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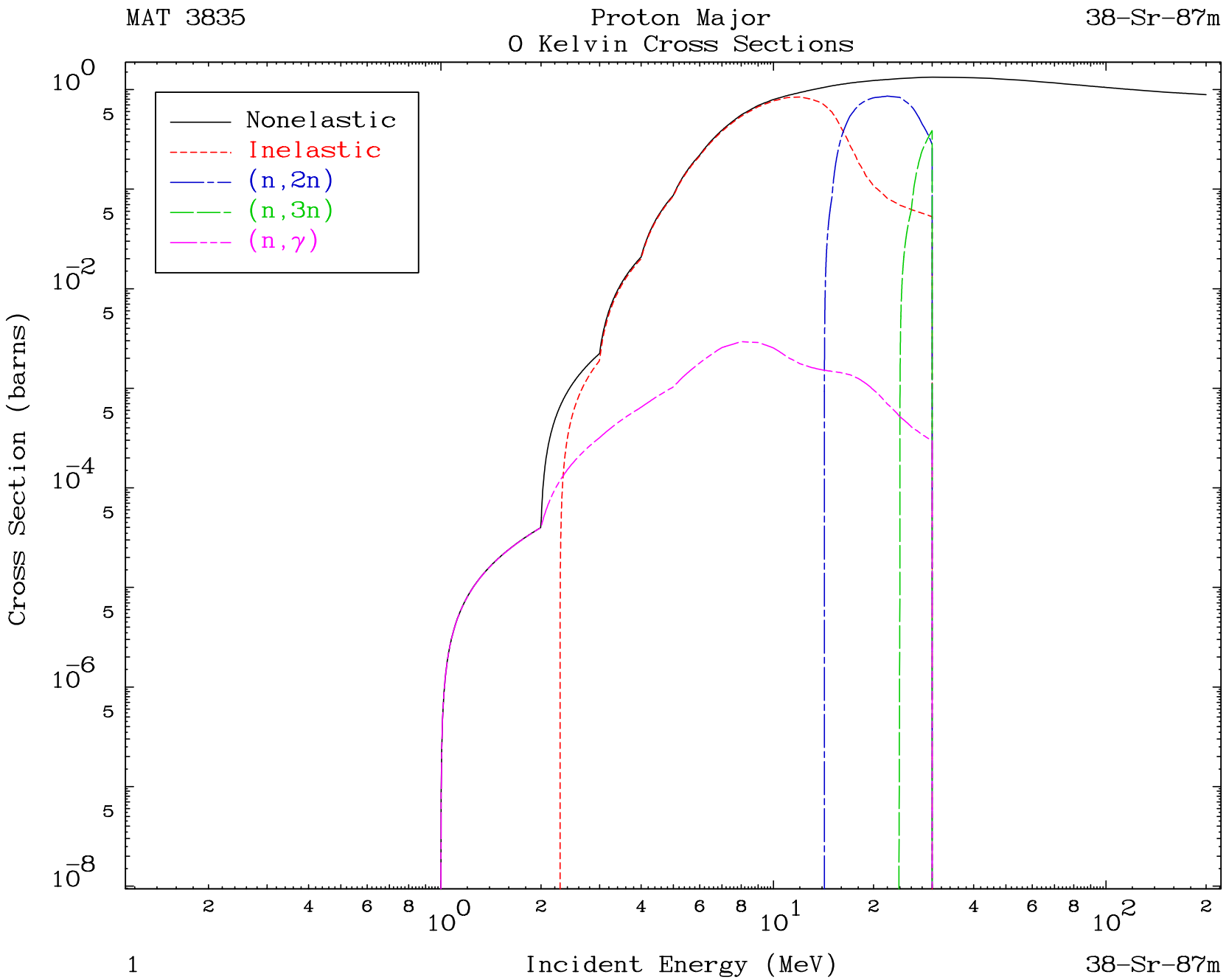
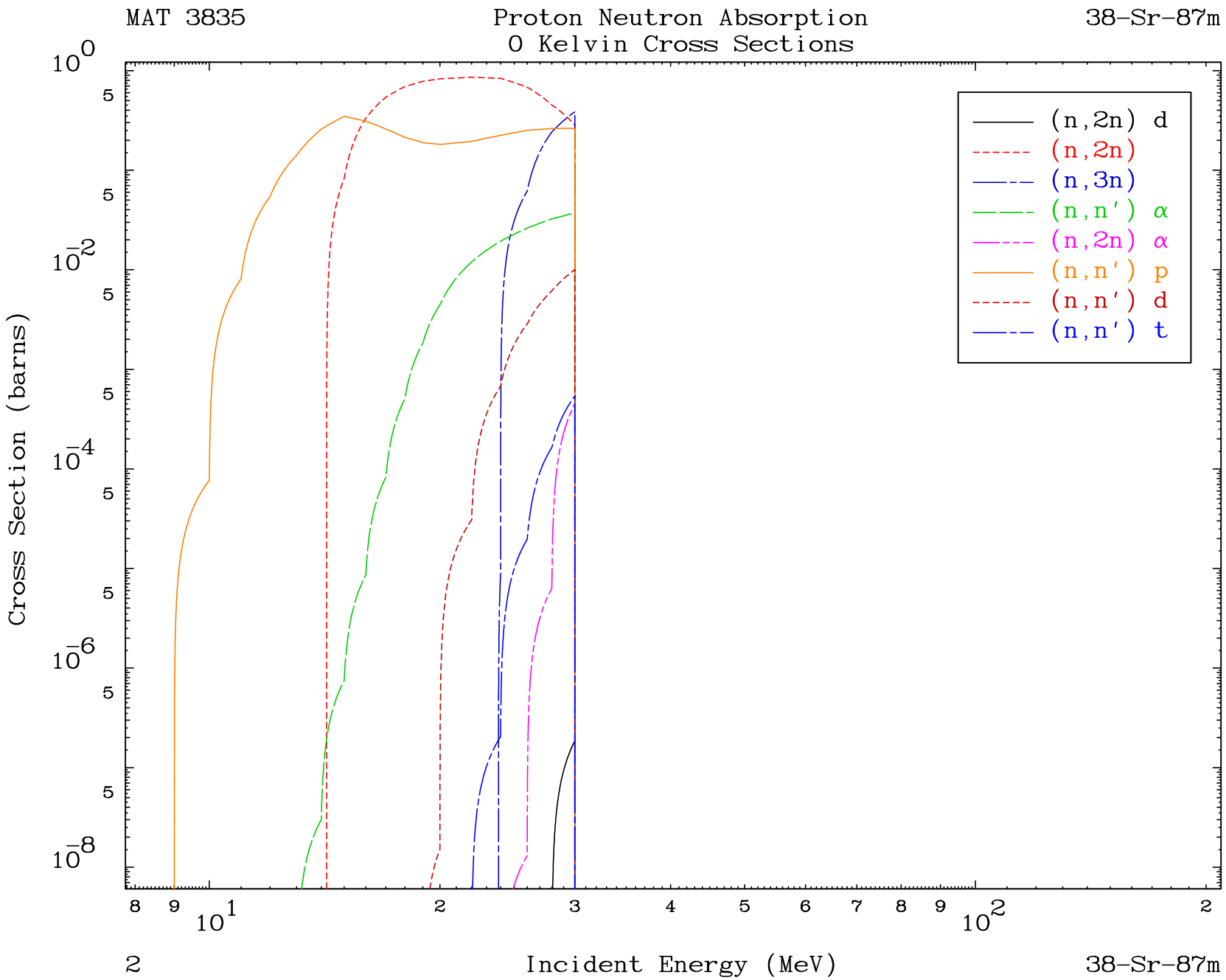
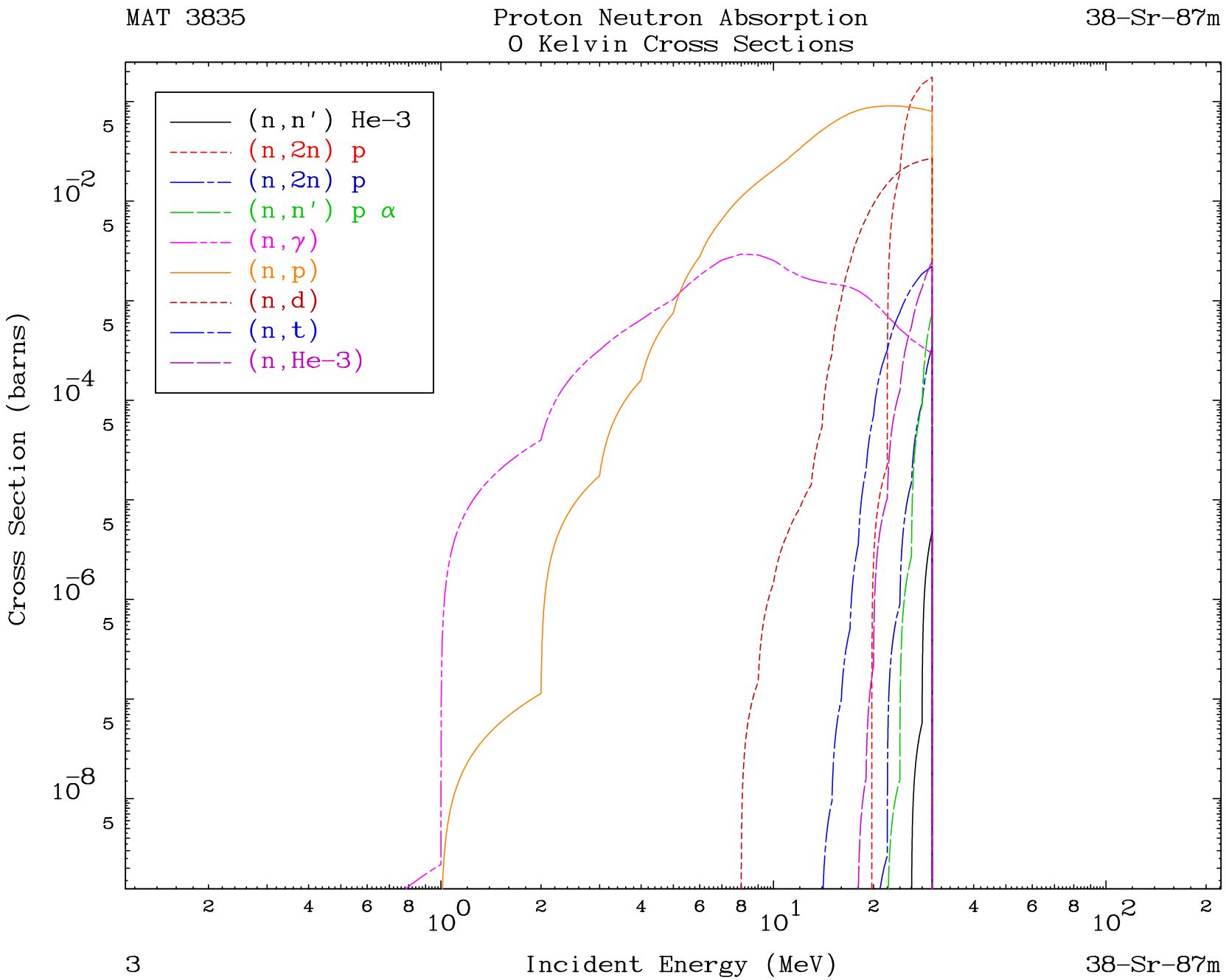
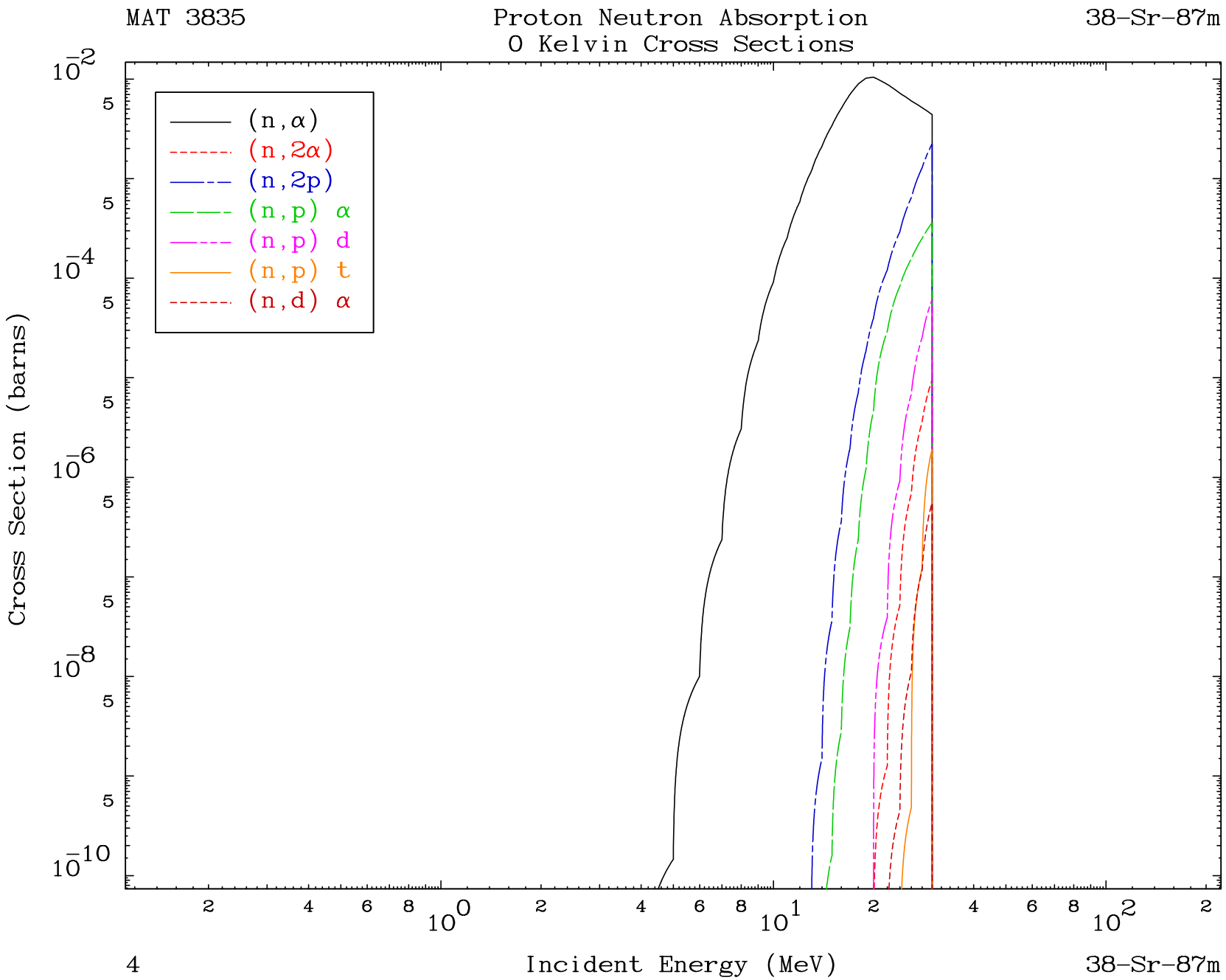
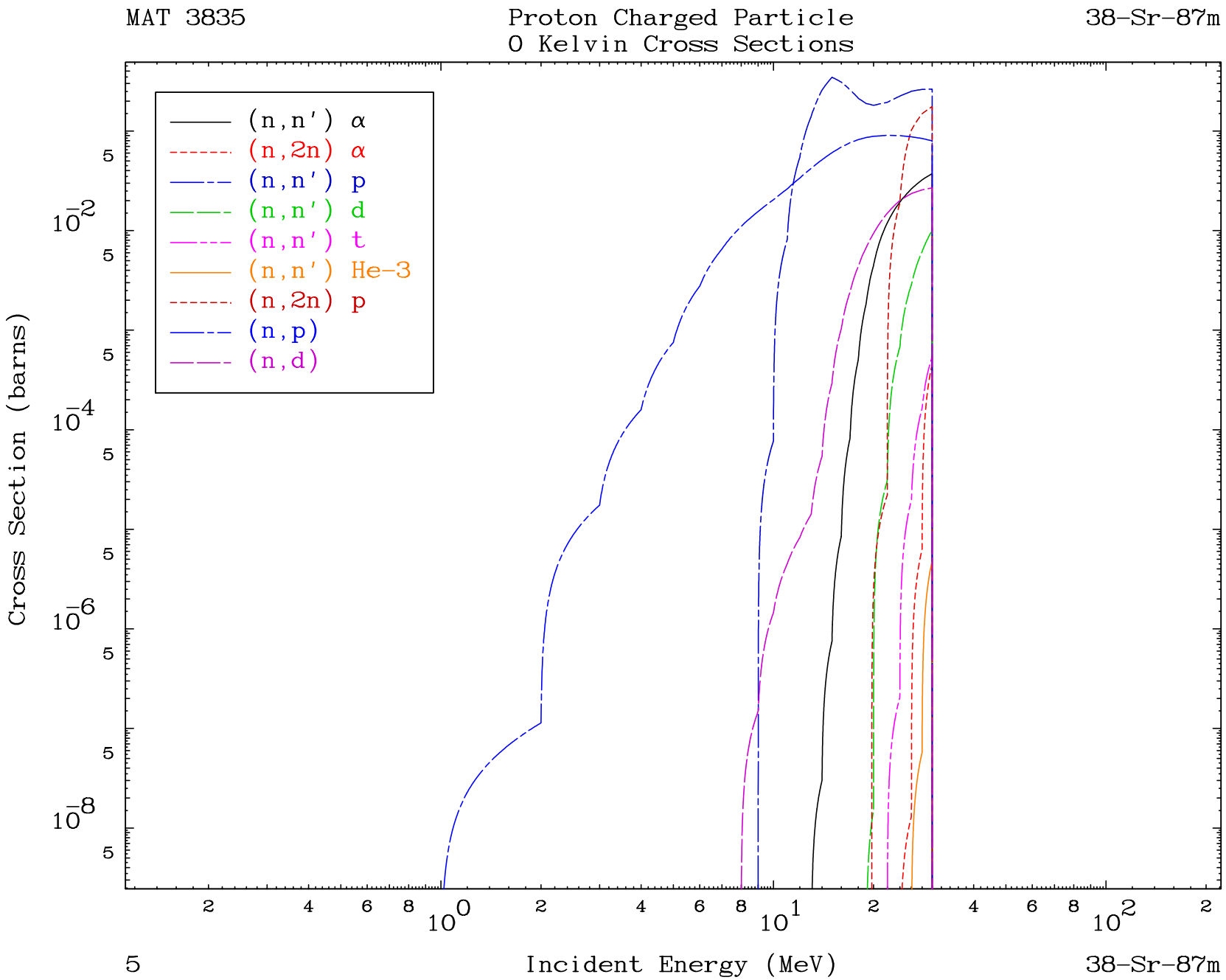
Press Mouse Button to Start

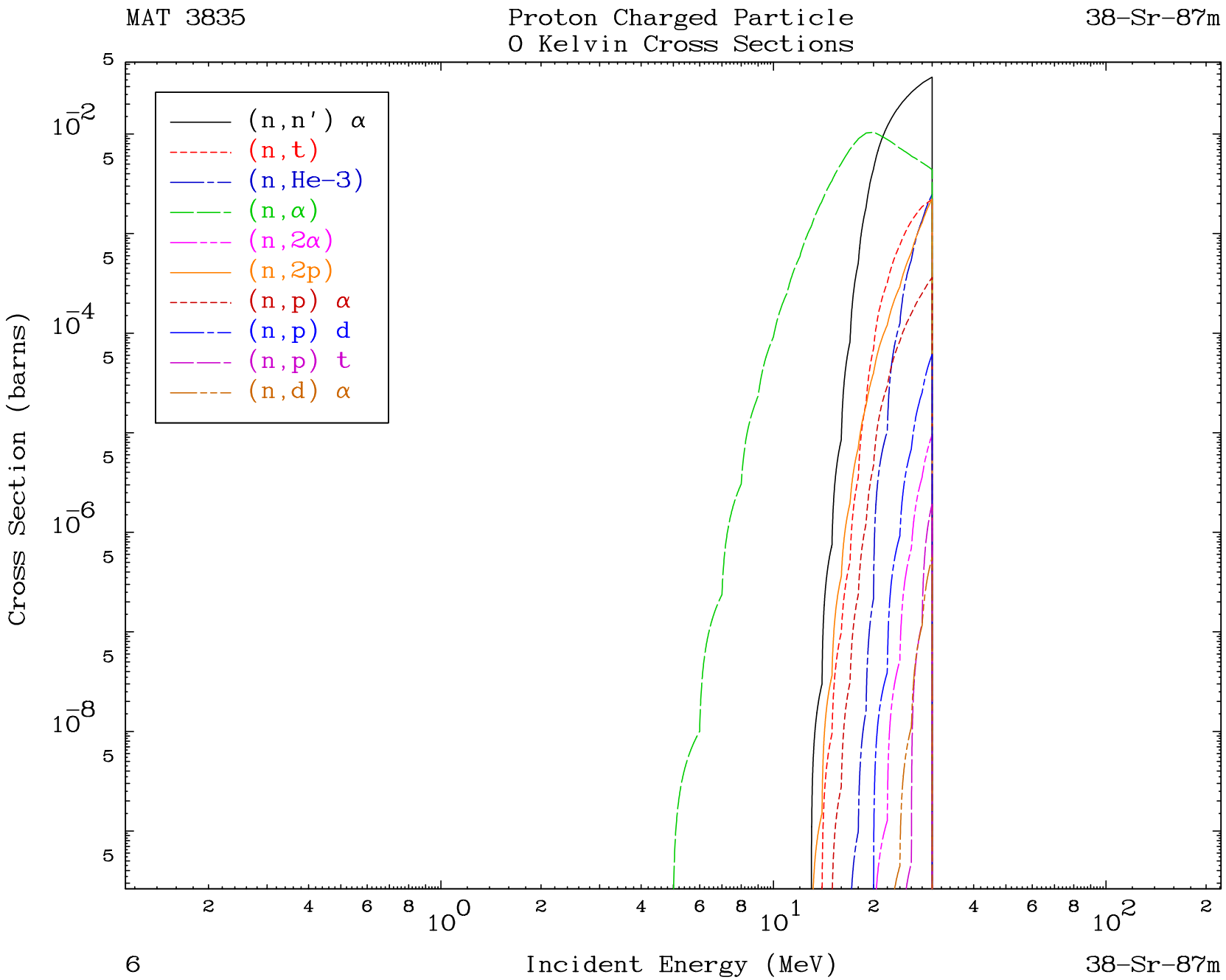

MAT 3835
Proton Major
38-Sr-87m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-87m
1

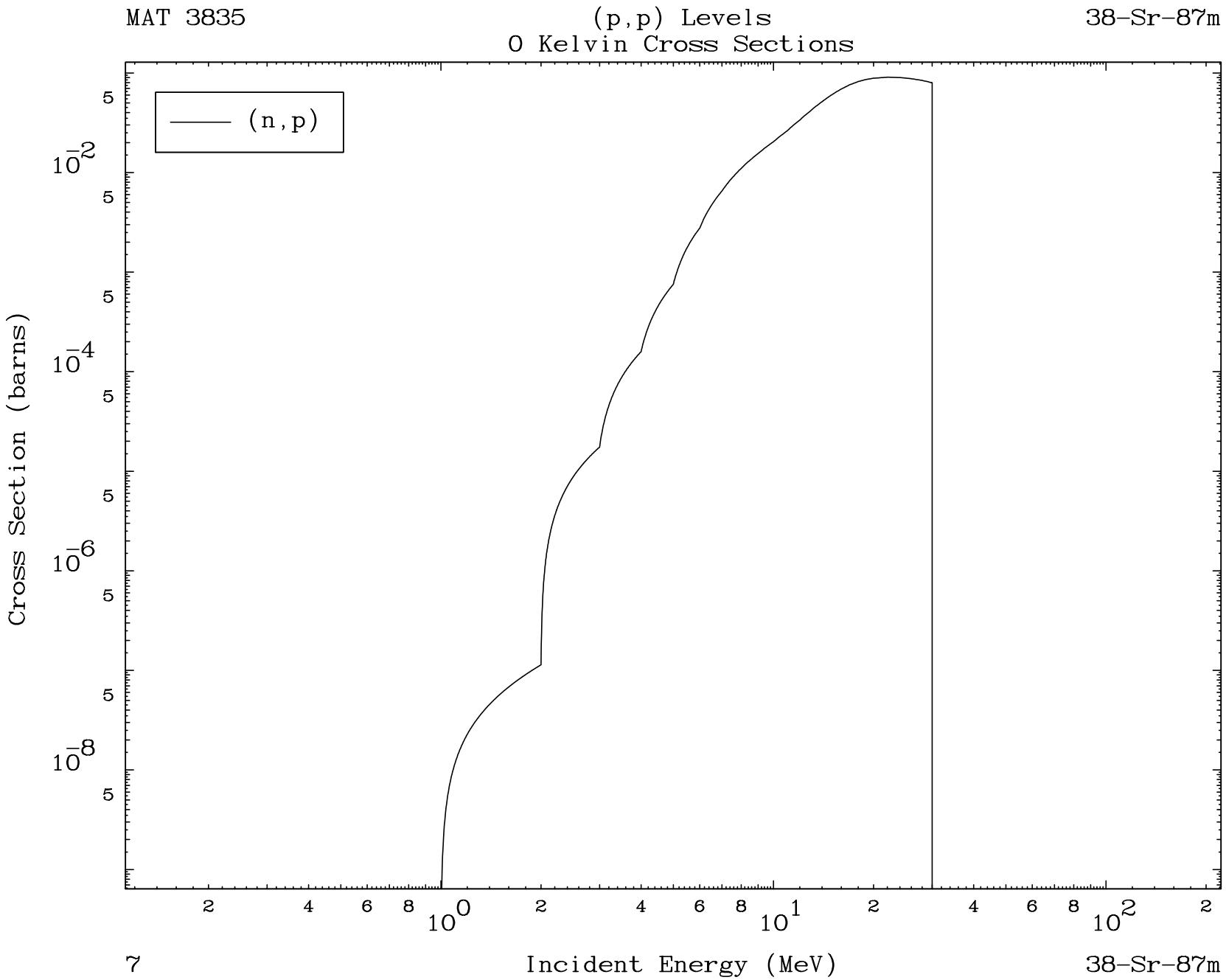

MAT 3835
Proton Neutron Absorption
0 Kelvin Cross Sections
38-Sr-87m
Cross Section (barns)
Incident Energy (MeV)
38-Sr-87m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t

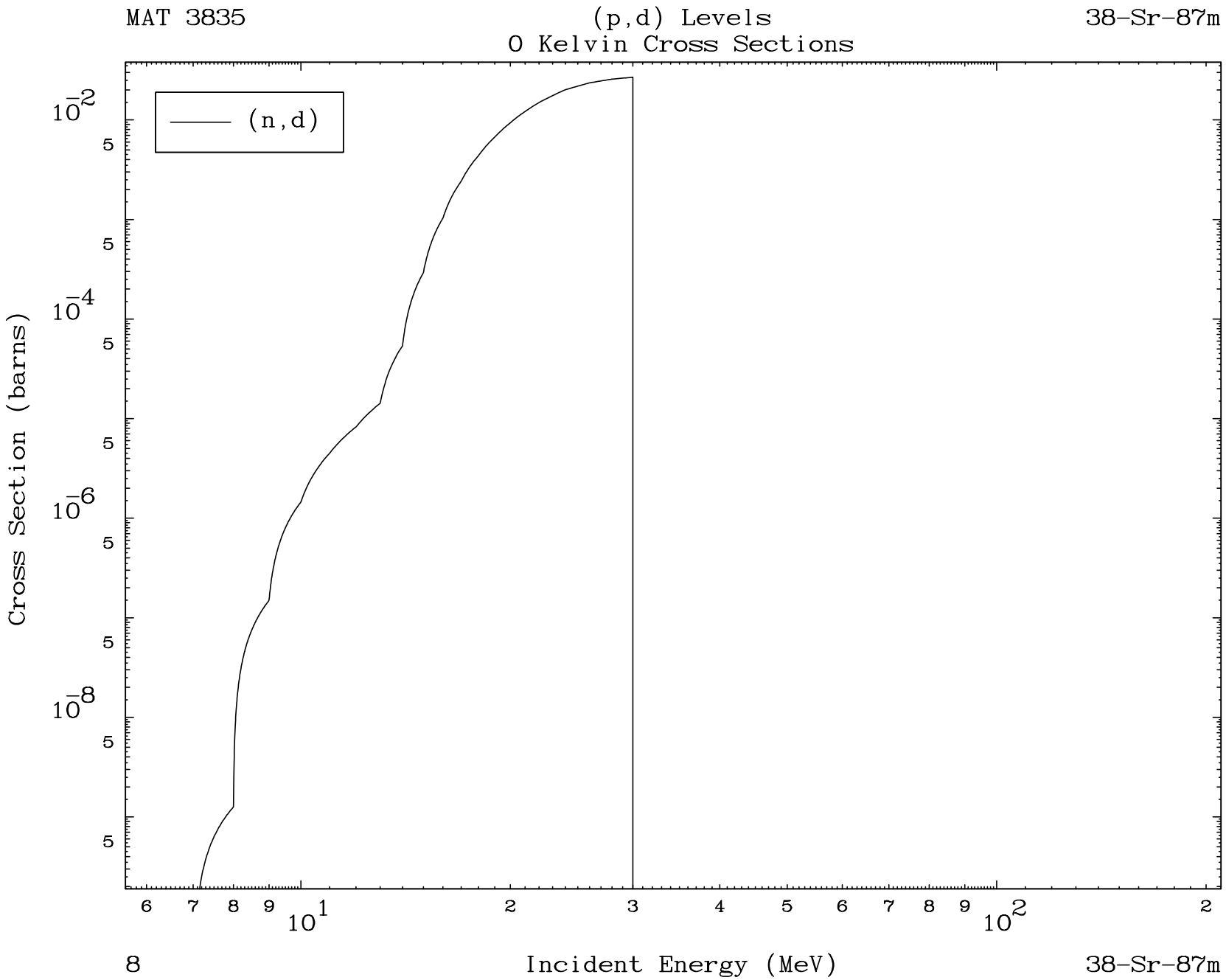

MAT 3835
Proton Neutron Absorption
0 Kelvin Cross Sections
38-Sr-87m
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
38-Sr-87m

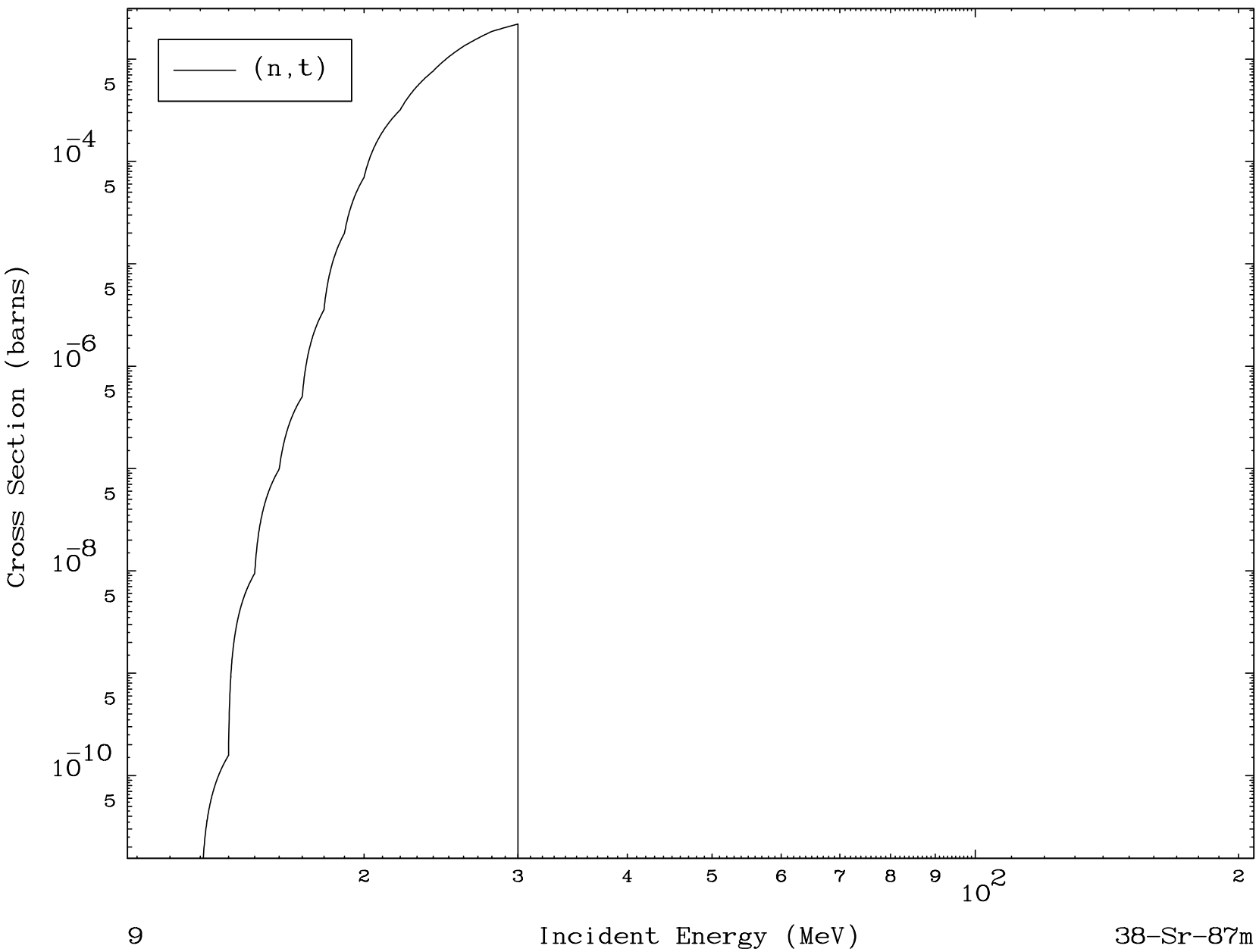

MAT 3835
Proton Neutron Absorption
0 Kelvin Cross Sections
38-Sr-87m
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
38-Sr-87m

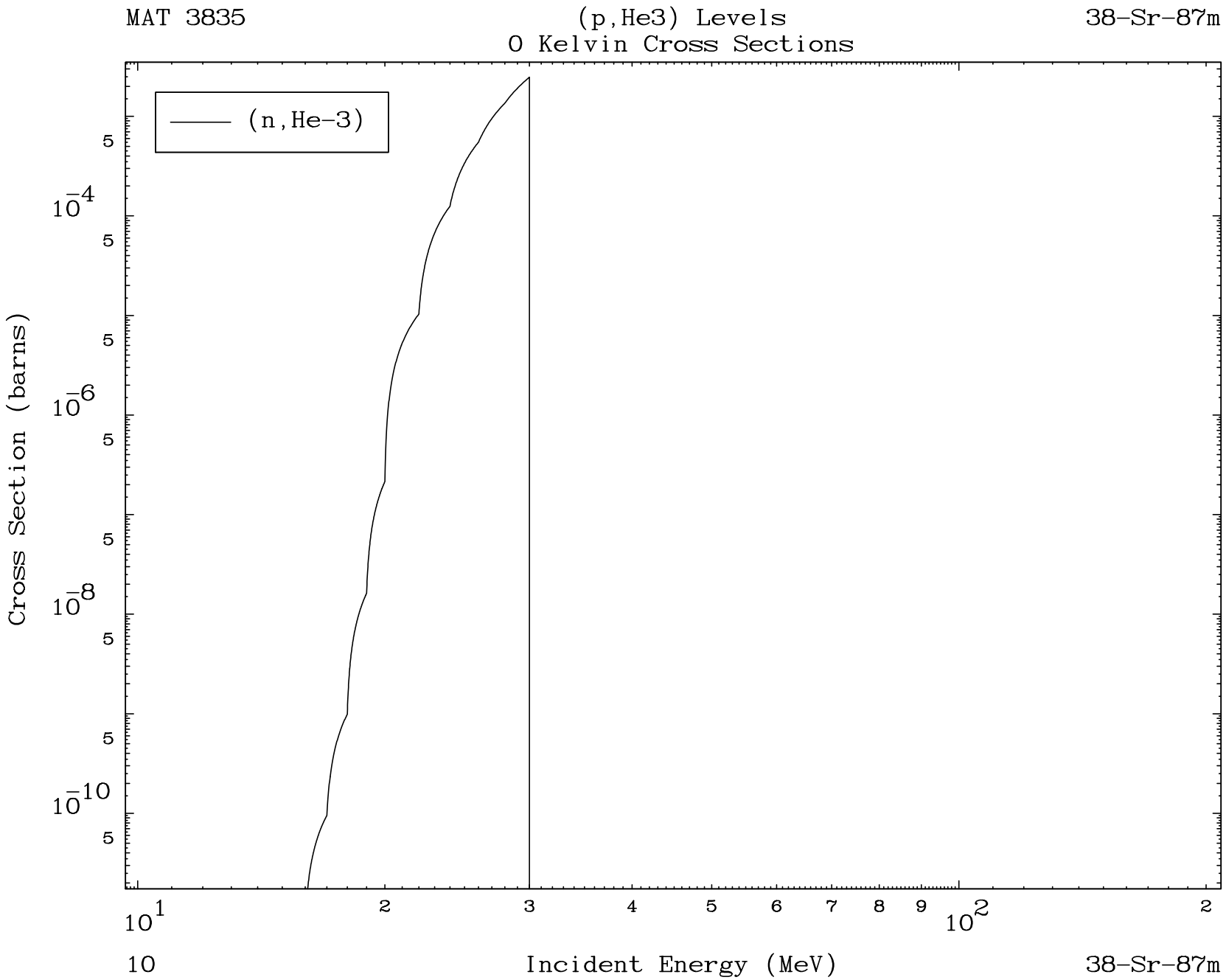

MAT 3835
Proton Charged Particle
0 Kelvin Cross Sections
38-Sr-87m
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
5
38-Sr-87m

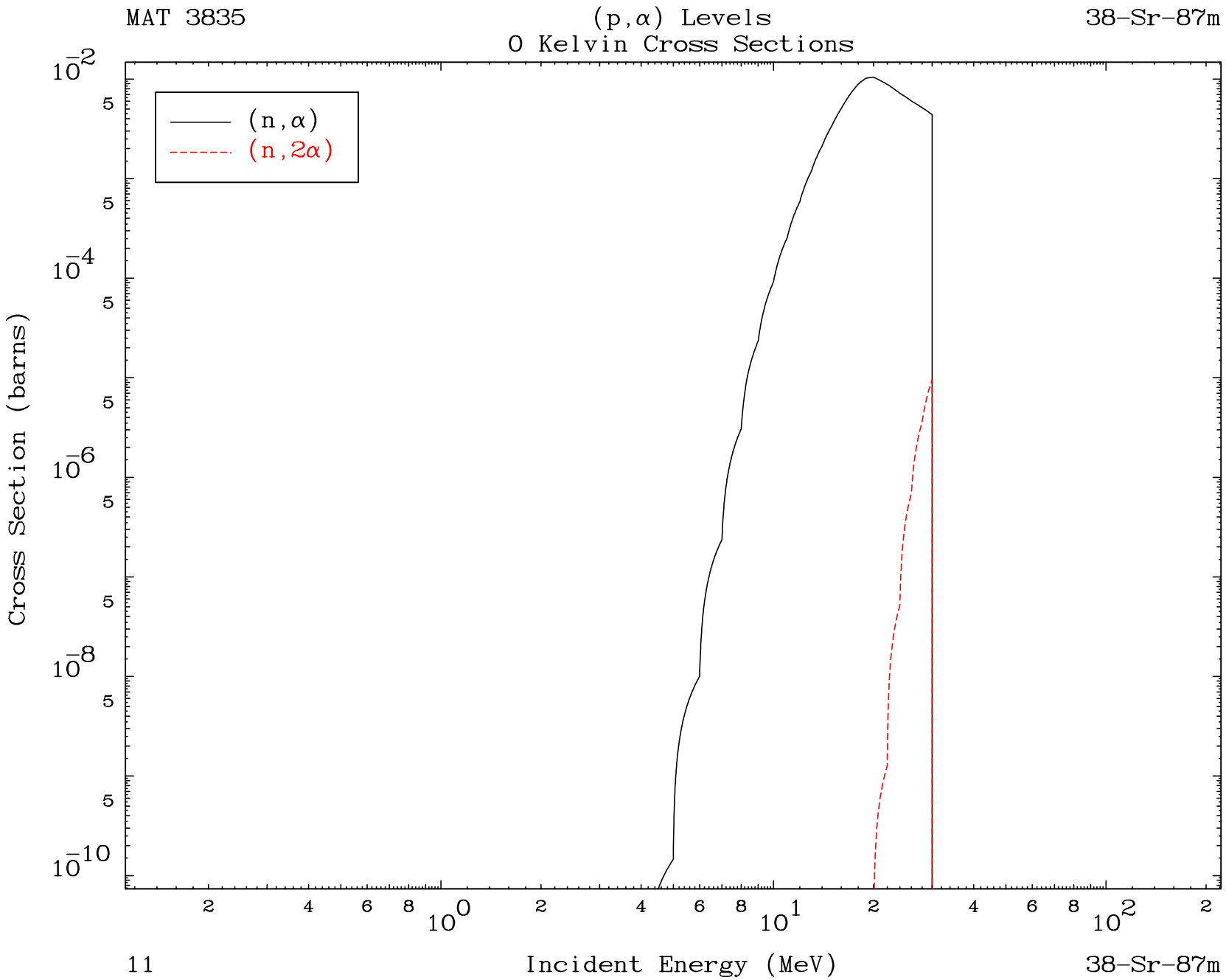

MAT 3835
Proton Charged Particle
0 Kelvin Cross Sections
38-Sr-87m
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
38-Sr-87m

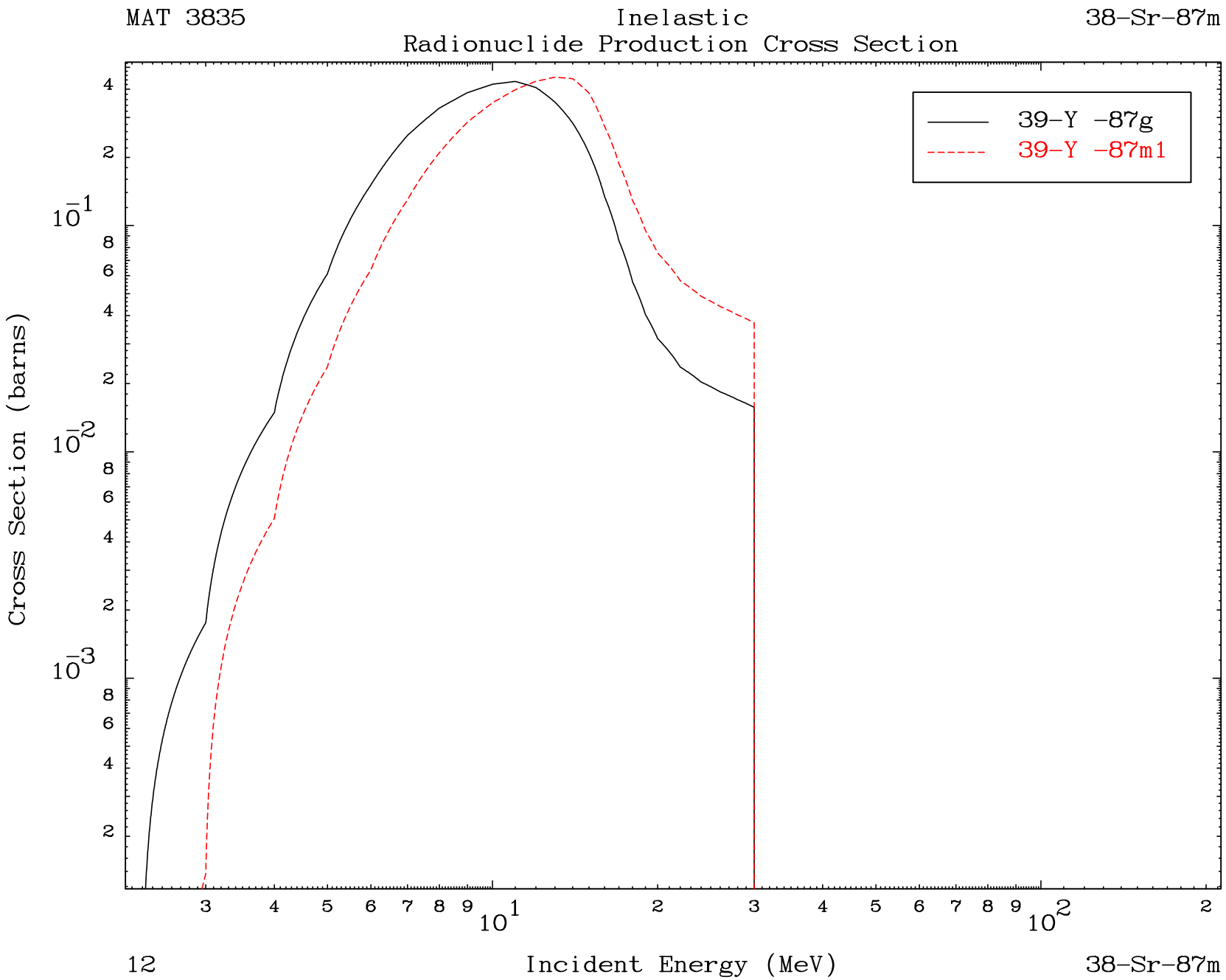

MAT 3835
(p,p) Levels
38-Sr-87m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
38-Sr-87m

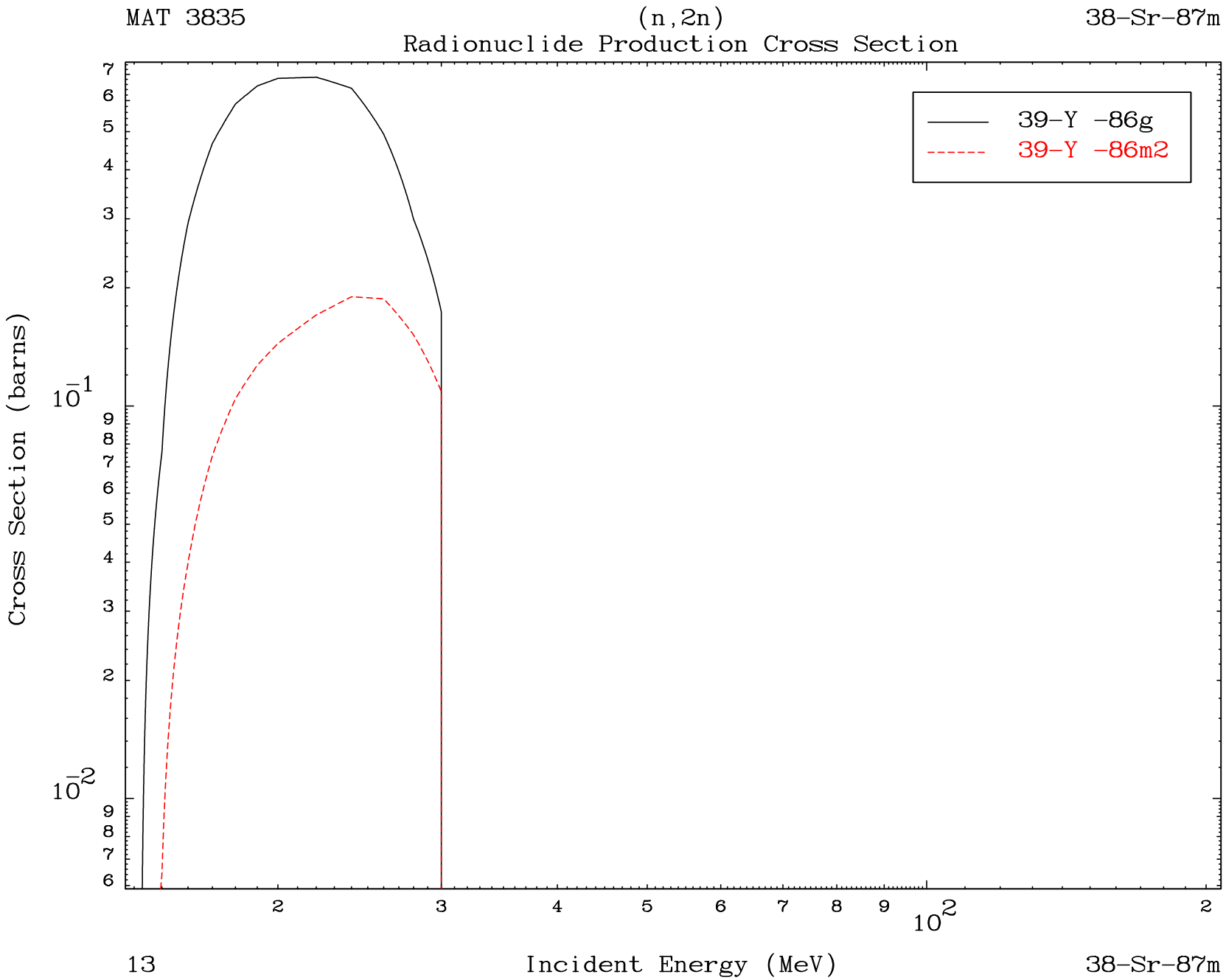

MAT 3835
(p,d) Levels
38-Sr-87m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-87m
8

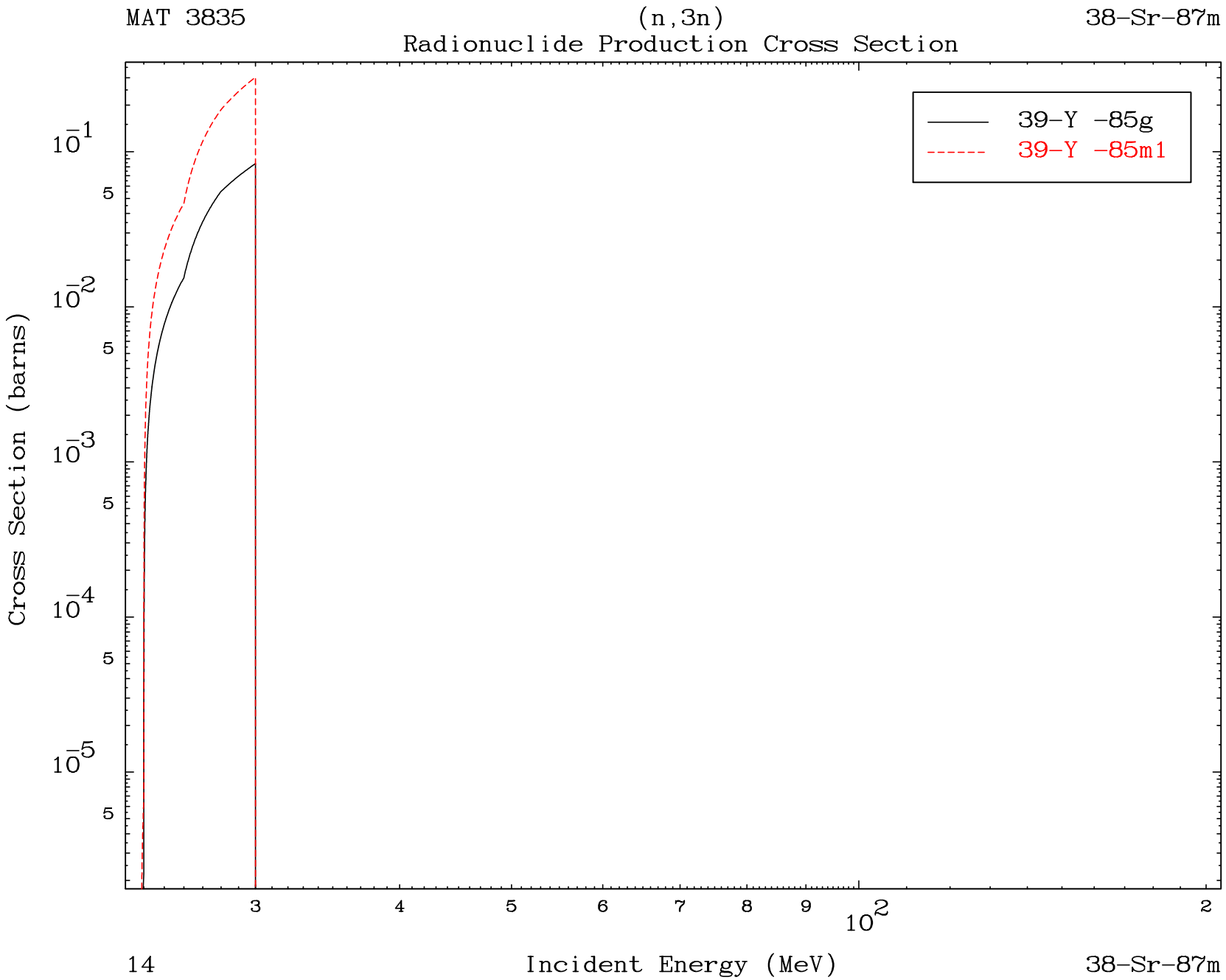

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

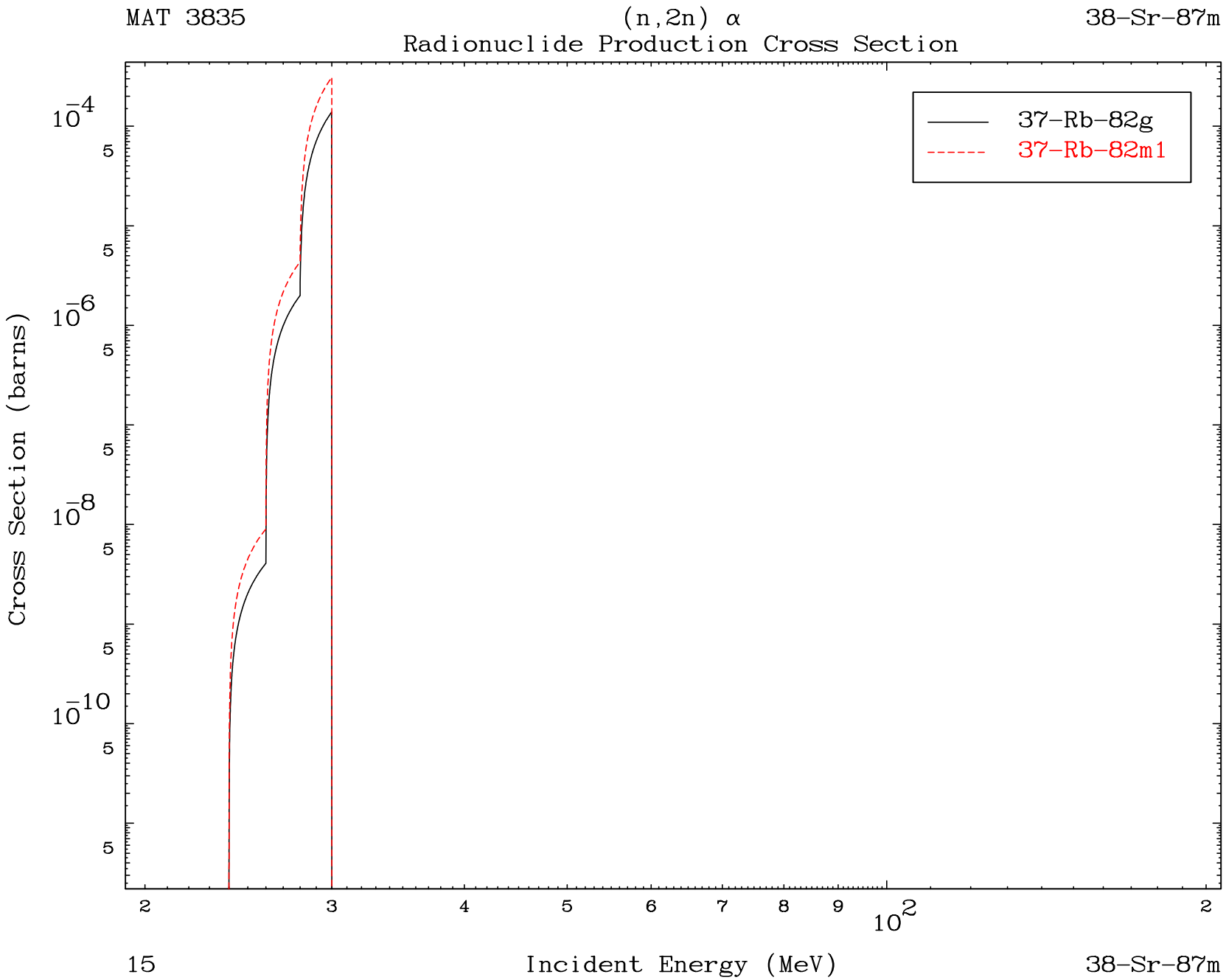

MAT 3835
(p,He3) Levels
38-Sr-87m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
38-Sr-87m

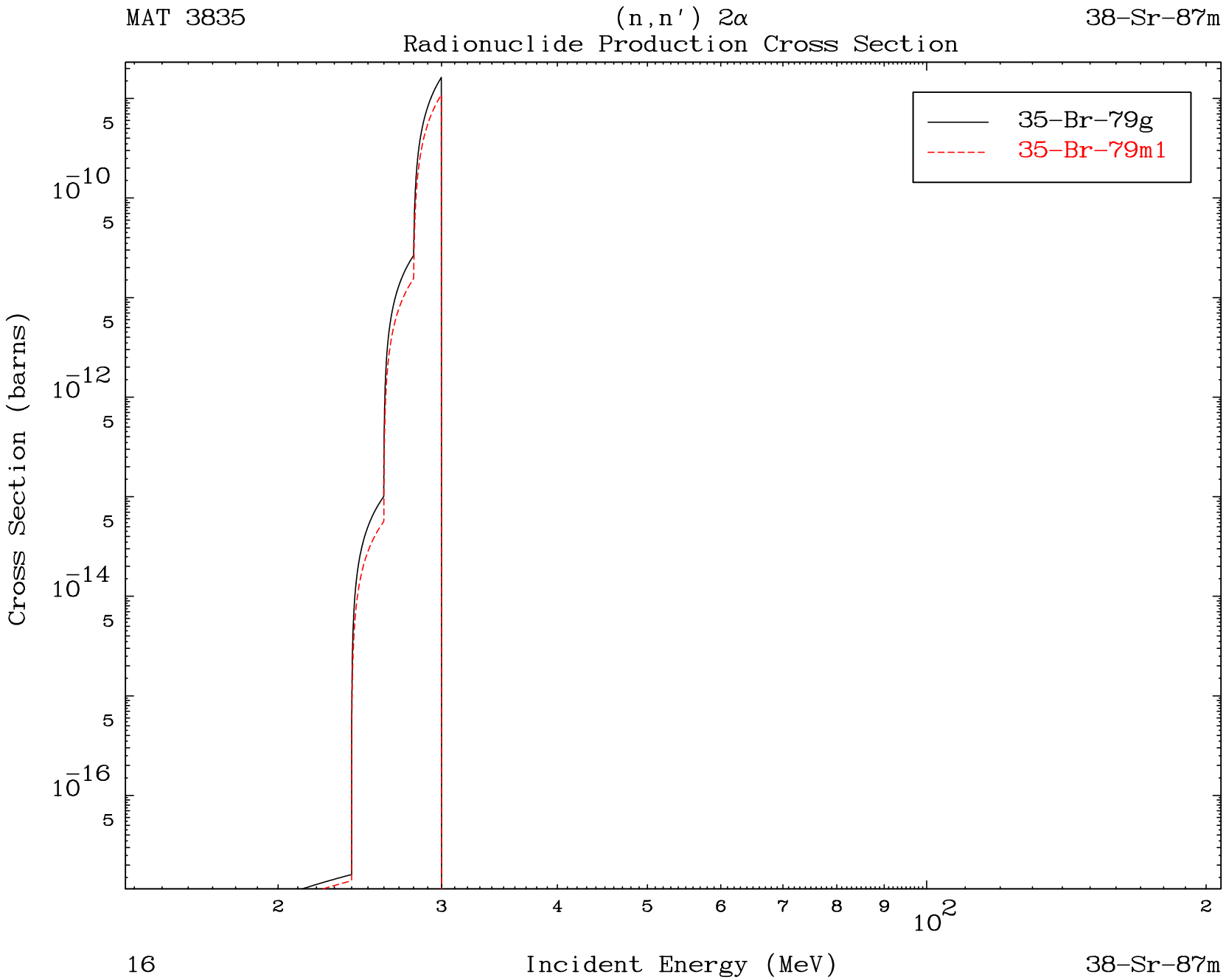

MAT 3835
(p,α) Levels
38-Sr-87m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
38-Sr-87m

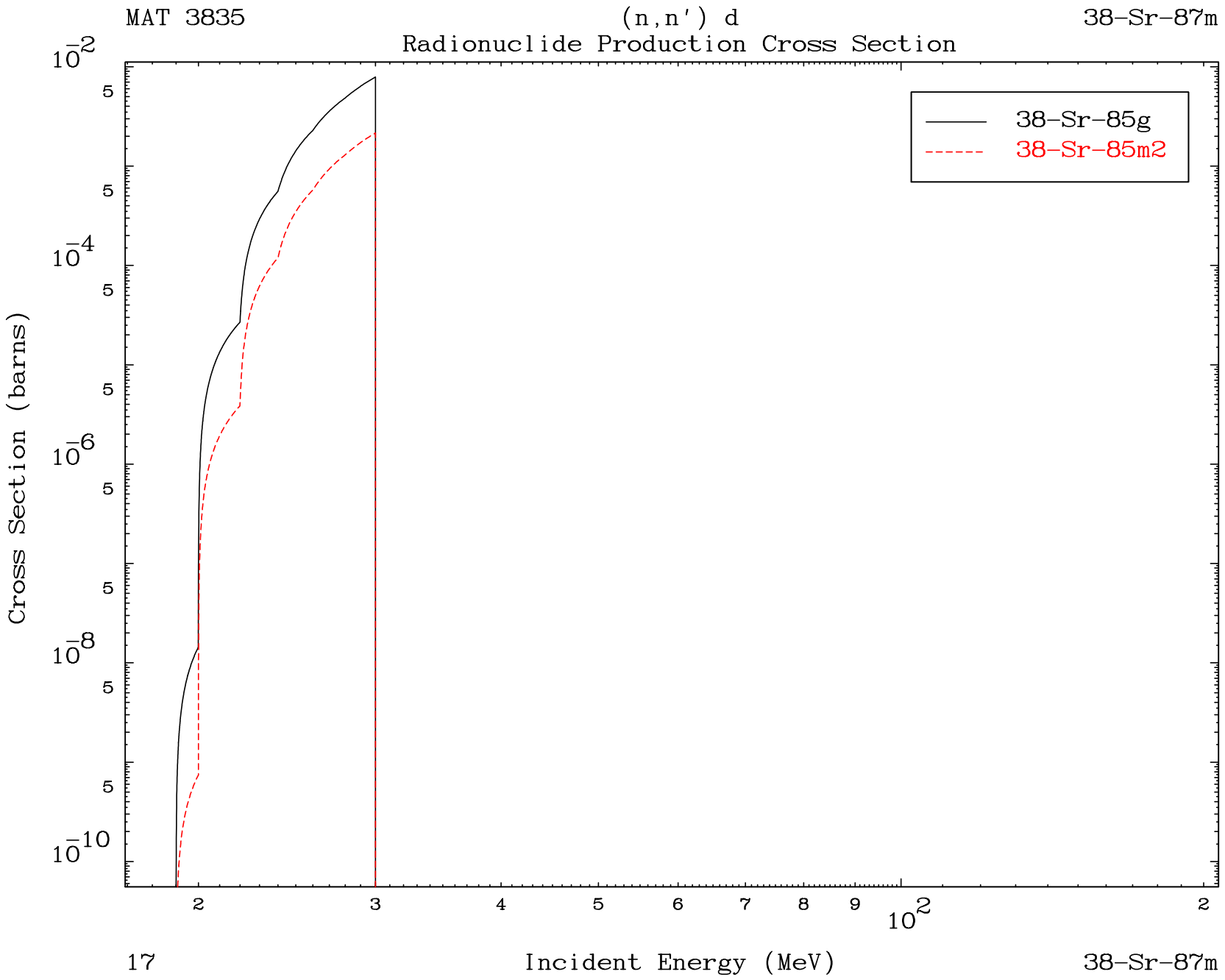

MAT 3835
Inelastic
38-Sr-87m
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
Incident Energy (MeV)
12
38-Sr-87m

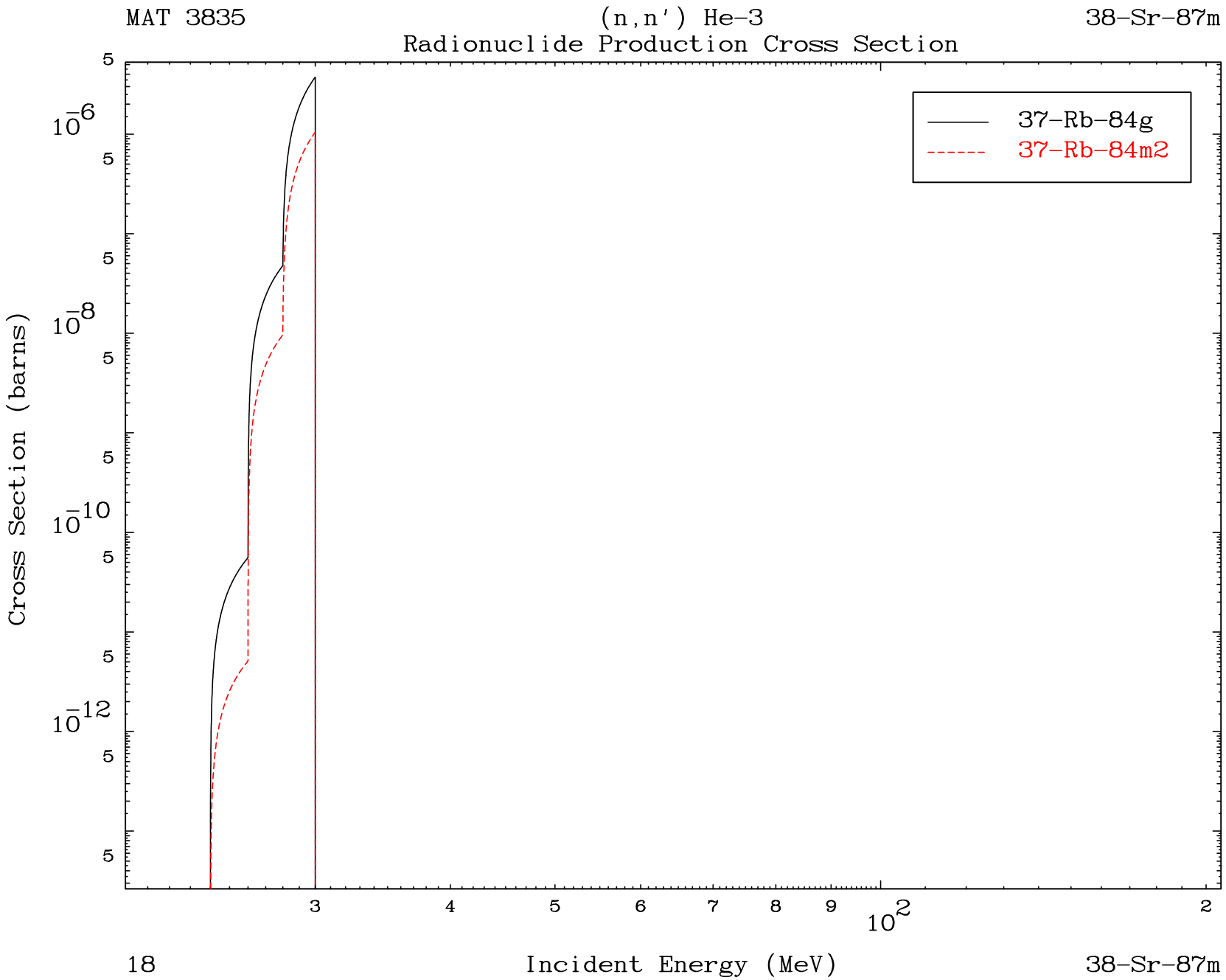

MAT 3835
(n,2n)
38-Sr-87m
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
Incident Energy (MeV)
13
38-Sr-87m

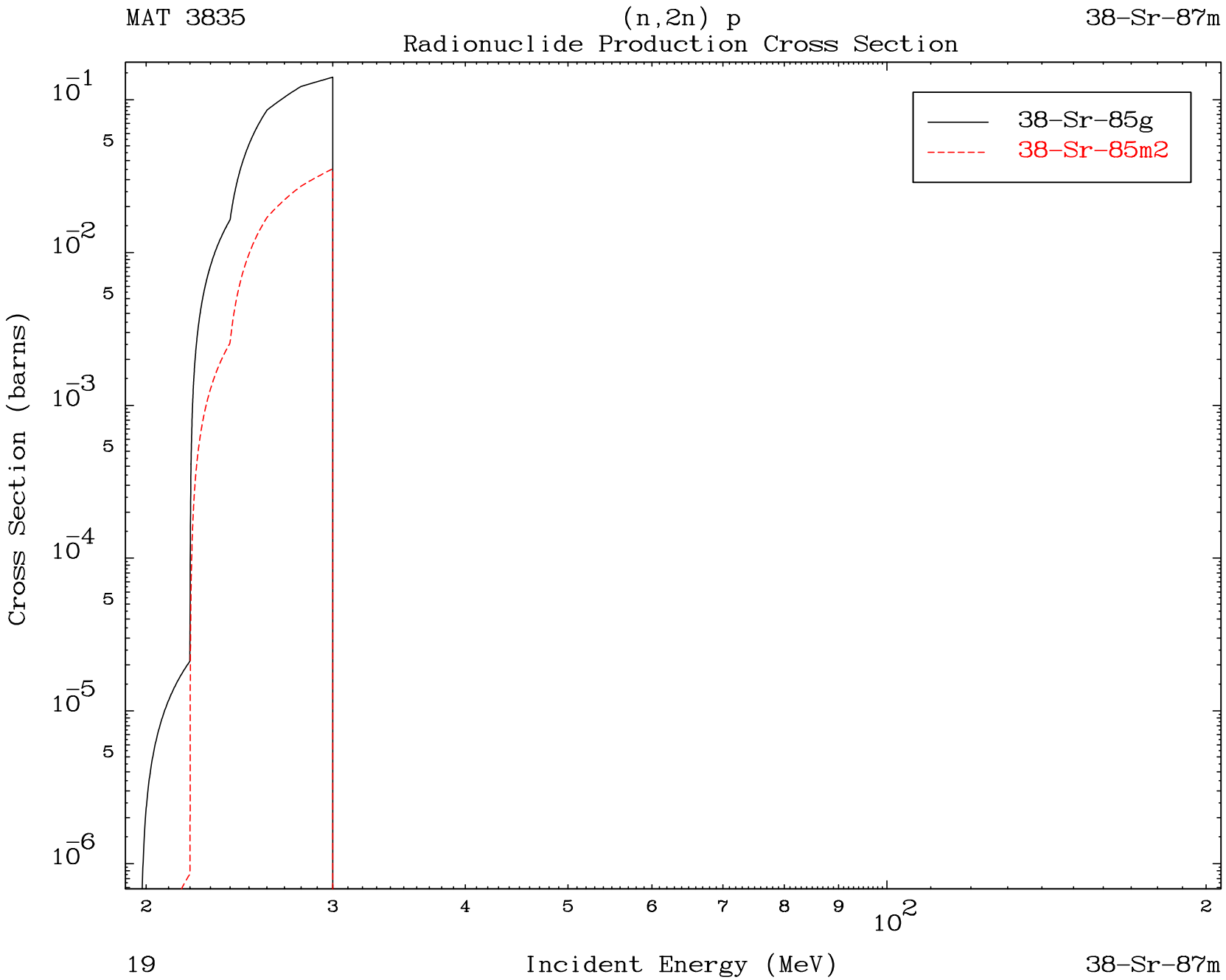

MAT 3835
(n,3n)
38-Sr-87m
Radionuclide Production Cross Section
39-Y -85g
39-Y -85m1
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
38-Sr-87m

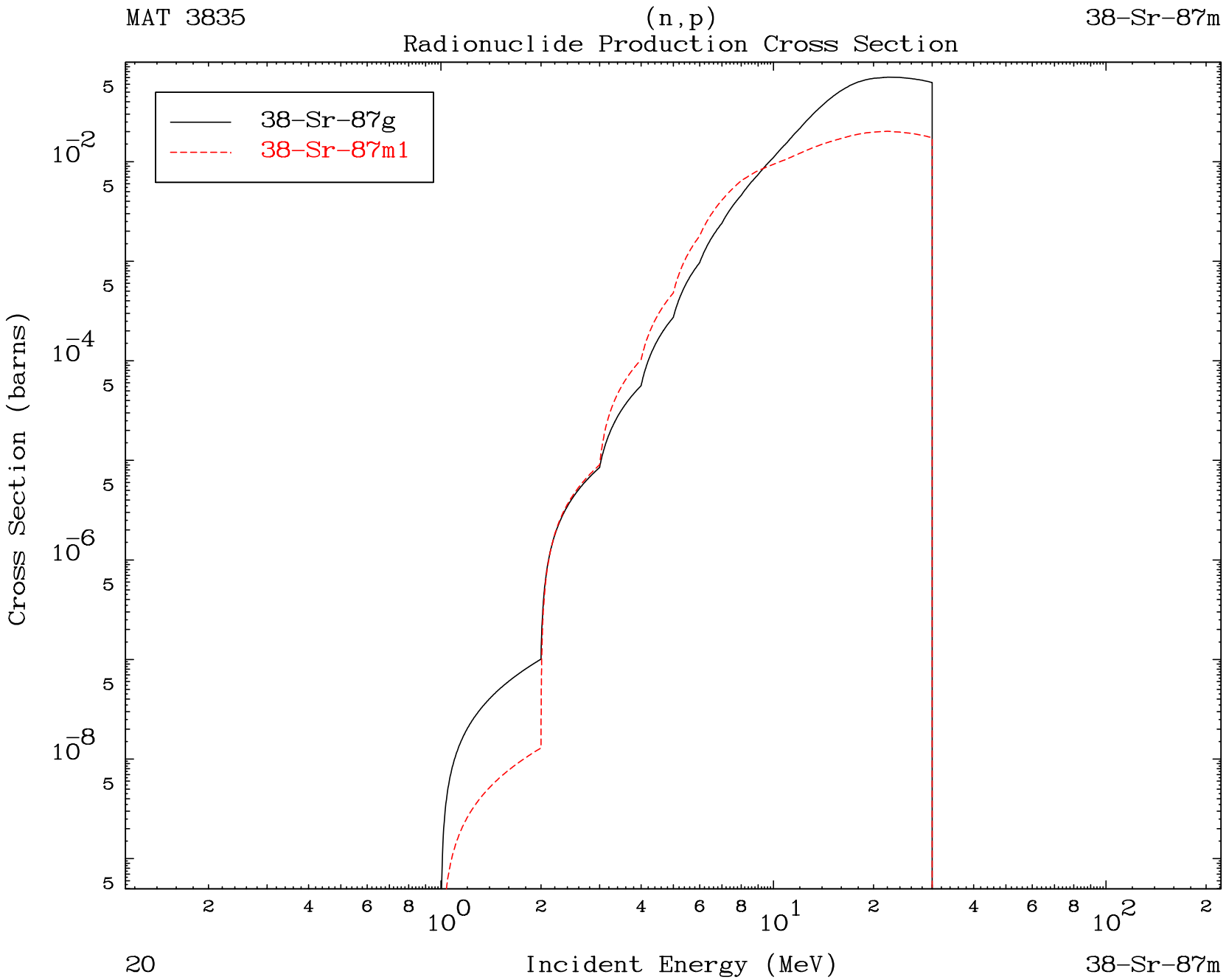

MAT 3835
(n,2n) α
38-Sr-87m
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
15
38-Sr-87m

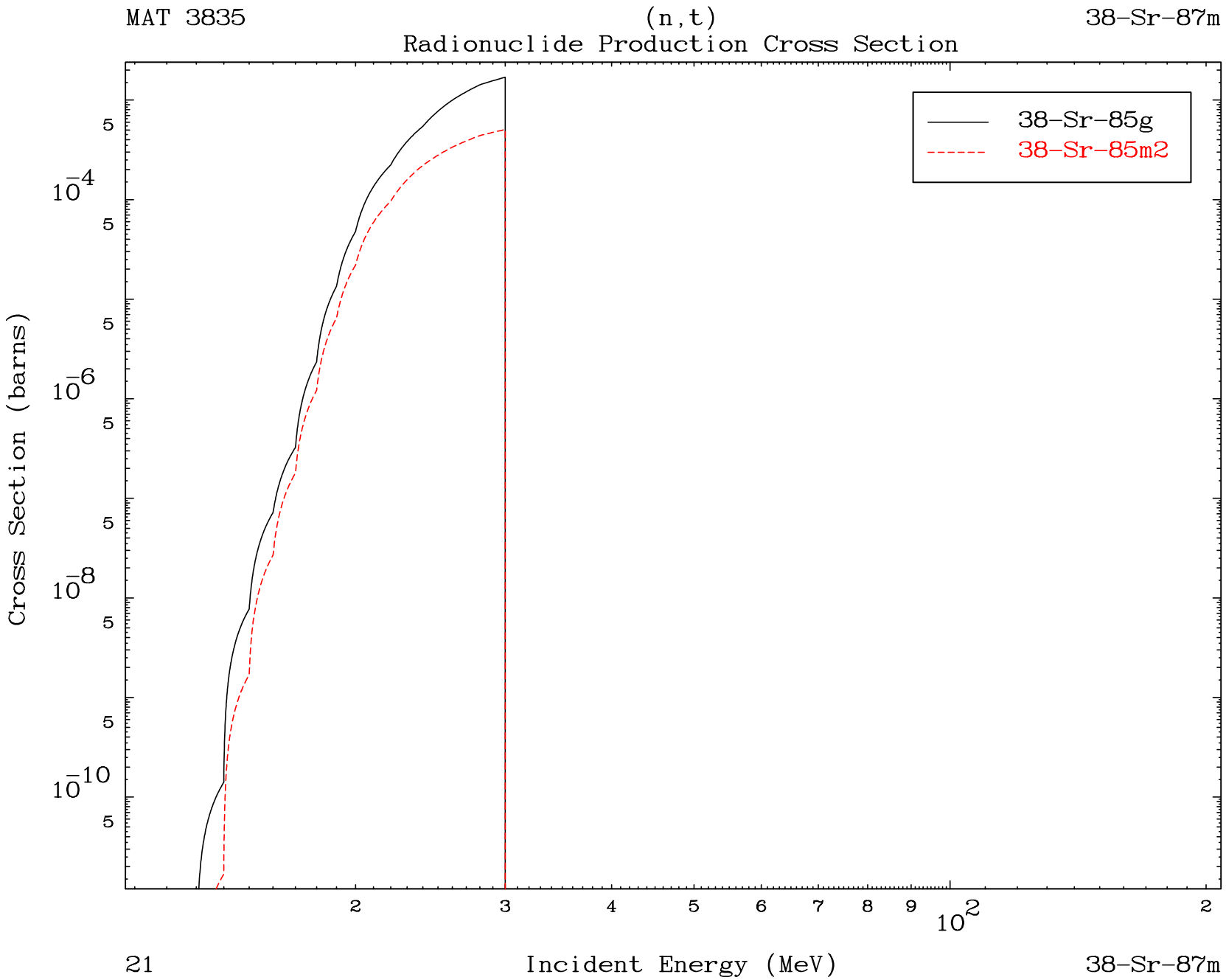

MAT 3835
(n,n') 2α
38-Sr-87m
Radionuclide Production Cross Section
35-Br-79g
35-Br-79m1
Cross Section (barns)
Incident Energy (MeV)
16
38-Sr-87m

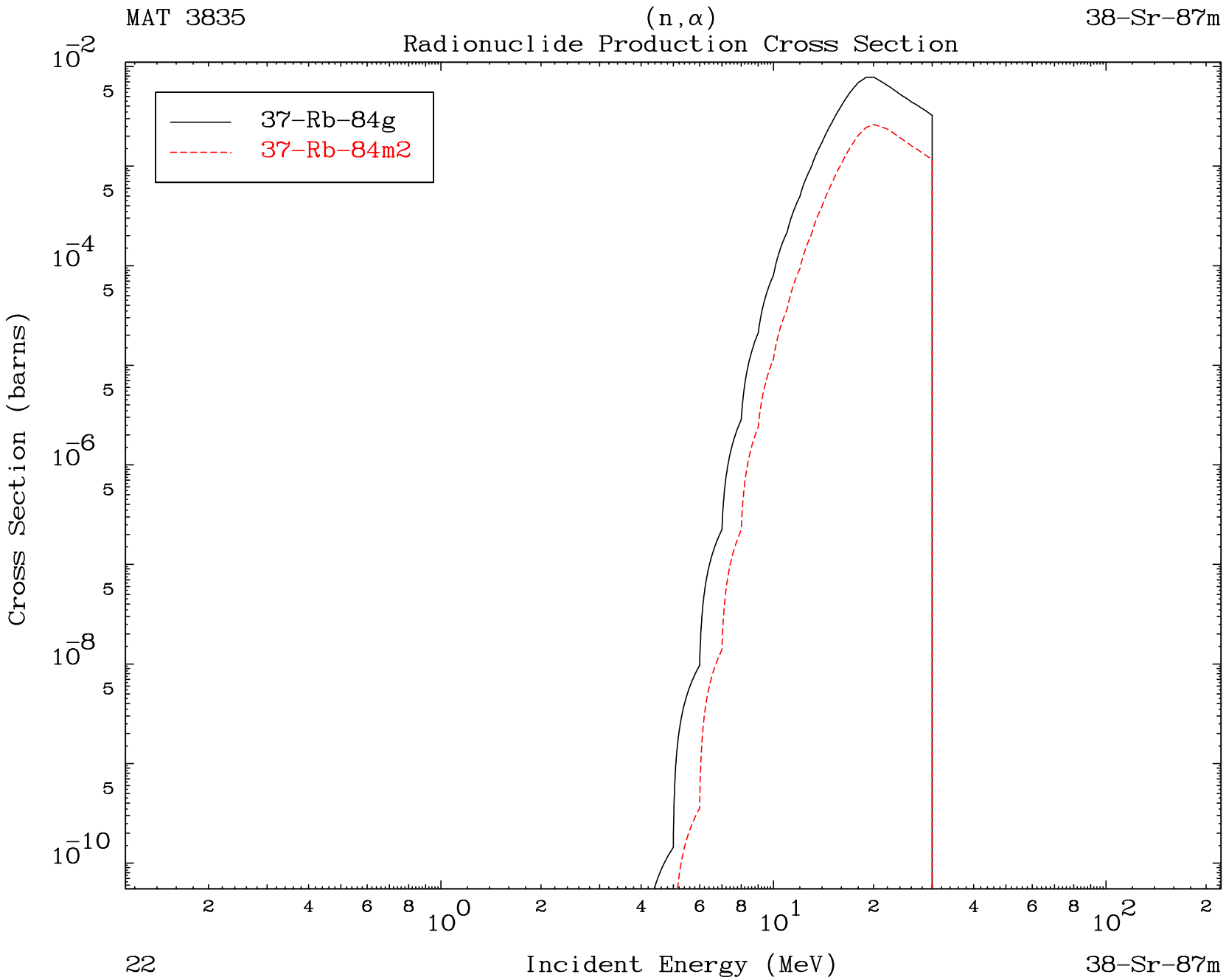

MAT 3835
(n,n') d
38-Sr-87m
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
Incident Energy (MeV)
17
38-Sr-87m

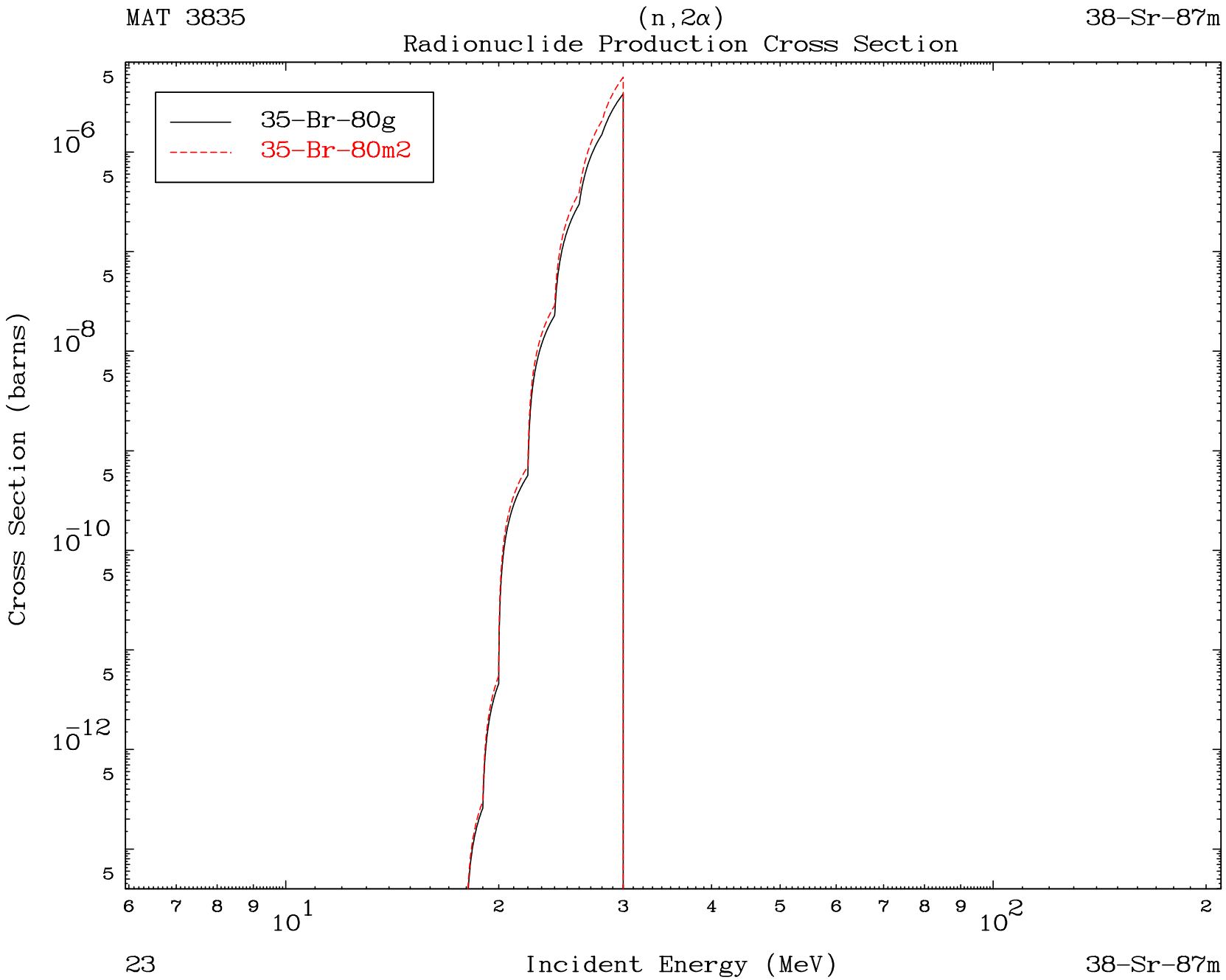

MAT 3835
(n,n') He-3
38-Sr-87m
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
Incident Energy (MeV)
18
38-Sr-87m

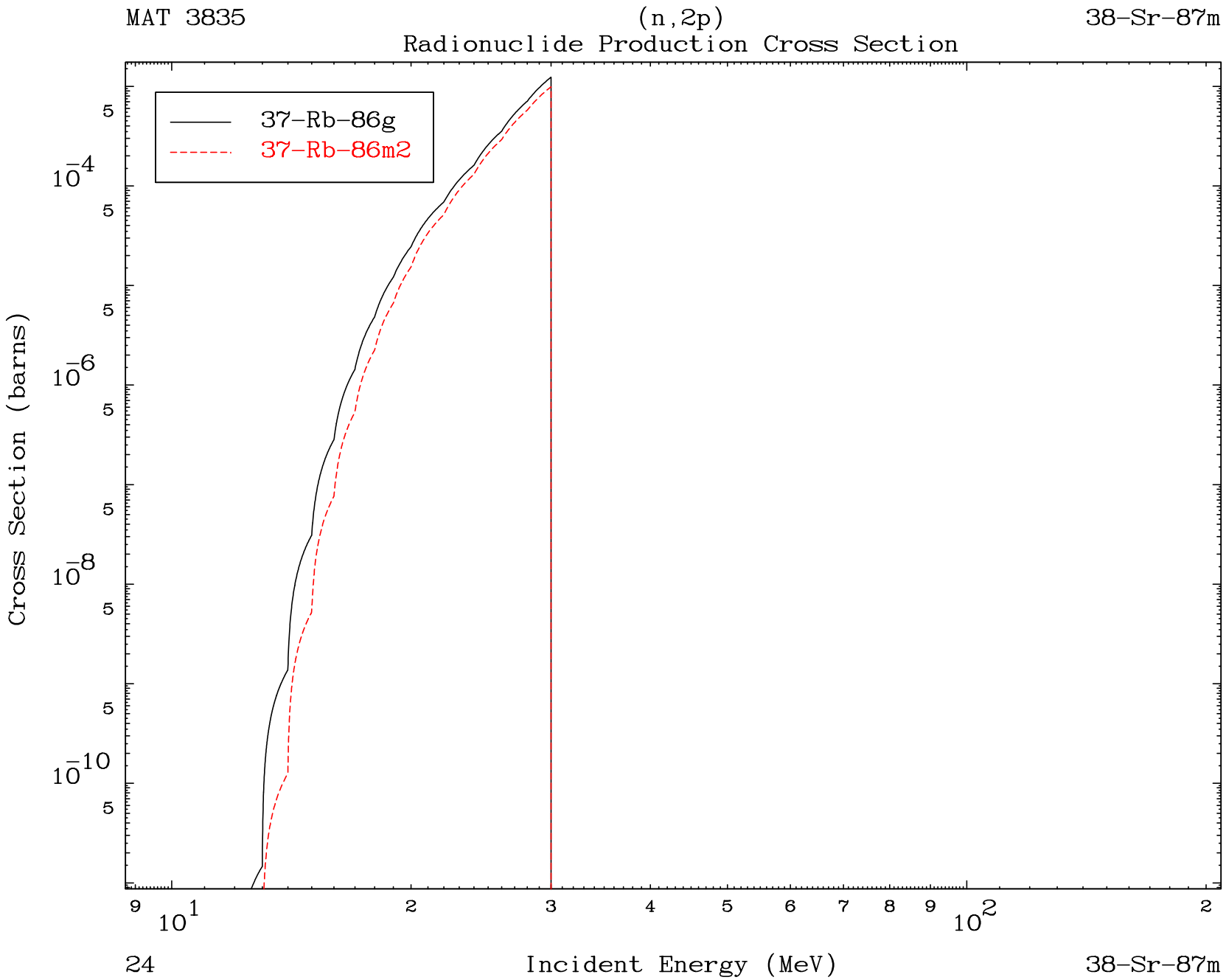

MAT 3835
(n,2n) p
38-Sr-87m
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
Incident Energy (MeV)
19
38-Sr-87m

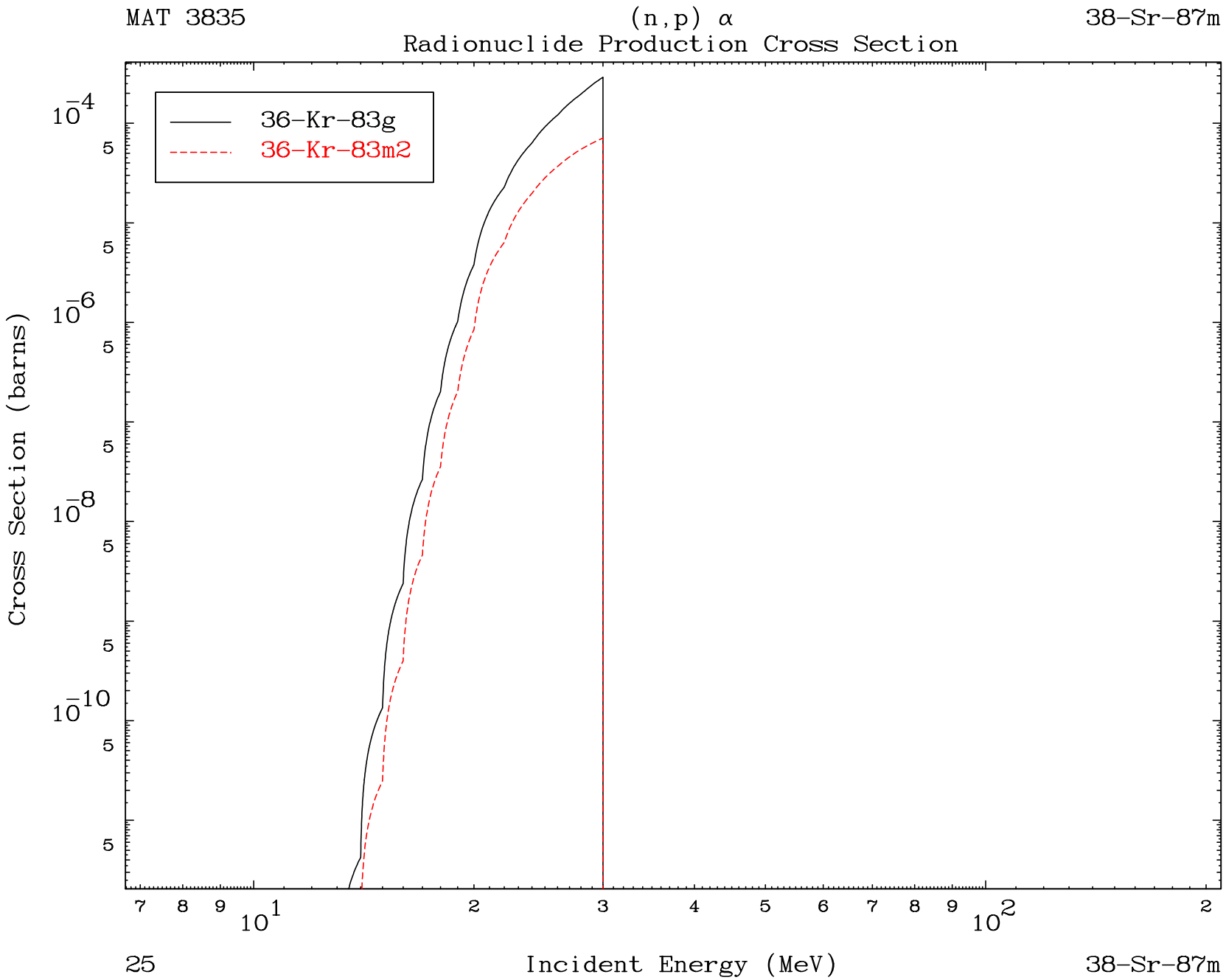

MAT 3835
(n,p)
38-Sr-87m
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
Incident Energy (MeV)
20
38-Sr-87m

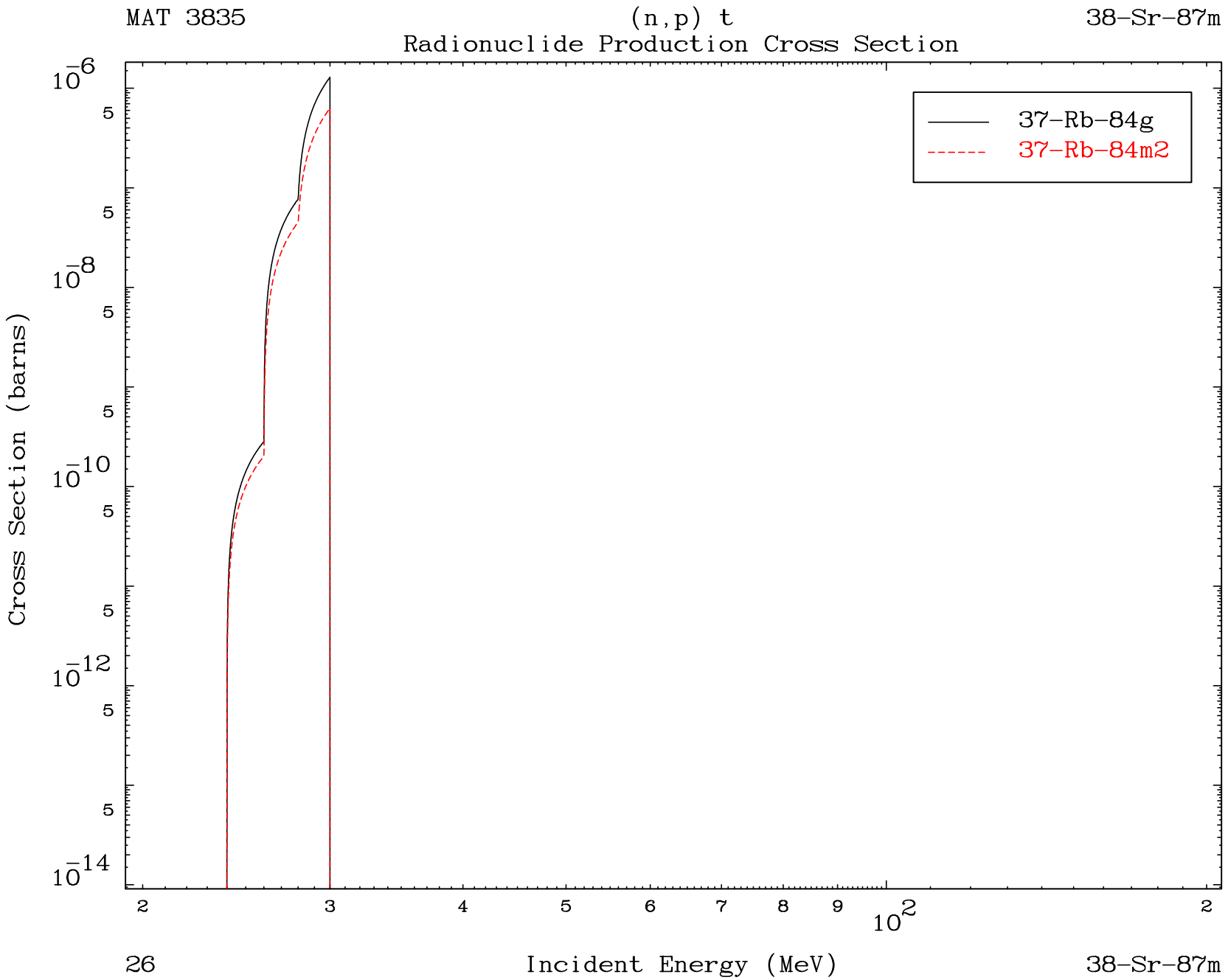

MAT 3835
(n,t)
38-Sr-87m
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
21
38-Sr-87m


MAT 3835
(n,α)
38-Sr-87m
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
Incident Energy (MeV)
22
38-Sr-87m


MAT 3835
(n,2α)
38-Sr-87m
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
23
38-Sr-87m


MAT 3835
(n,2p)
38-Sr-87m
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
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
24
Incident Energy (MeV)
38-Sr-87m


MAT 3835
(n,p) α
38-Sr-87m
Radionuclide Production Cross Section
36-Kr-83g
36-Kr-83m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
25
Incident Energy (MeV)
38-Sr-87m


MAT 3835
(n,p) t
38-Sr-87m
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
Incident Energy (MeV)
26
38-Sr-87m