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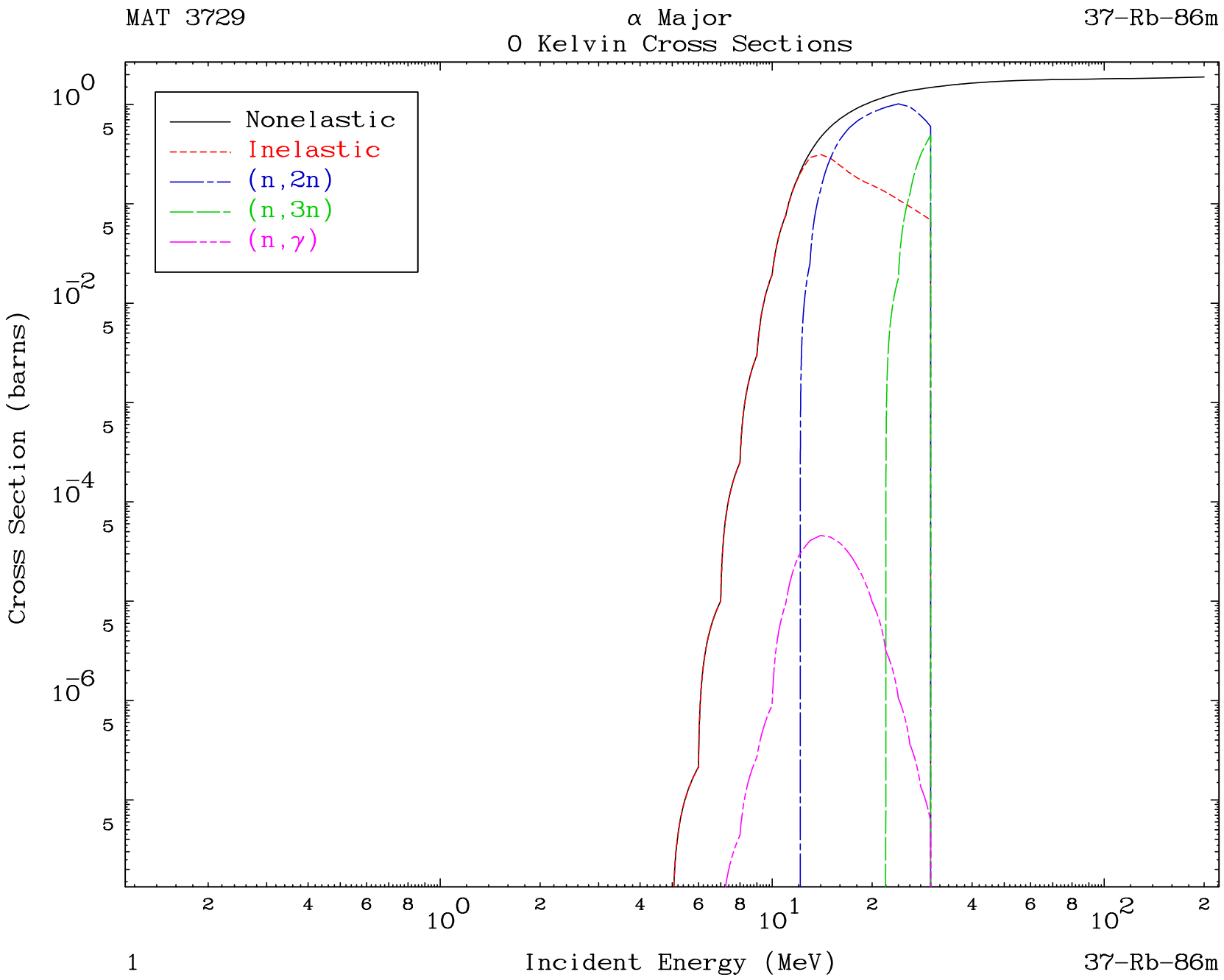
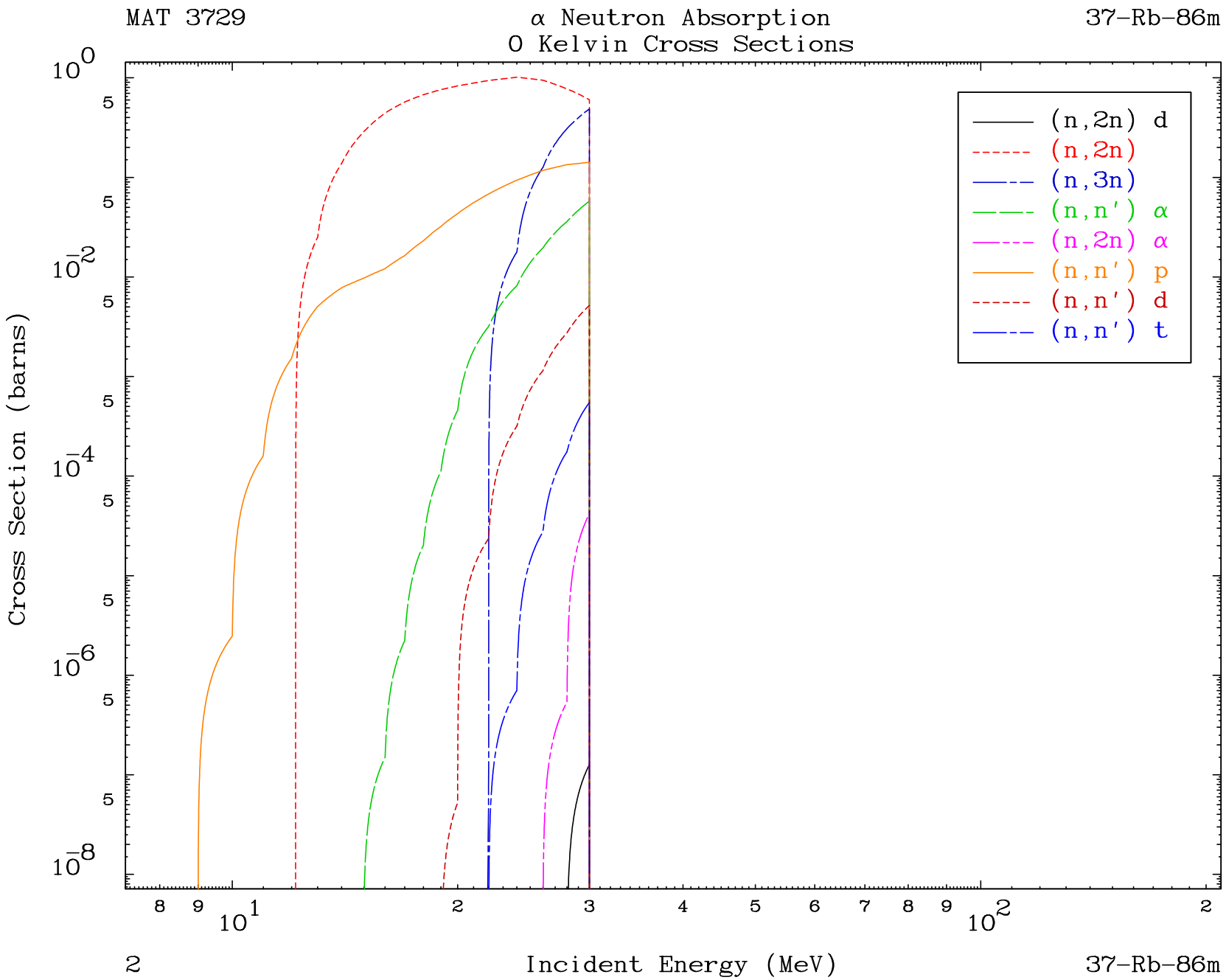
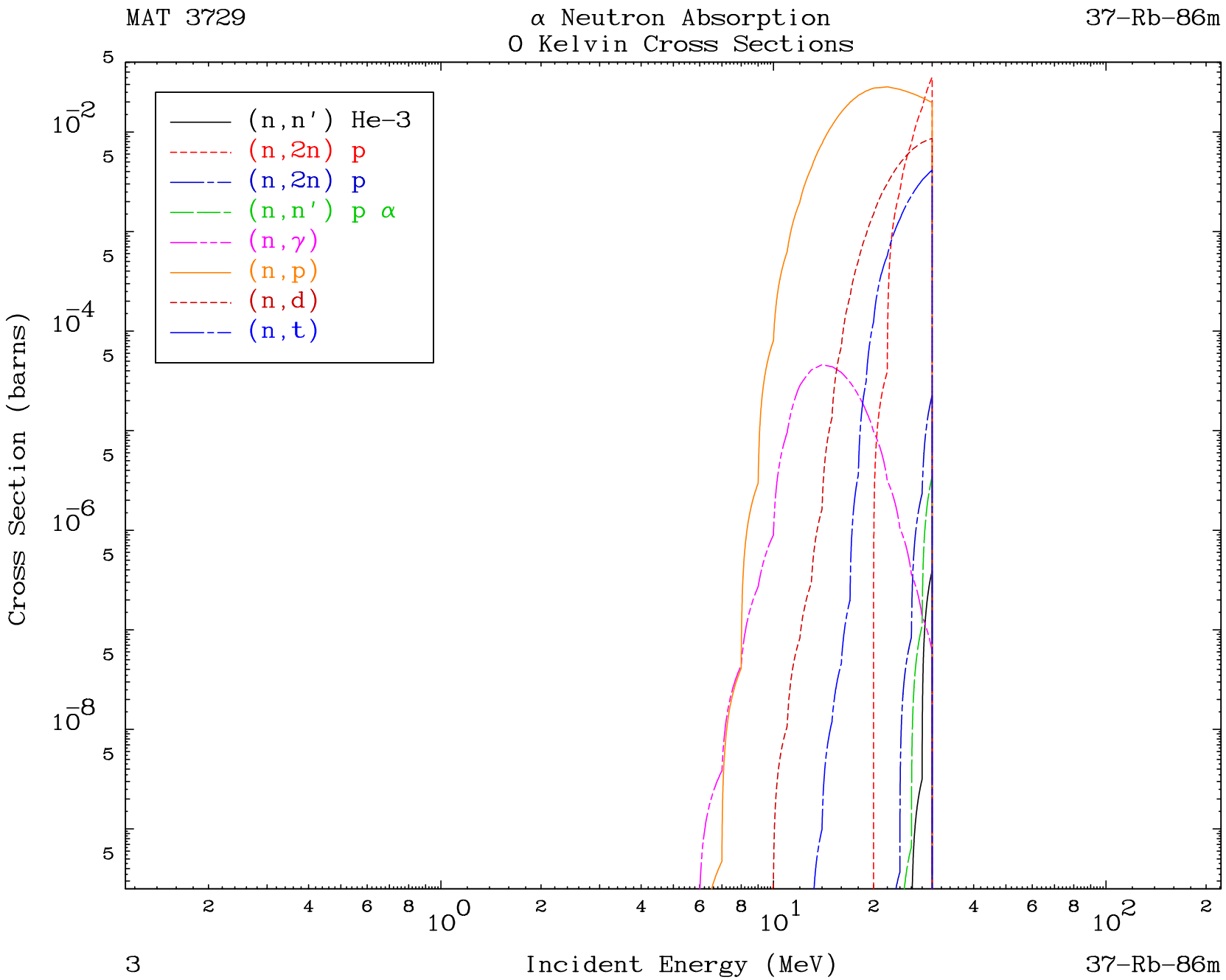
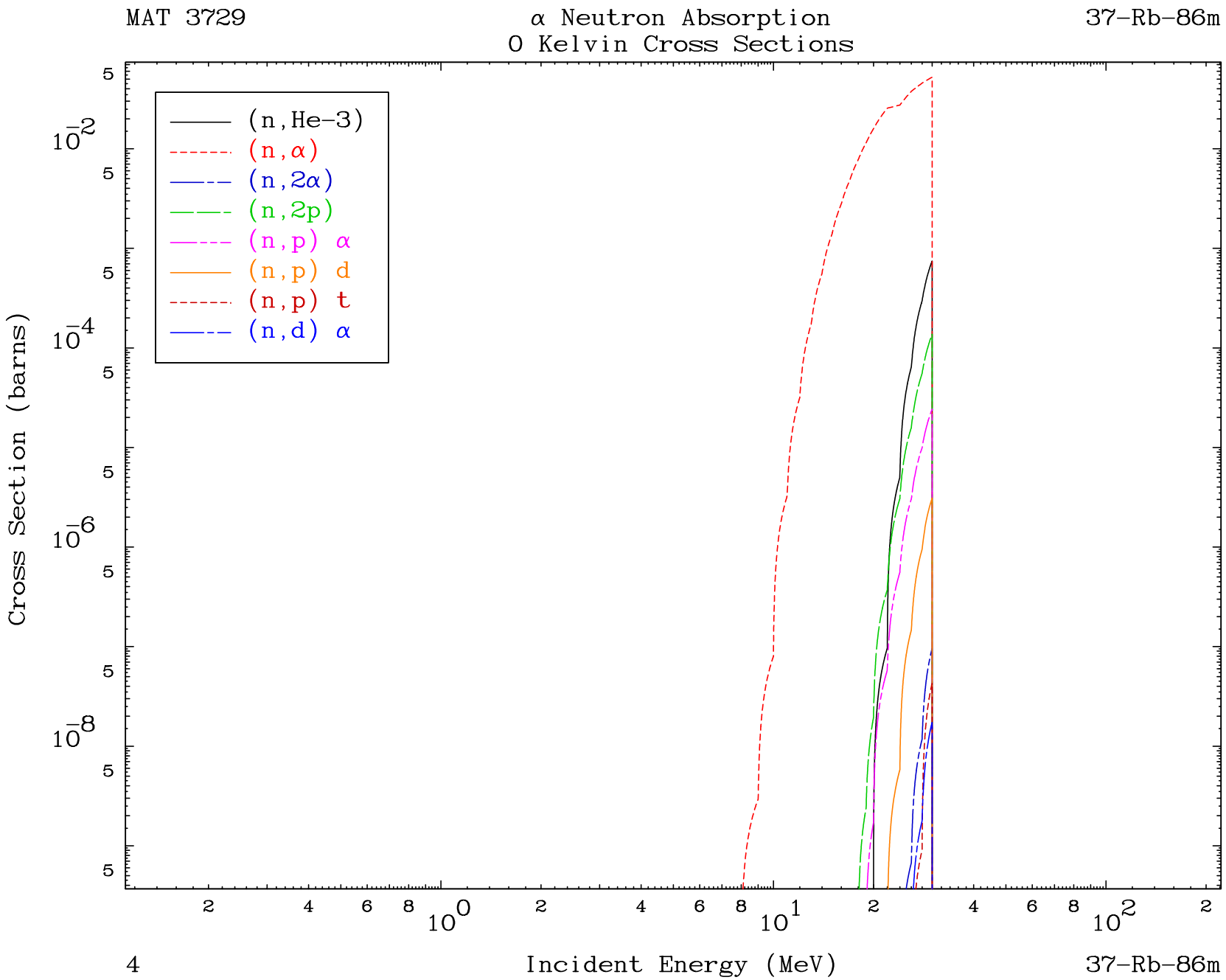
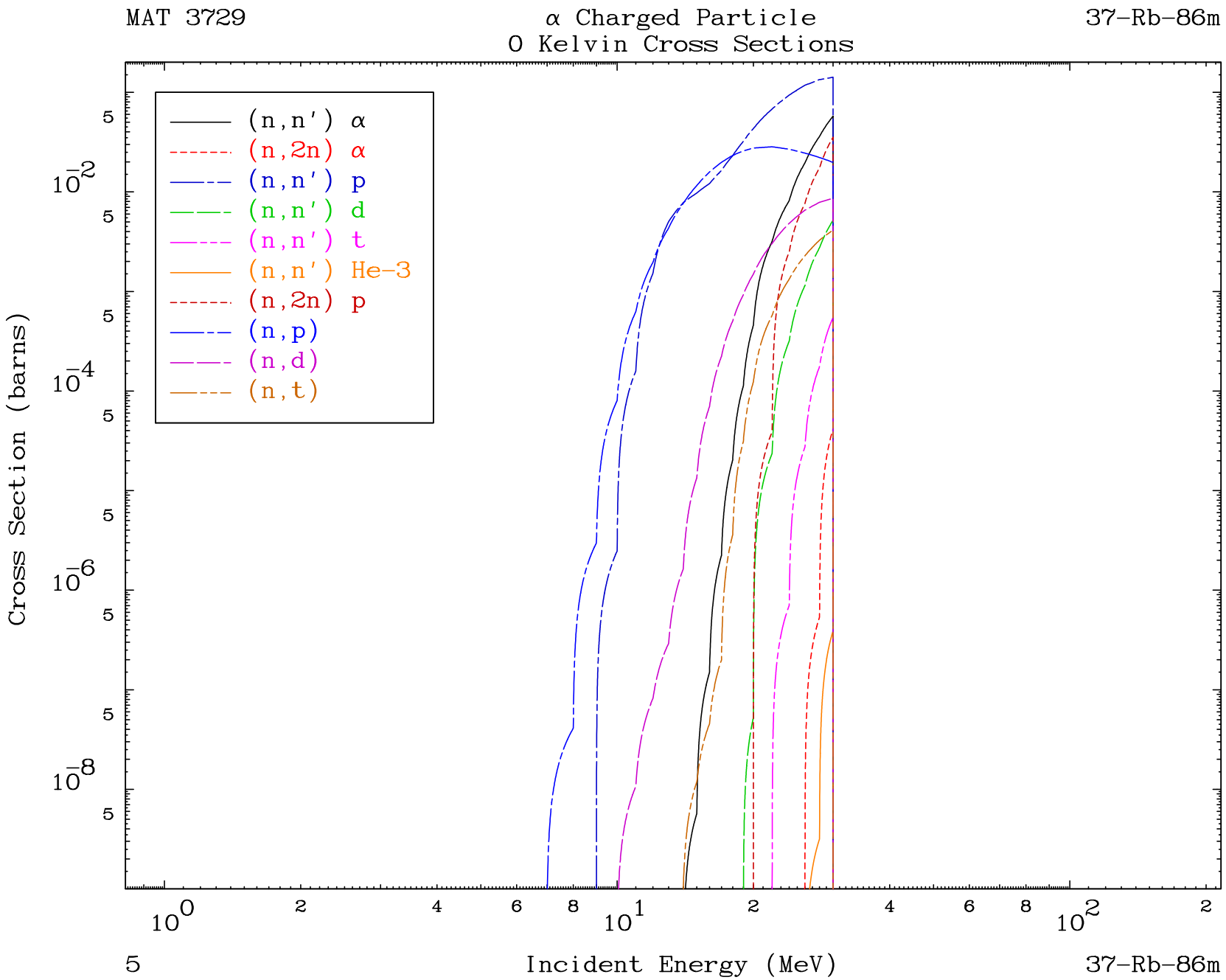
Press Mouse Button to Start

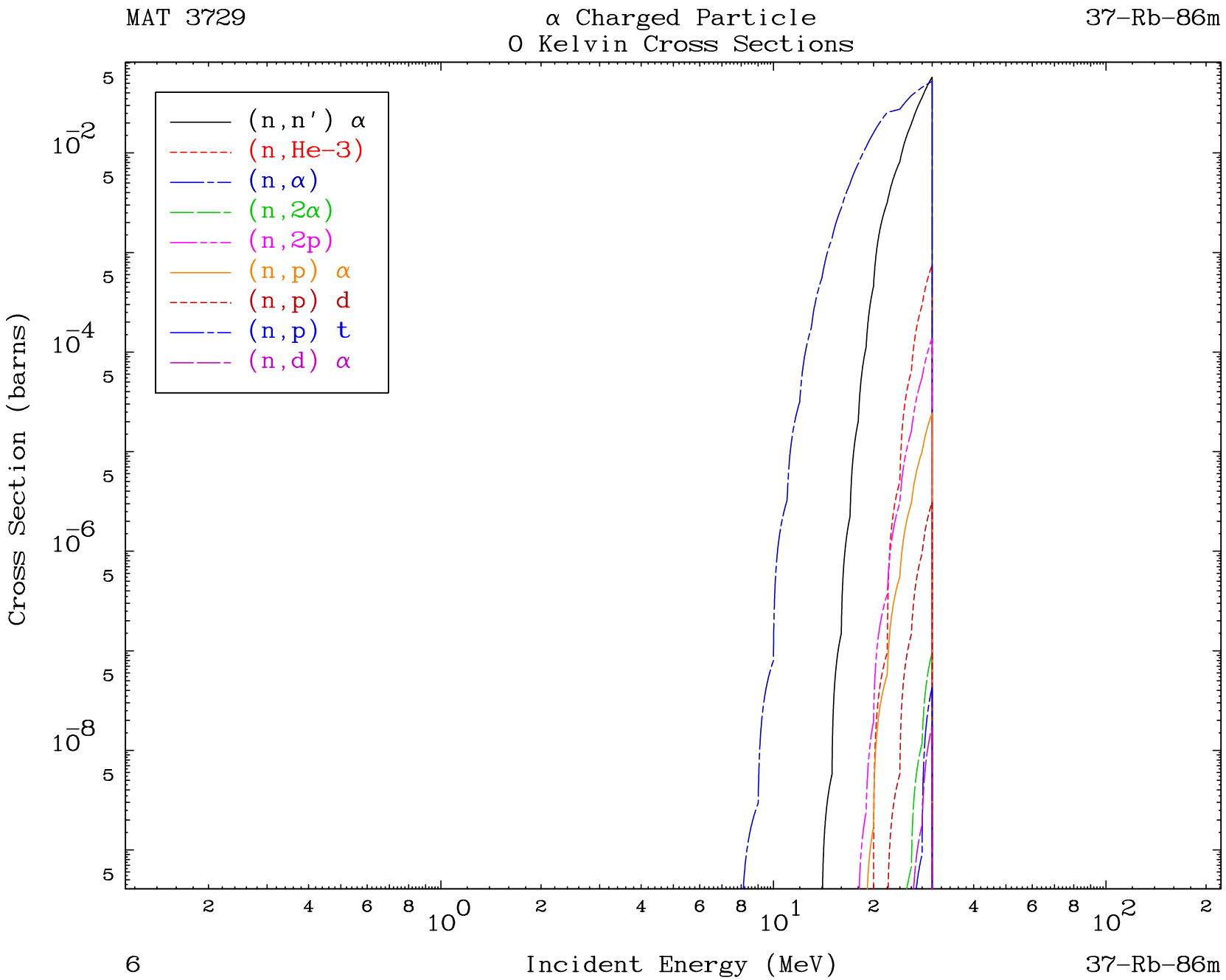

MAT 3729
α Major
37-Rb-86m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-86m

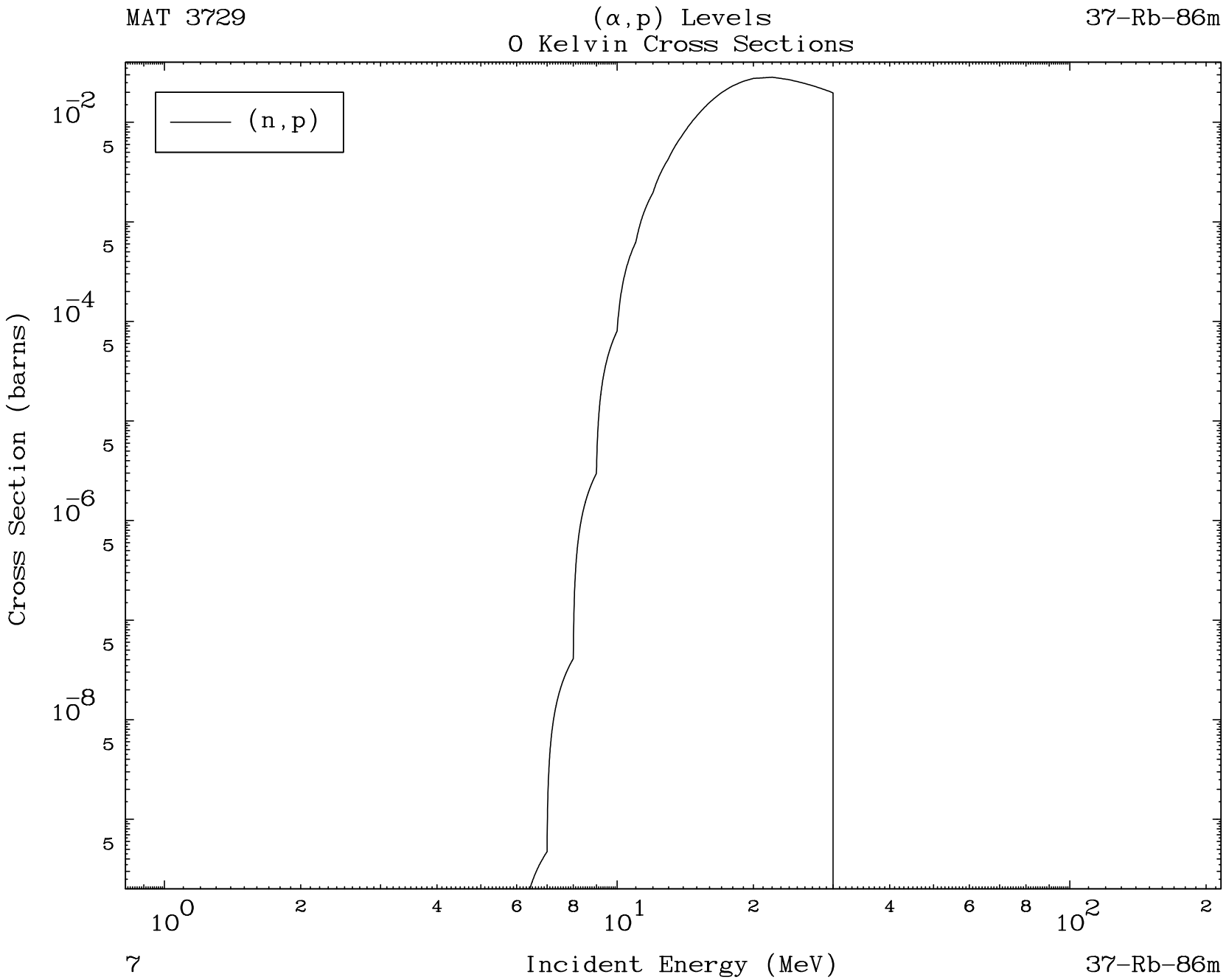

MAT 3729
α Neutron Absorption
0 Kelvin Cross Sections
37-Rb-86m
Cross Section (barns)
Incident Energy (MeV)
37-Rb-86m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t

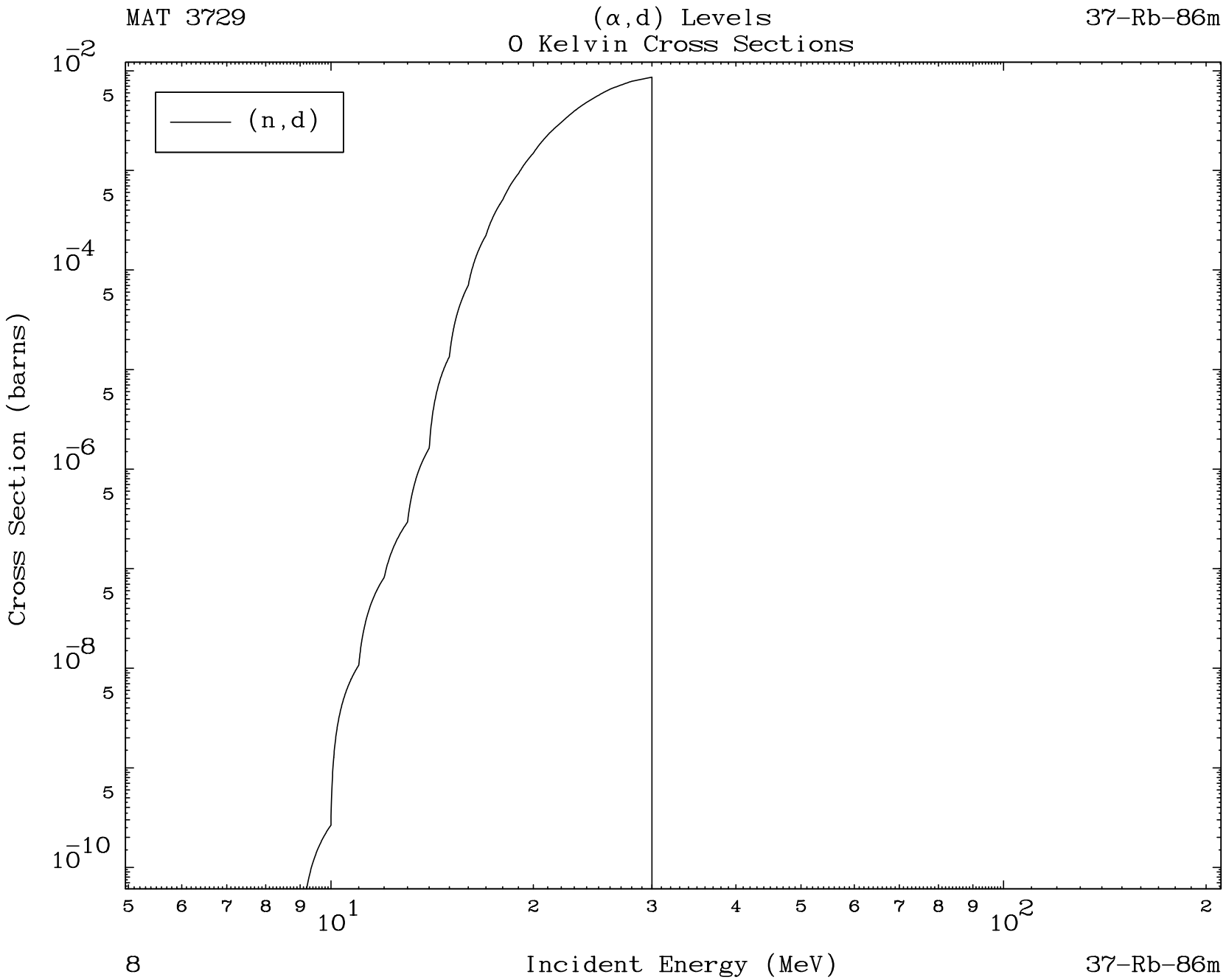

MAT 3729
α Neutron Absorption
0 Kelvin Cross Sections
37-Rb-86m
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
37-Rb-86m

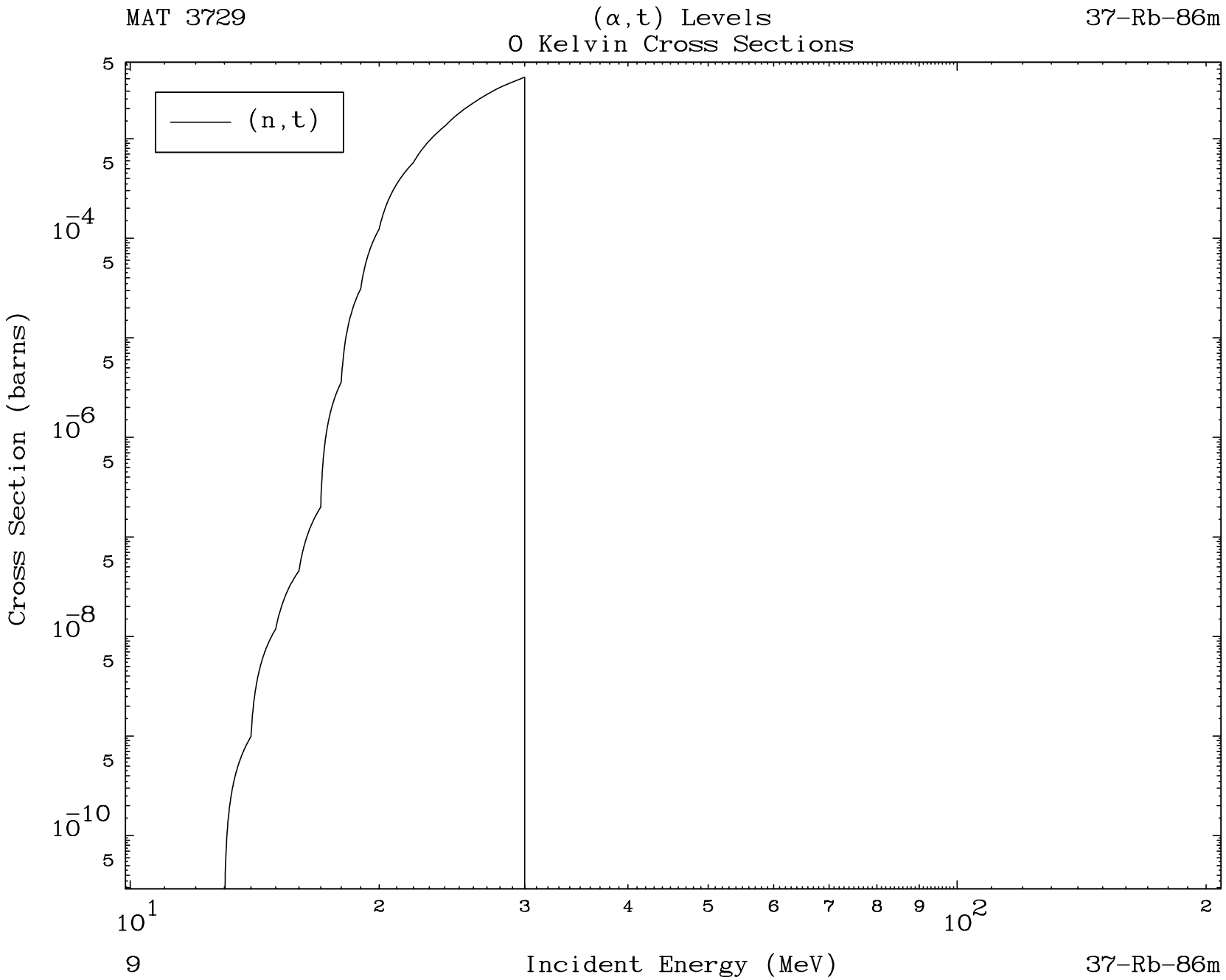

MAT 3729
α Neutron Absorption
0 Kelvin Cross Sections
37-Rb-86m
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
37-Rb-86m

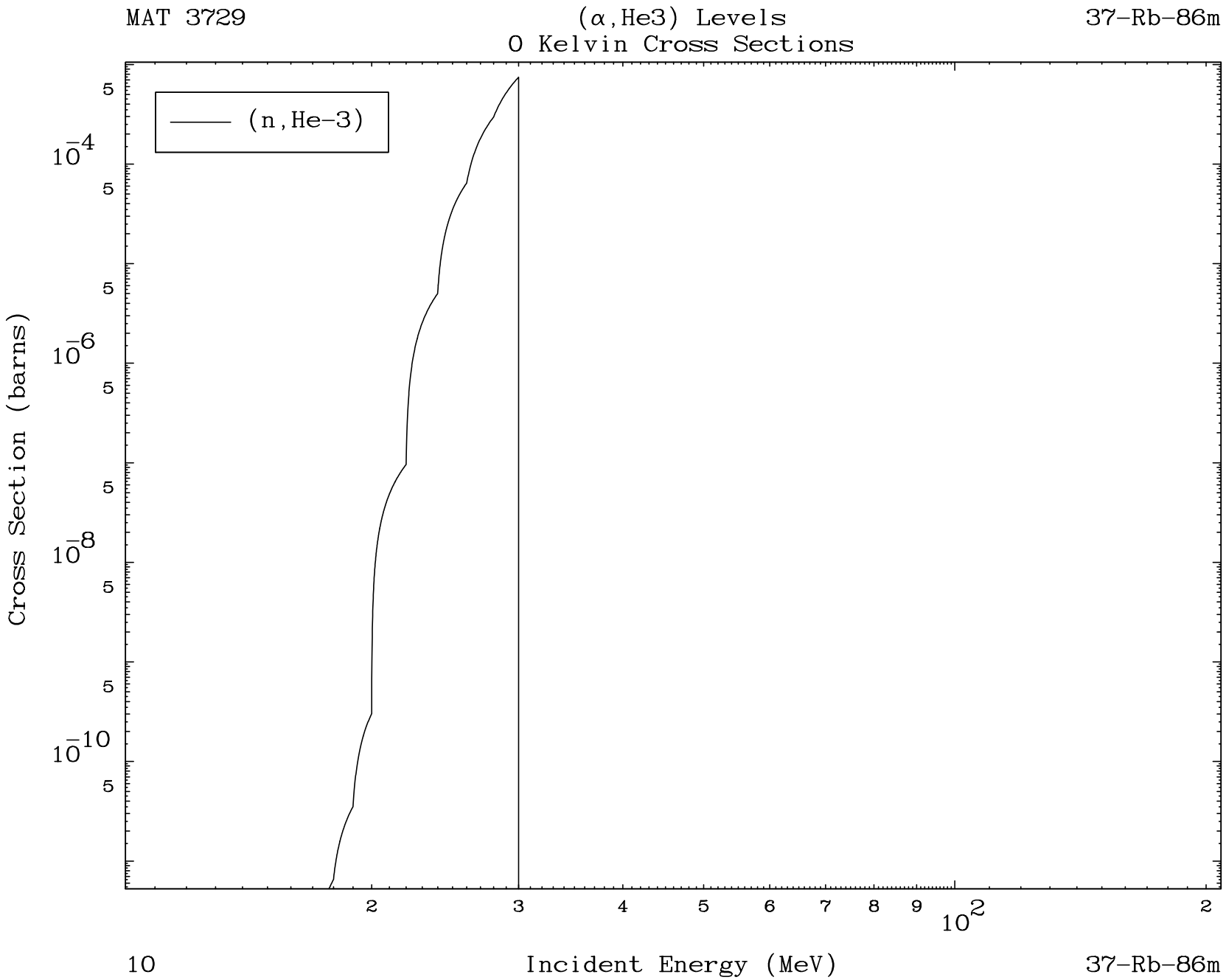

MAT 3729
α Charged Particle
0 Kelvin Cross Sections
37-Rb-86m
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-86m

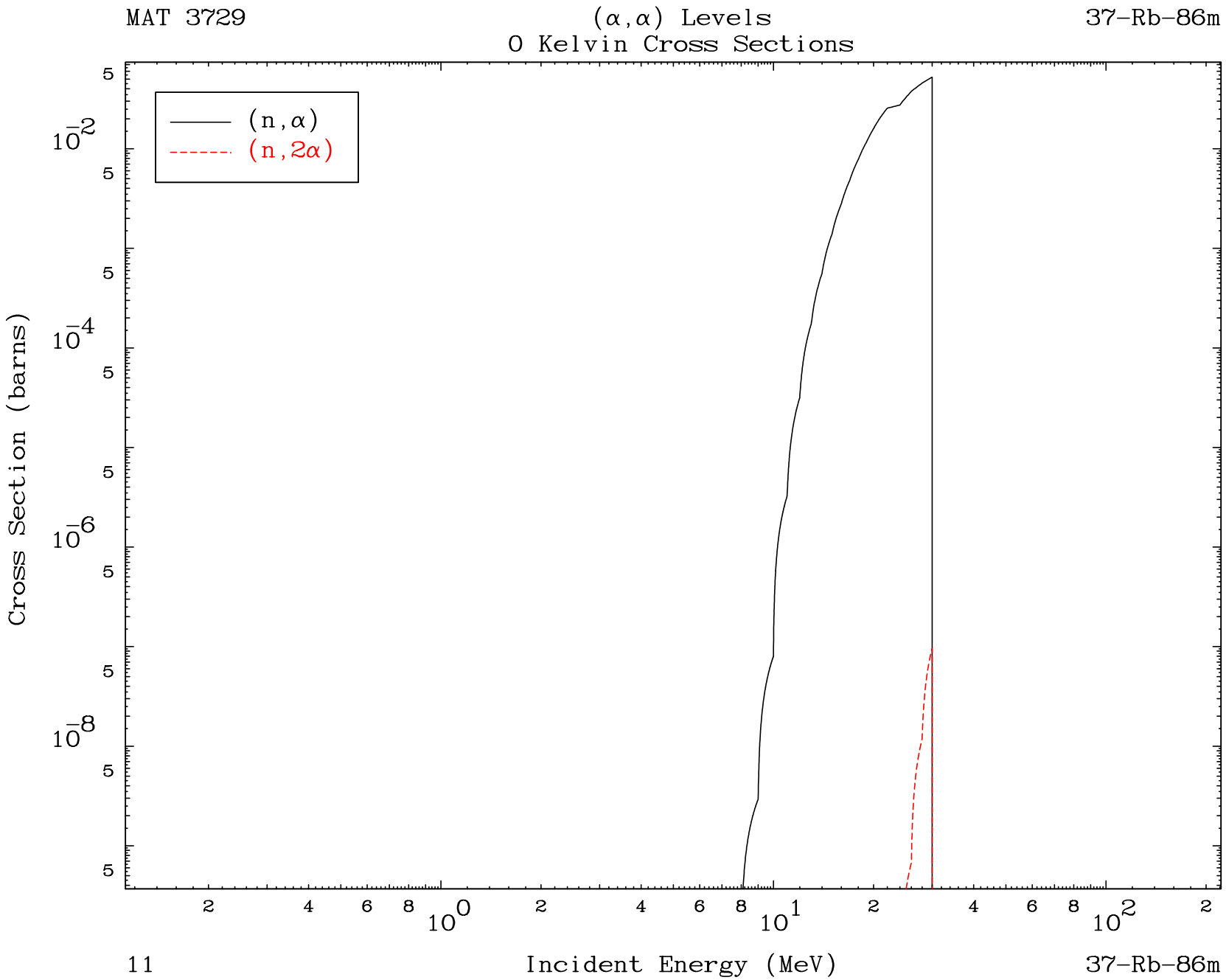

MAT 3729
α Charged Particle
0 Kelvin Cross Sections
37-Rb-86m
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
37-Rb-86m

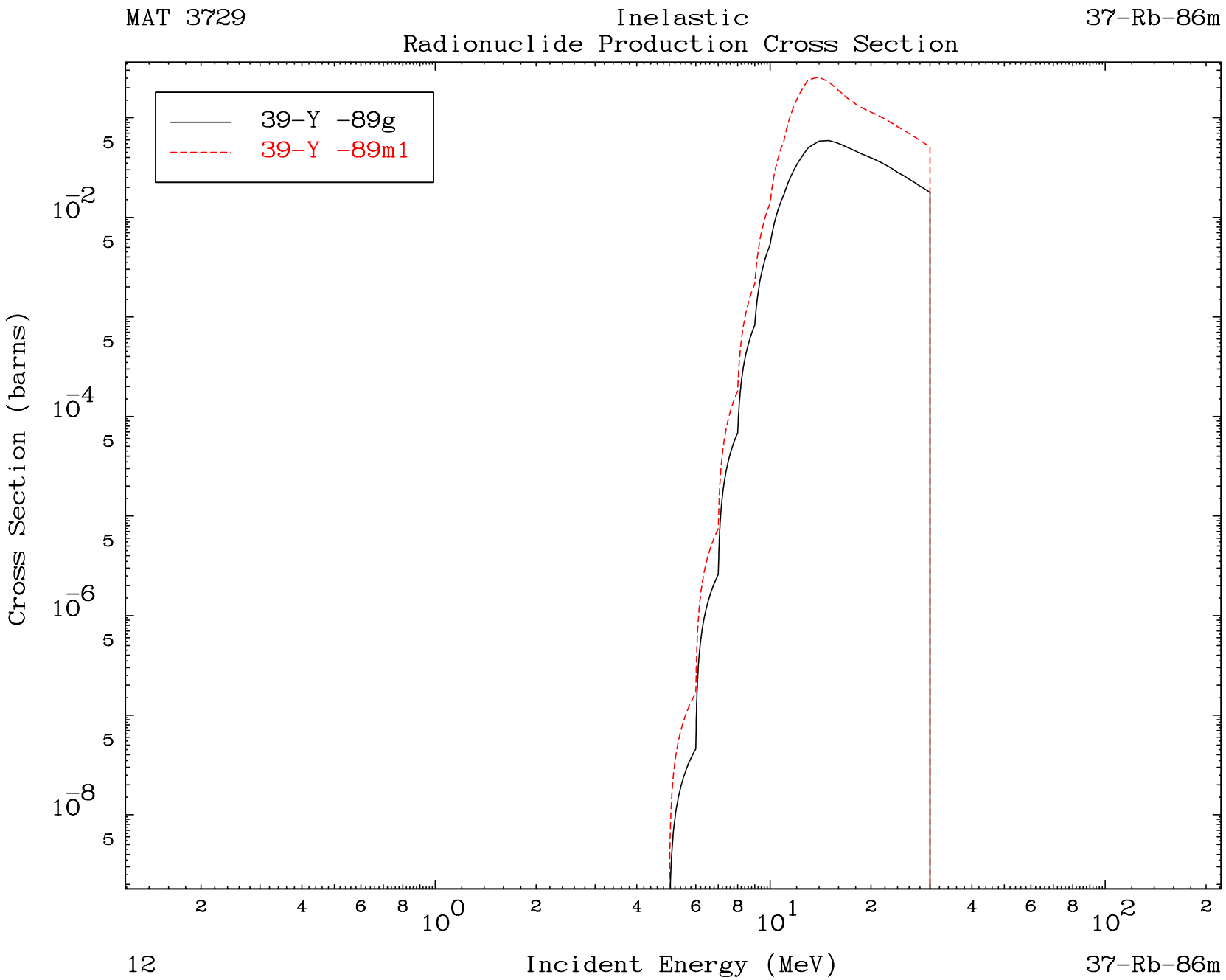

MAT 3729
(α,p) Levels
37-Rb-86m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
2
4
6
8
101
102
7
Incident Energy (MeV)
37-Rb-86m

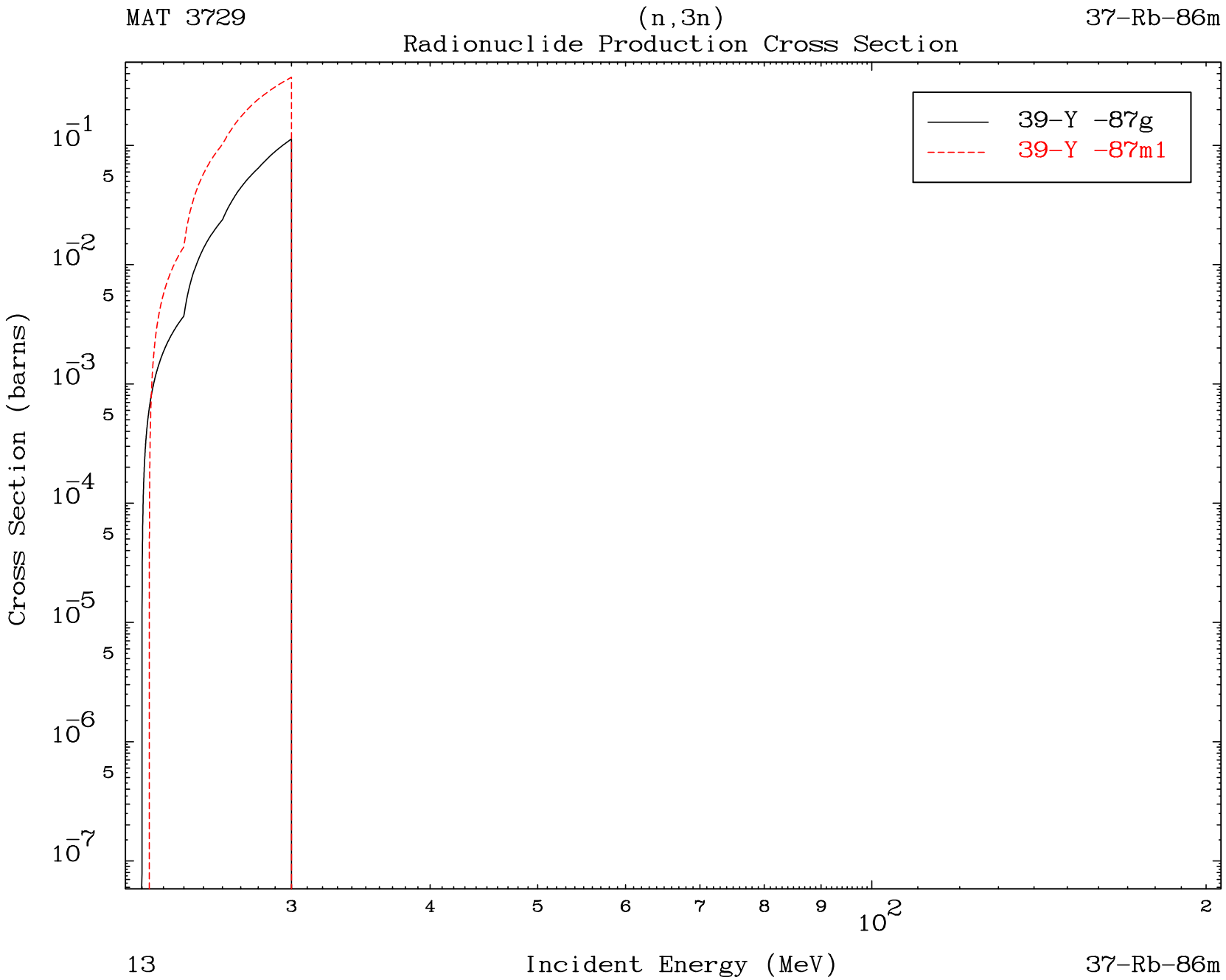

MAT 3729
(α,d) Levels
37-Rb-86m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-86m
8

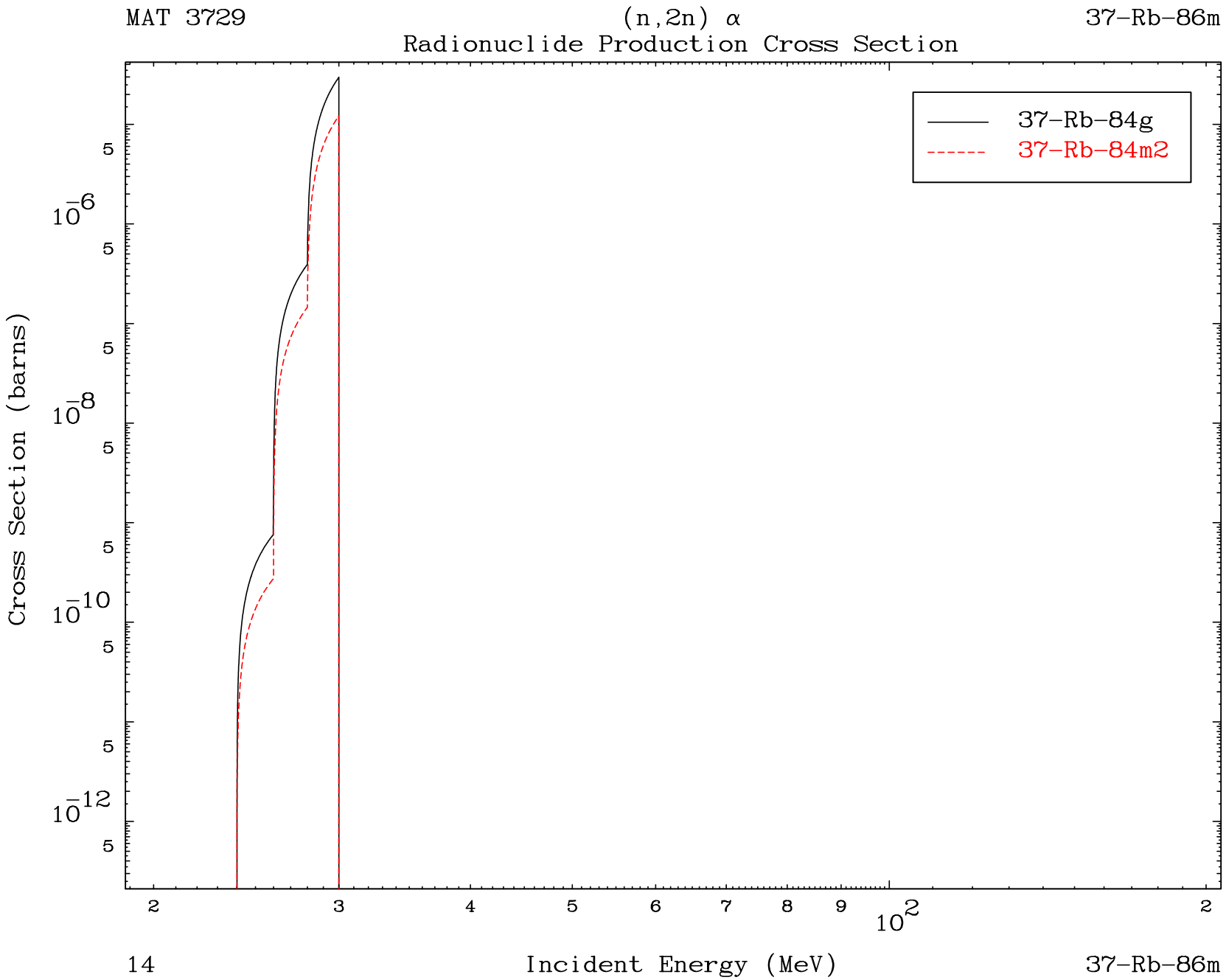

MAT 3729
(α,t) Levels
37-Rb-86m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-86m

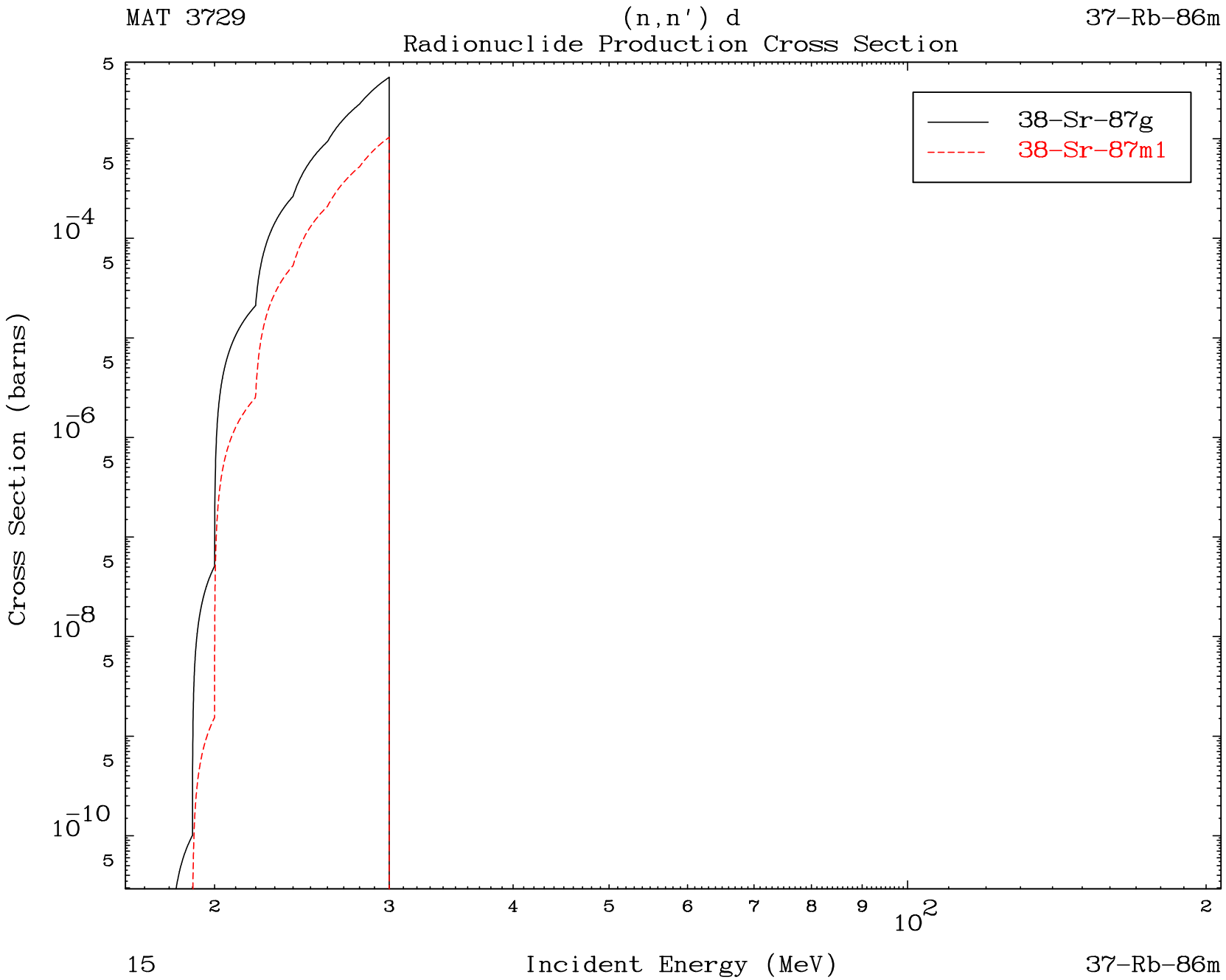

MAT 3729
(α,He3) Levels
37-Rb-86m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
37-Rb-86m

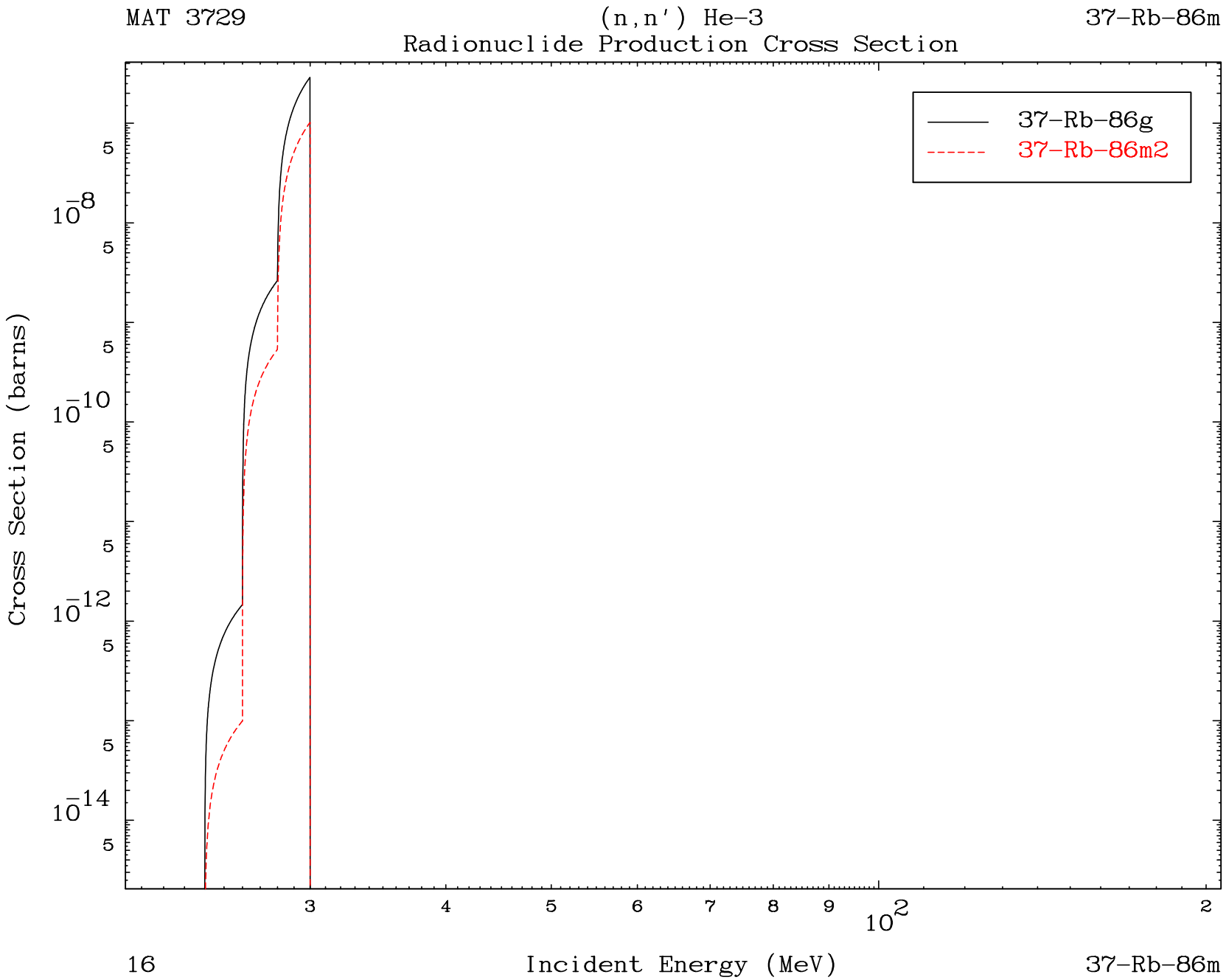

MAT 3729
(α,α) Levels
37-Rb-86m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
37-Rb-86m

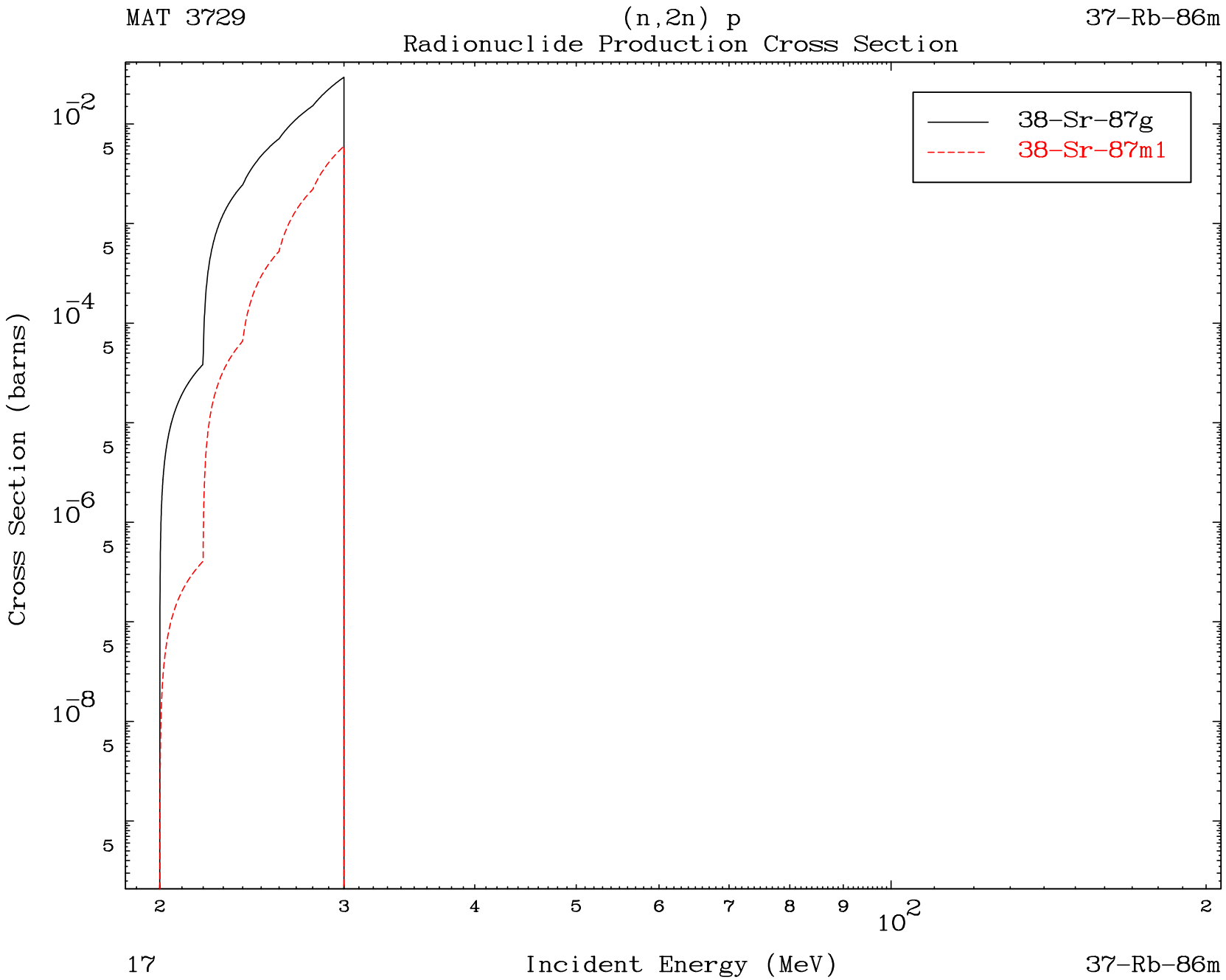

MAT 3729
Inelastic
37-Rb-86m
Radionuclide Production Cross Section
39-Y -89g
39-Y -89m1
Cross Section (barns)
Incident Energy (MeV)
12
37-Rb-86m

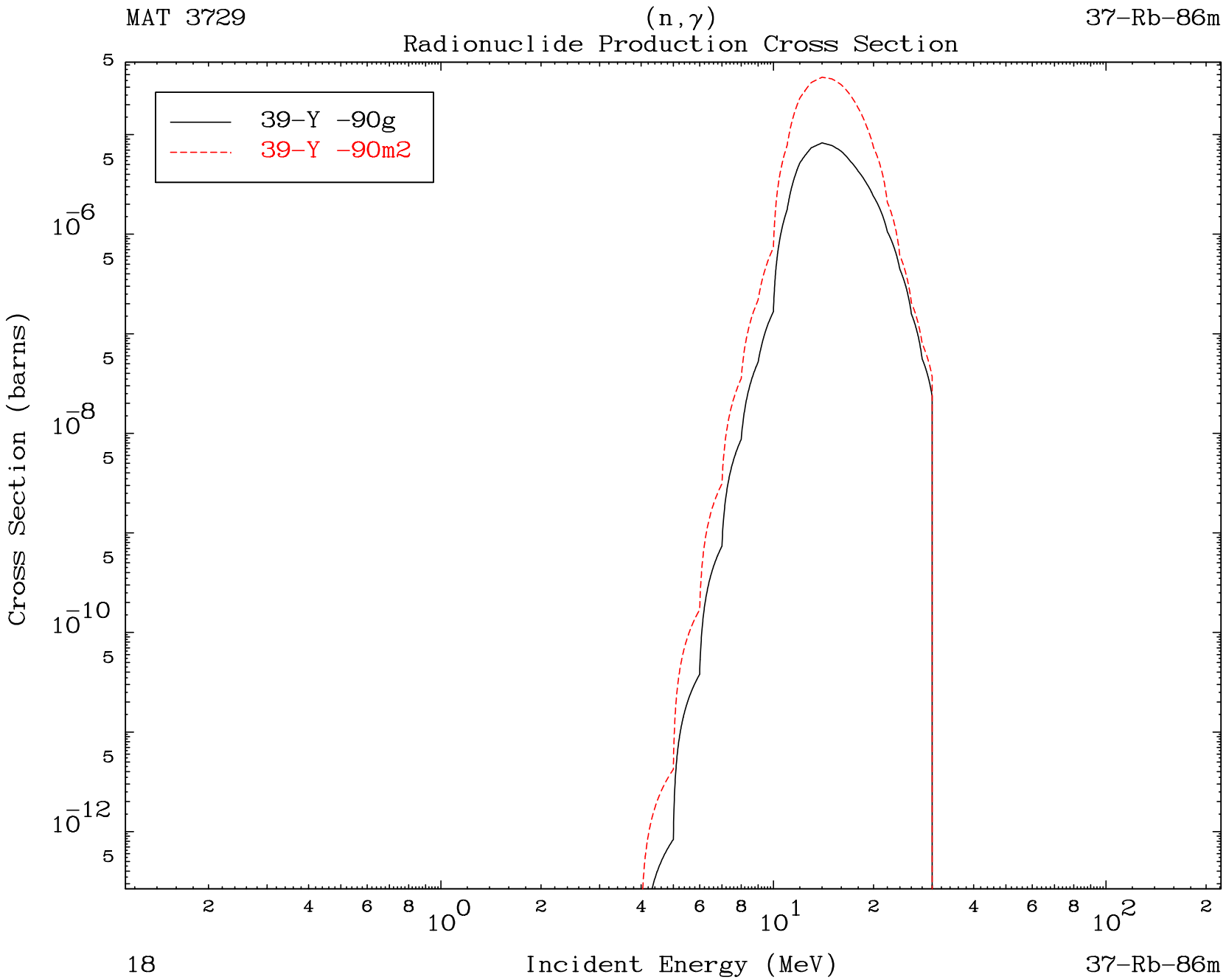

MAT 3729
(n,3n)
37-Rb-86m
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
Incident Energy (MeV)
13
37-Rb-86m

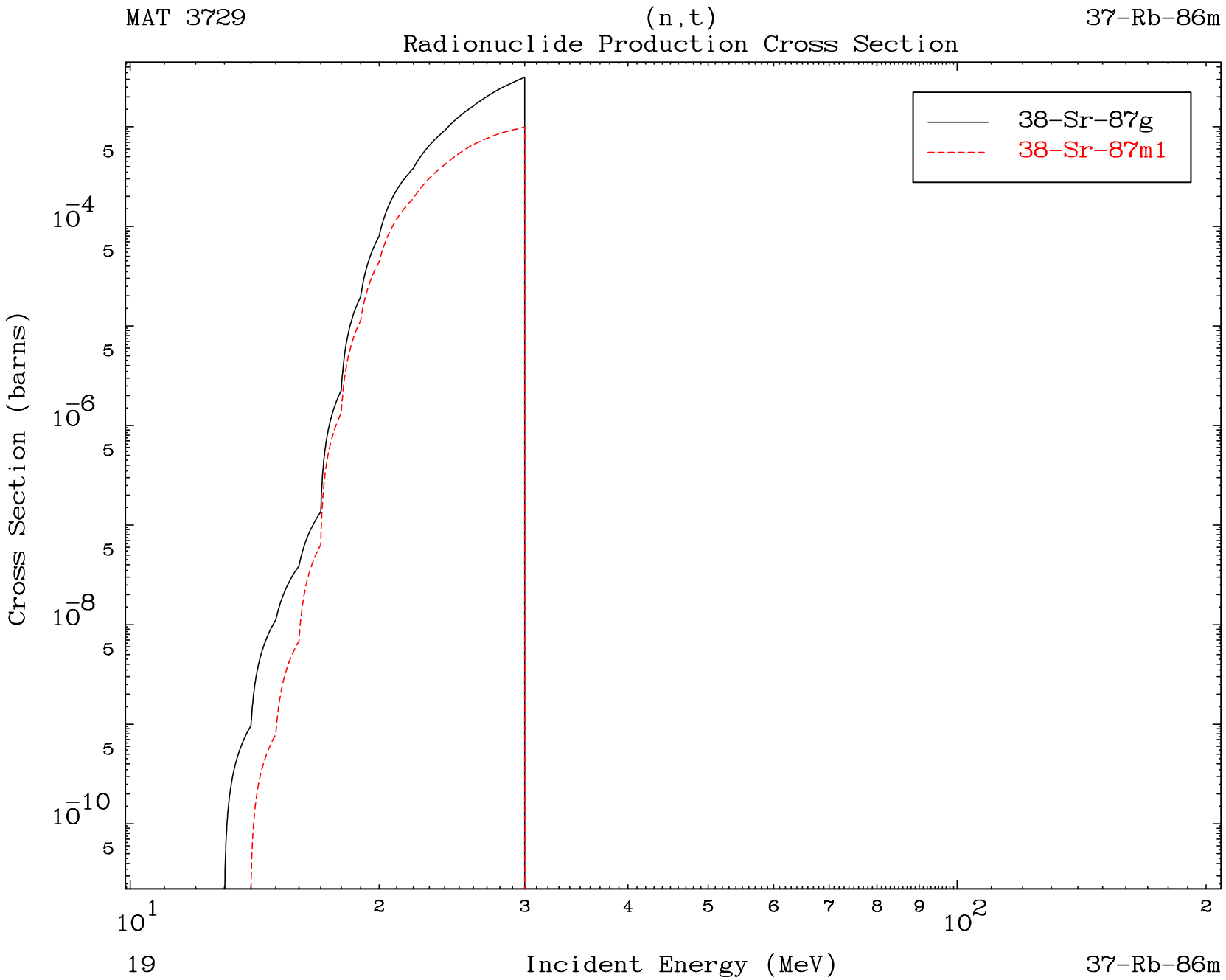

MAT 3729
(n,2n) α
37-Rb-86m
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
37-Rb-86m

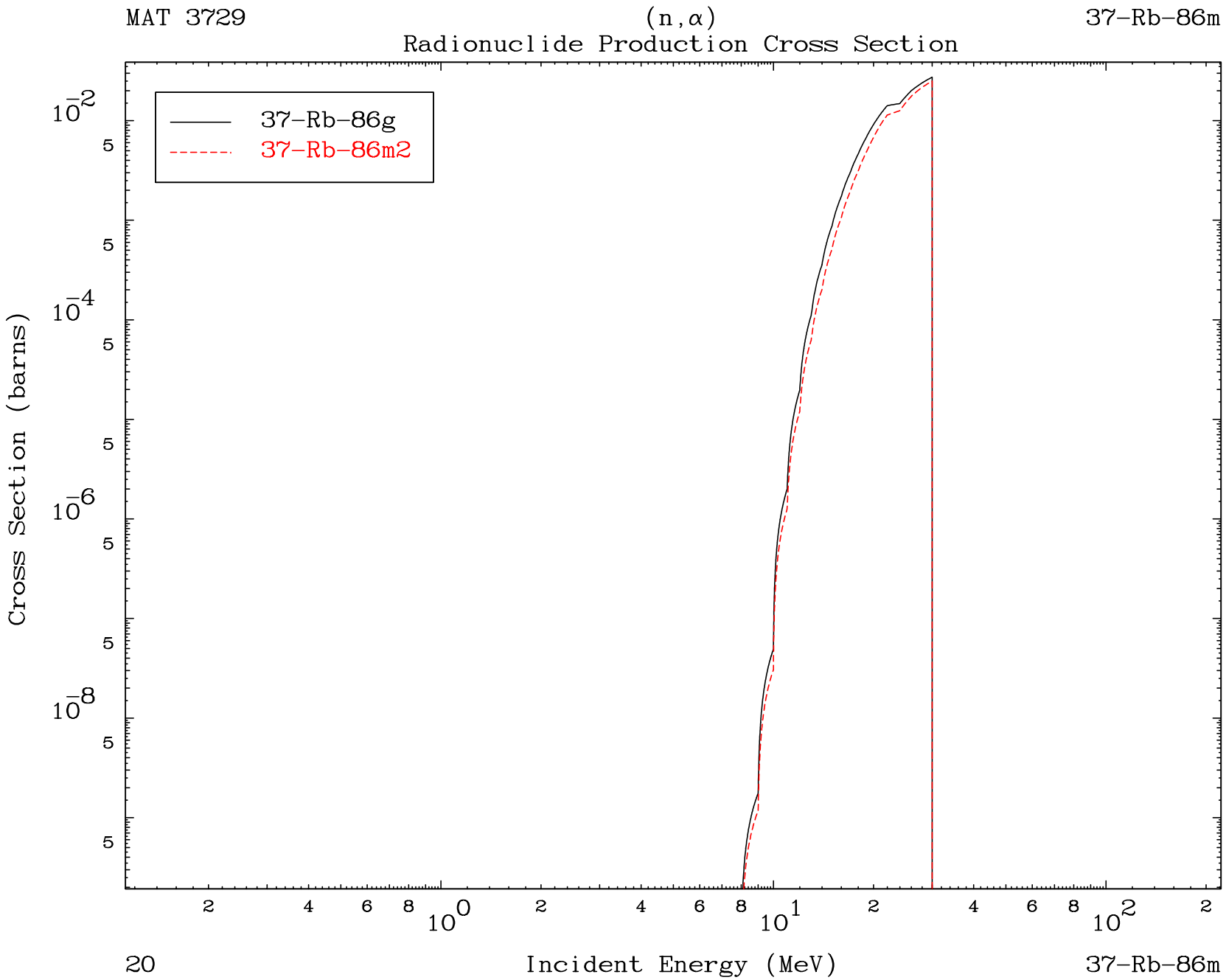

MAT 3729
(n,n') d
37-Rb-86m
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
Incident Energy (MeV)
15
37-Rb-86m

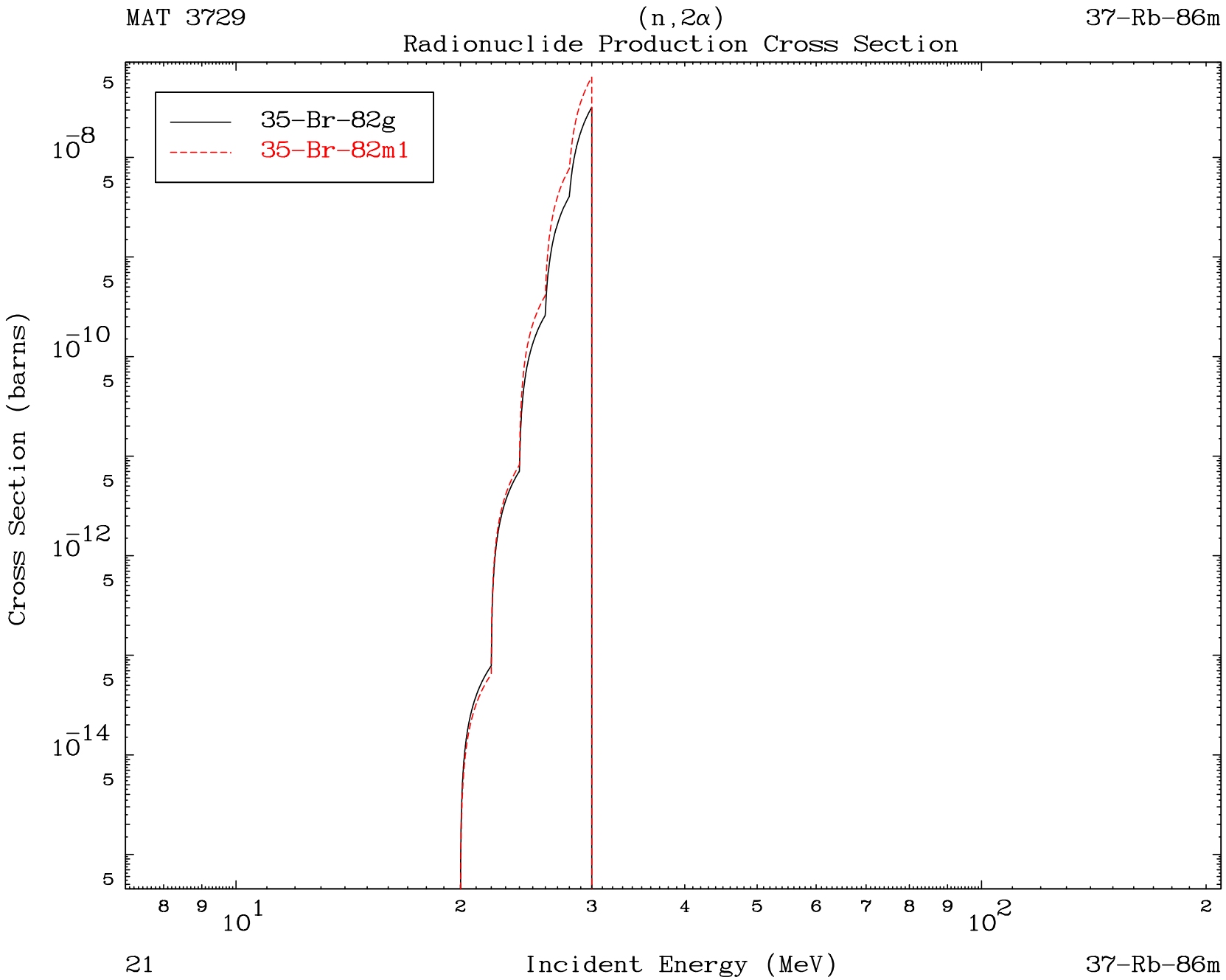

MAT 3729
(n,n') He-3
37-Rb-86m
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
37-Rb-86m

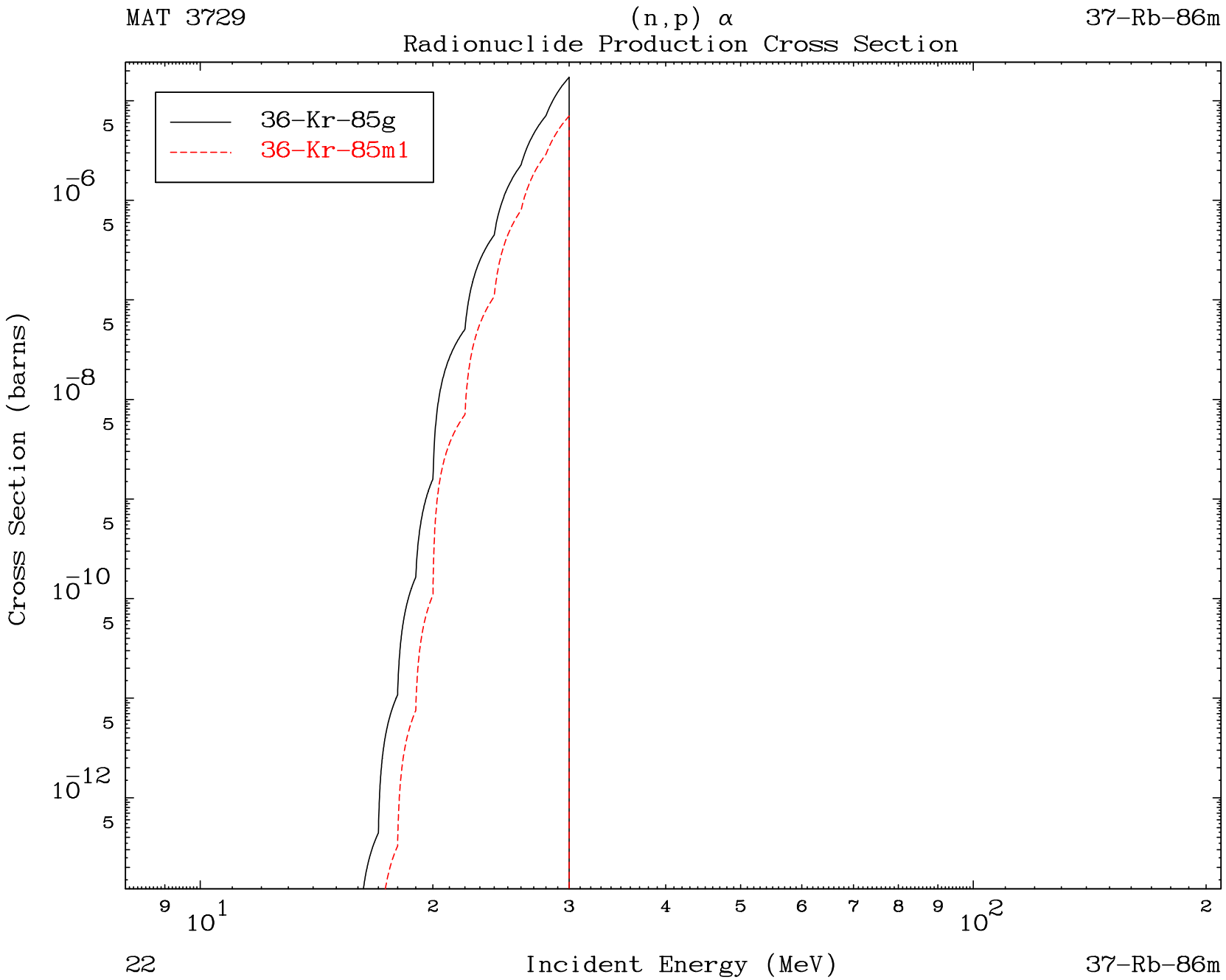

MAT 3729
(n,2n) p
37-Rb-86m
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
Incident Energy (MeV)
17
37-Rb-86m

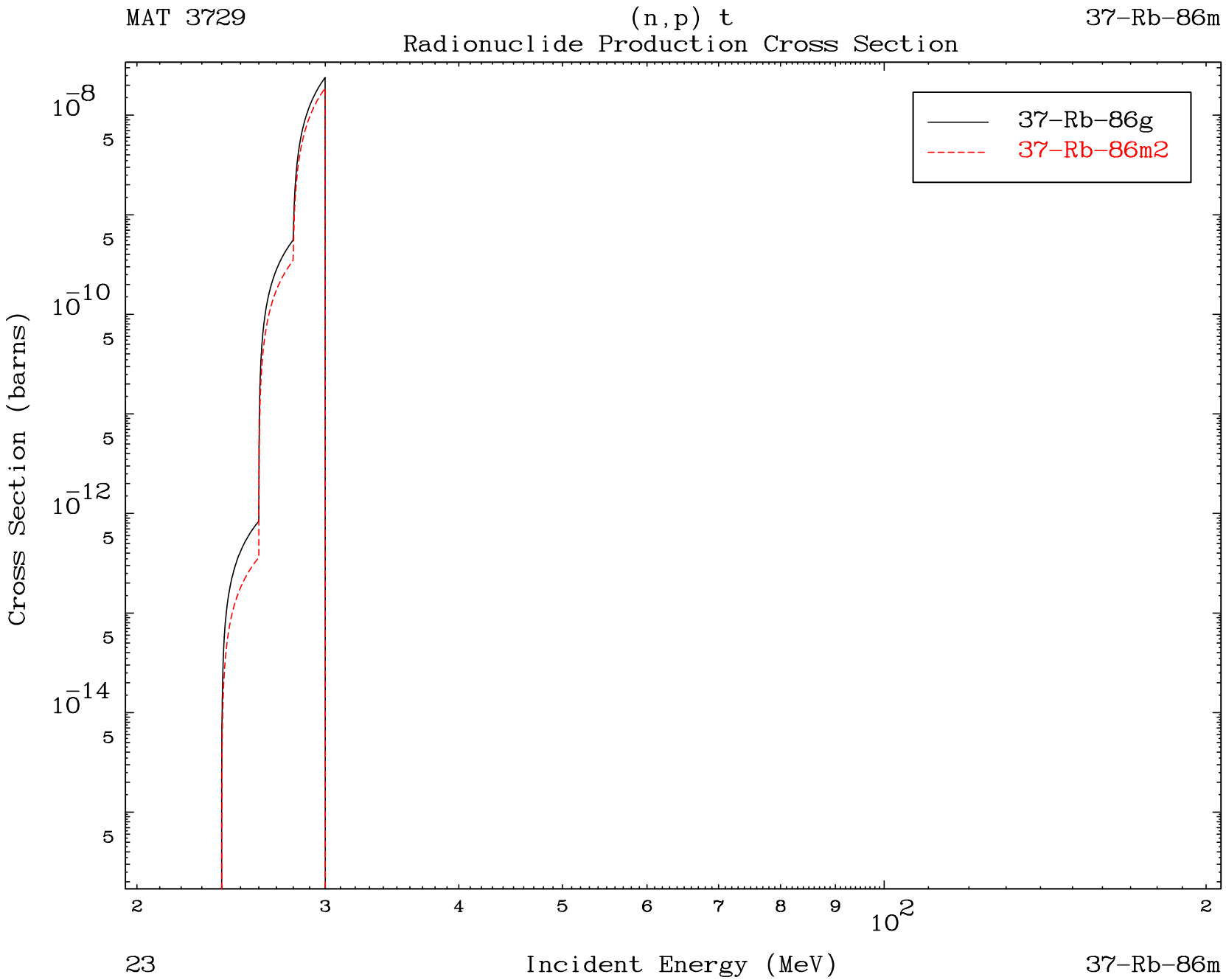

MAT 3729
(n,γ)
37-Rb-86m
Radionuclide Production Cross Section
39-Y -90g
39-Y -90m2
Cross Section (barns)
Incident Energy (MeV)
18
37-Rb-86m


MAT 3729
(n,t)
37-Rb-86m
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
19
Incident Energy (MeV)
37-Rb-86m


MAT 3729
(n,α)
37-Rb-86m
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
Cross Section (barns)
Incident Energy (MeV)
20
37-Rb-86m


MAT 3729
(n,2α)
37-Rb-86m
Radionuclide Production Cross Section
35-Br-82g
35-Br-82m1
Cross Section (barns)
Incident Energy (MeV)
21
37-Rb-86m


MAT 3729
(n,p) α
37-Rb-86m
Radionuclide Production Cross Section
36-Kr-85g
36-Kr-85m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
37-Rb-86m


MAT 3729
(n,p) t
37-Rb-86m
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
37-Rb-86m