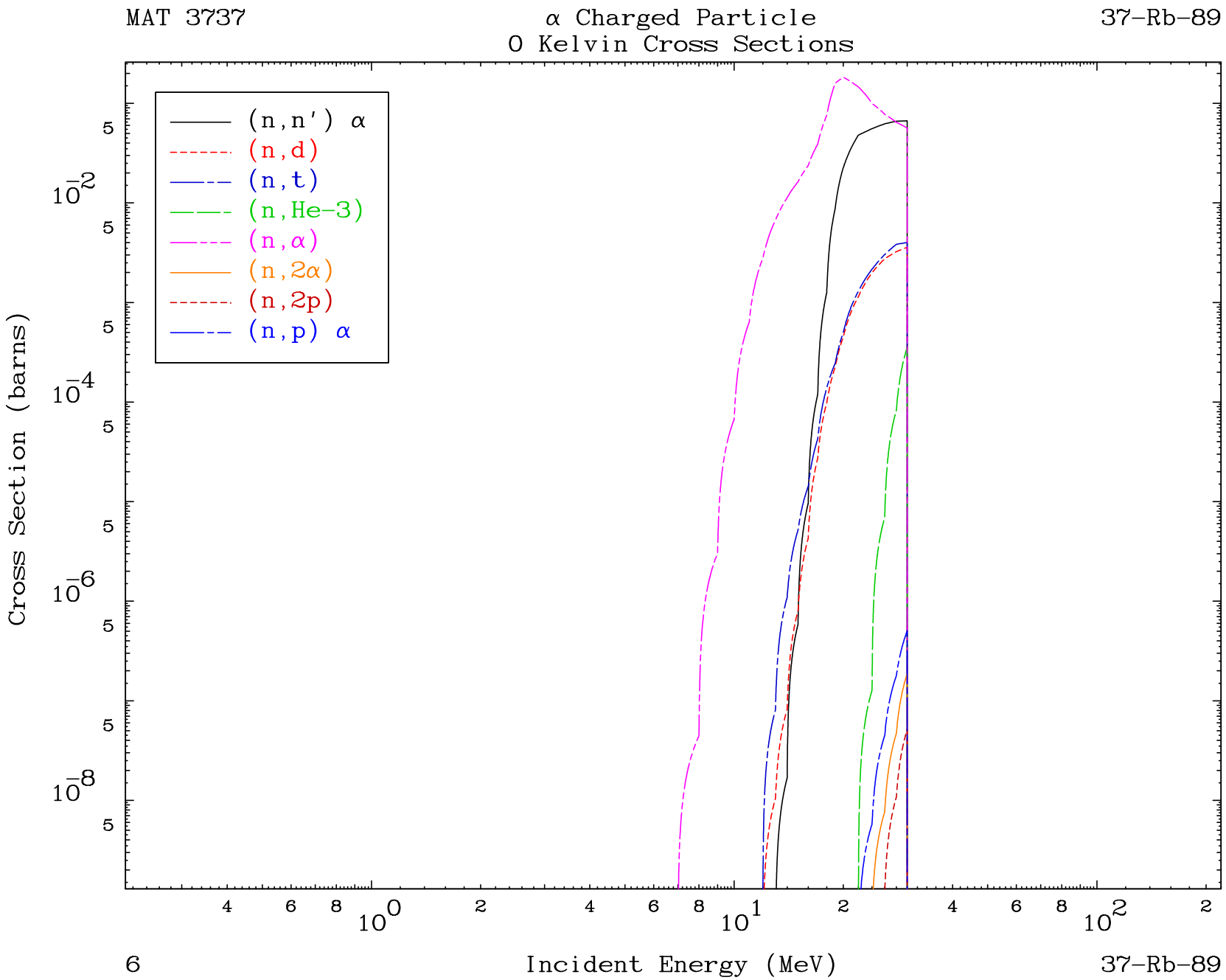

MAT 3737
α Major
37-Rb-89
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-89
1

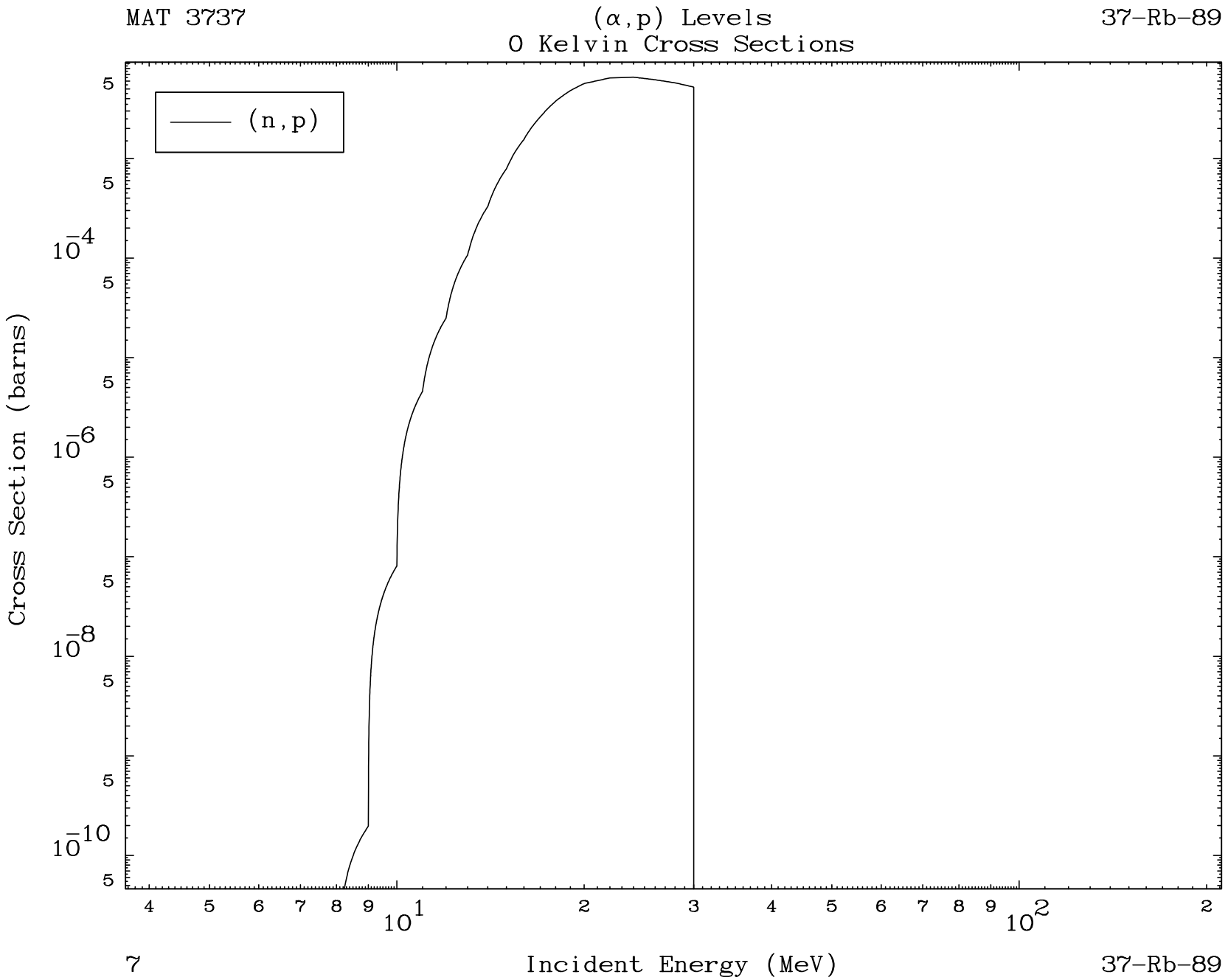

MAT 3737
α Neutron Absorption
0 Kelvin Cross Sections
37-Rb-89
Cross Section (barns)
Incident Energy (MeV)
37-Rb-89
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t

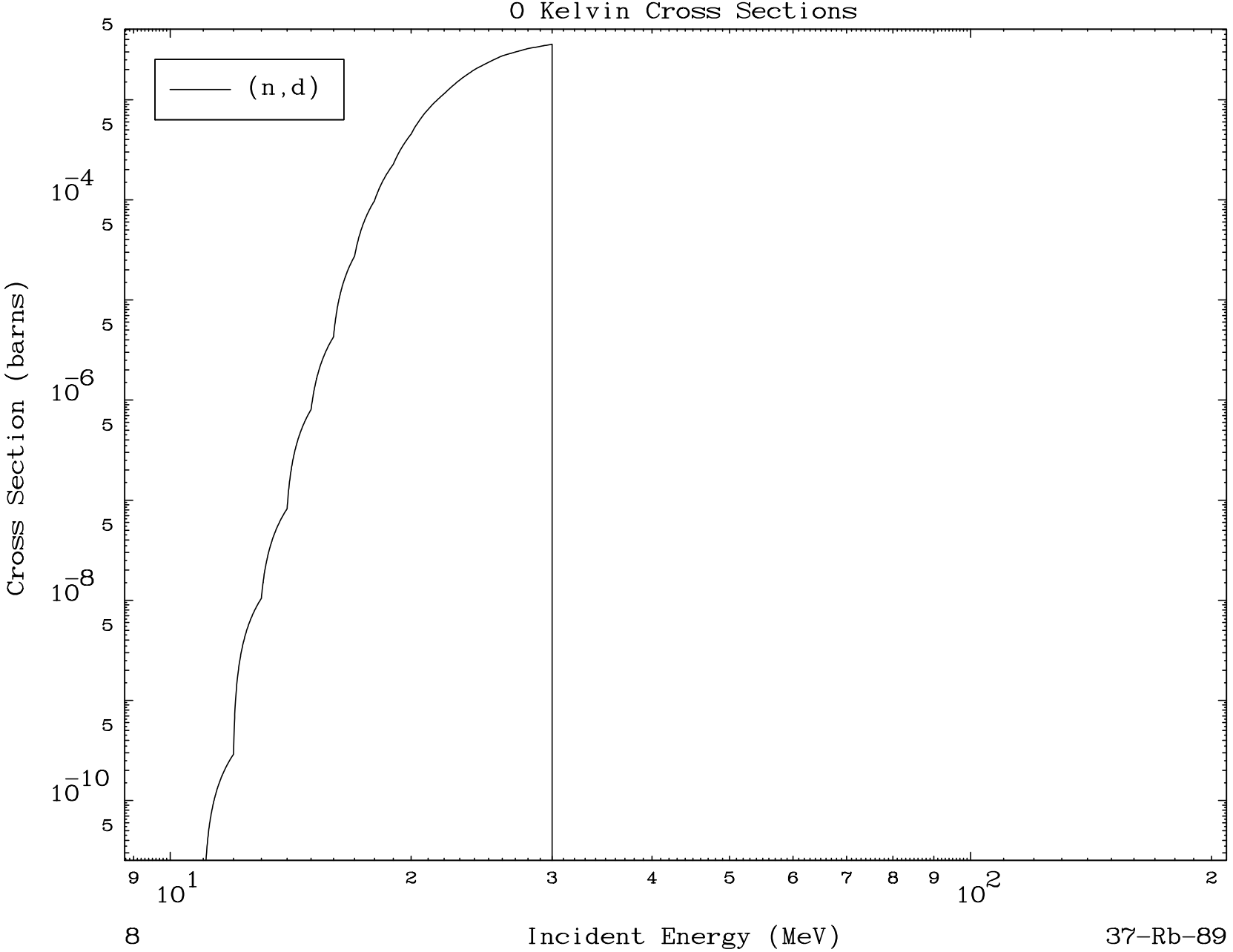

MAT 3737
α Neutron Absorption
0 Kelvin Cross Sections
37-Rb-89
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
37-Rb-89

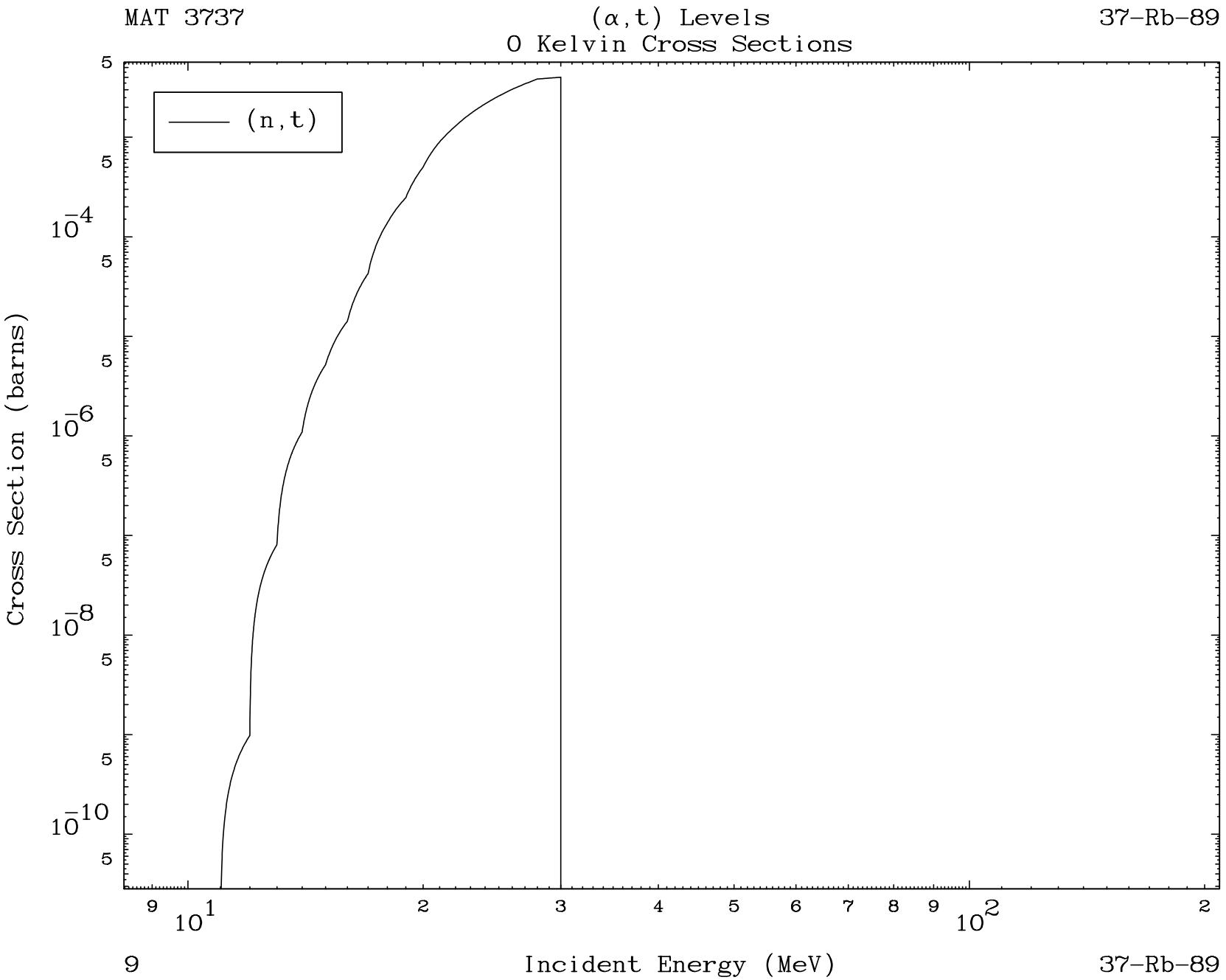

MAT 3737
α Neutron Absorption
0 Kelvin Cross Sections
37-Rb-89
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
4
37-Rb-89

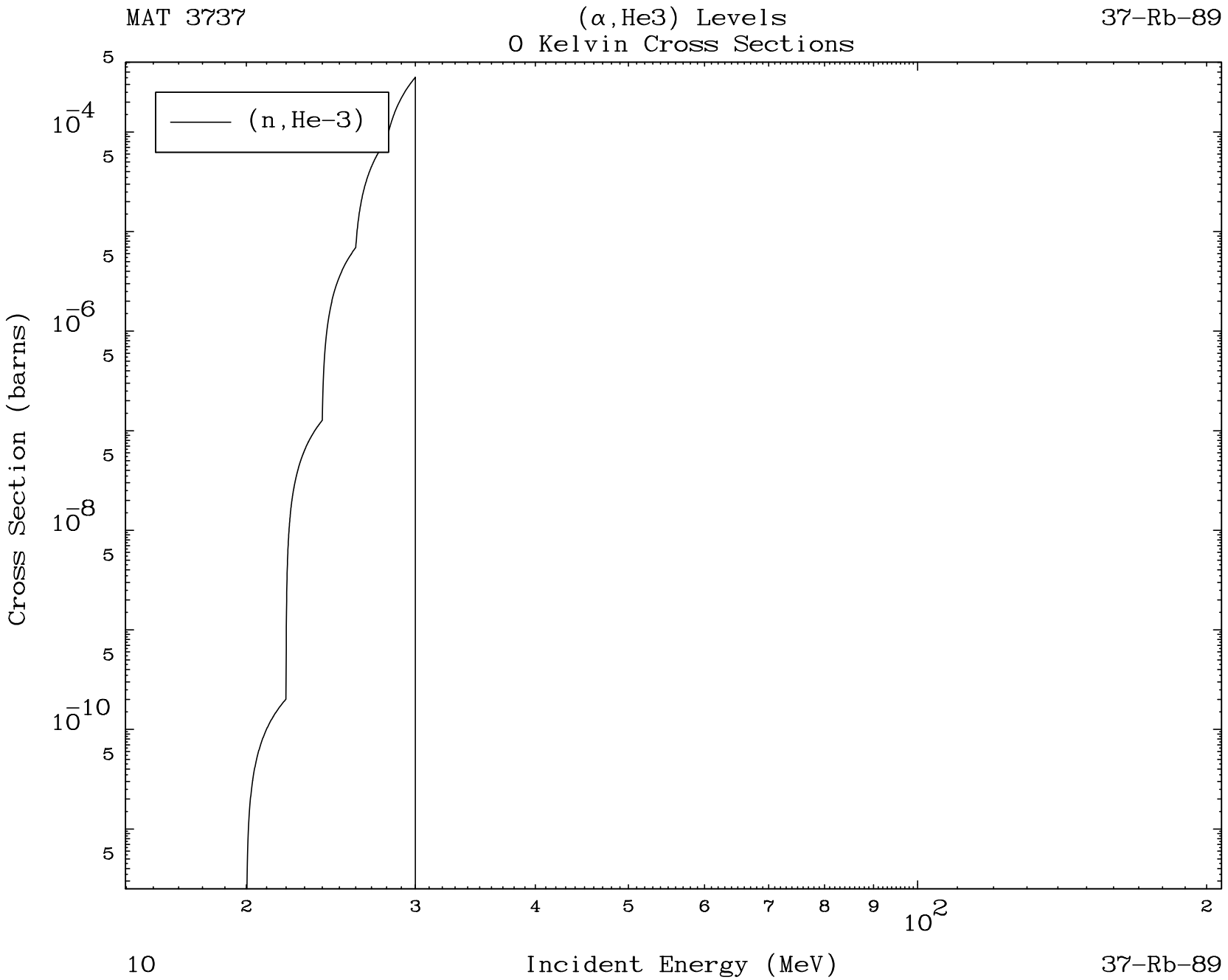

MAT 3737
α Charged Particle
0 Kelvin Cross Sections
37-Rb-89
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-89

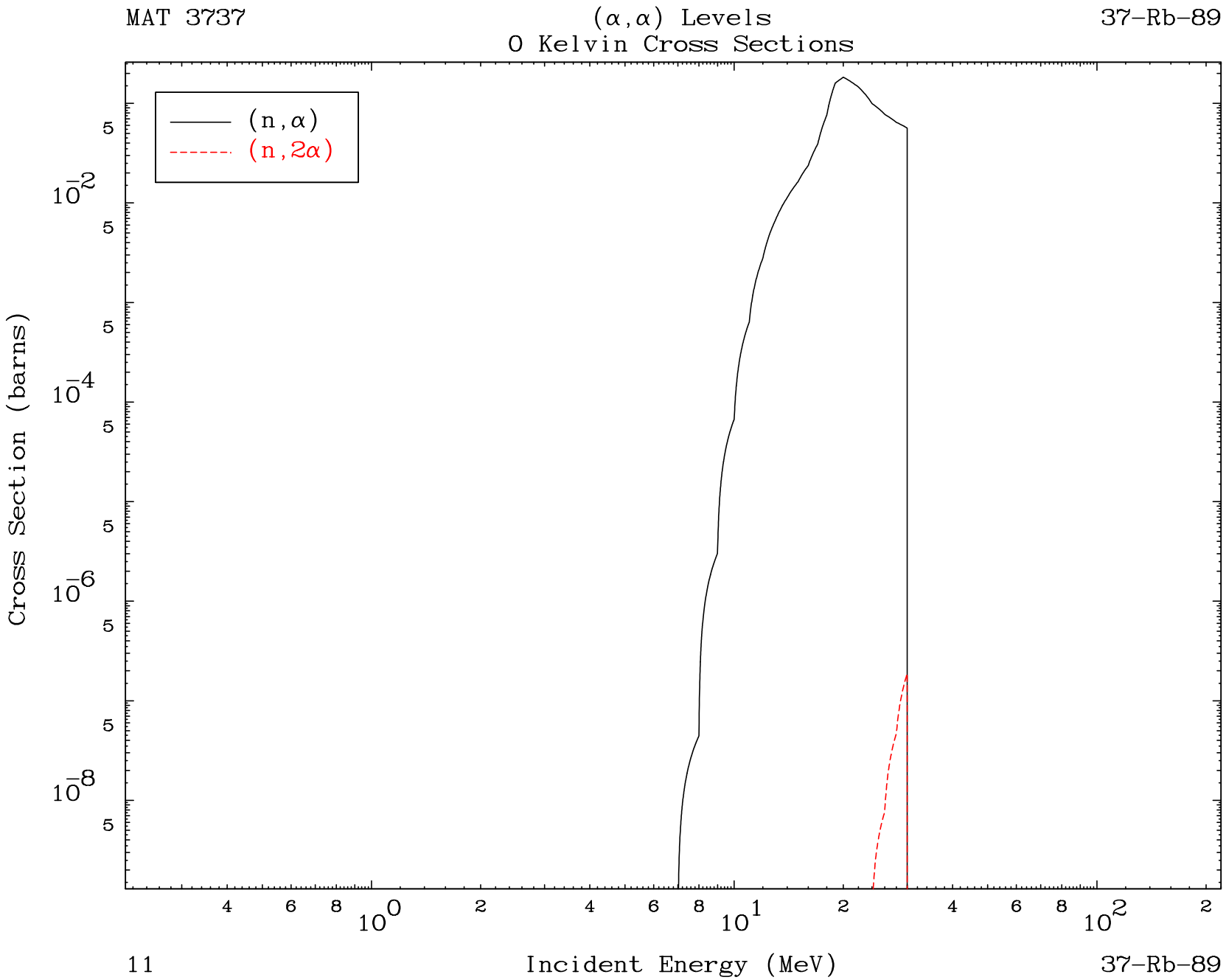

MAT 3737
α Charged Particle
0 Kelvin Cross Sections
37-Rb-89
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
6
37-Rb-89

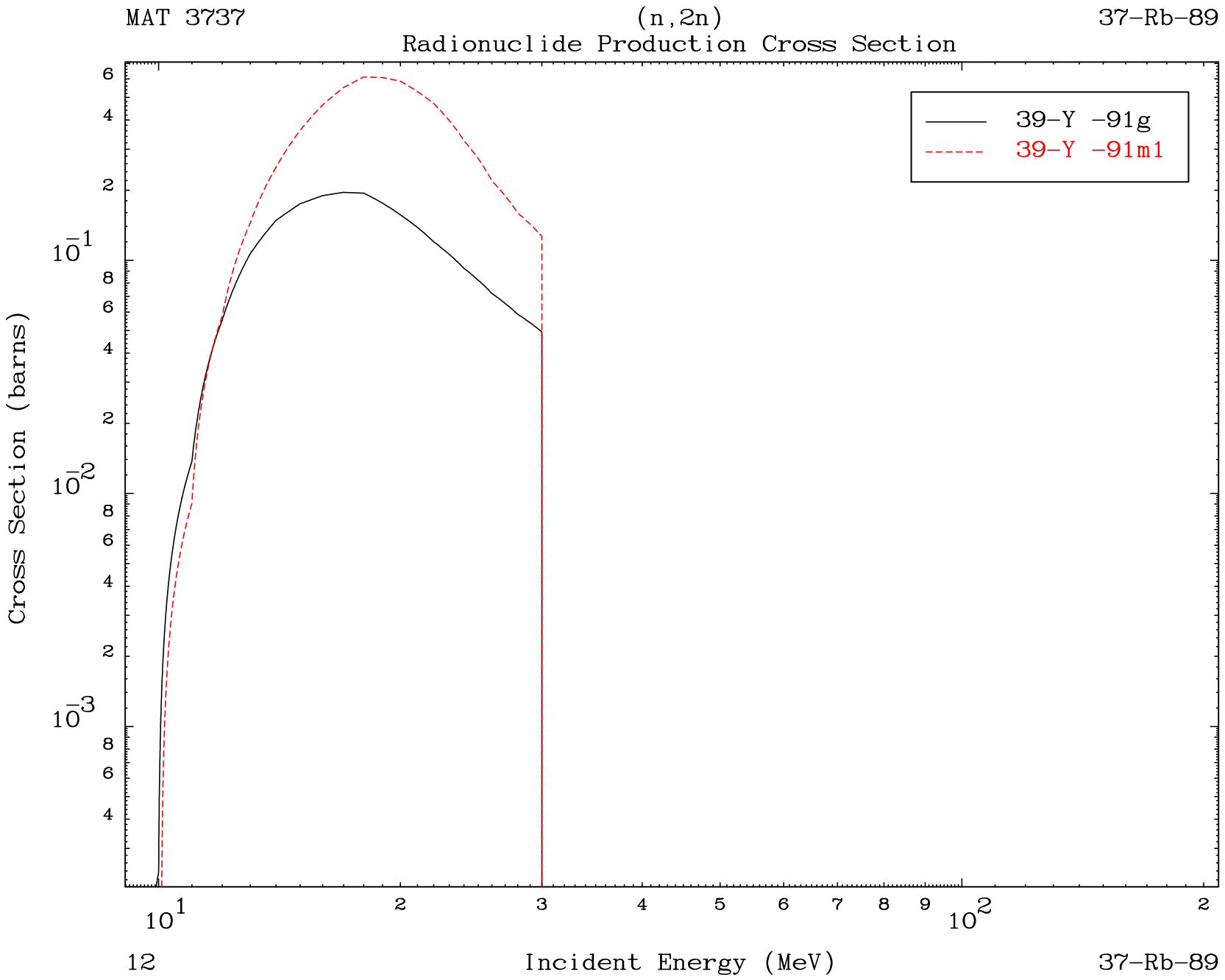

MAT 3737
(α,p) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
7
37-Rb-89

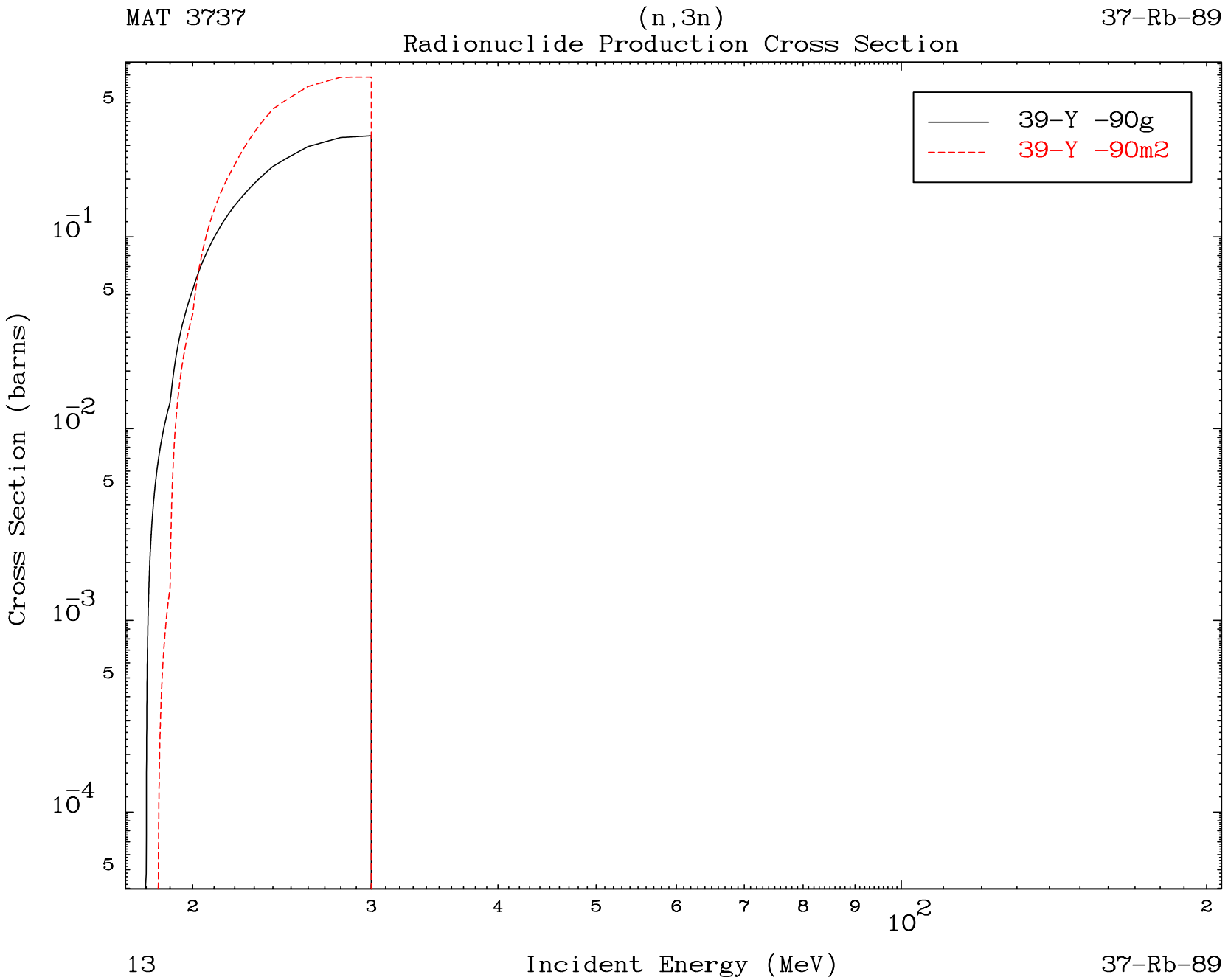

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
10^-4
10^-6
10^-8
10^-10
10^1
10^2

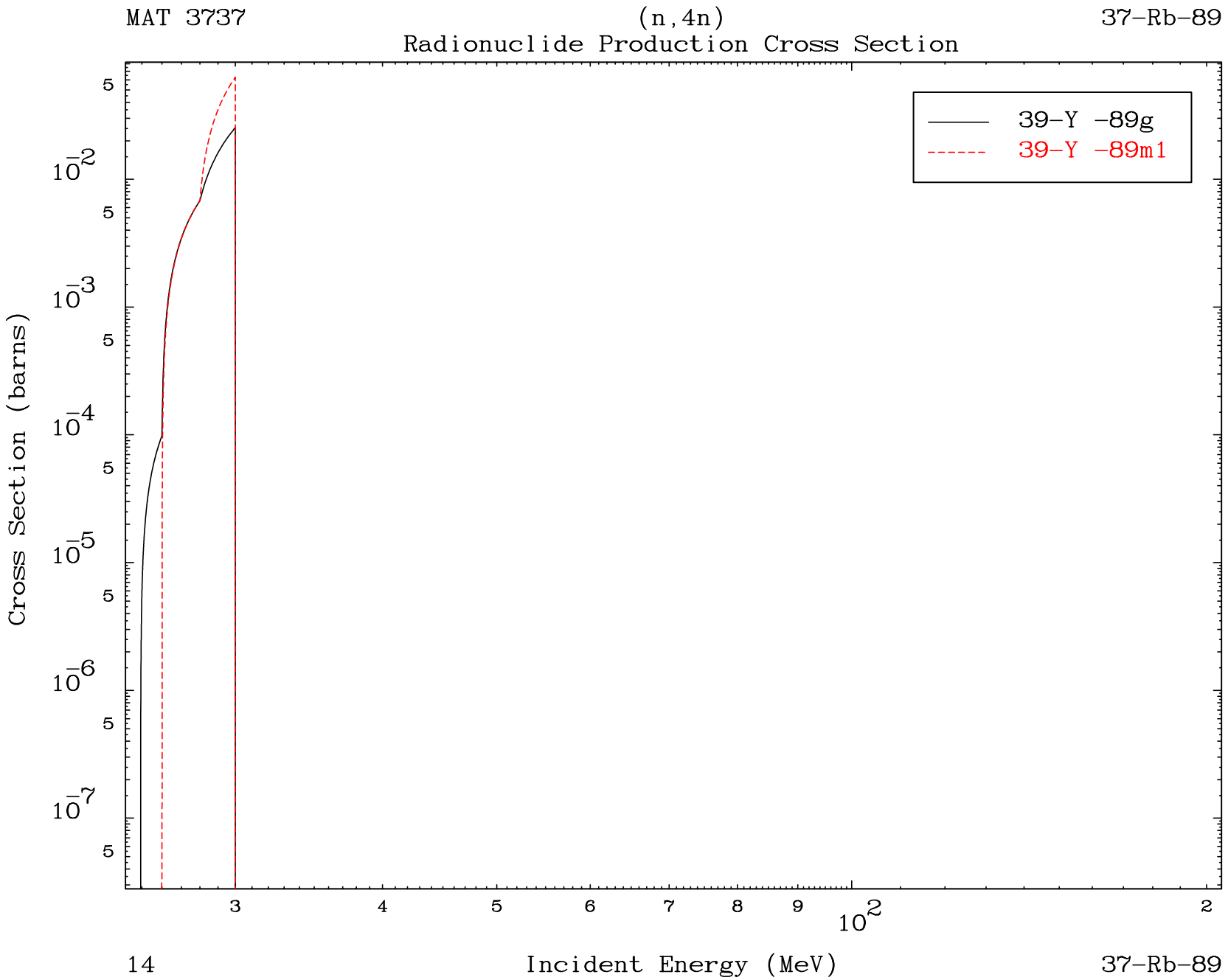

MAT 3737
(α,t) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-89
9

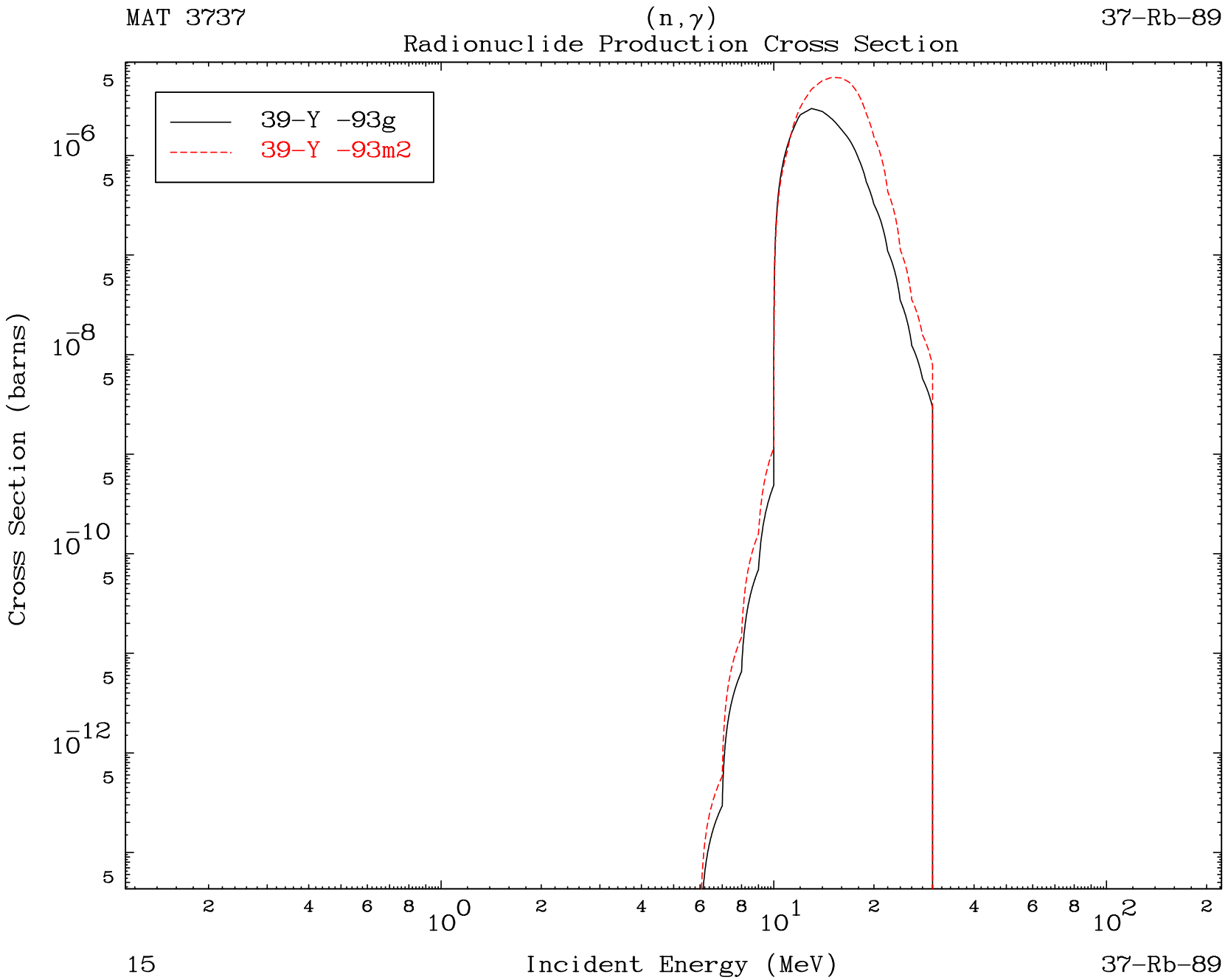

MAT 3737
(α,He3) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
10
37-Rb-89

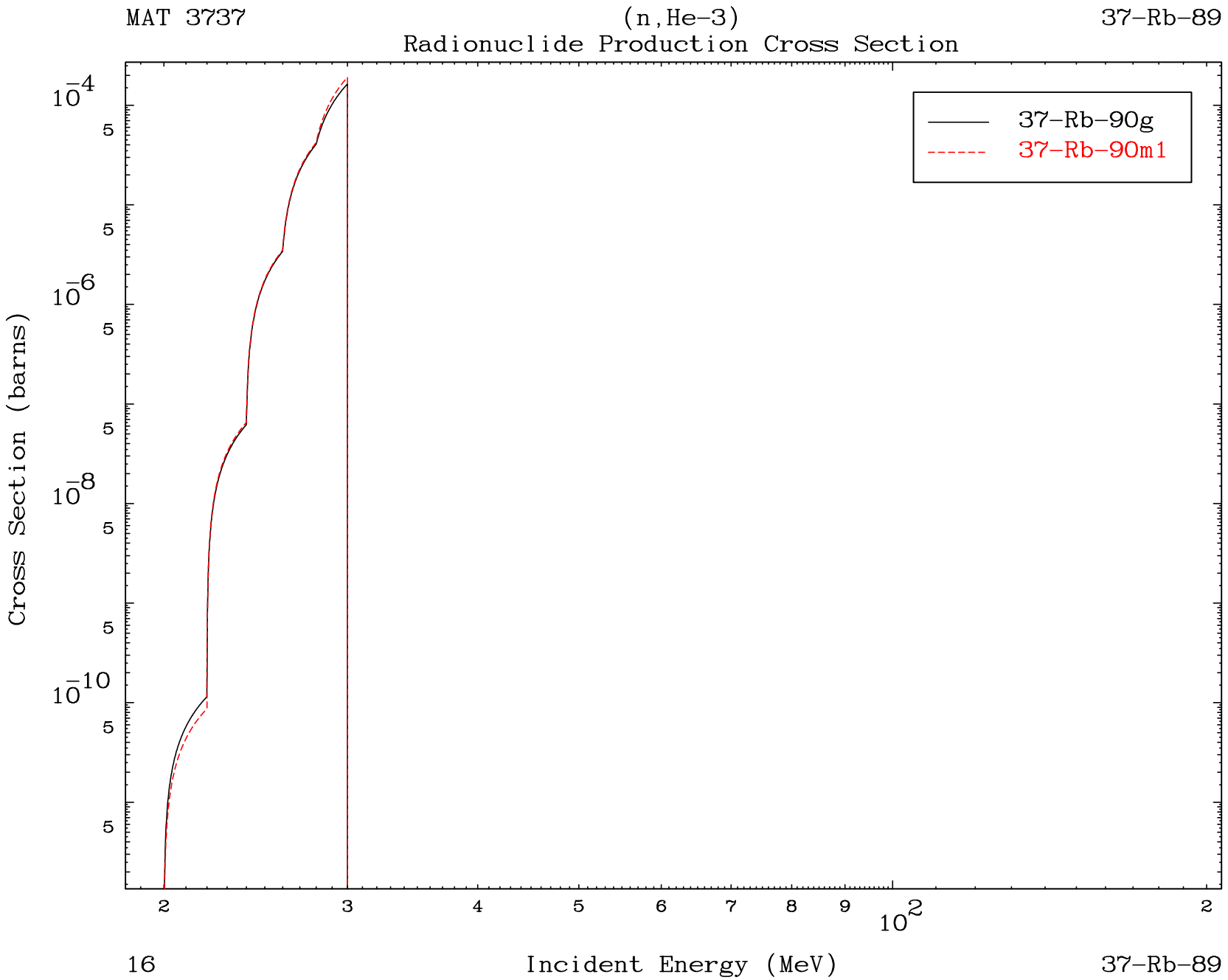

MAT 3737
(α,α) Levels
37-Rb-89
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
11
37-Rb-89


MAT 3737
(n,2n)
37-Rb-89
Radionuclide Production Cross Section
39-Y -91g
39-Y -91m1
Cross Section (barns)
Incident Energy (MeV)
12
37-Rb-89


MAT 3737
(n,3n)
37-Rb-89
Radionuclide Production Cross Section
39-Y -90g
39-Y -90m2
Cross Section (barns)
10-1
10-2
10-3
10-4
5
2
3
4
6
7
8
9
10+2
Incident Energy (MeV)
13
37-Rb-89


MAT 3737
(n,4n)
37-Rb-89
Radionuclide Production Cross Section
39-Y -89g
39-Y -89m1
Cross Section (barns)
Incident Energy (MeV)
14
37-Rb-89


MAT 3737
(n,γ)
37-Rb-89
Radionuclide Production Cross Section
39-Y -93g
39-Y -93m2
Cross Section (barns)
Incident Energy (MeV)
15
37-Rb-89


MAT 3737
(n,He-3)
37-Rb-89
Radionuclide Production Cross Section
37-Rb-90g
37-Rb-90m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
37-Rb-89