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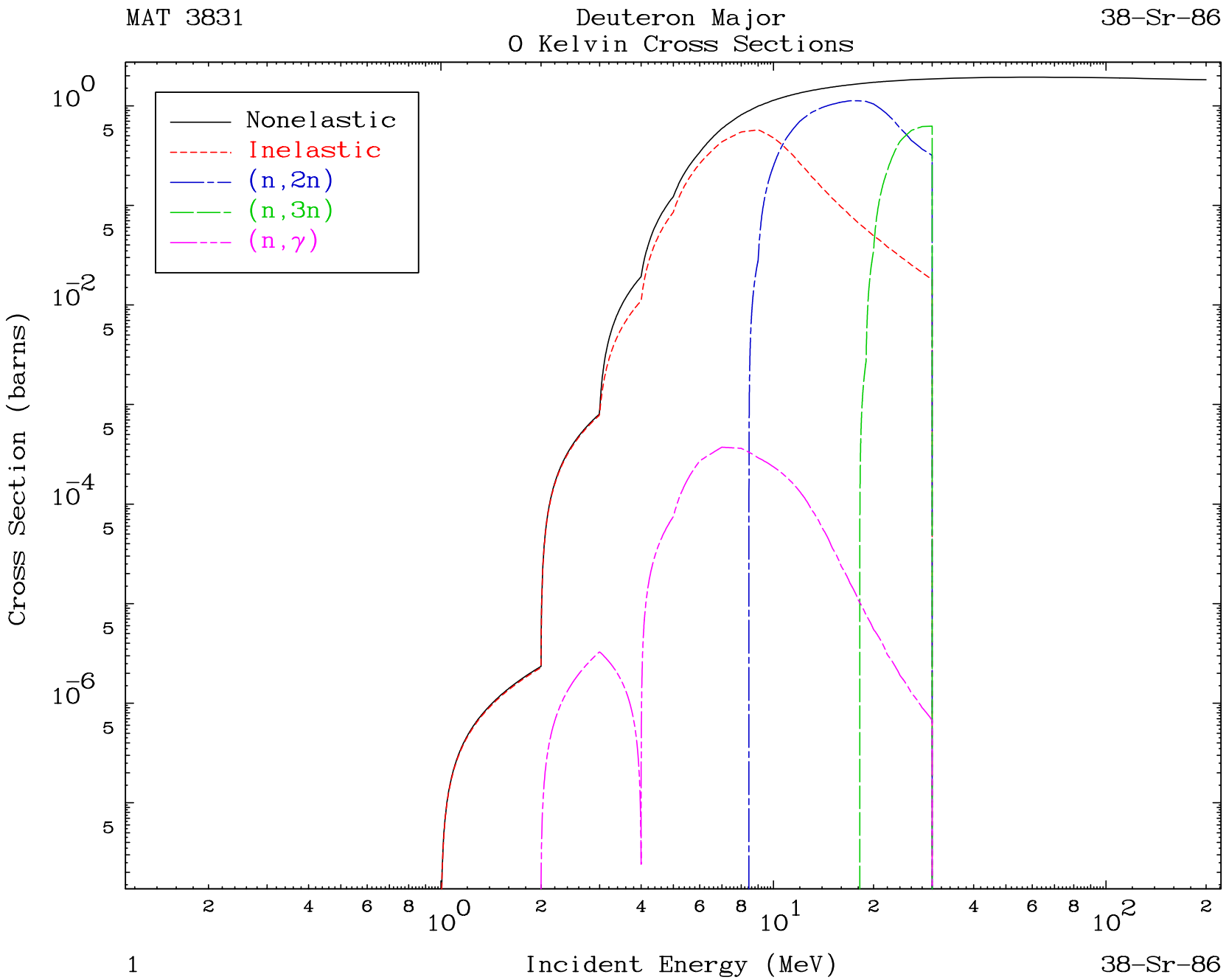
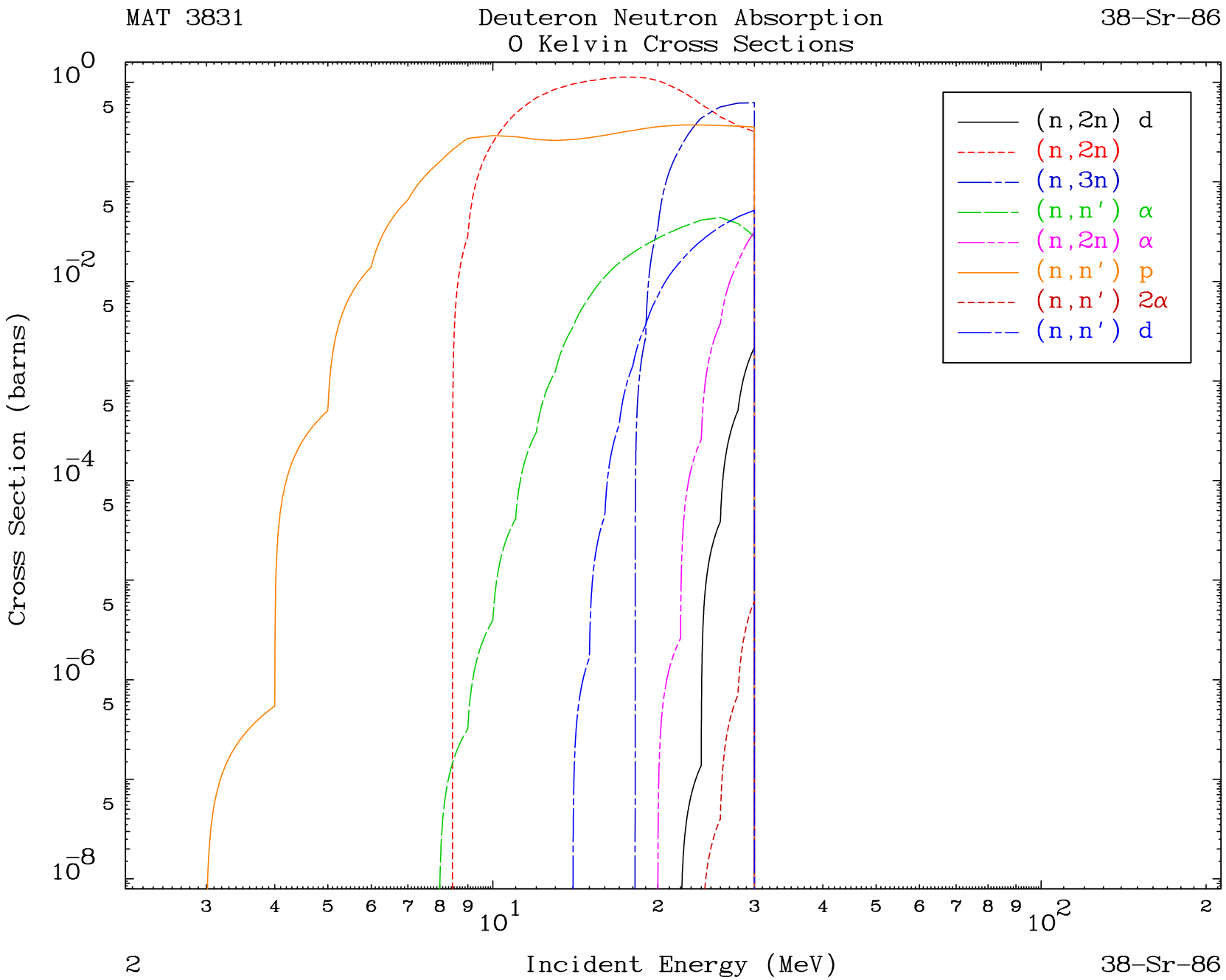
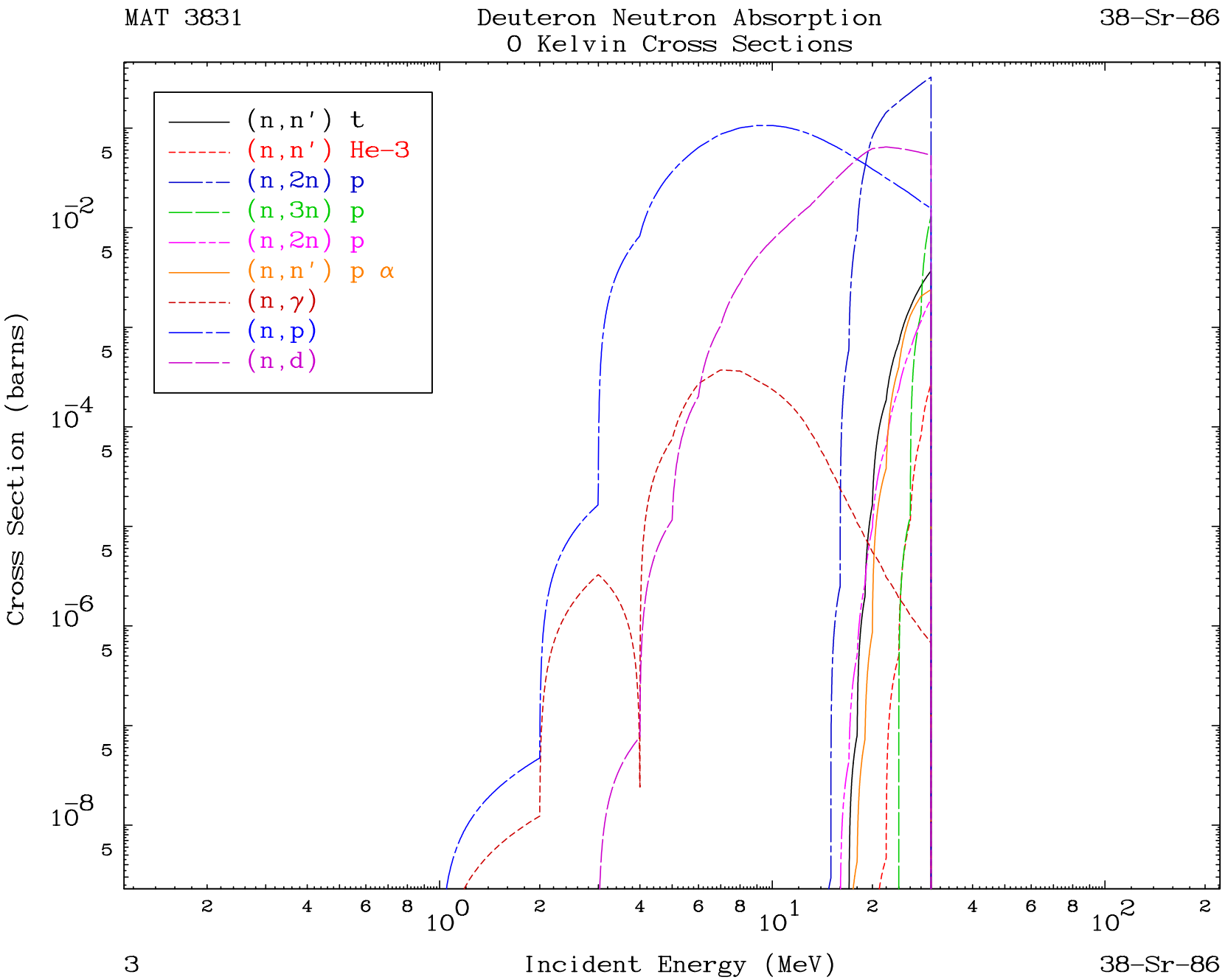
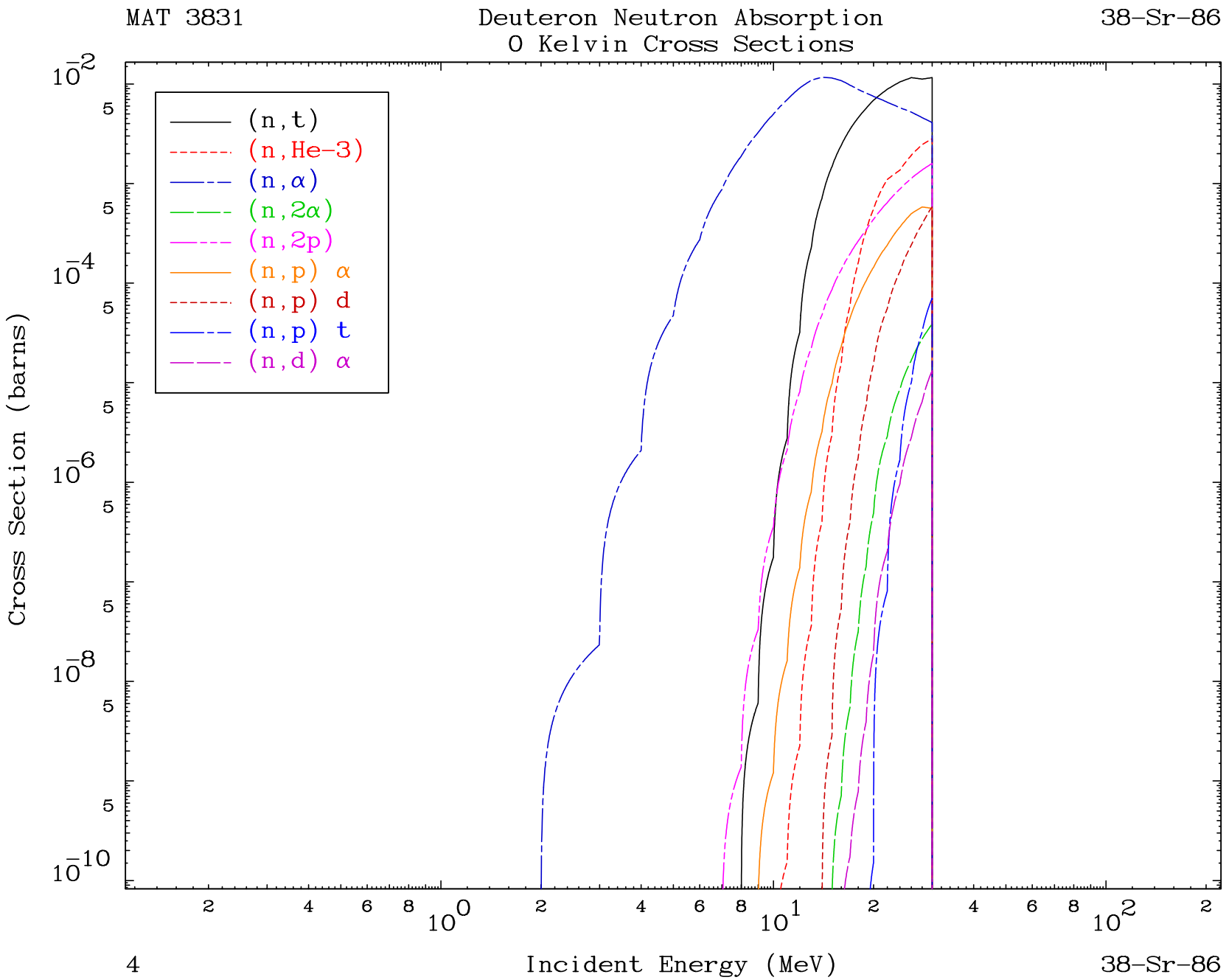
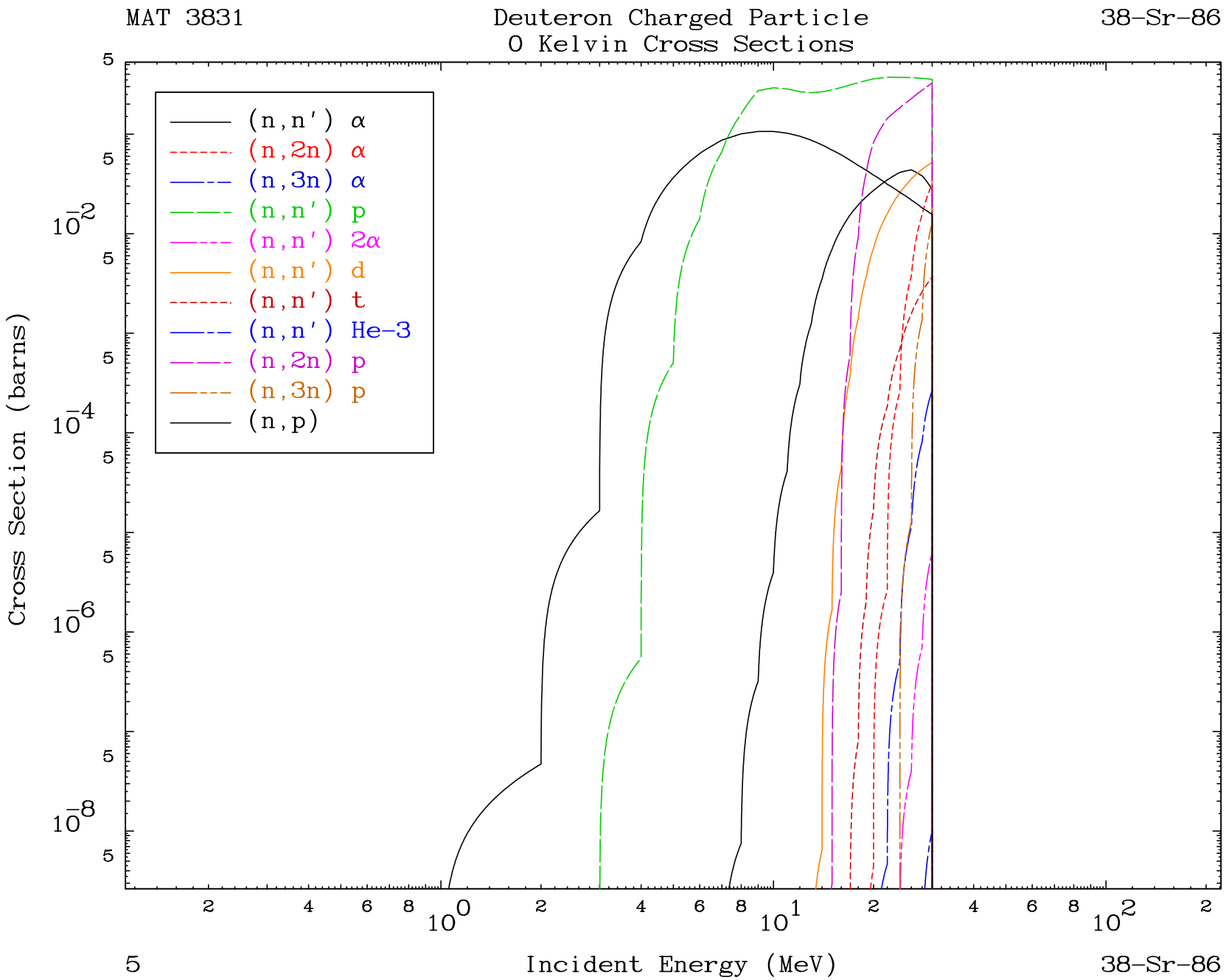
Press Mouse Button to Start

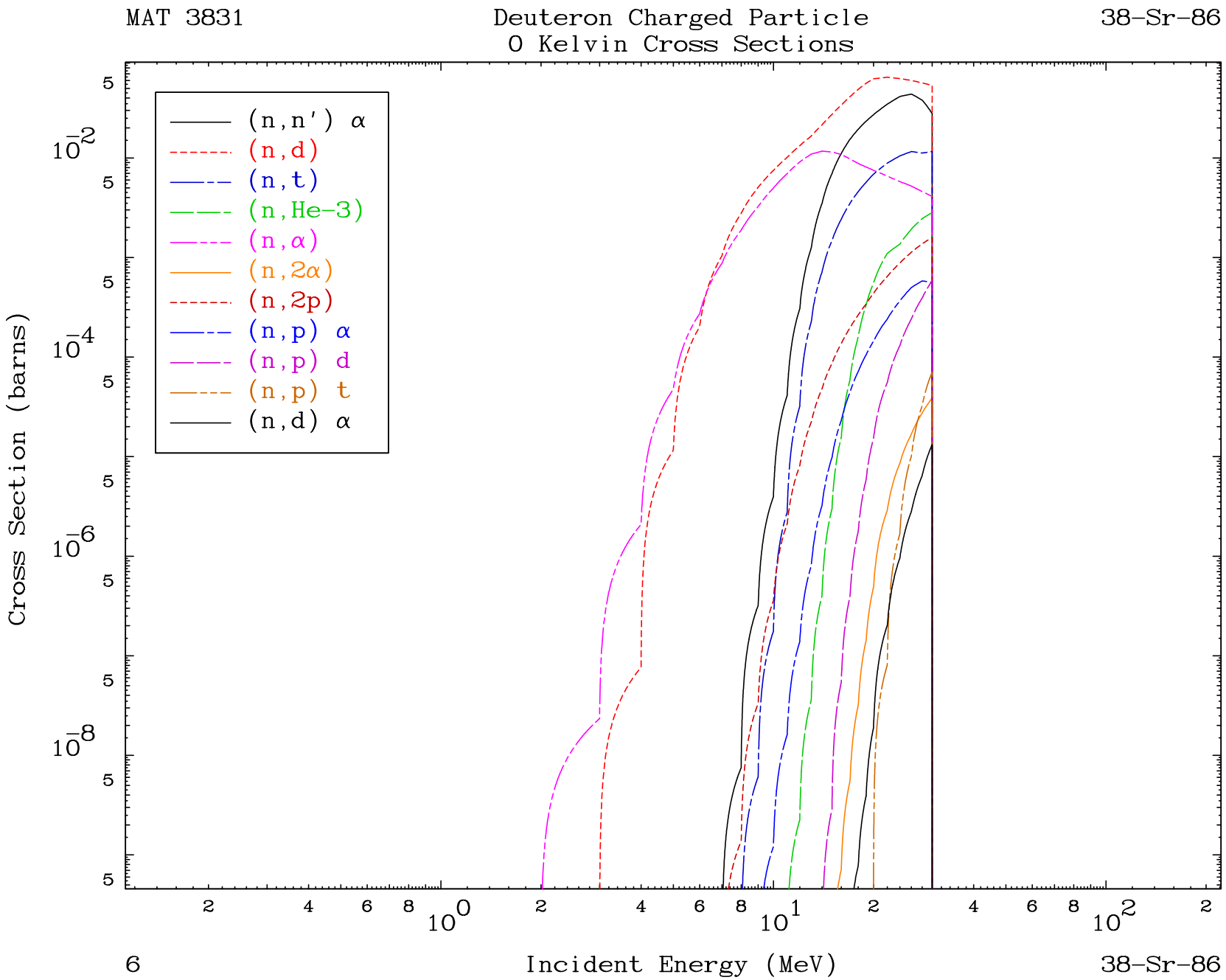

MAT 3831
Deuteron Major
38-Sr-86
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
38-Sr-86

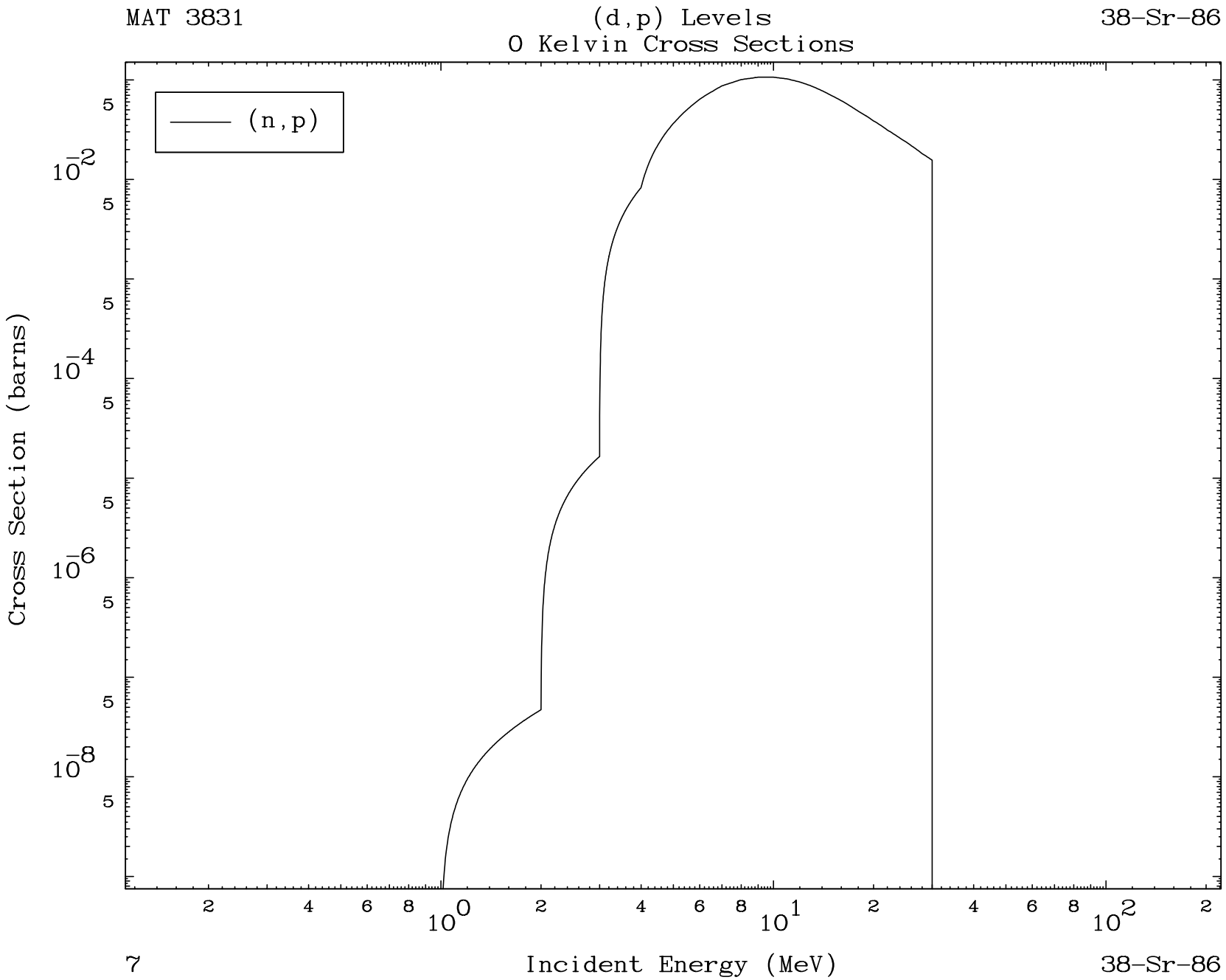

MAT 3831
Deuteron Neutron Absorption
0 Kelvin Cross Sections
38-Sr-86
Cross Section (barns)
Incident Energy (MeV)
38-Sr-86
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d

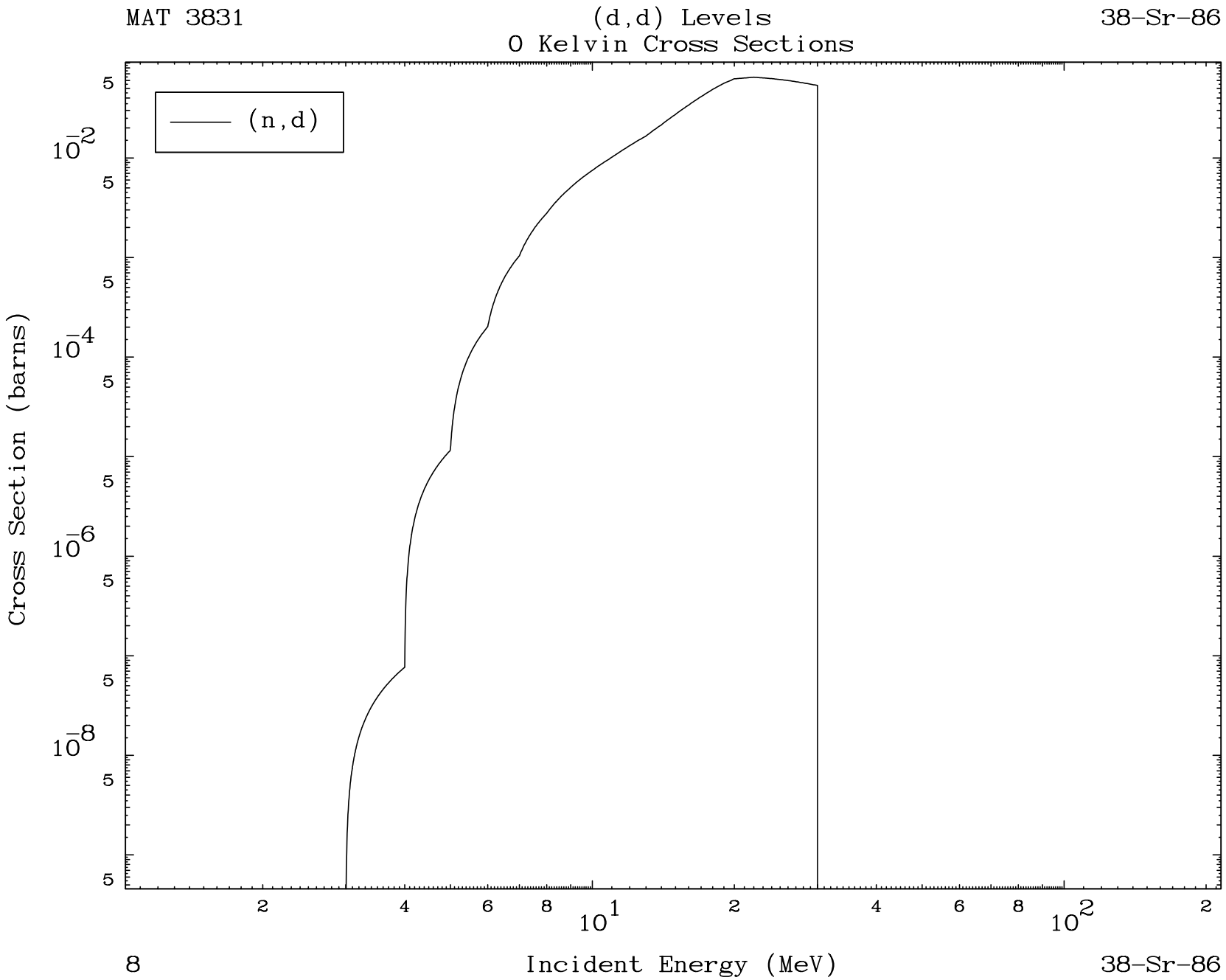

MAT 3831
Deuteron Neutron Absorption
0 Kelvin Cross Sections
38-Sr-86
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
38-Sr-86

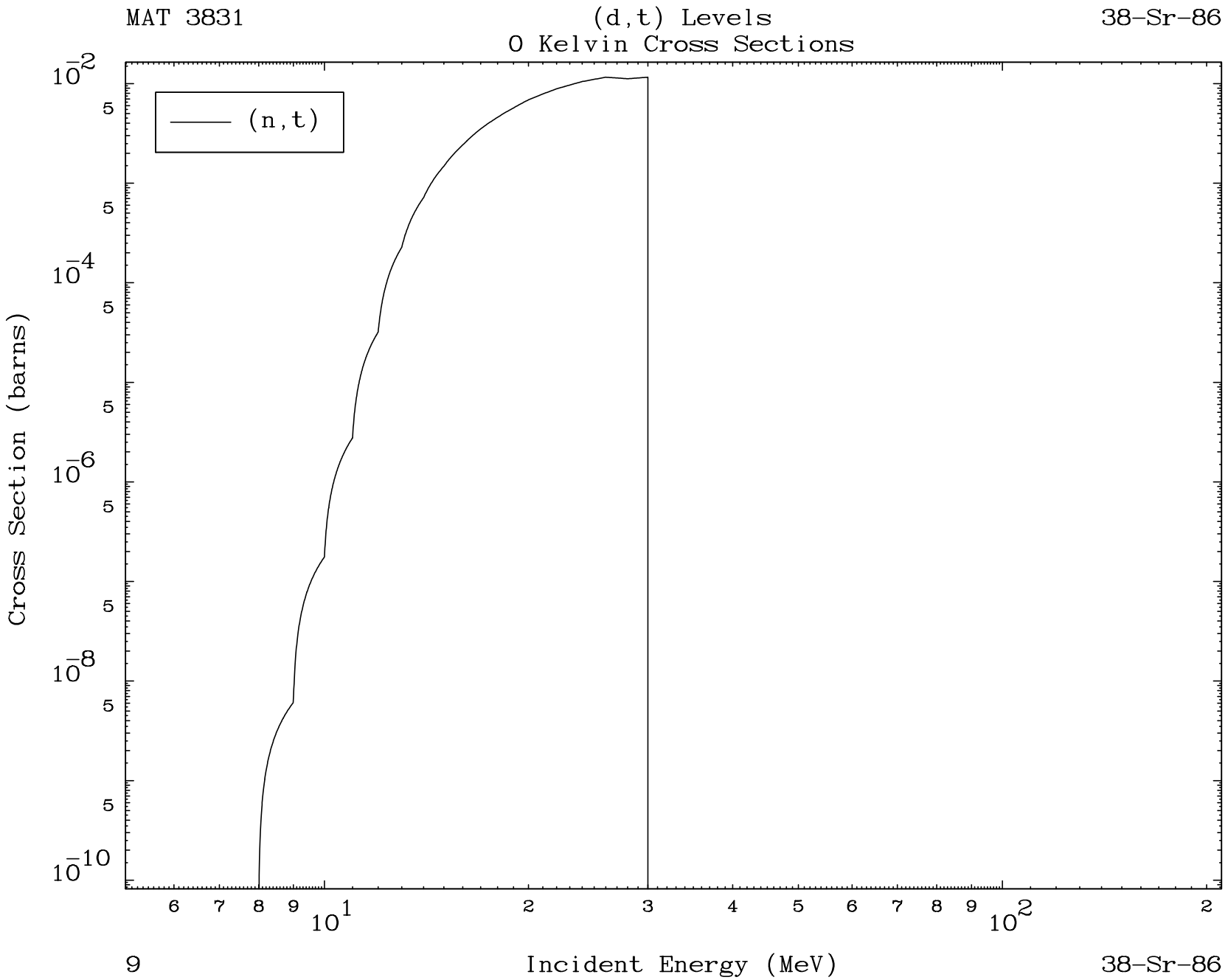

MAT 3831
Deuteron Neutron Absorption
0 Kelvin Cross Sections
38-Sr-86
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
38-Sr-86

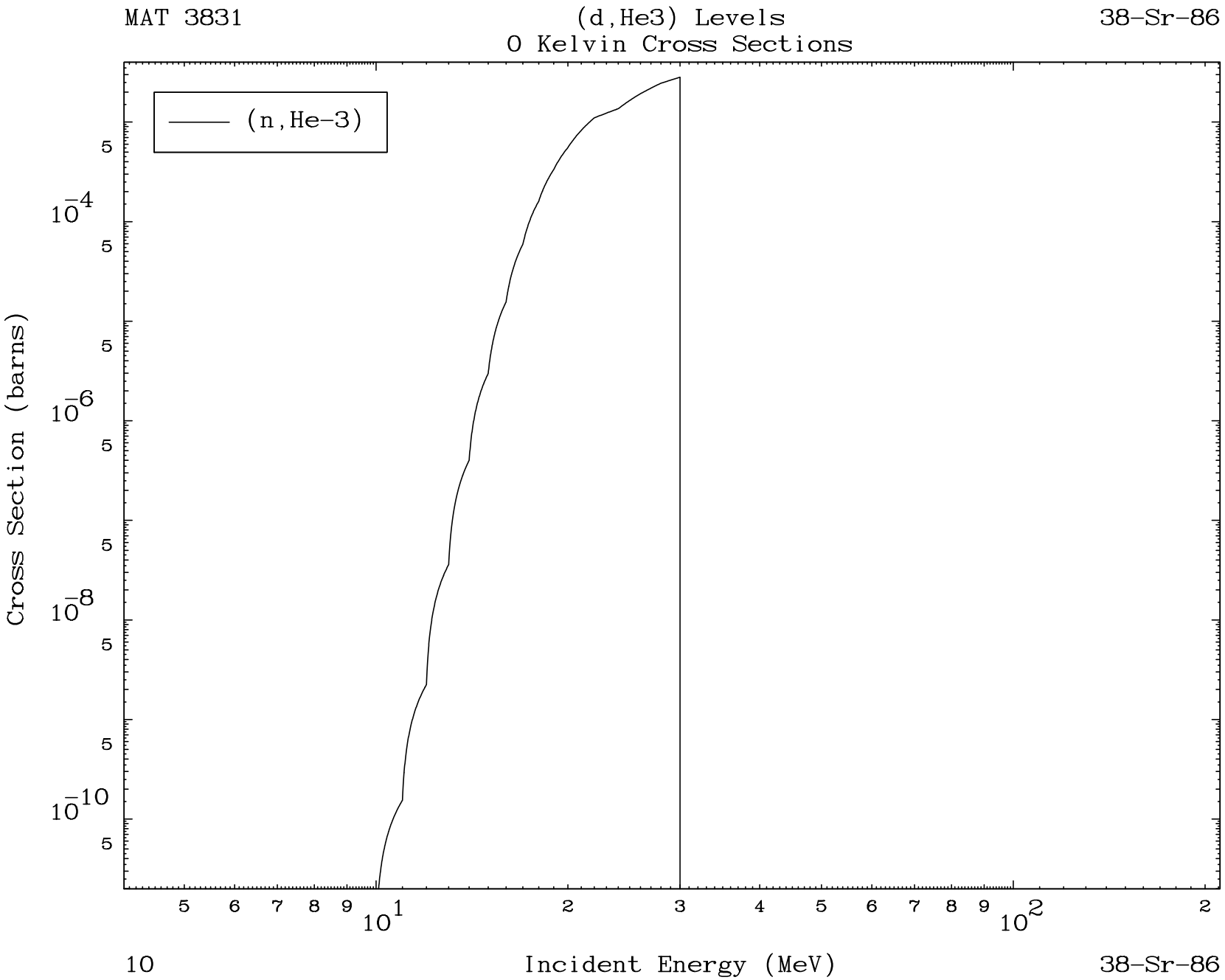

MAT 3831
Deuteron Charged Particle
0 Kelvin Cross Sections
38-Sr-86
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-86

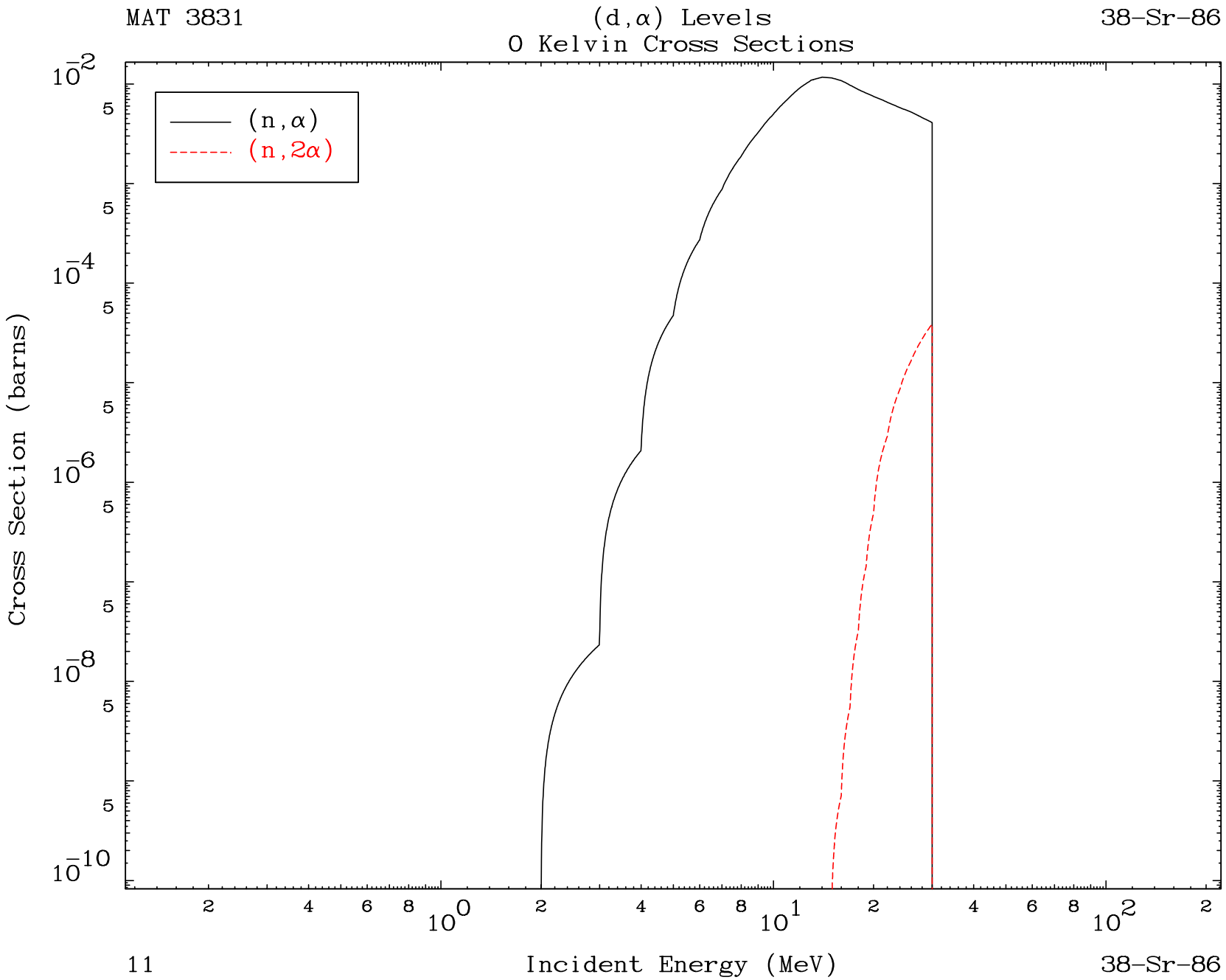

MAT 3831
Deuteron Charged Particle
0 Kelvin Cross Sections
38-Sr-86
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
38-Sr-86

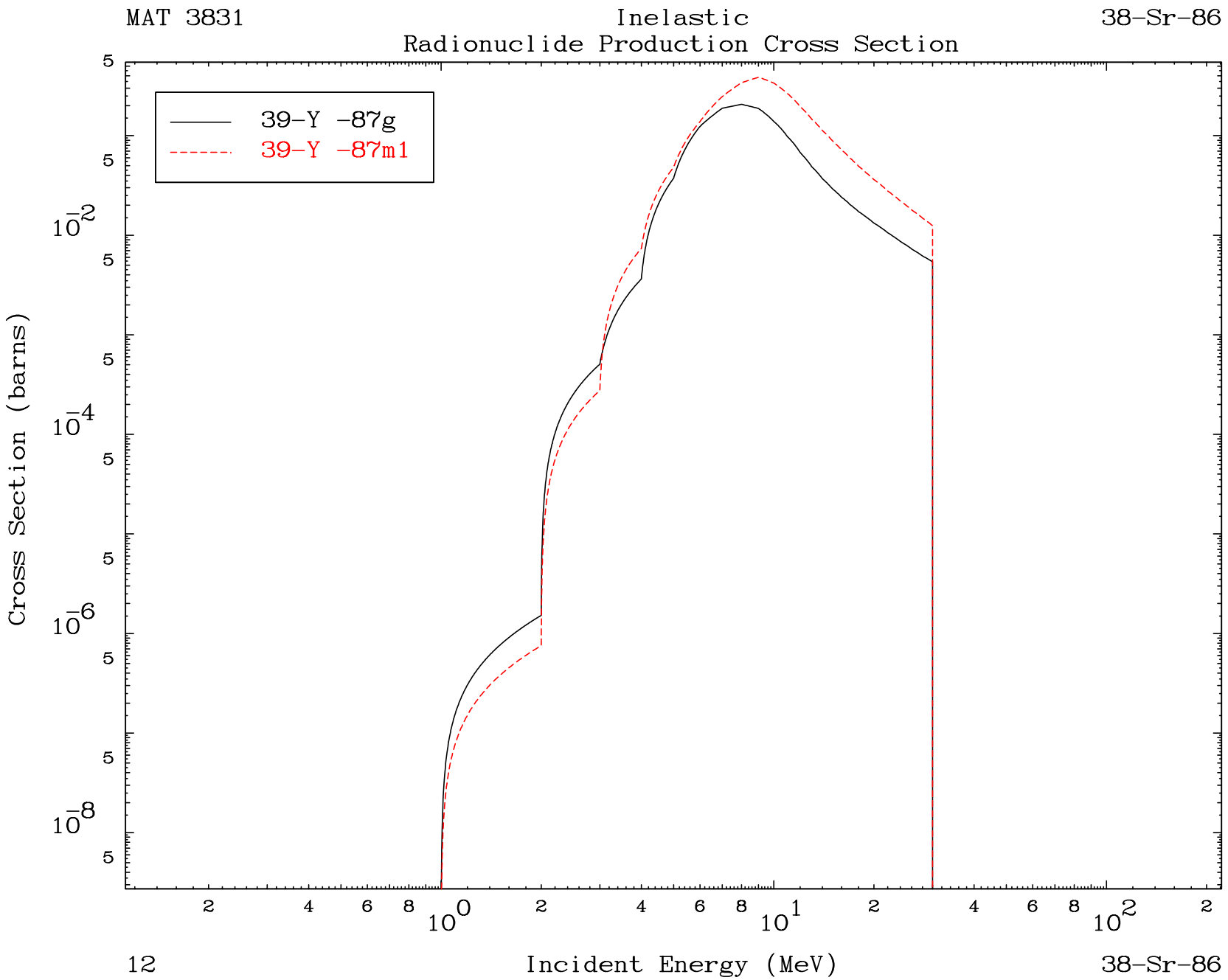

MAT 3831
(d,p) Levels
38-Sr-86
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
7
38-Sr-86

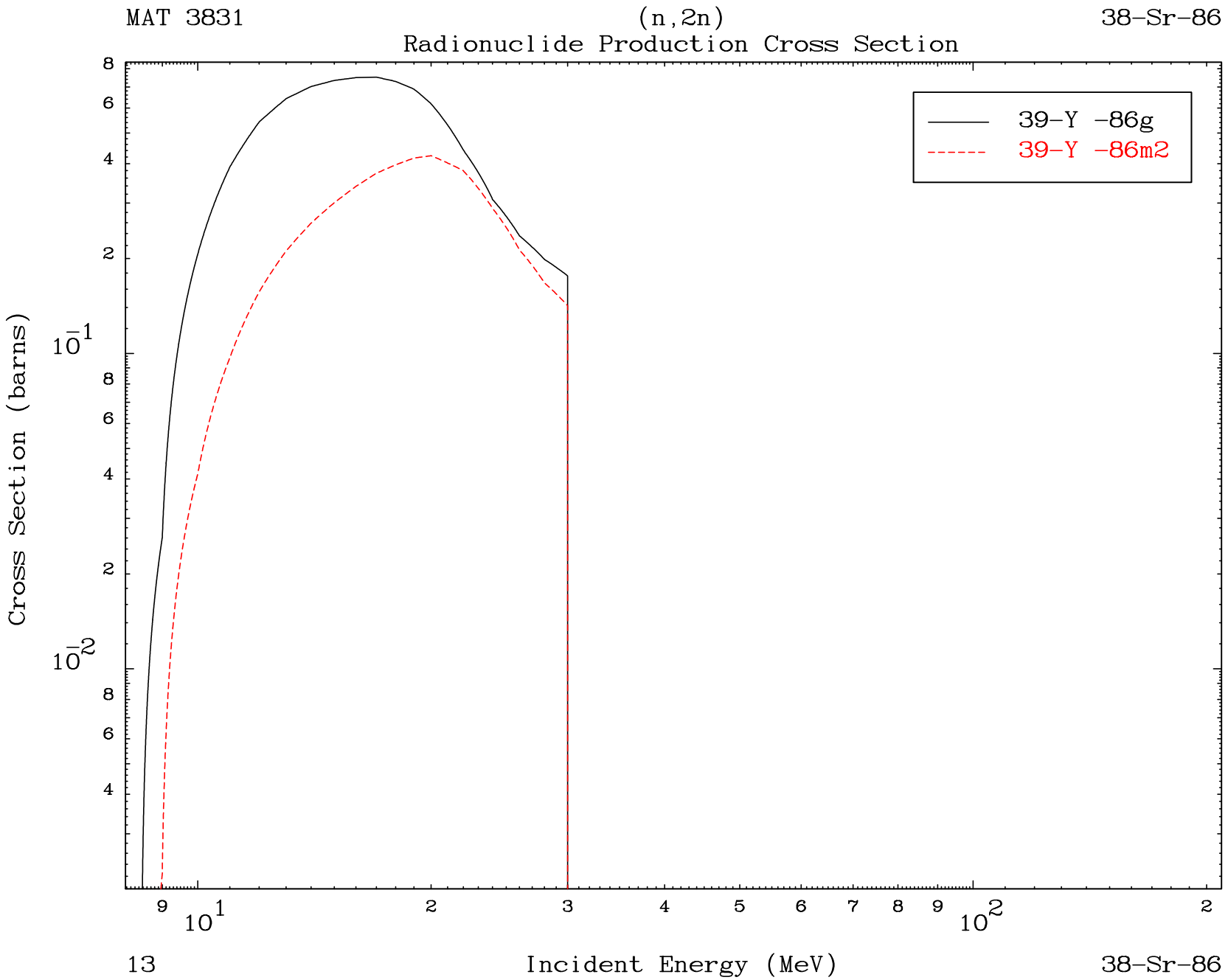

MAT 3831
(d,d) Levels
38-Sr-86
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-86

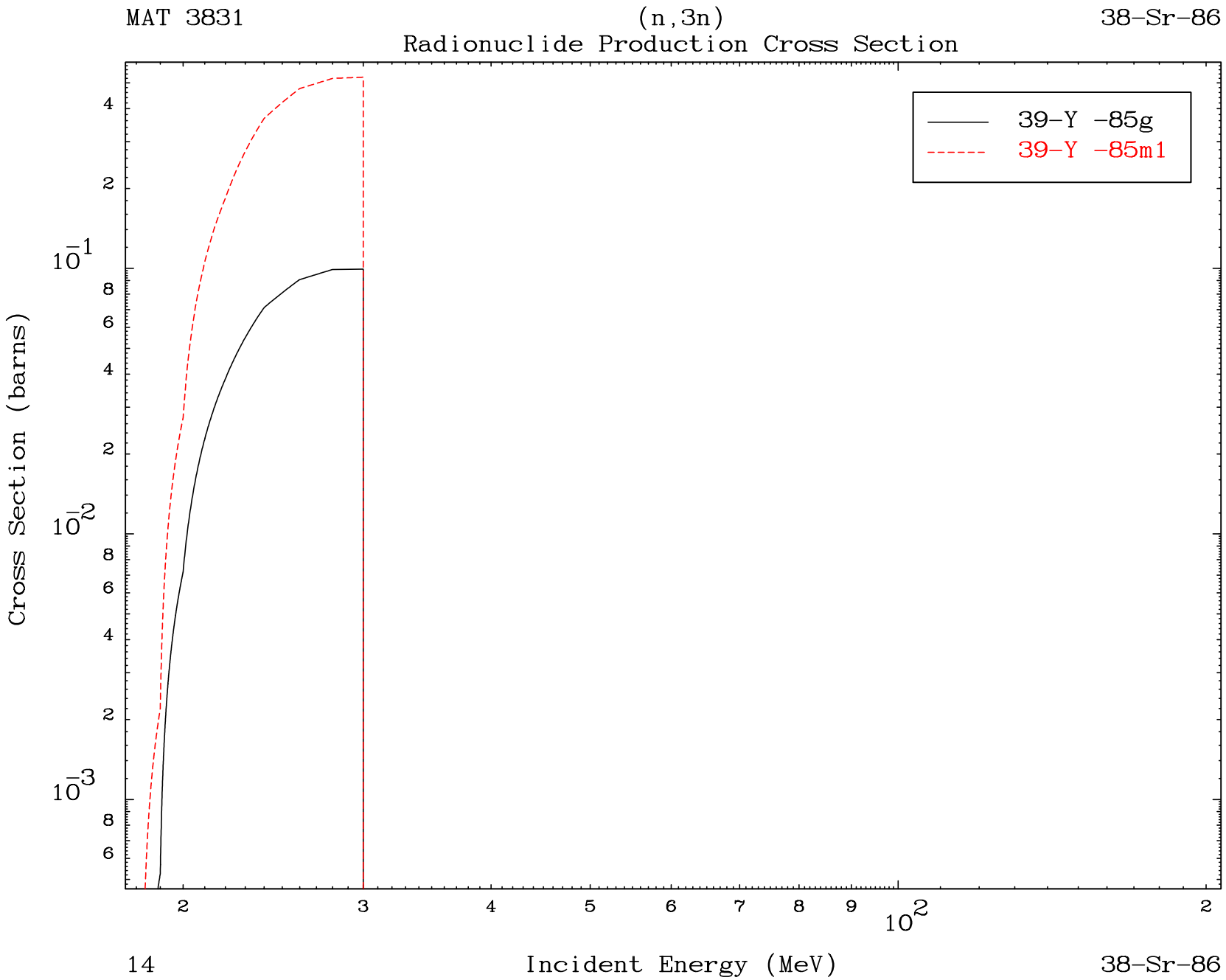

MAT 3831
(d,t) Levels
38-Sr-86
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
38-Sr-86

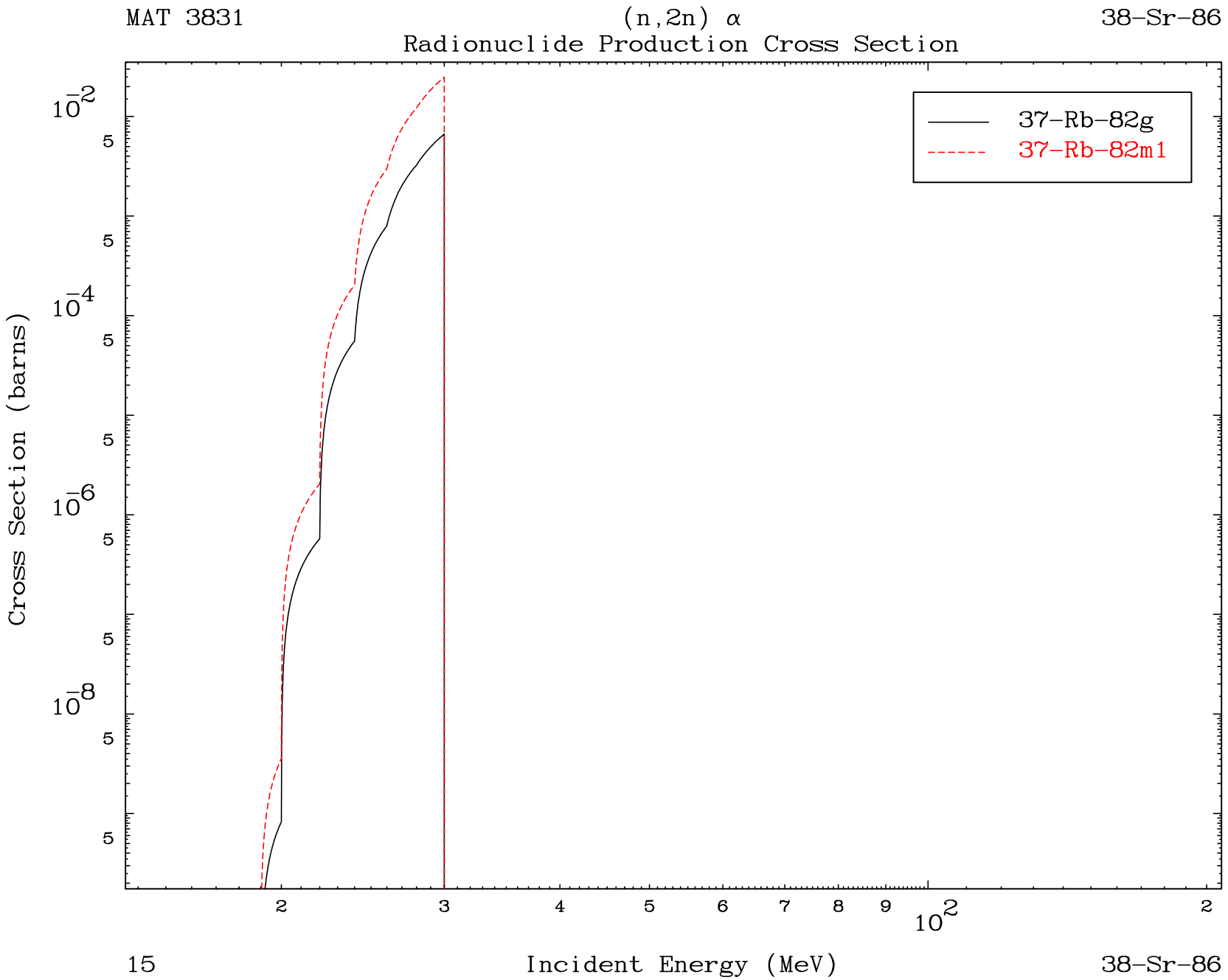

MAT 3831
(d,He3) Levels
38-Sr-86
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
10^2
2
3
4
6
7
8
9
Incident Energy (MeV)
10
38-Sr-86

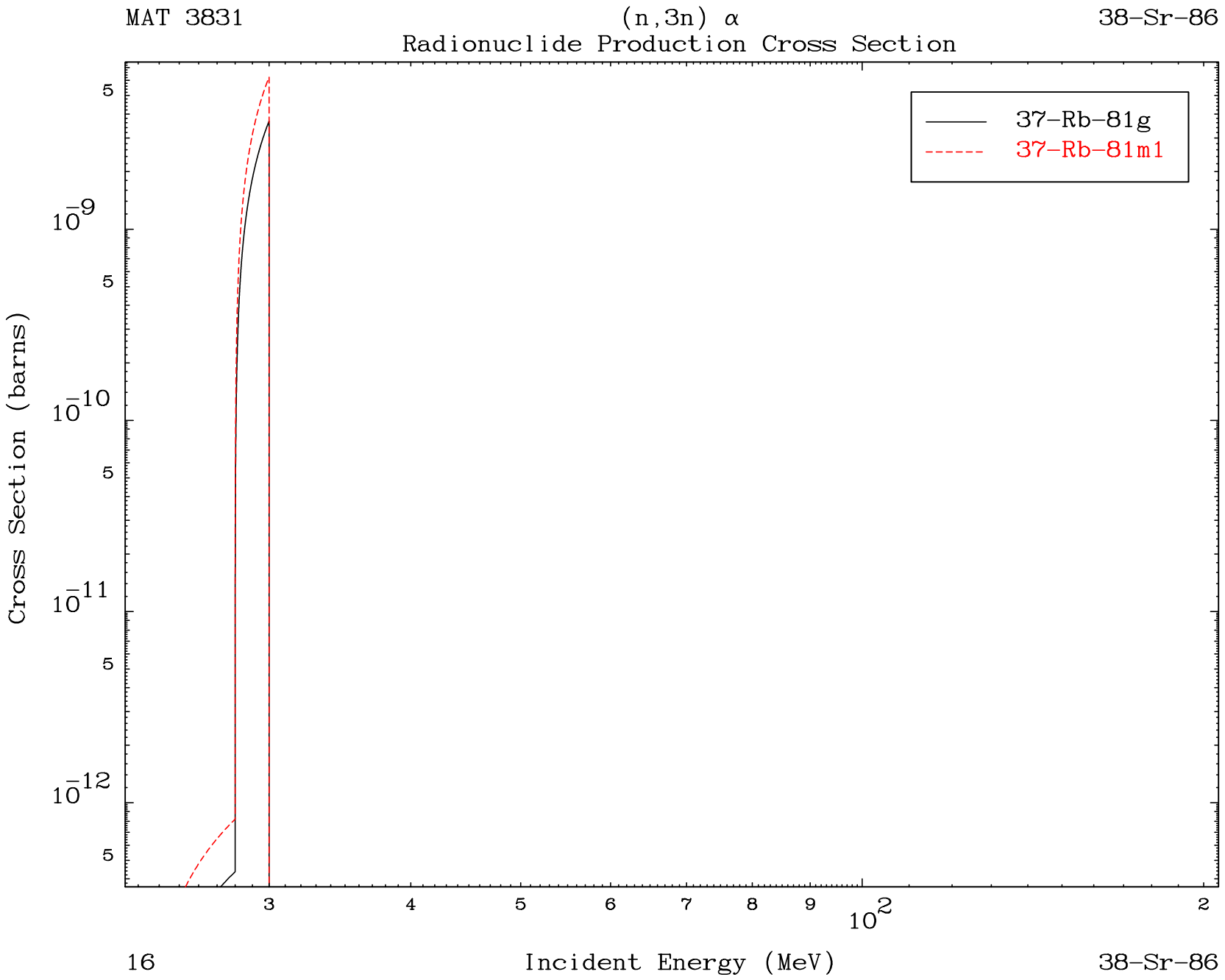

MAT 3831
(d,α) Levels
38-Sr-86
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
38-Sr-86

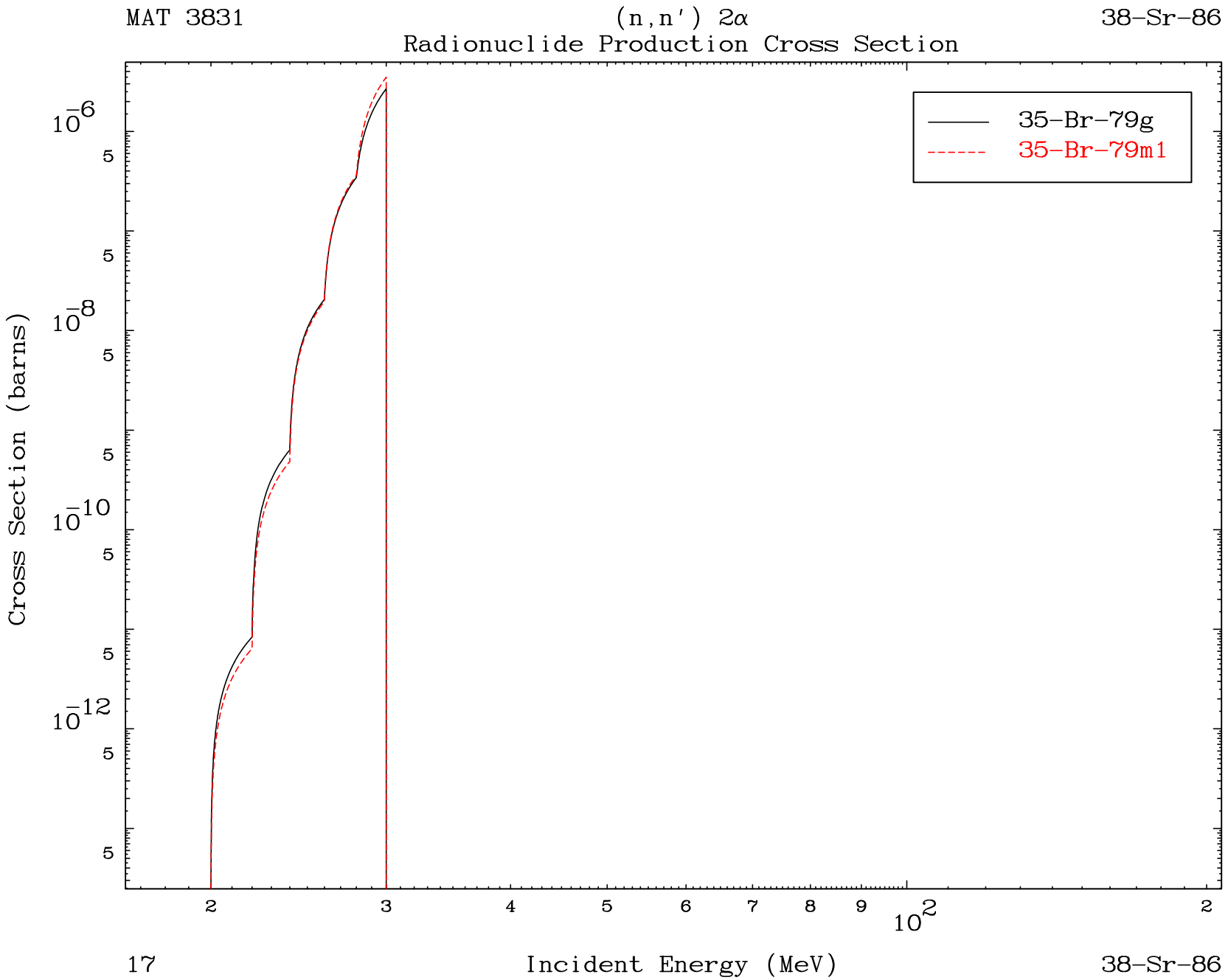

MAT 3831
Inelastic
38-Sr-86
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
Incident Energy (MeV)
12
38-Sr-86

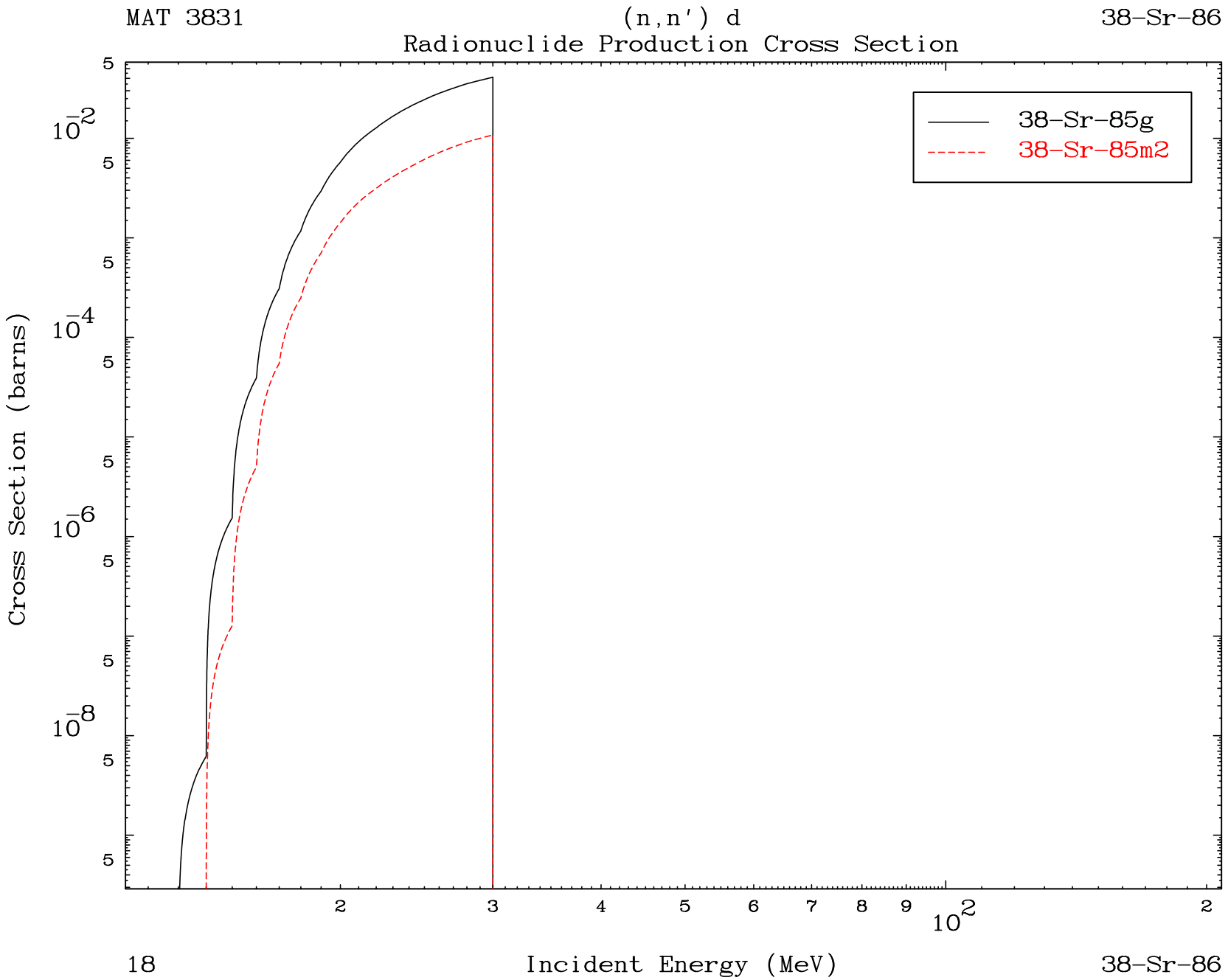

MAT 3831
(n,2n)
38-Sr-86
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
Incident Energy (MeV)
13
38-Sr-86

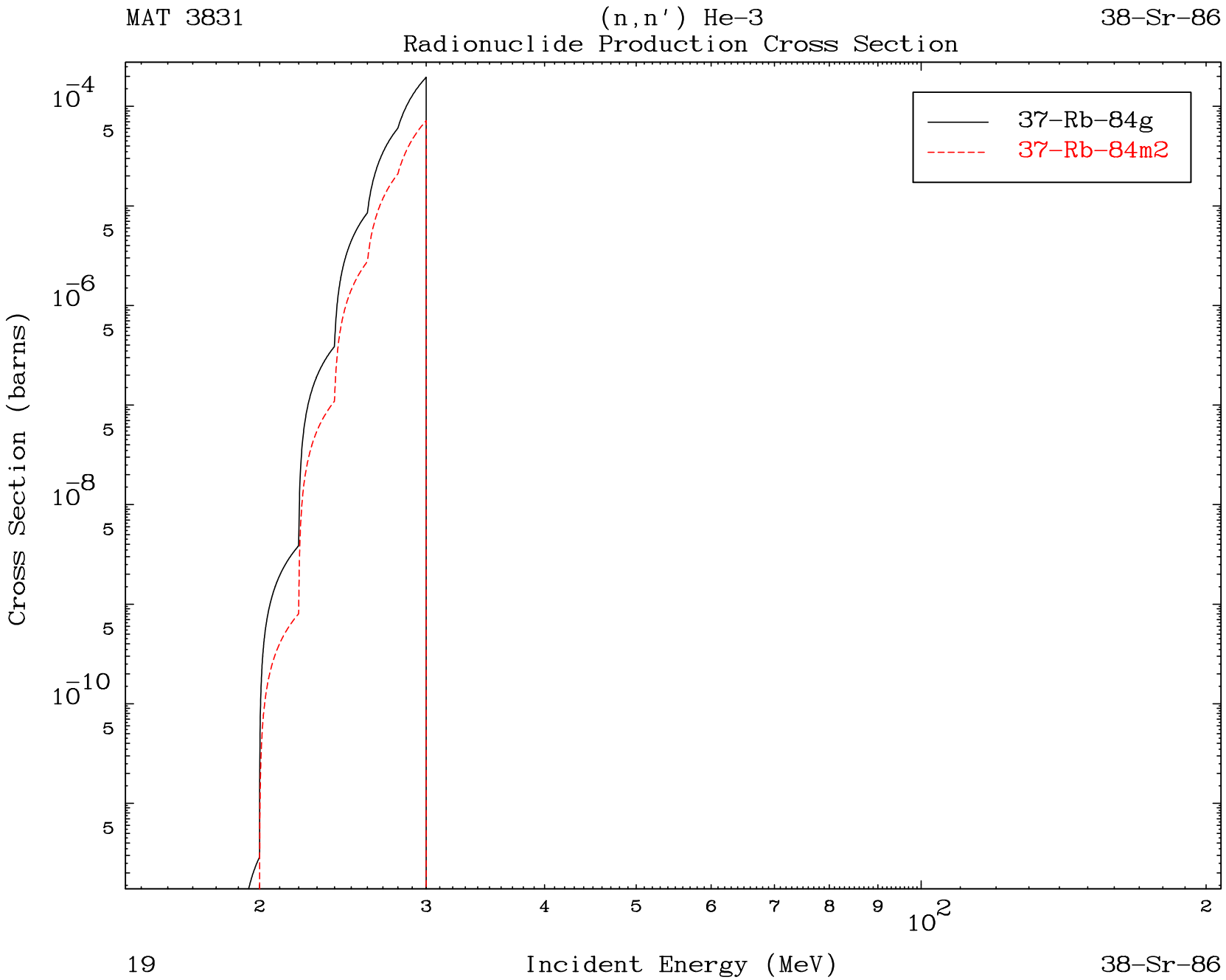

MAT 3831
(n,3n)
38-Sr-86
Radionuclide Production Cross Section
39-Y -85g
39-Y -85m1
Cross Section (barns)
Incident Energy (MeV)
14
38-Sr-86

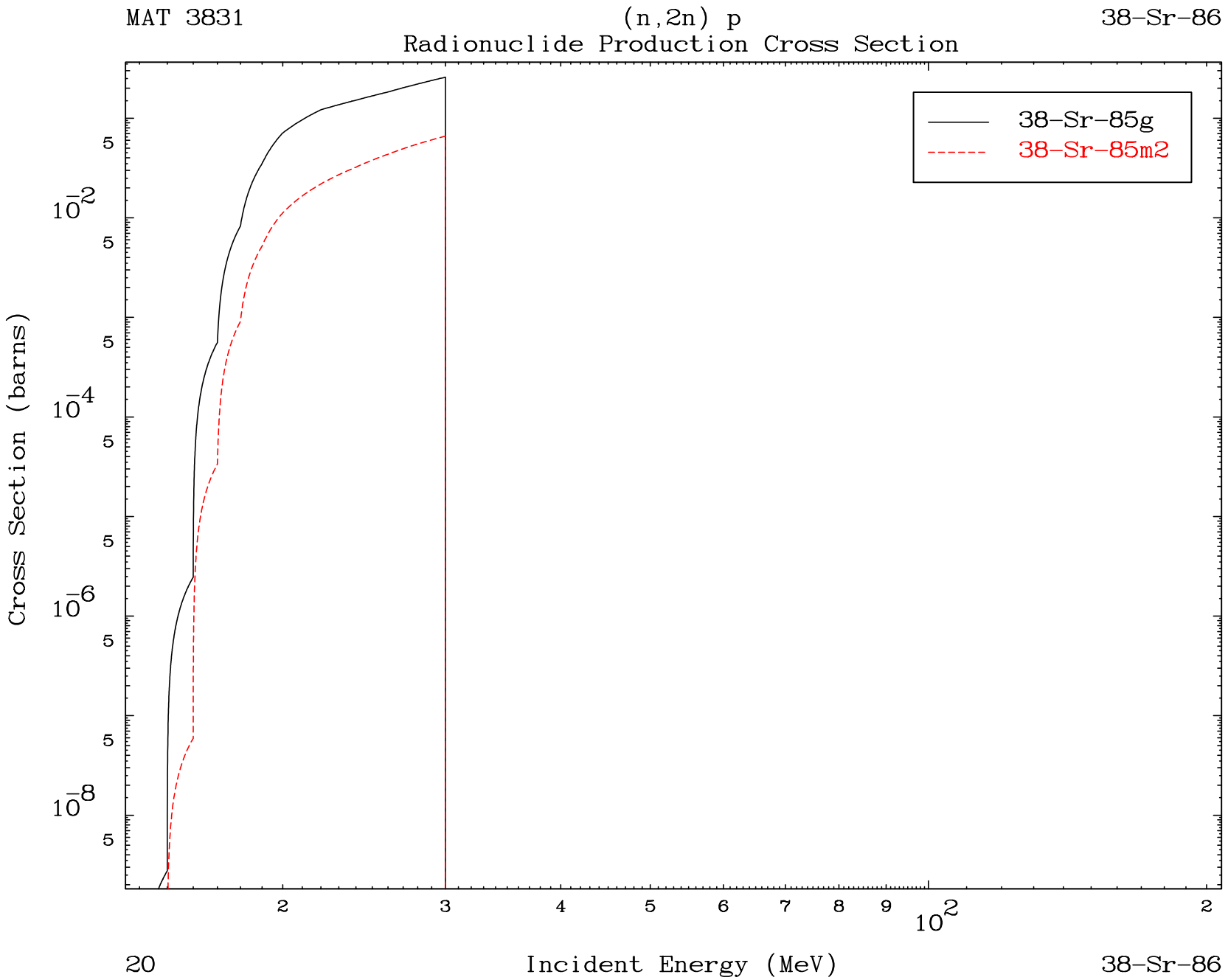

MAT 3831
(n,2n) α
38-Sr-86
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
Incident Energy (MeV)
15
38-Sr-86

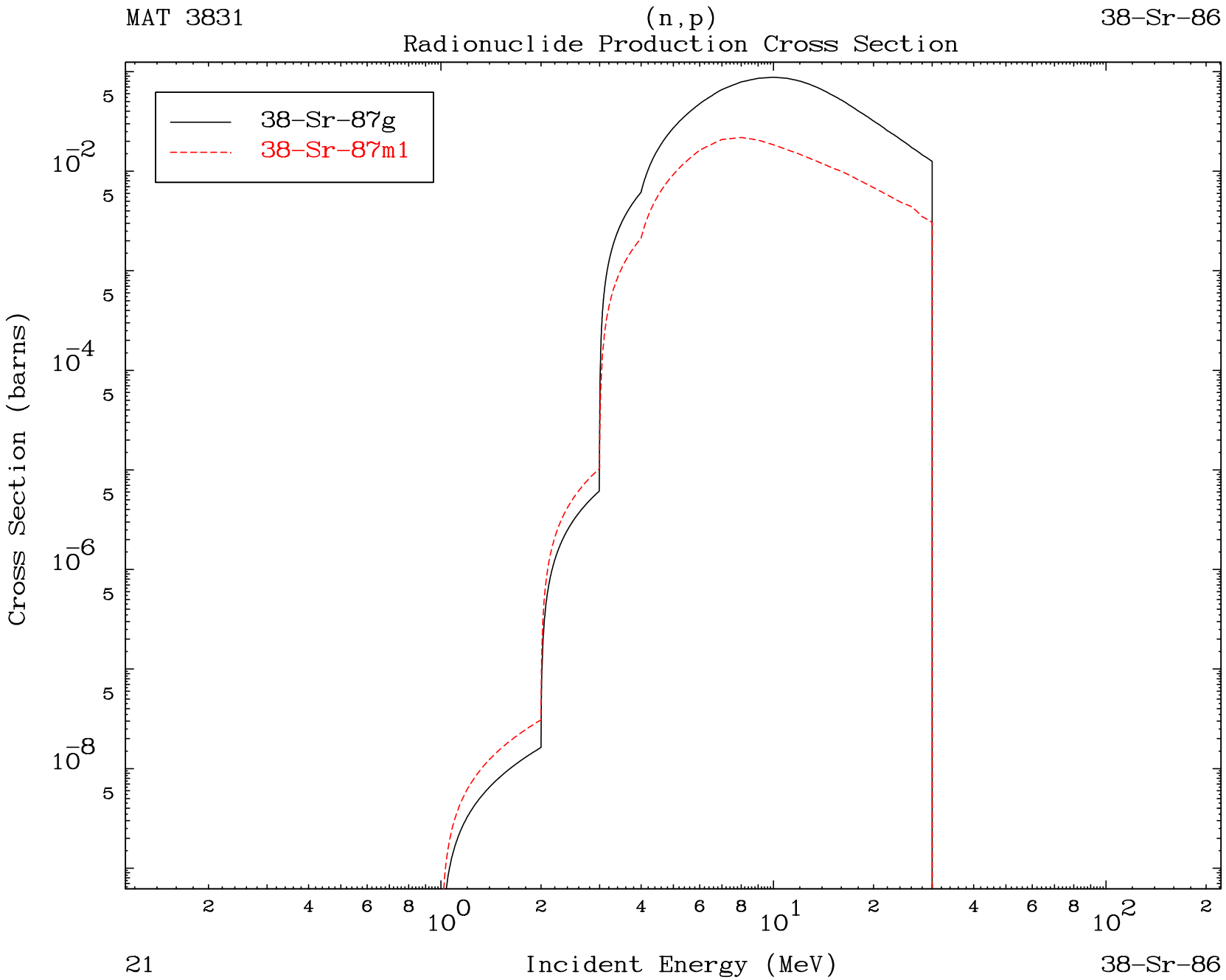

MAT 3831
(n,3n) α
38-Sr-86
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
10-9
10-10
10-11
10-12
5
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
38-Sr-86

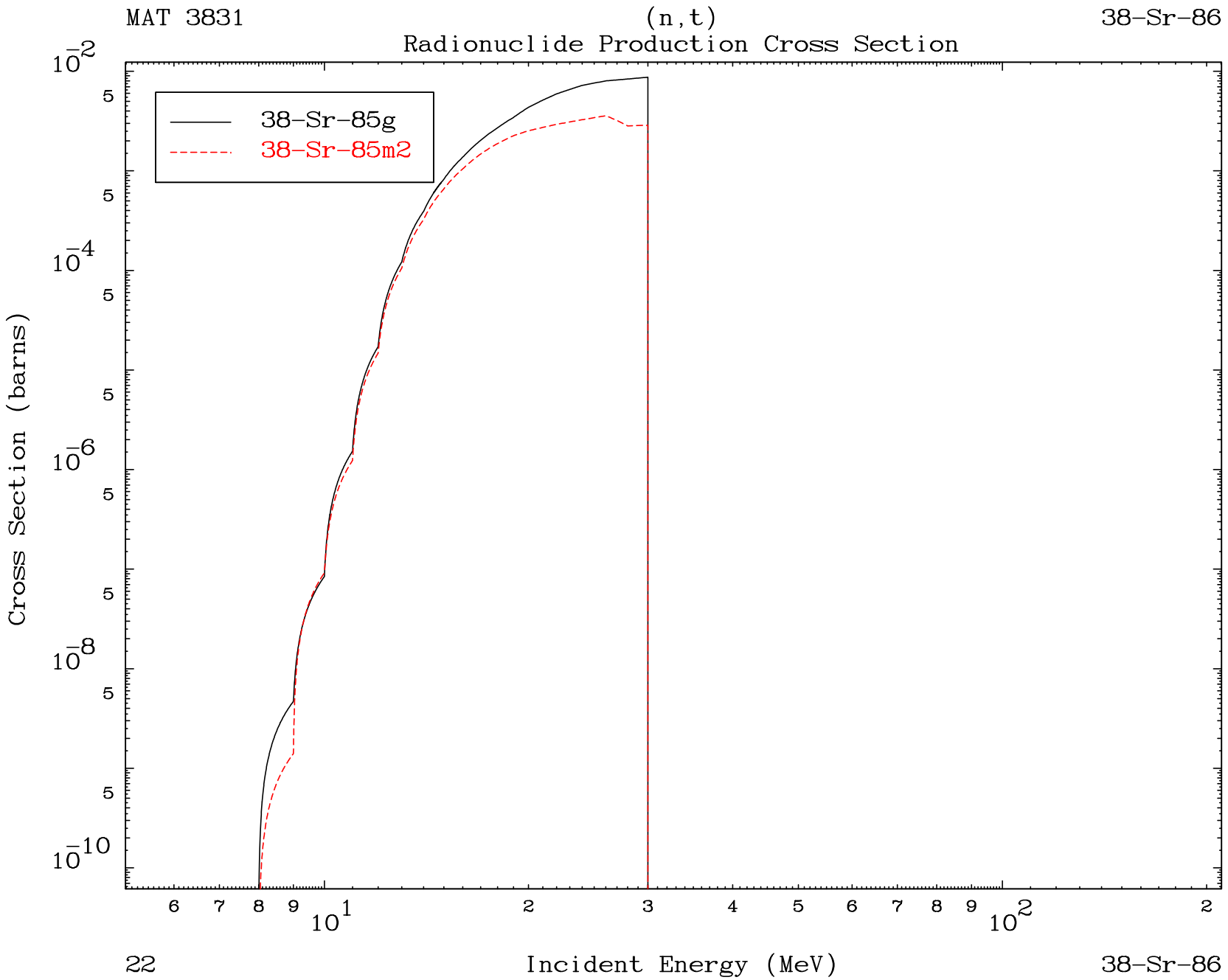

MAT 3831
(n,n') 2α
38-Sr-86
Radionuclide Production Cross Section
35-Br-79g
35-Br-79m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
38-Sr-86

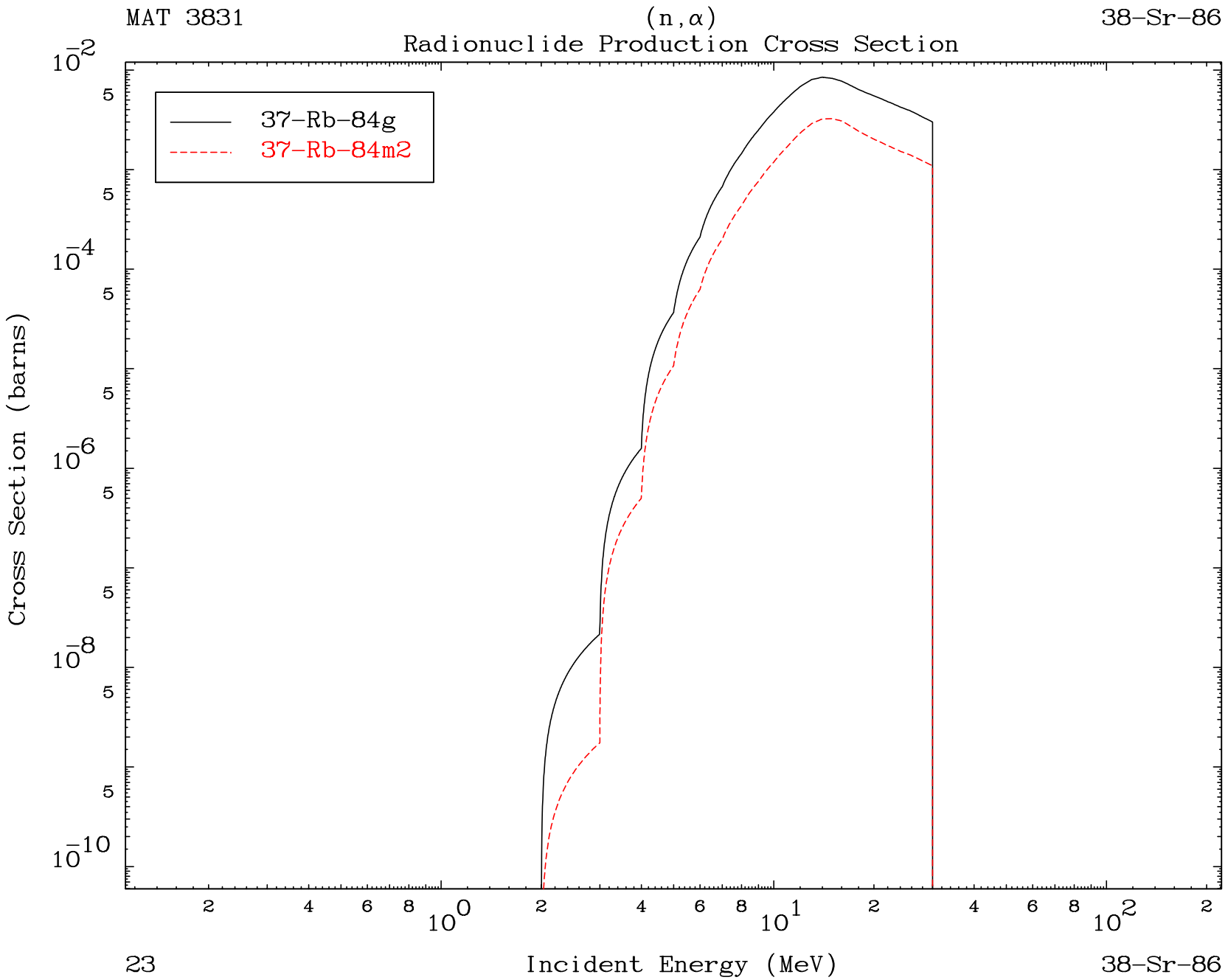

MAT 3831
(n,n') d
38-Sr-86
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
Incident Energy (MeV)
18
38-Sr-86

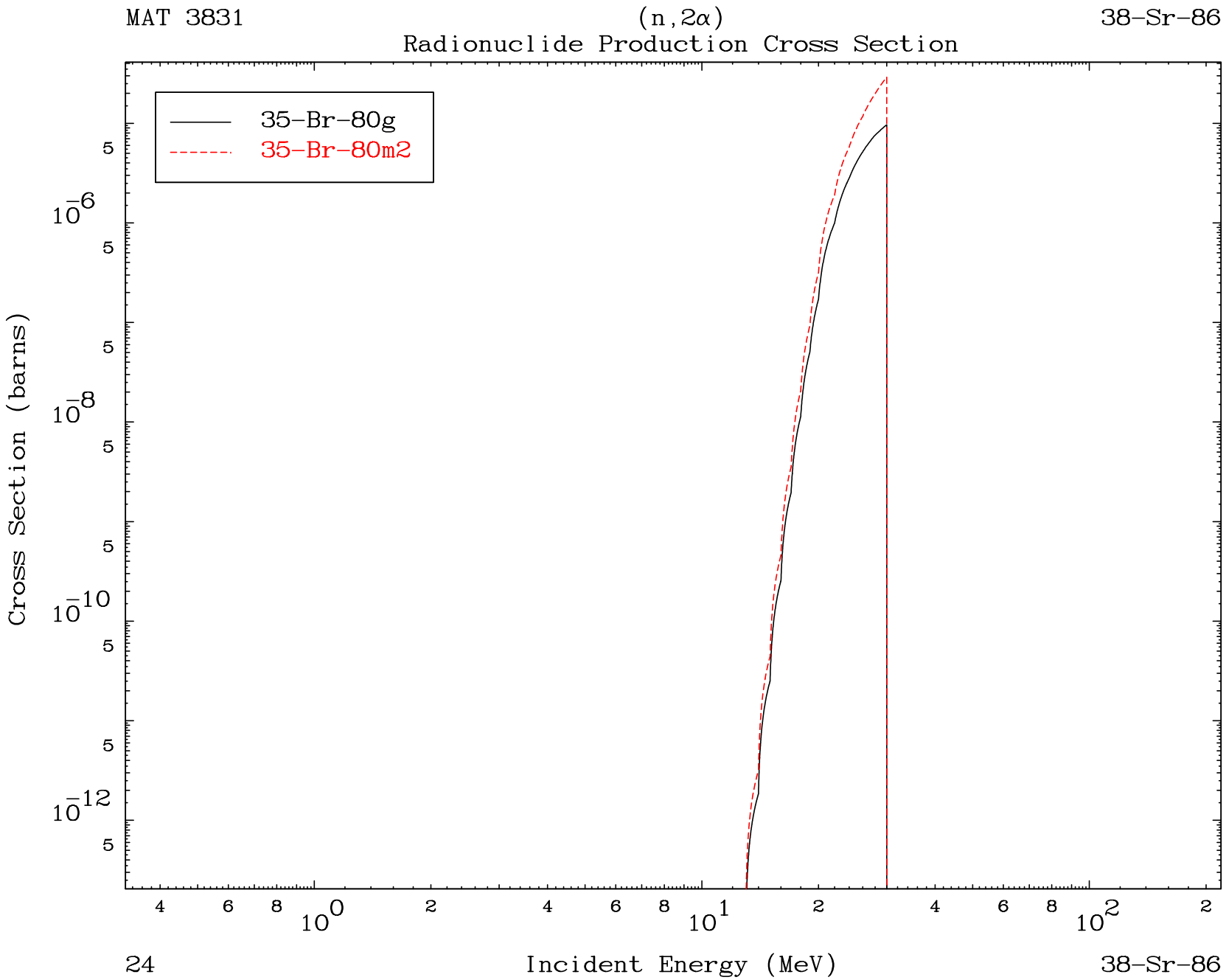

MAT 3831
(n,n') He-3
38-Sr-86
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
19
38-Sr-86

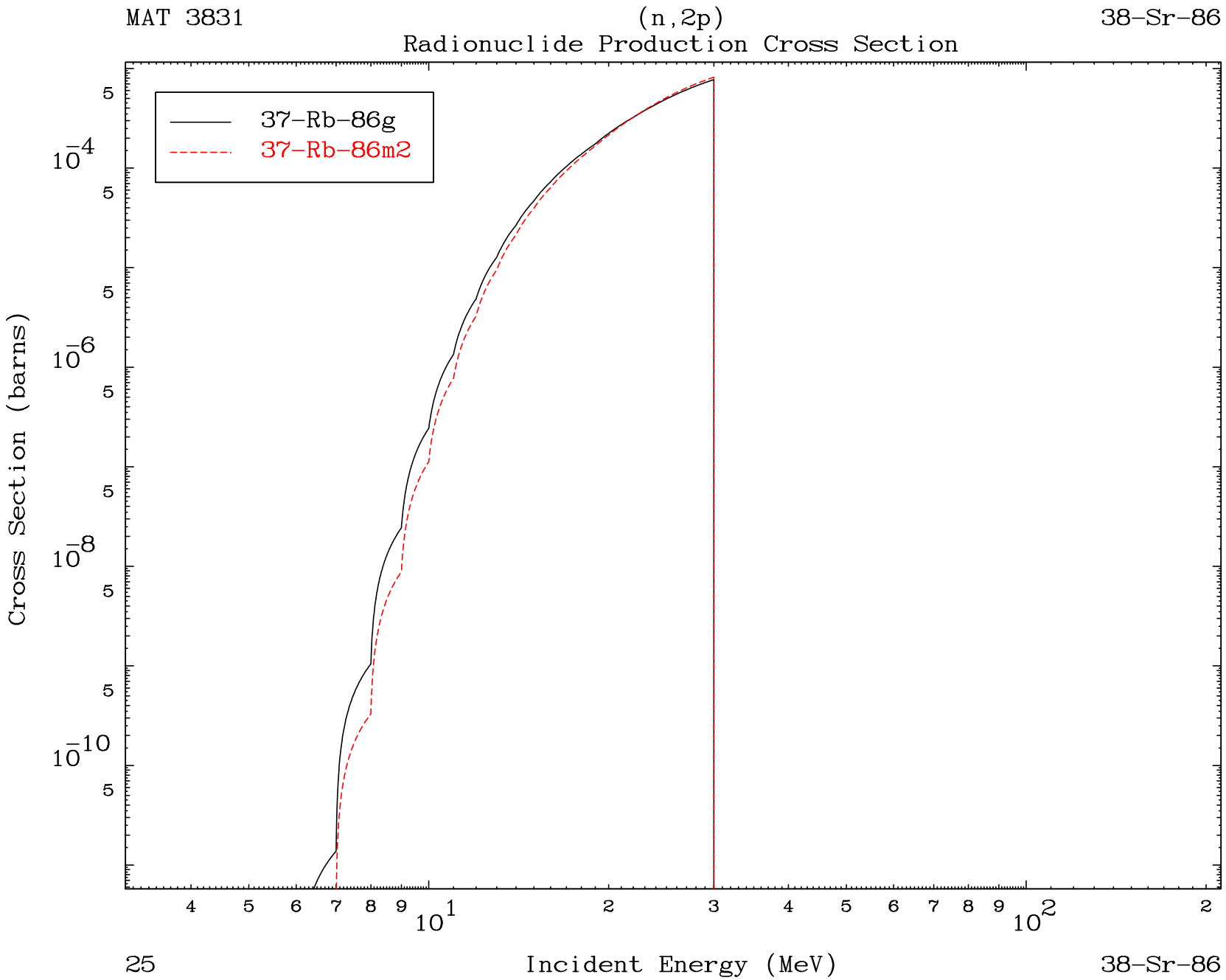

MAT 3831
(n,2n) p
38-Sr-86
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
38-Sr-86

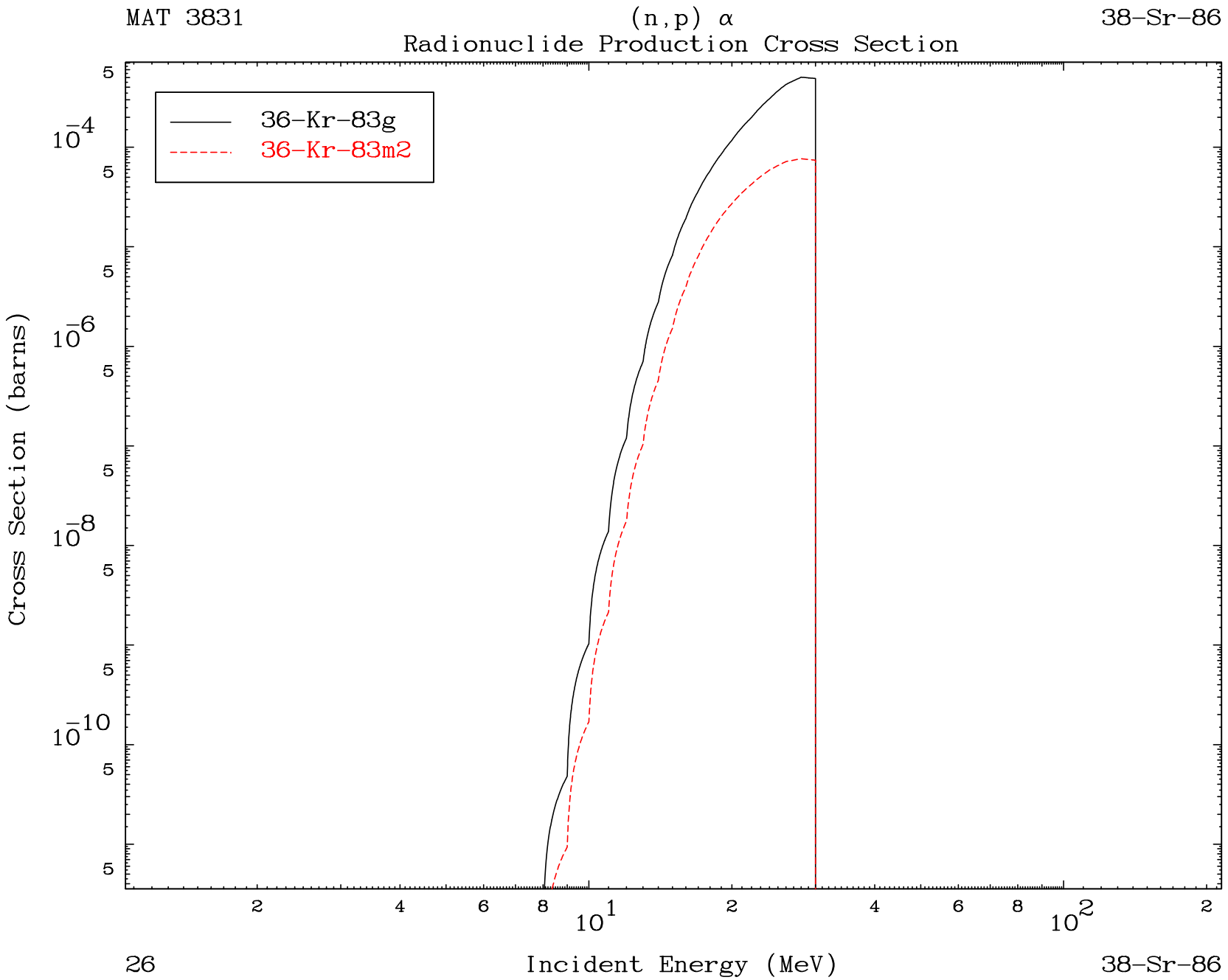

MAT 3831
(n,p)
38-Sr-86
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
Incident Energy (MeV)
21
38-Sr-86

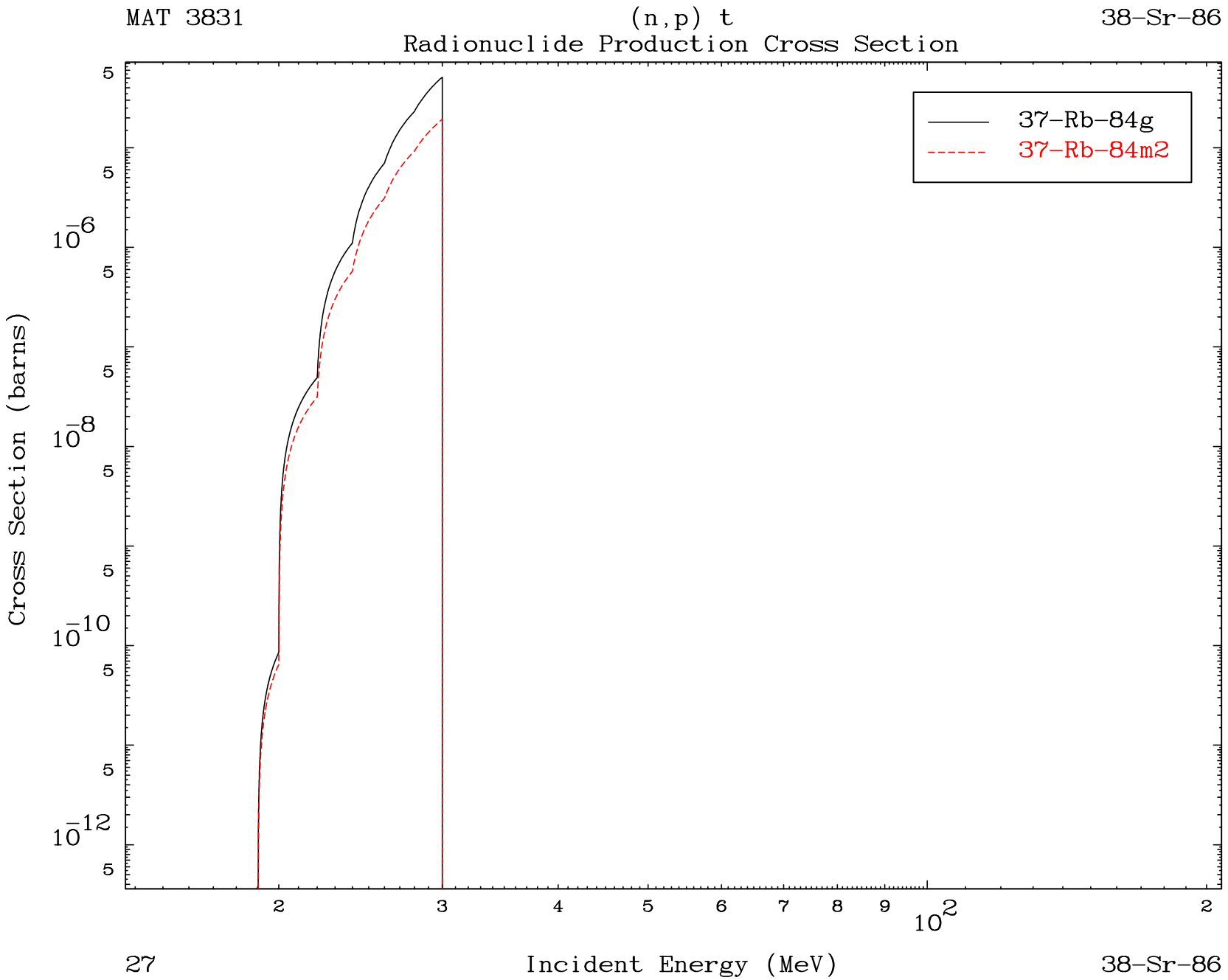

MAT 3831
(n,t)
38-Sr-86
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
Incident Energy (MeV)
22
38-Sr-86


MAT 3831
(n,α)
38-Sr-86
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
Incident Energy (MeV)
23
38-Sr-86


MAT 3831
(n,2α)
38-Sr-86
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
4
6
8
100
2
101
102
24
Incident Energy (MeV)
38-Sr-86


MAT 3831
(n,2p)
38-Sr-86
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
Cross Section (barns)
Incident Energy (MeV)
25
38-Sr-86


MAT 3831
(n,p) α
38-Sr-86
Radionuclide Production Cross Section
36-Kr-83g
36-Kr-83m2
Cross Section (barns)
Incident Energy (MeV)
26
38-Sr-86


MAT 3831
(n,p) t
38-Sr-86
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
27
Incident Energy (MeV)
38-Sr-86