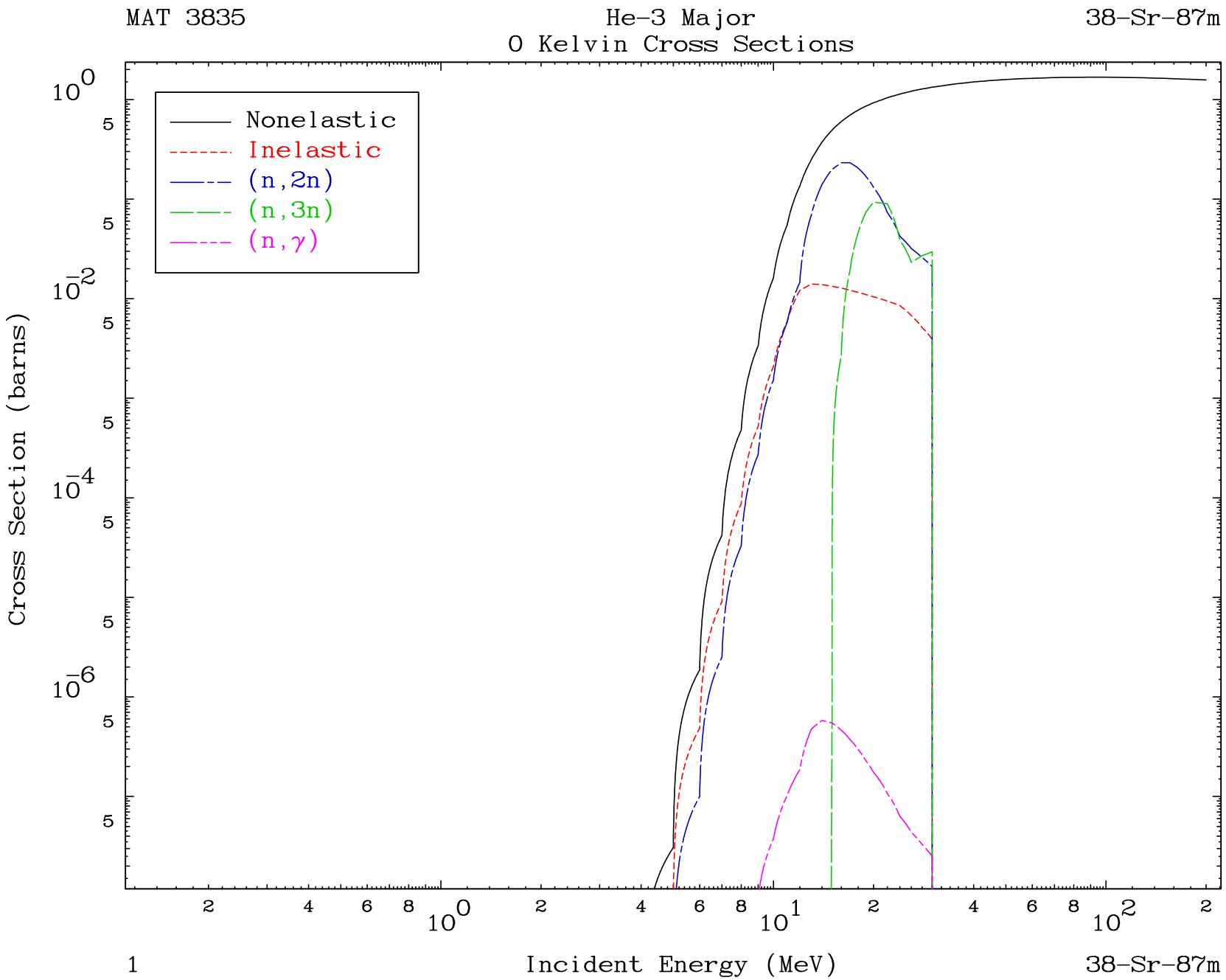
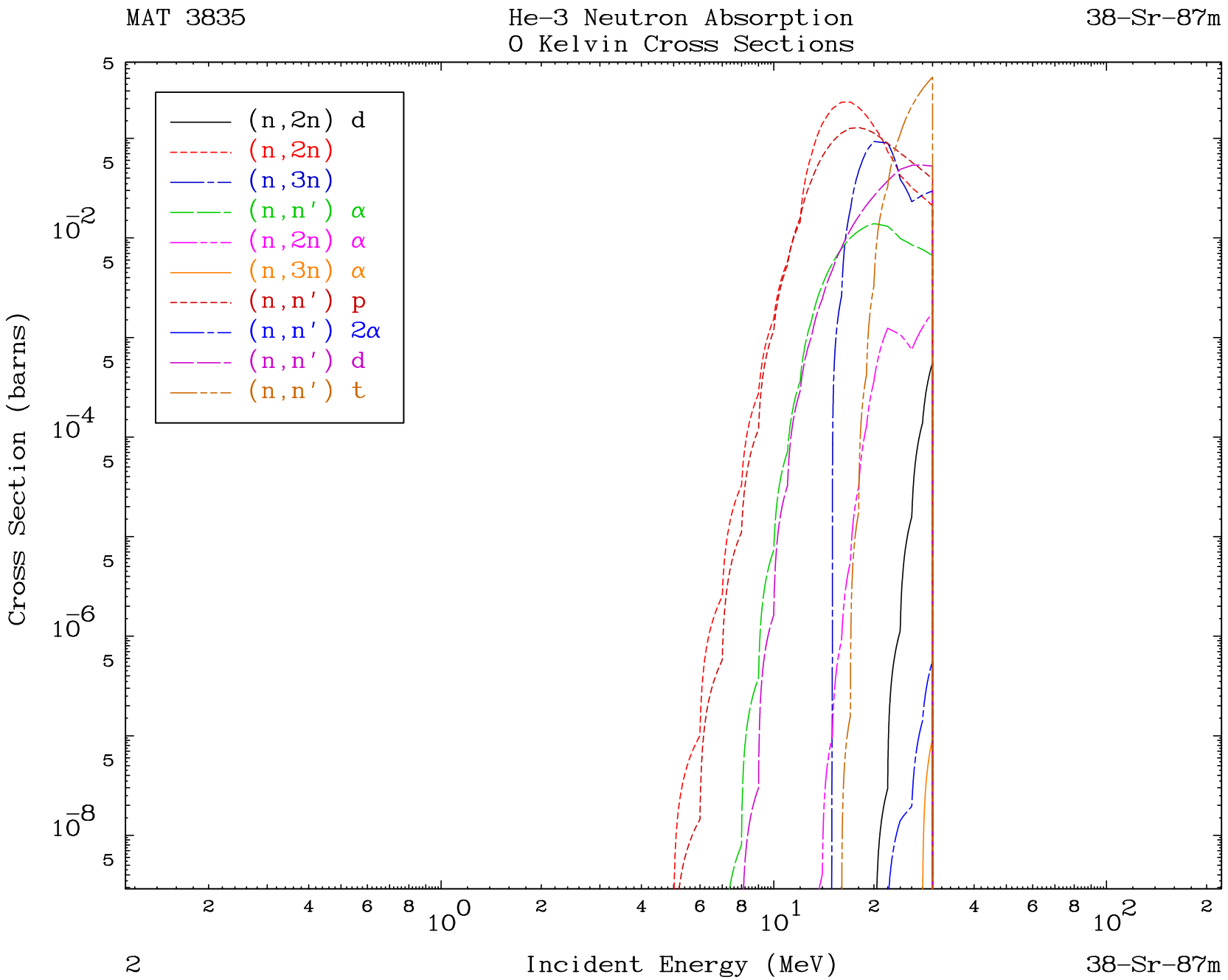
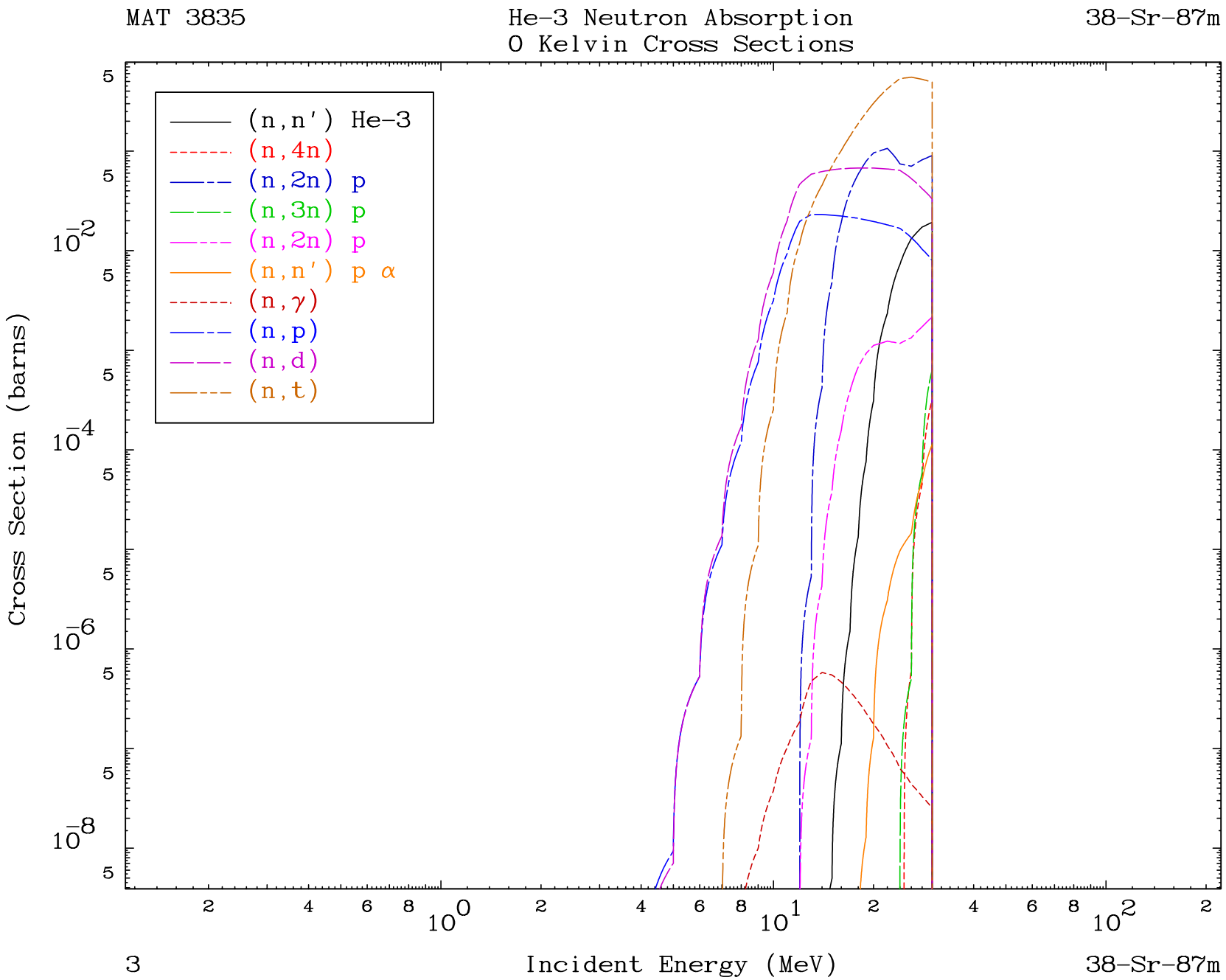
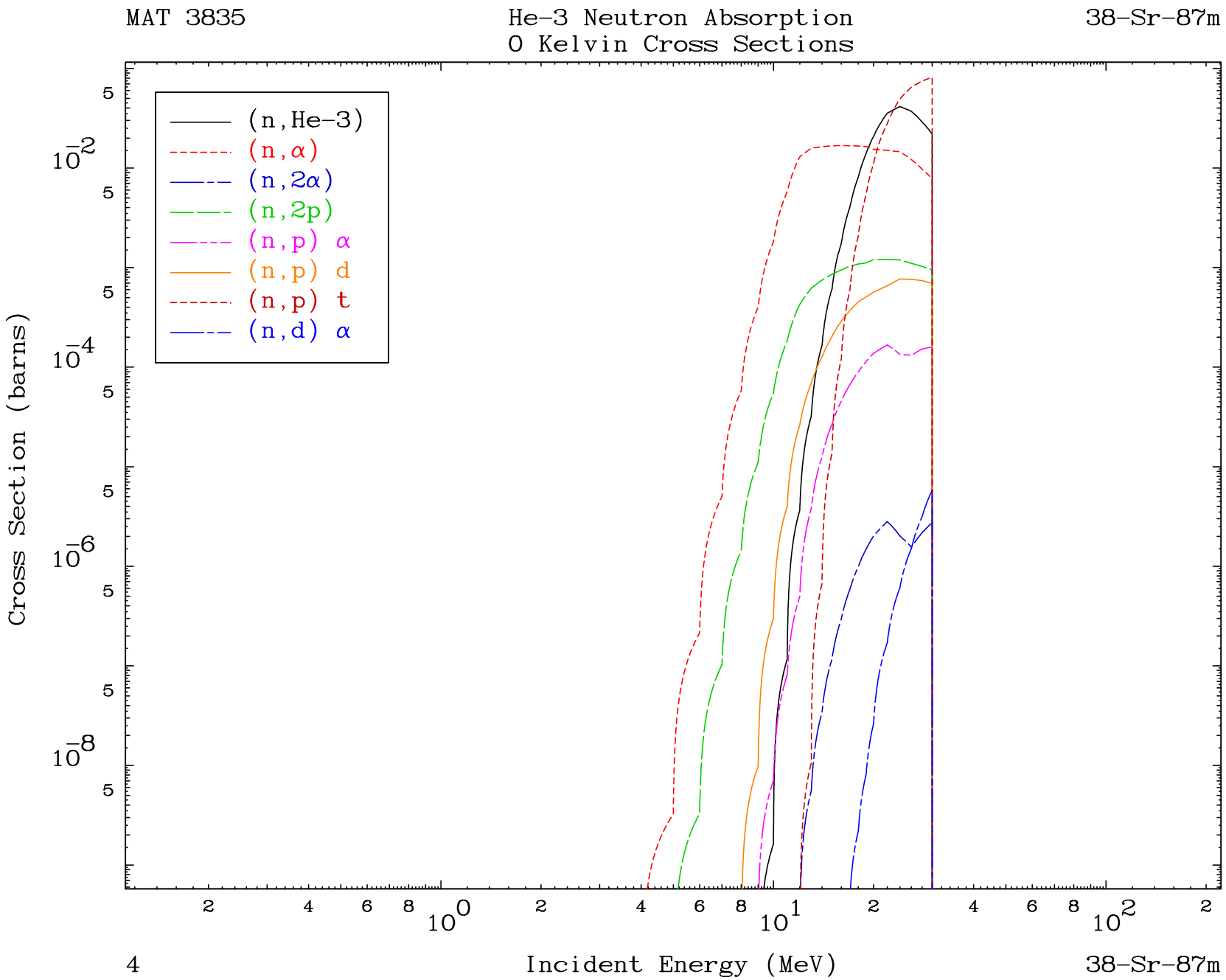
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

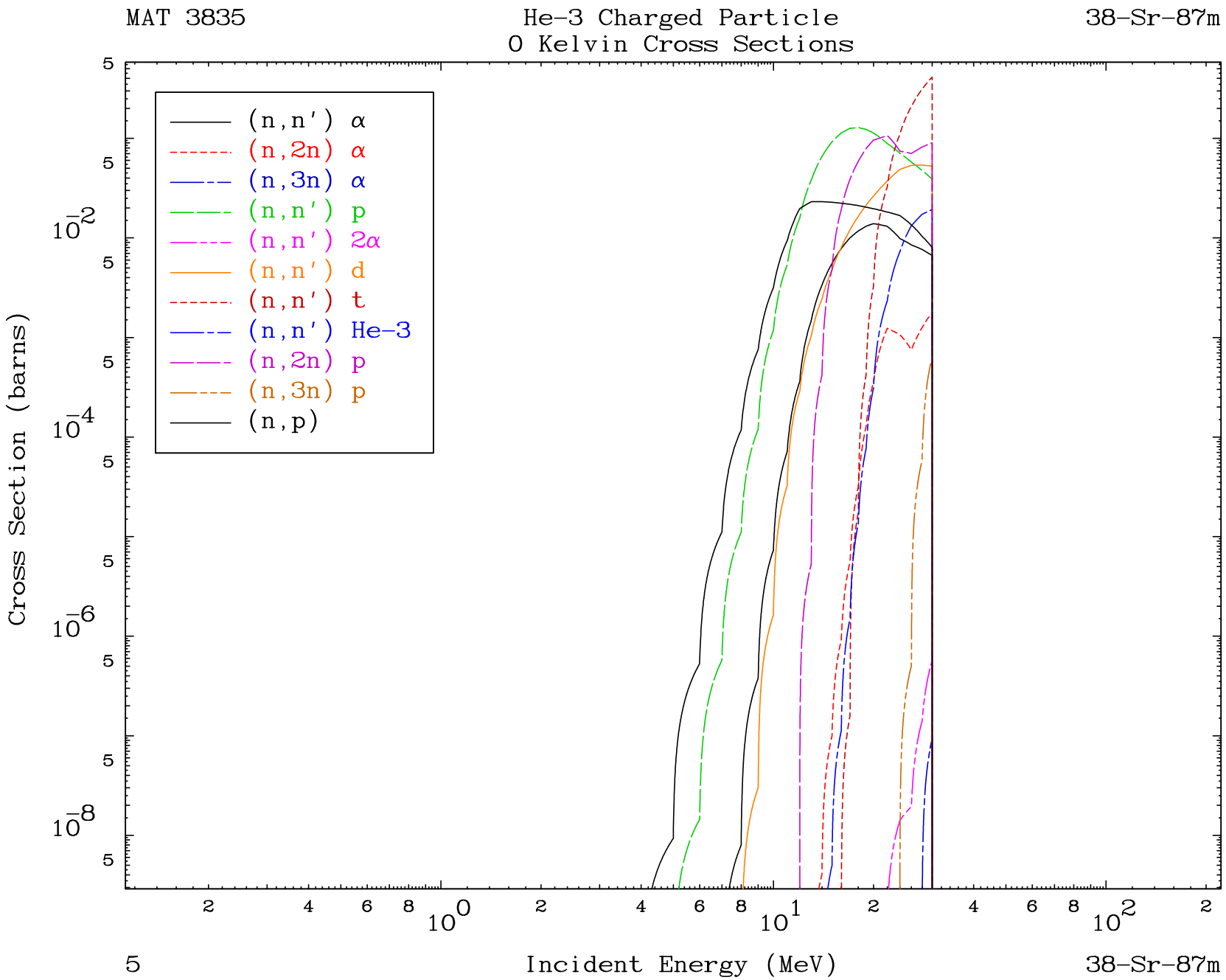
Press Mouse Button to Start

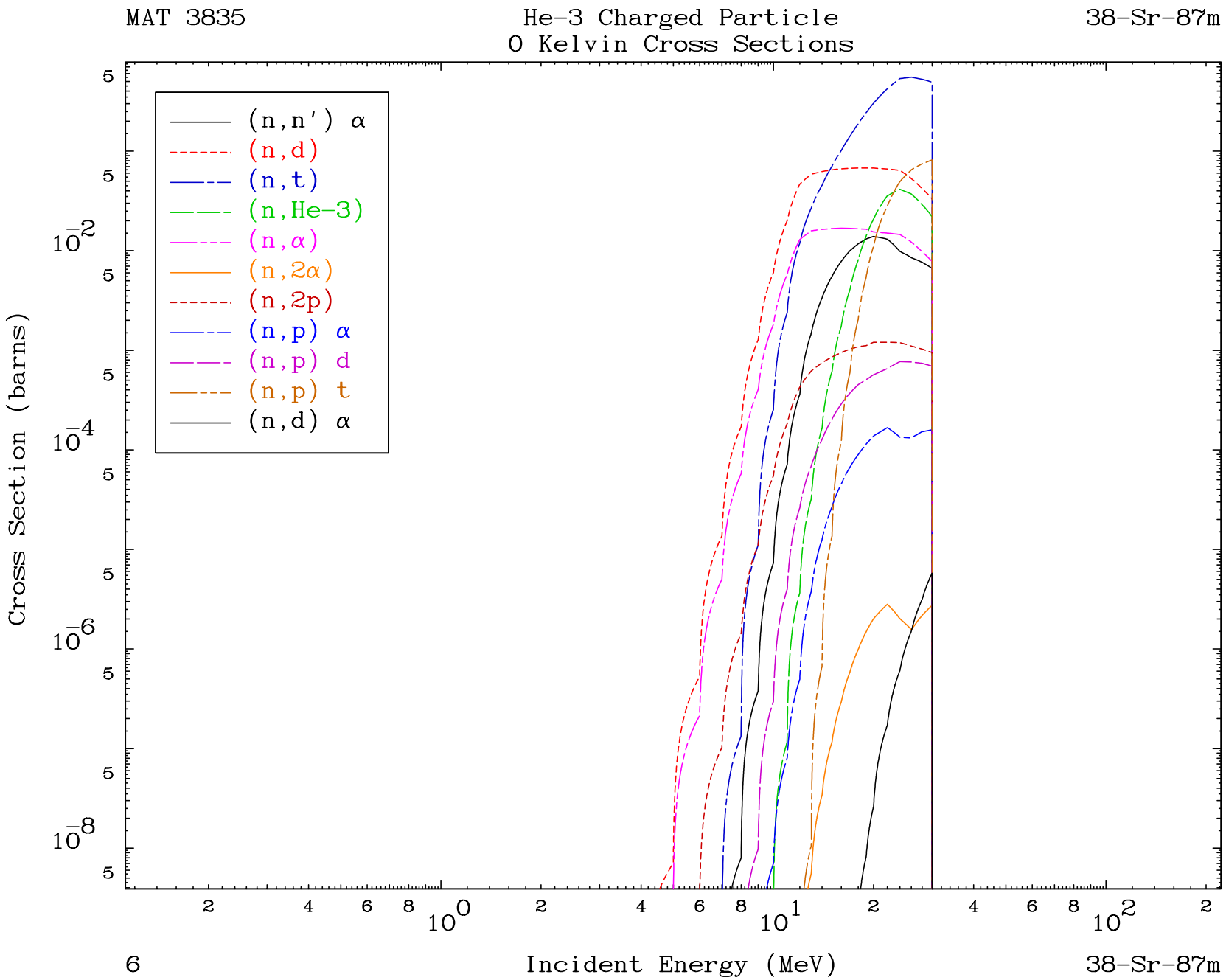

MAT 3835
He-3 Major
38-Sr-87m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-87m

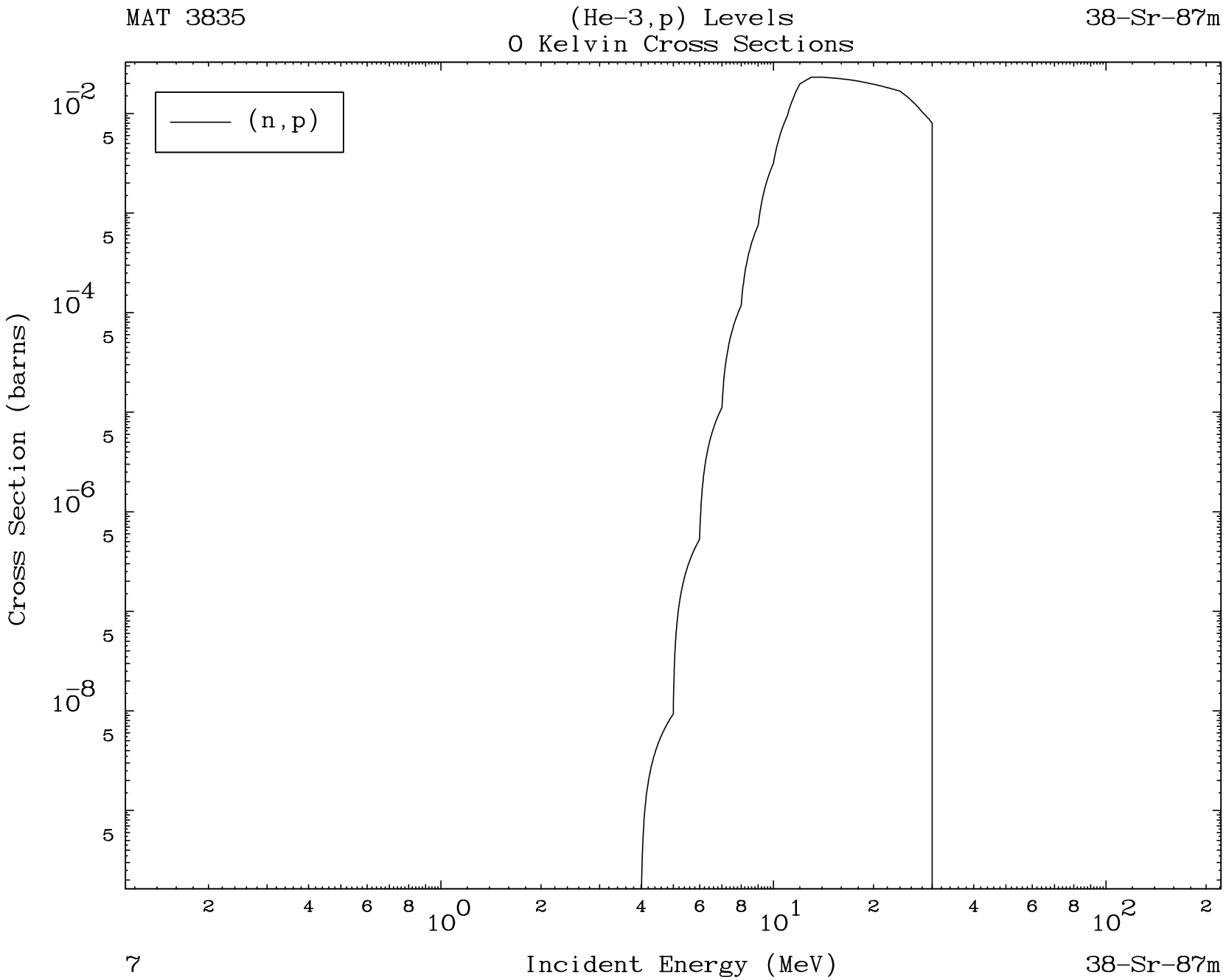

MAT 3835
He-3 Neutron Absorption
0 Kelvin Cross Sections
38-Sr-87m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
38-Sr-87m
2

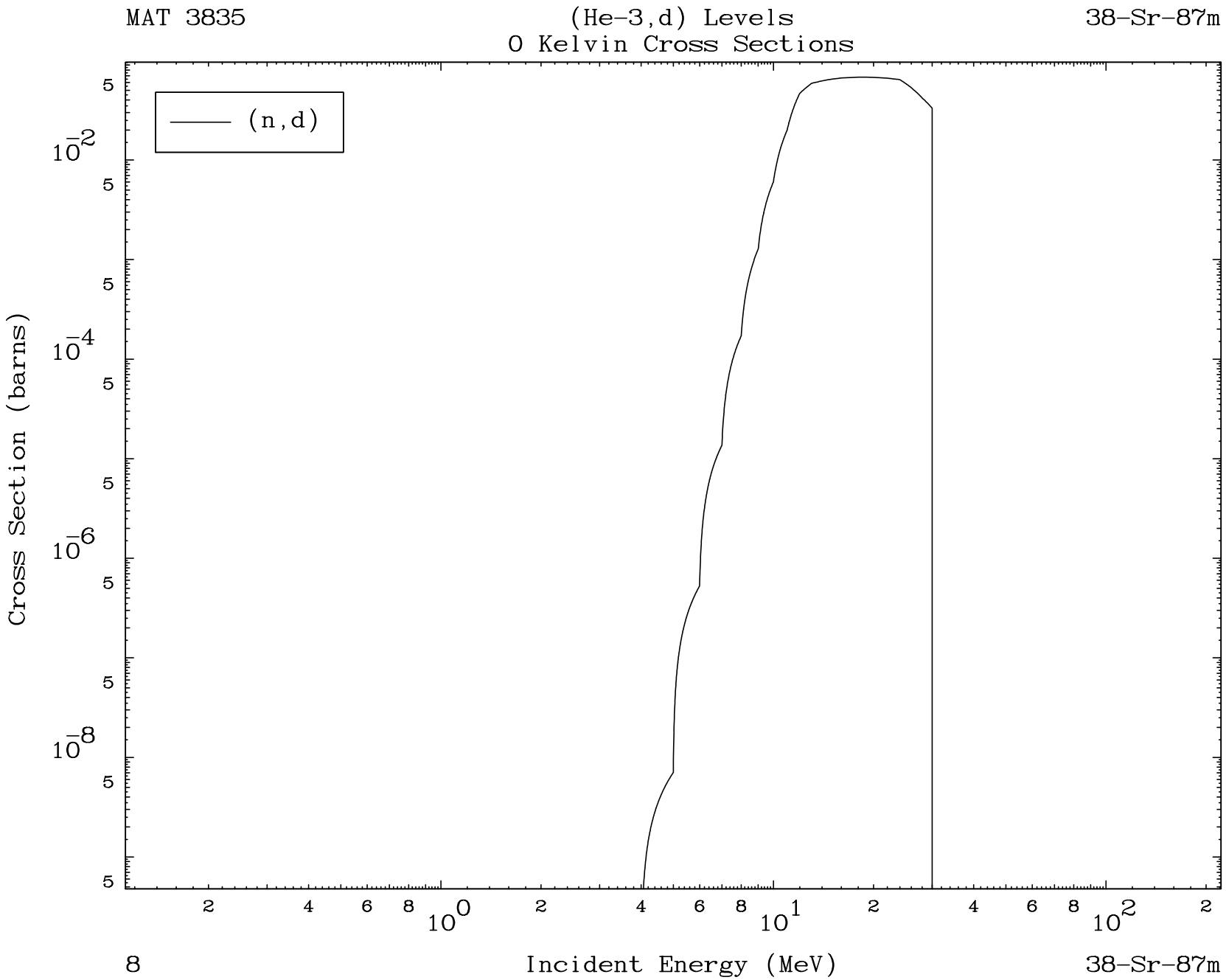

MAT 3835
He-3 Neutron Absorption
0 Kelvin Cross Sections
38-Sr-87m
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
38-Sr-87m

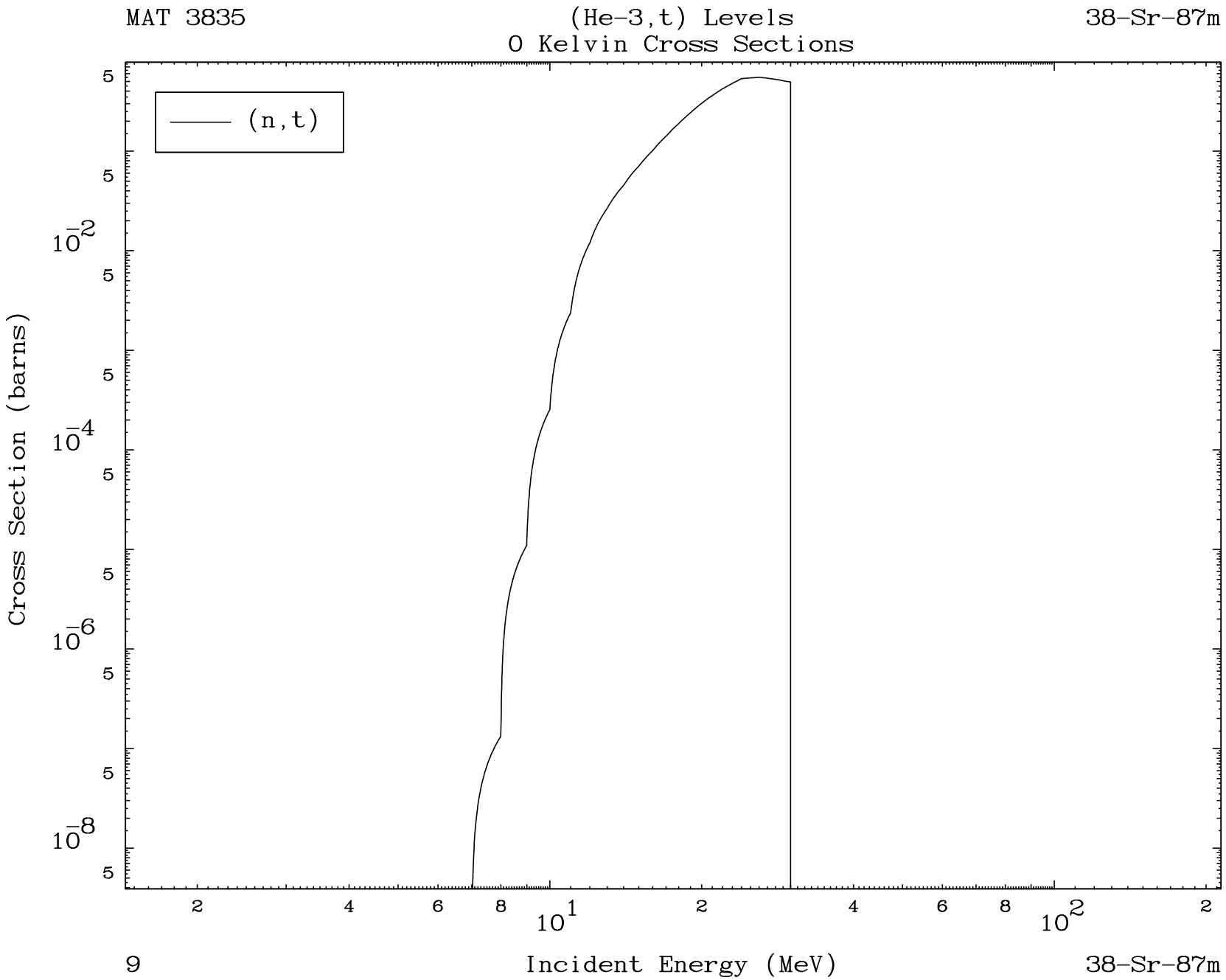

MAT 3835
He-3 Neutron Absorption
0 Kelvin Cross Sections
38-Sr-87m
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
38-Sr-87m

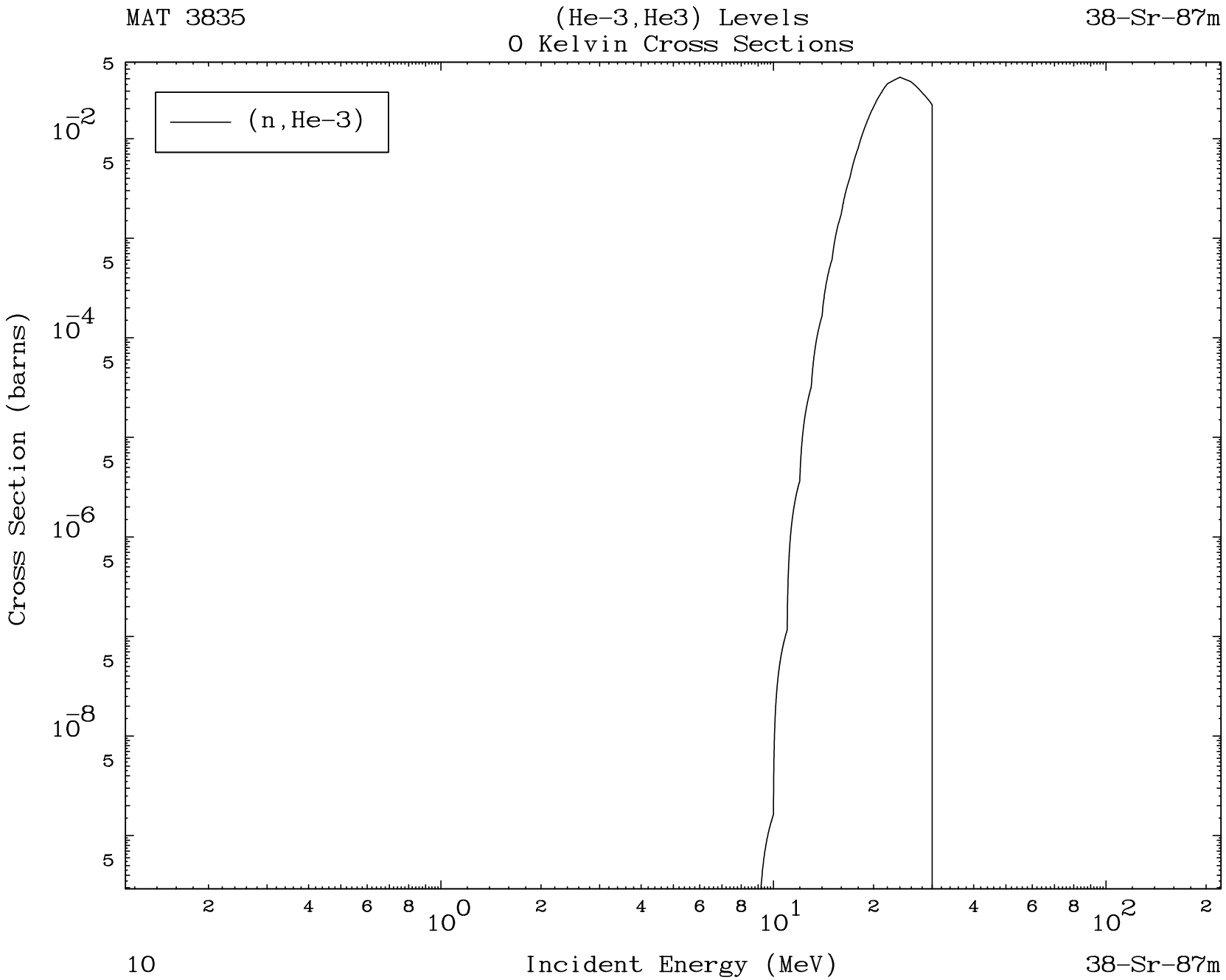

MAT 3835
He-3 Charged Particle
0 Kelvin Cross Sections
38-Sr-87m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-87m

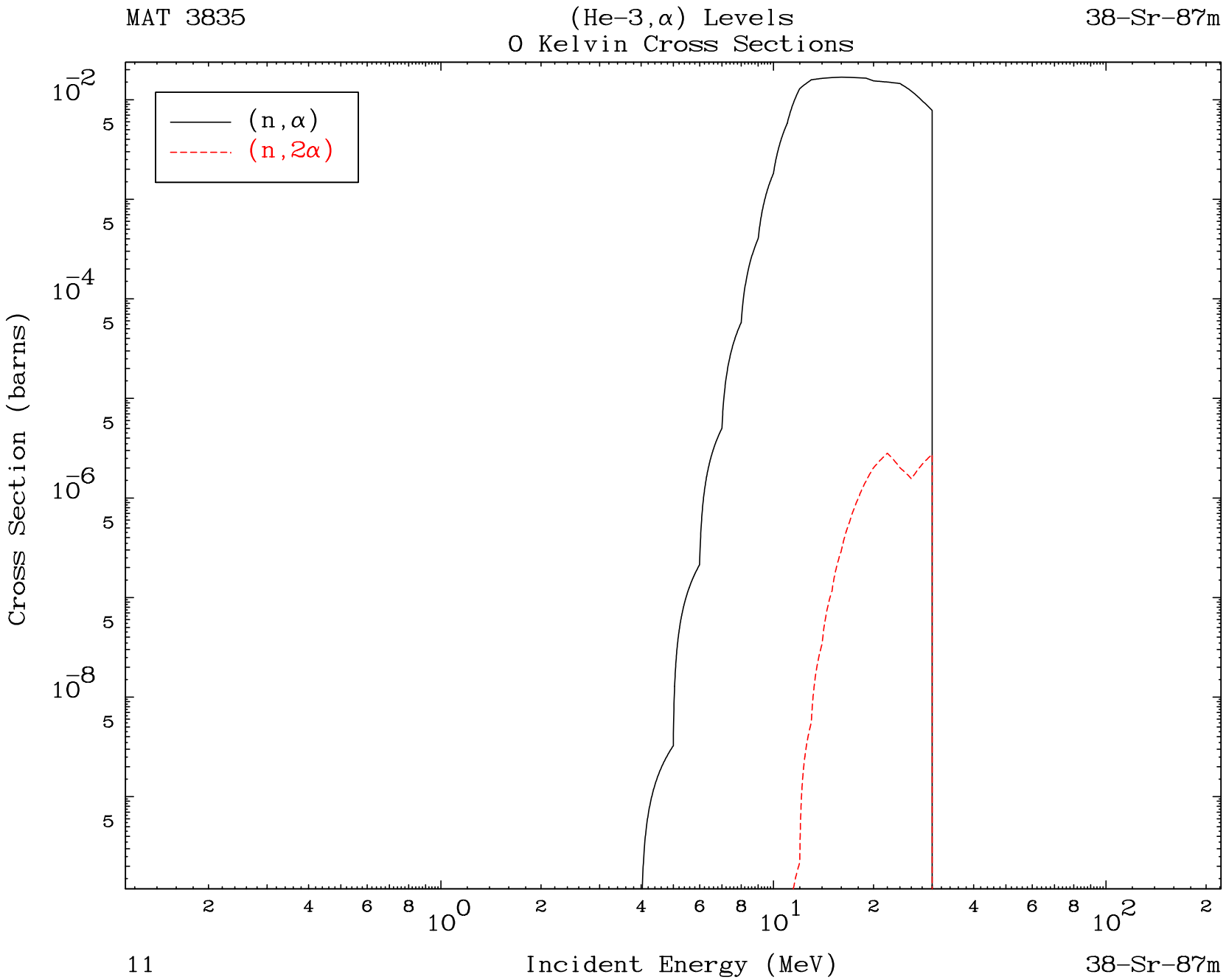

MAT 3835
He-3 Charged Particle
0 Kelvin Cross Sections
38-Sr-87m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
38-Sr-87m

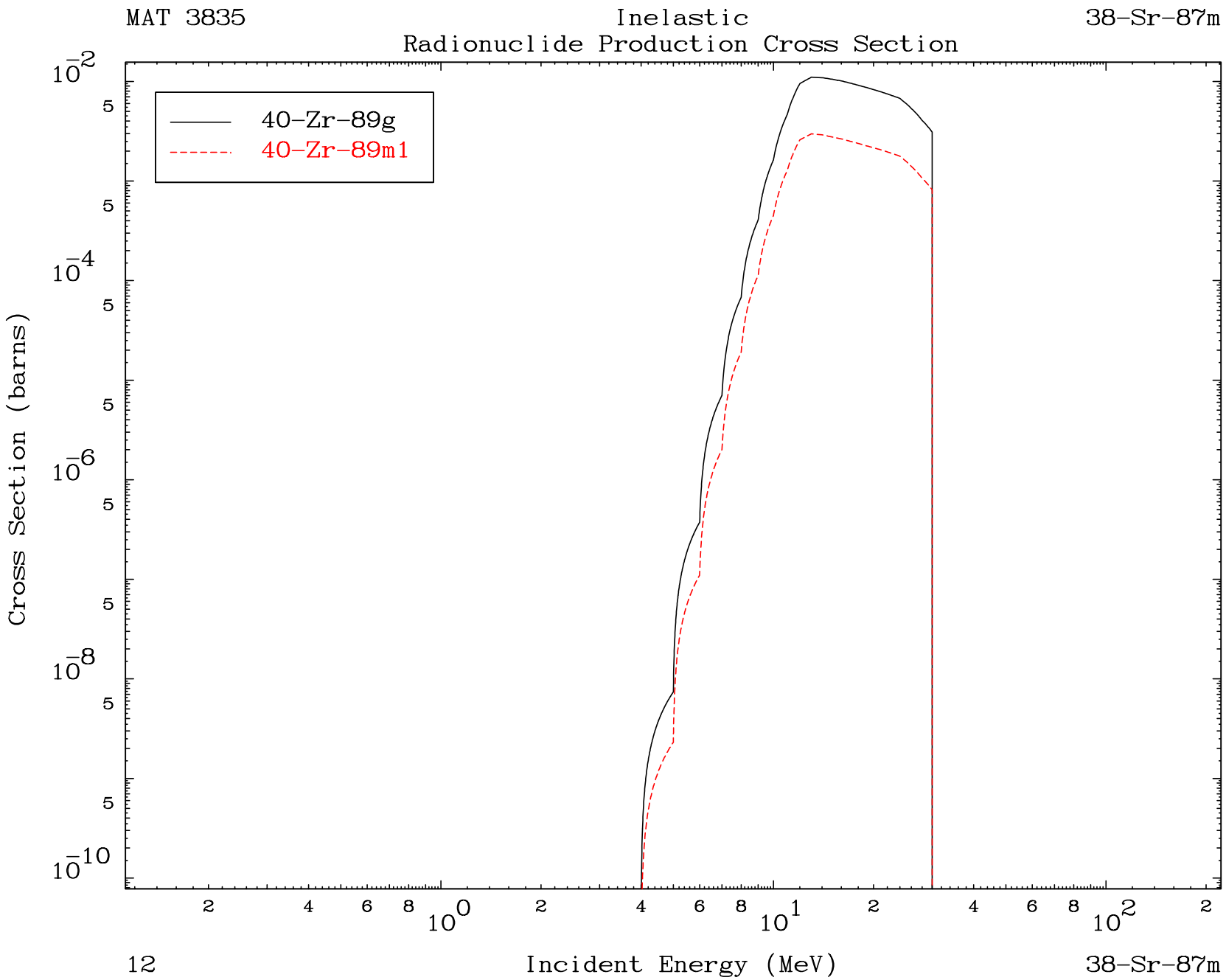

MAT 3835
(He-3,p) Levels
38-Sr-87m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
7
38-Sr-87m

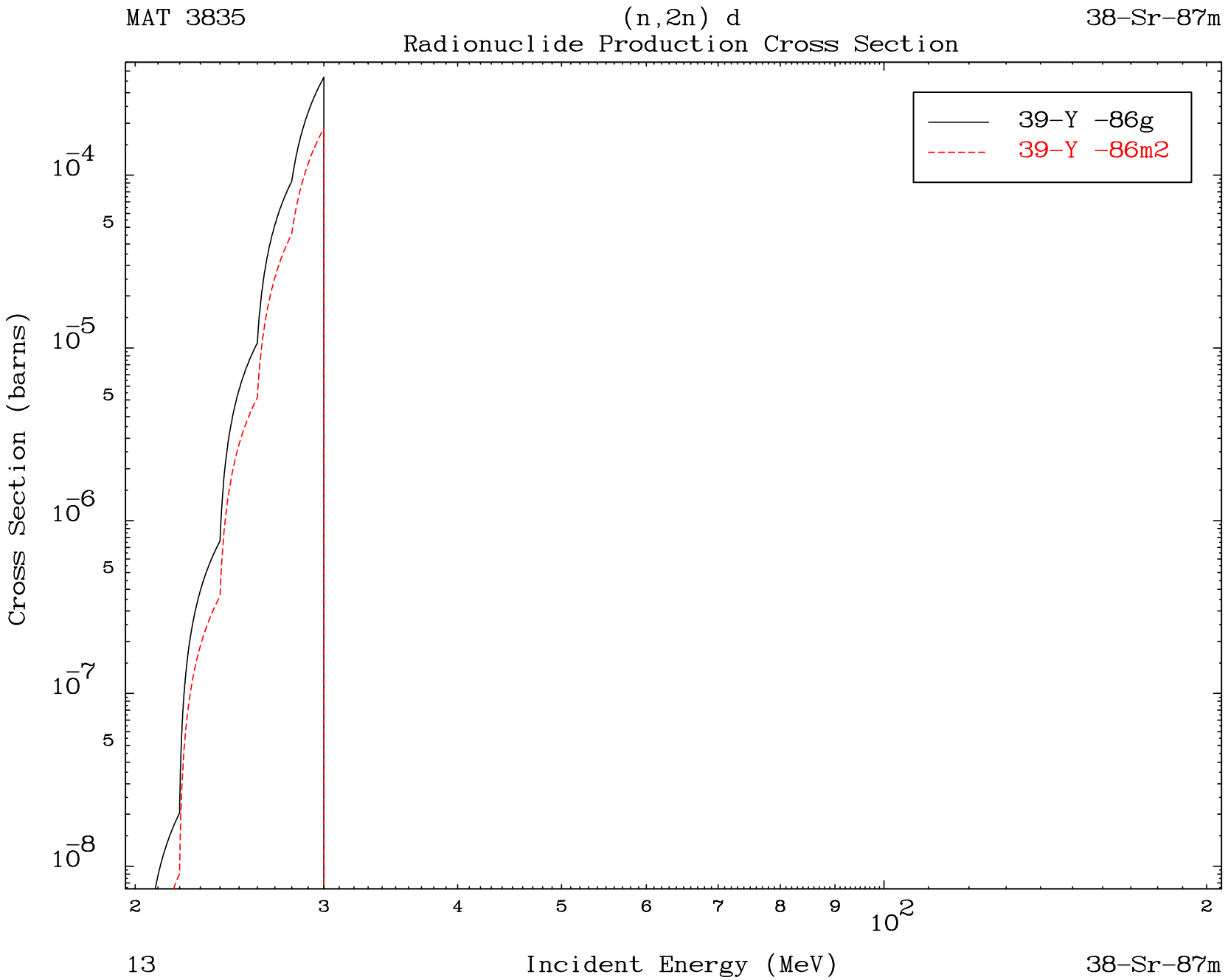

MAT 3835
(He-3,d) Levels
38-Sr-87m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
38-Sr-87m

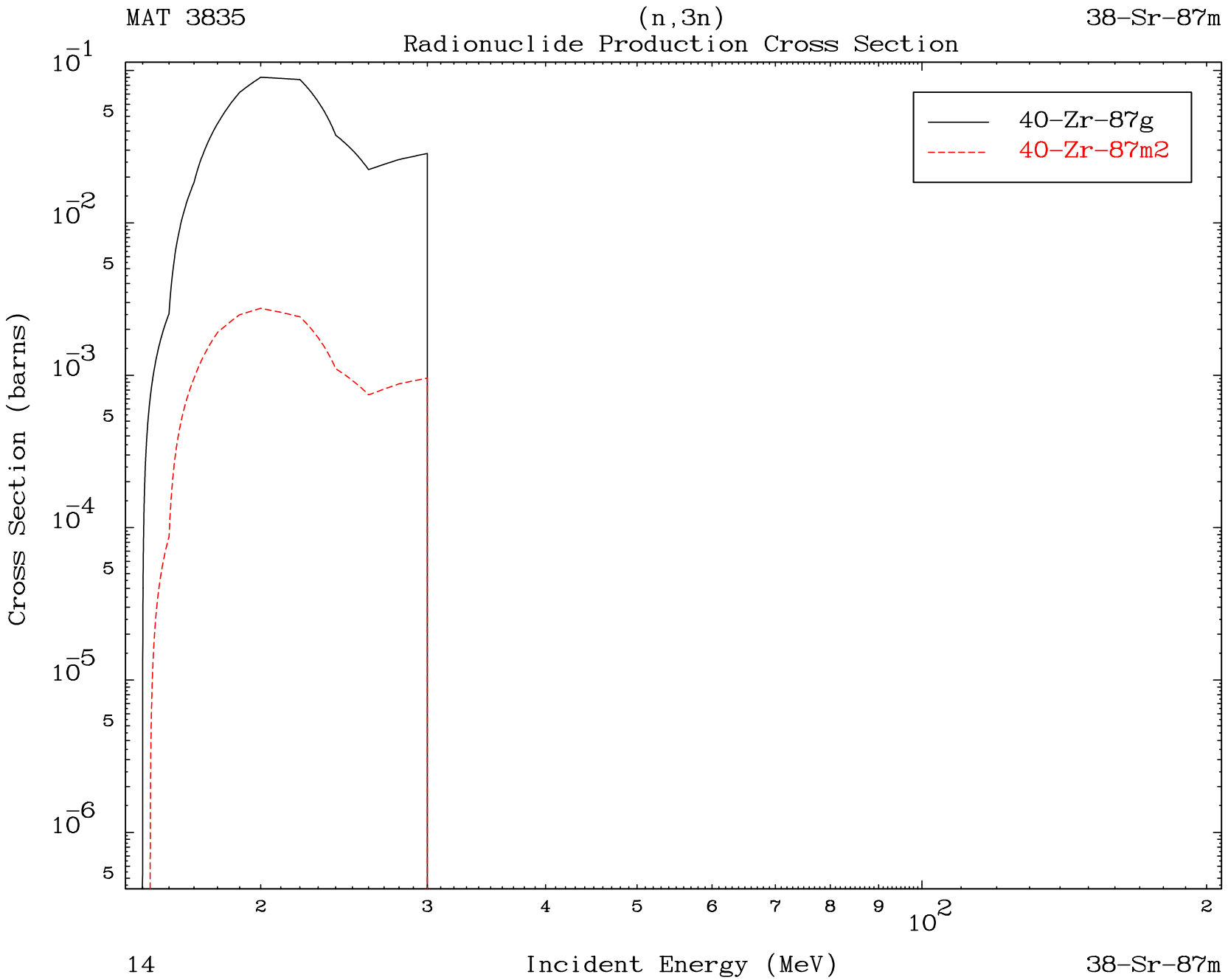

MAT 3835
(He-3,t) Levels
38-Sr-87m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
38-Sr-87m

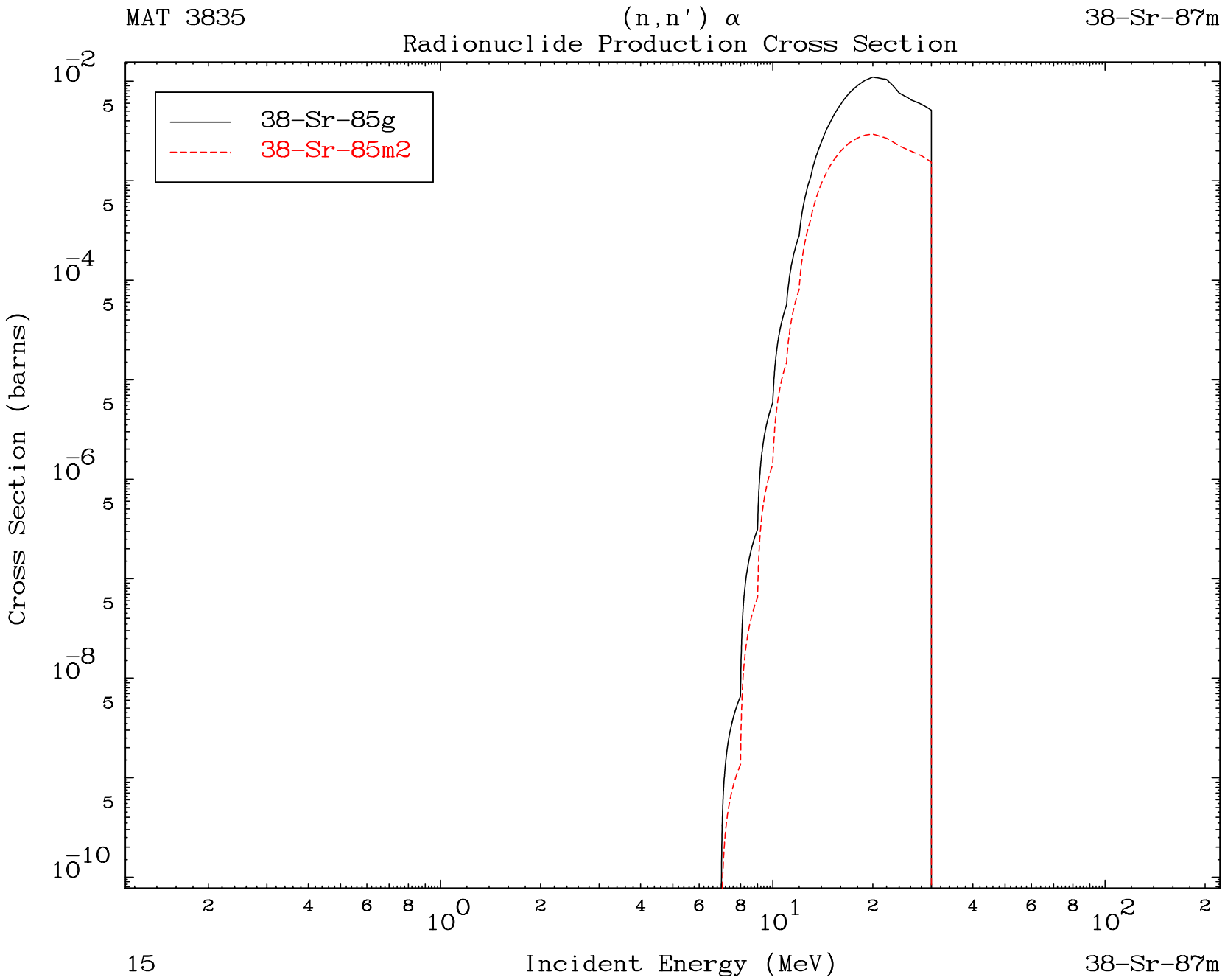

MAT 3835
(He-3,He3) Levels
38-Sr-87m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-87m

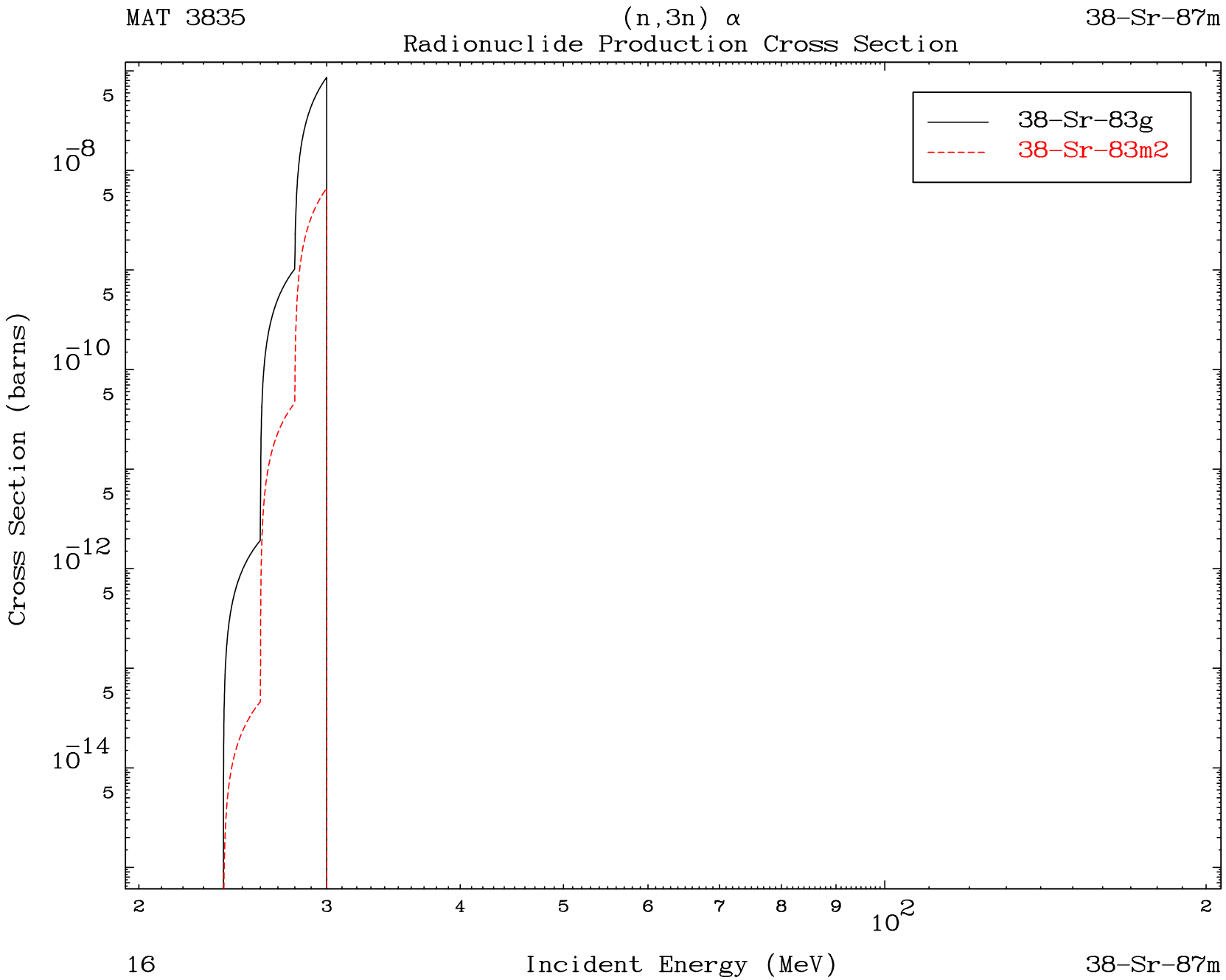

MAT 3835
(He-3,α) Levels
0 Kelvin Cross Sections
38-Sr-87m
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
38-Sr-87m

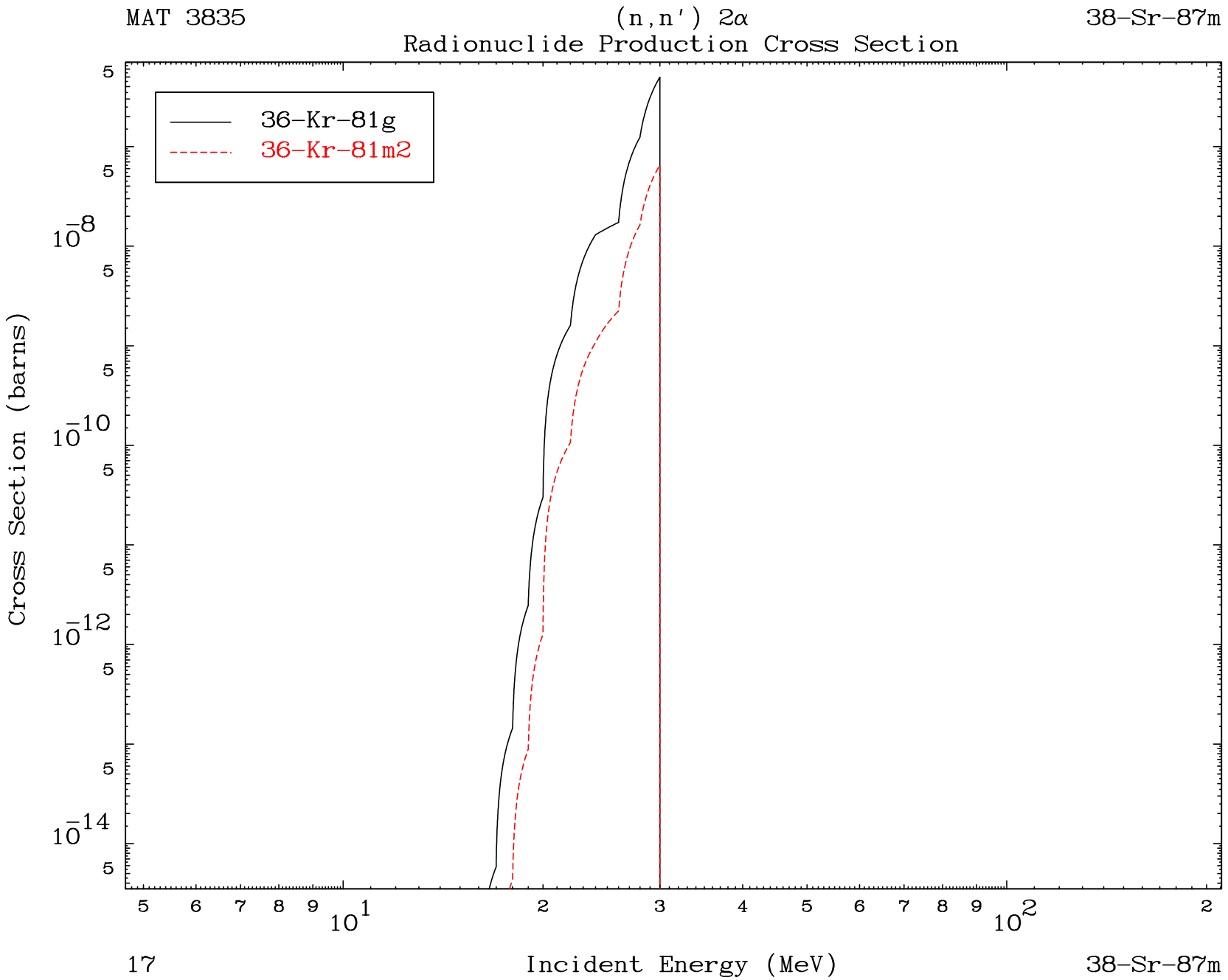

MAT 3835
Inelastic
38-Sr-87m
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
Incident Energy (MeV)
12
38-Sr-87m

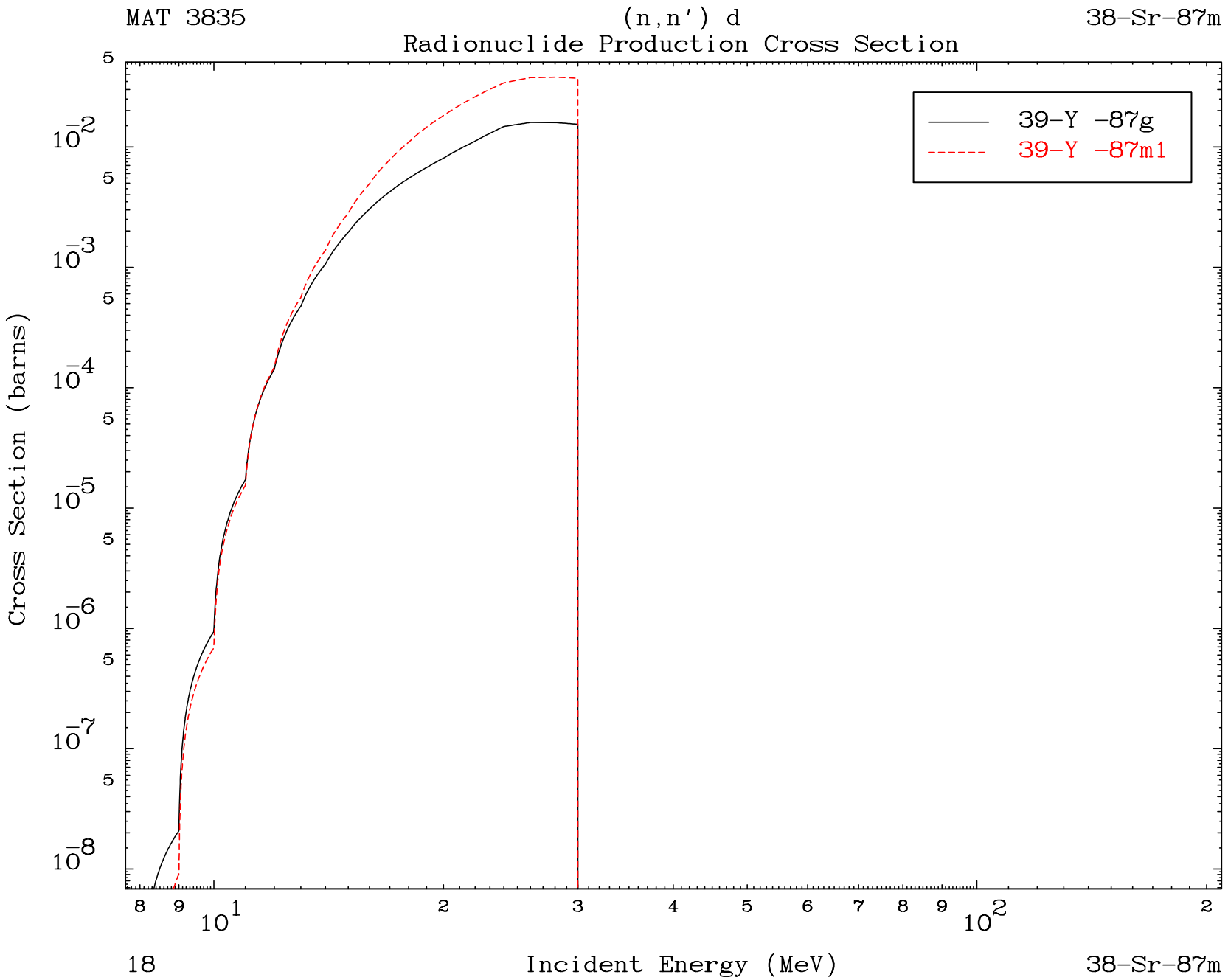

MAT 3835
(n,2n) d
38-Sr-87m
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
10-4
5
10-5
5
10-6
5
10-7
5
10-8
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
38-Sr-87m

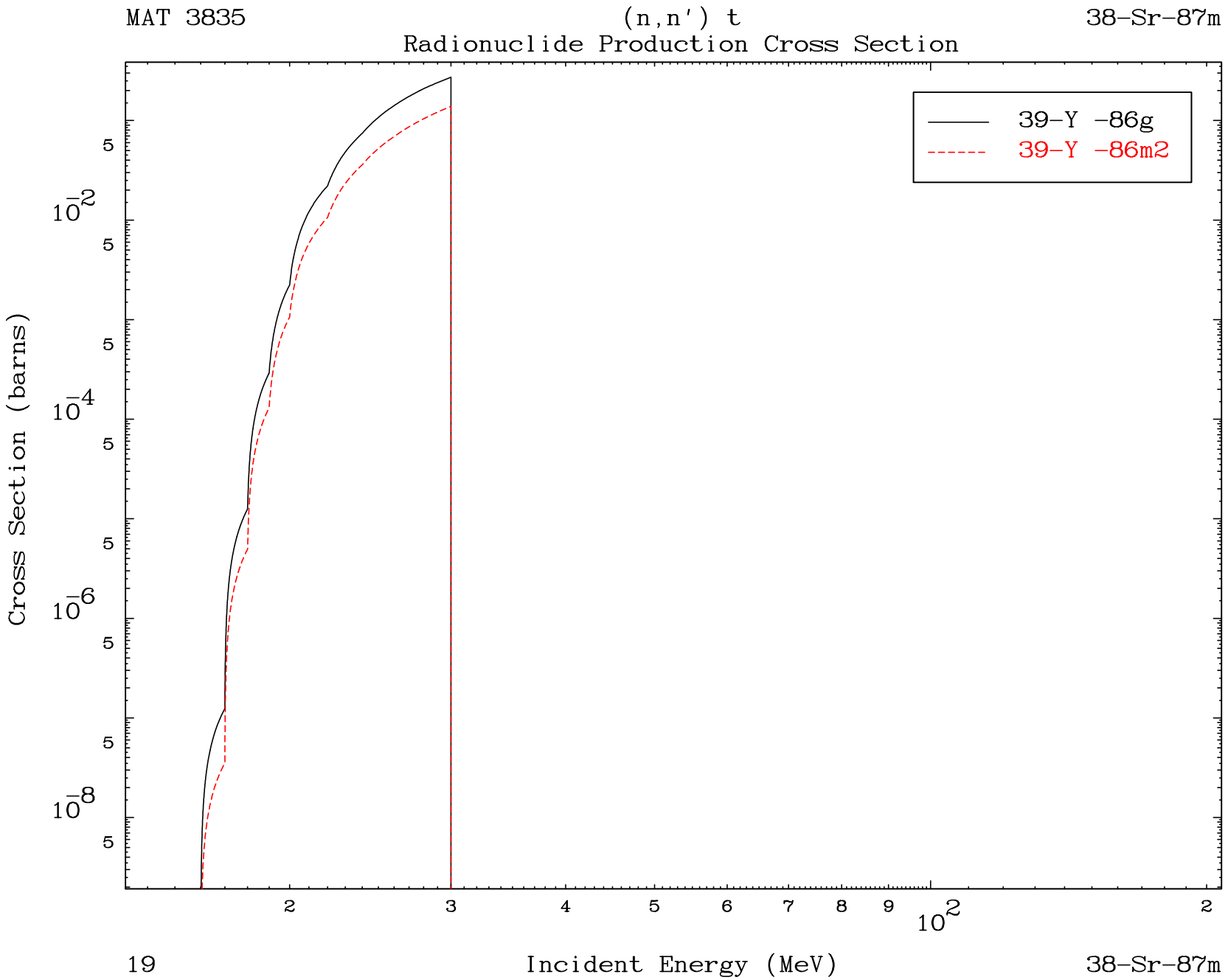

MAT 3835
(n,3n)
38-Sr-87m
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
Incident Energy (MeV)
14
38-Sr-87m

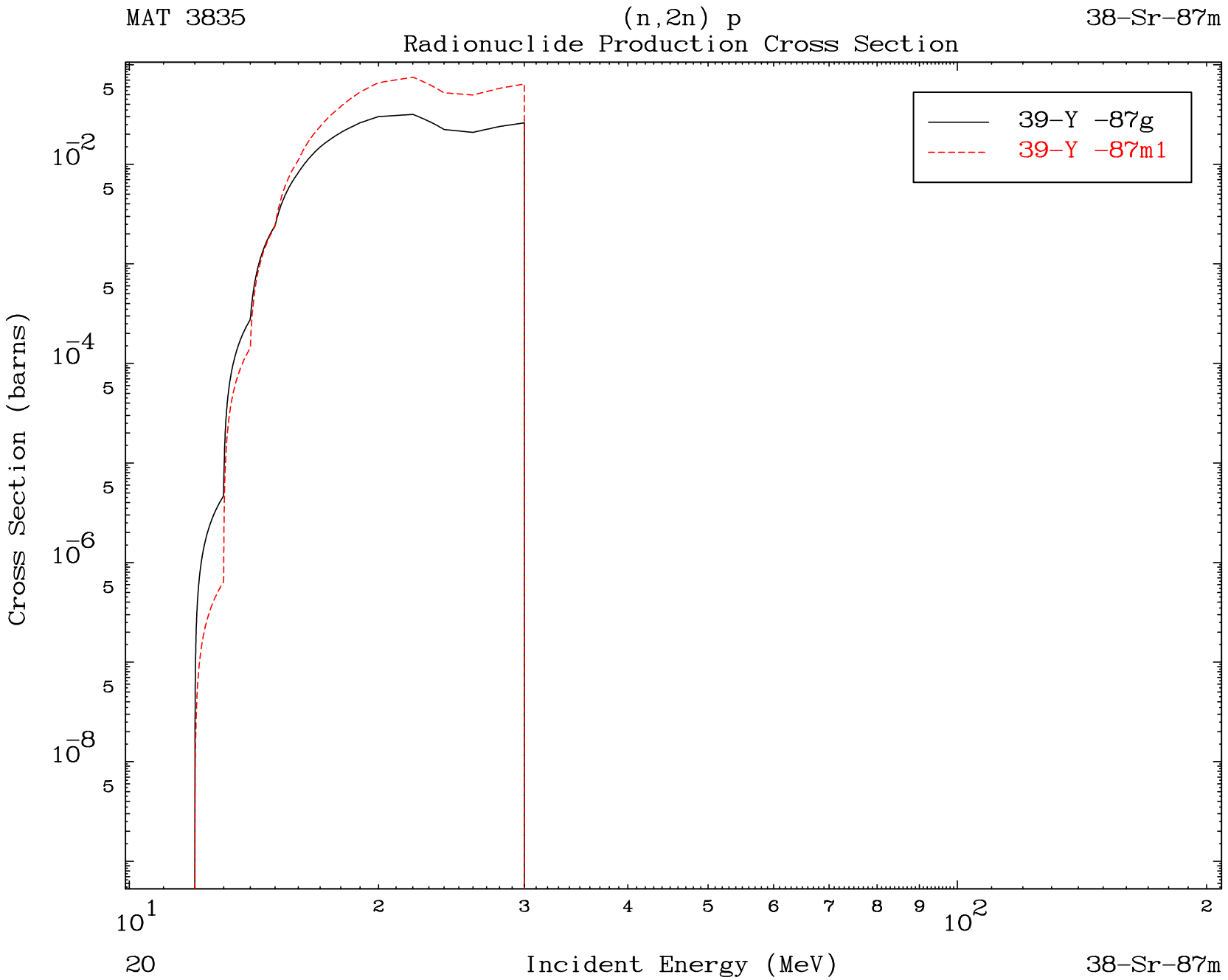

MAT 3835
(n,n') α
38-Sr-87m
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
Incident Energy (MeV)
15
38-Sr-87m

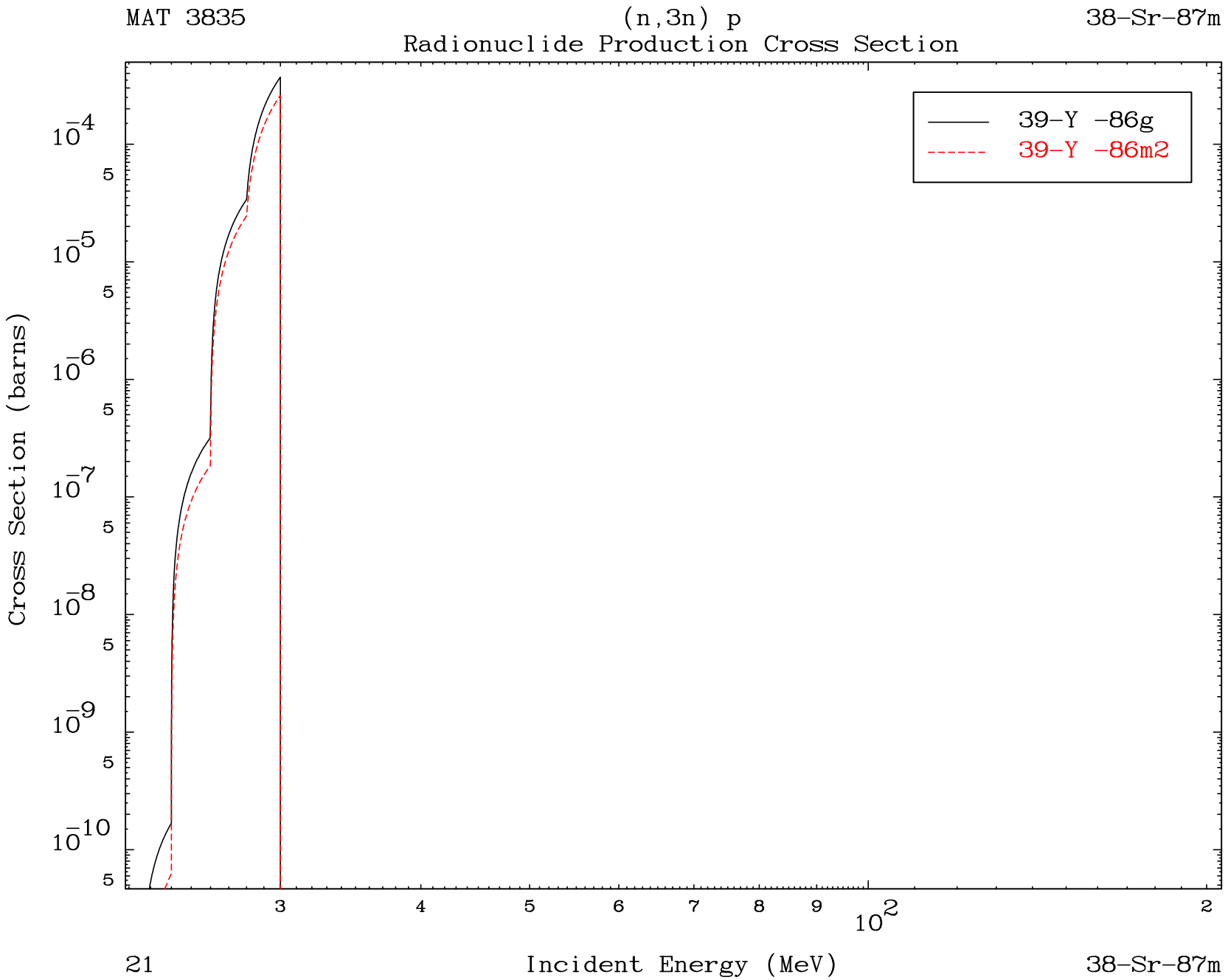

MAT 3835
(n,3n) α
38-Sr-87m
Radionuclide Production Cross Section
38-Sr-83g
38-Sr-83m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
38-Sr-87m

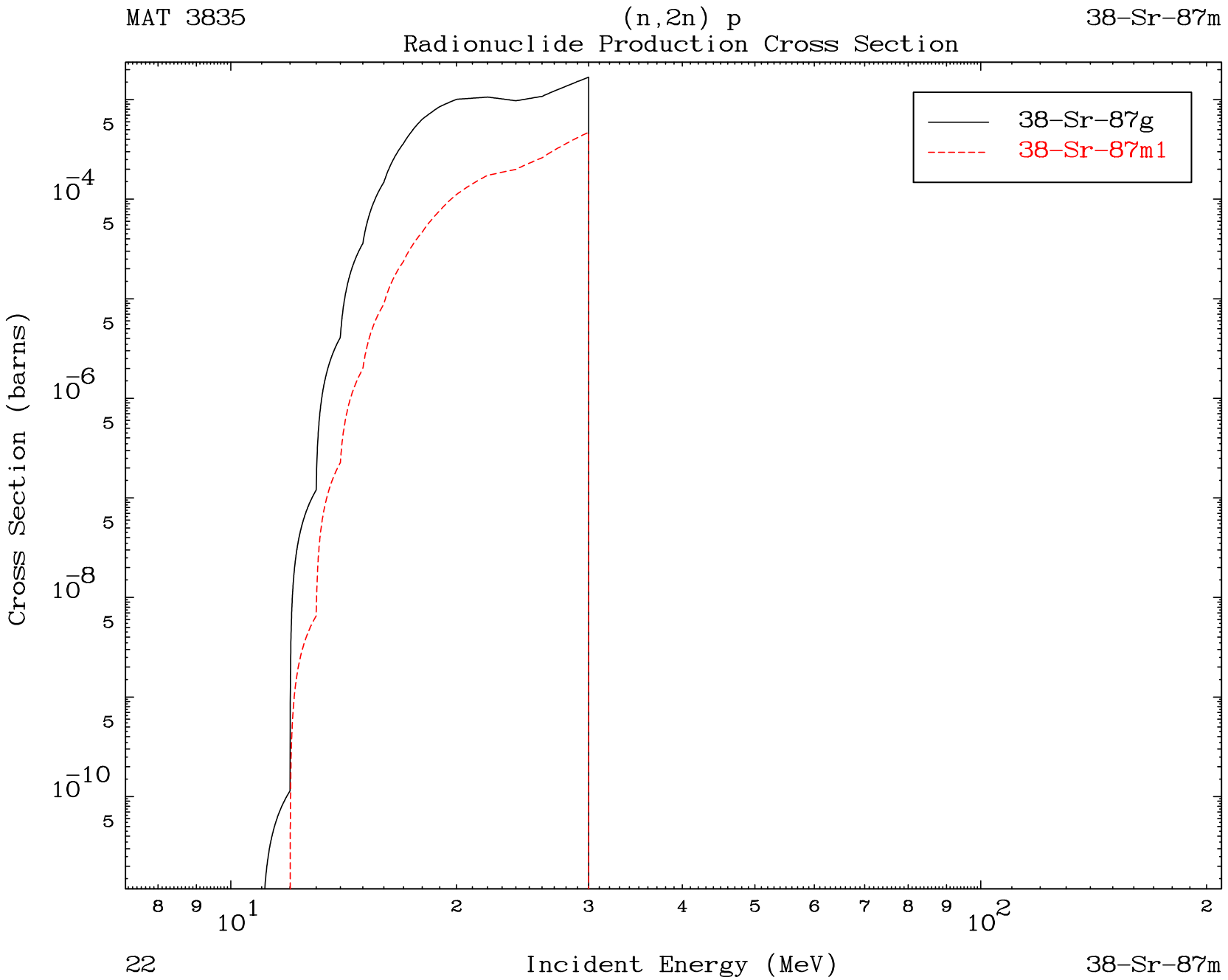

MAT 3835
(n,n') 2α
38-Sr-87m
Radionuclide Production Cross Section
36-Kr-81g
36-Kr-81m2
Cross Section (barns)
Incident Energy (MeV)
17
38-Sr-87m

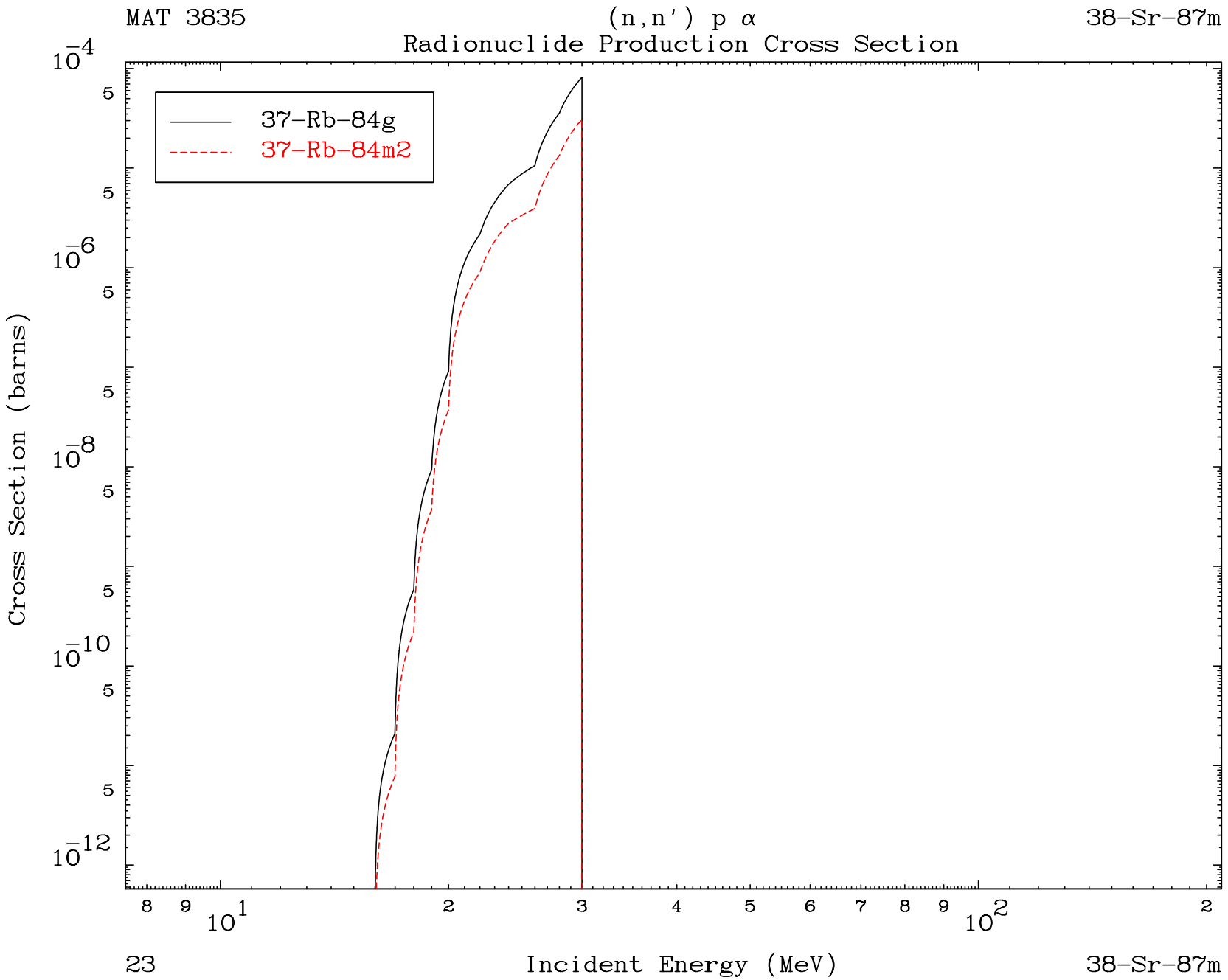

MAT 3835
(n,n') d
38-Sr-87m
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
Incident Energy (MeV)
18
38-Sr-87m

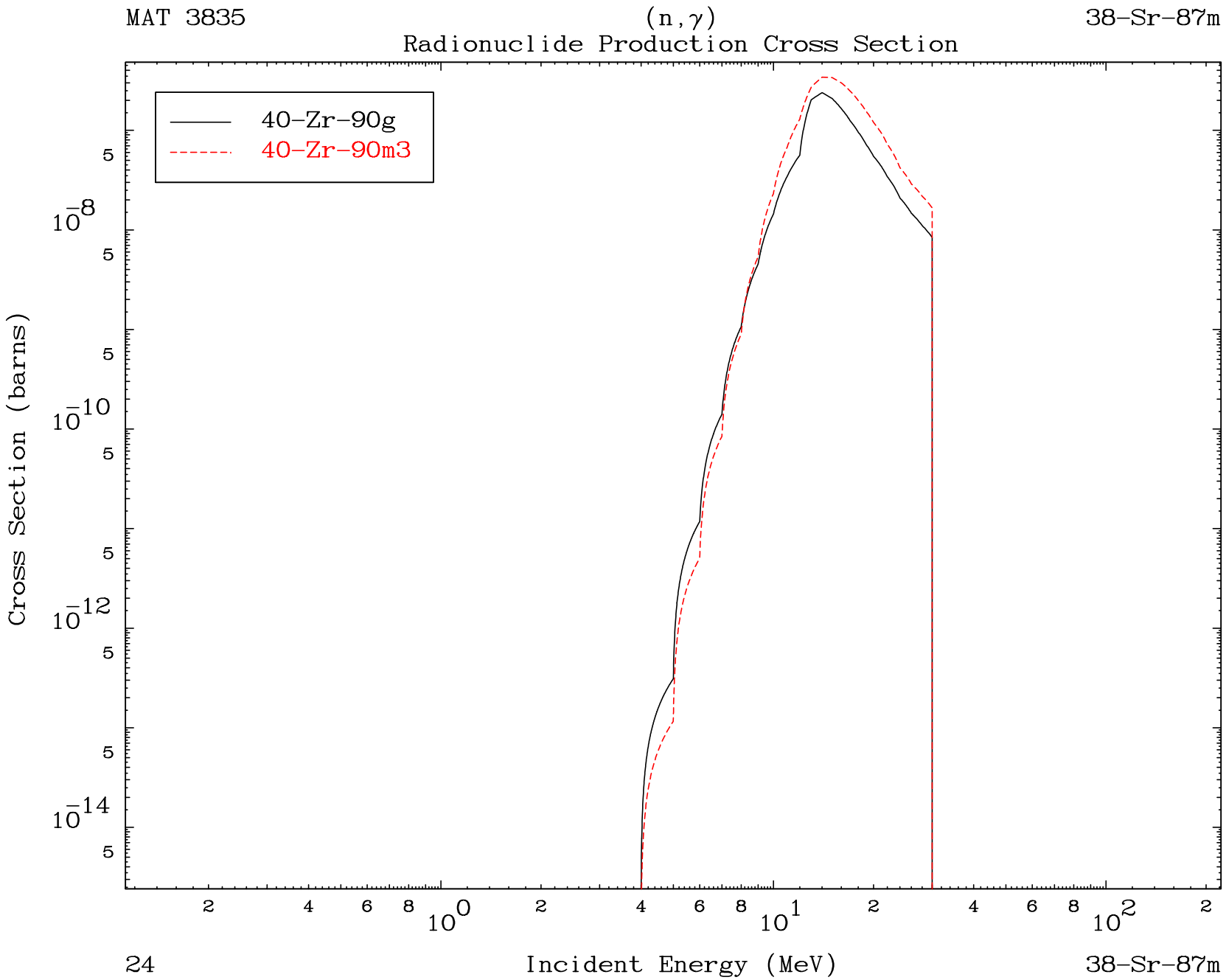

MAT 3835
(n,n') t
38-Sr-87m
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10+2
2
19
Incident Energy (MeV)
38-Sr-87m

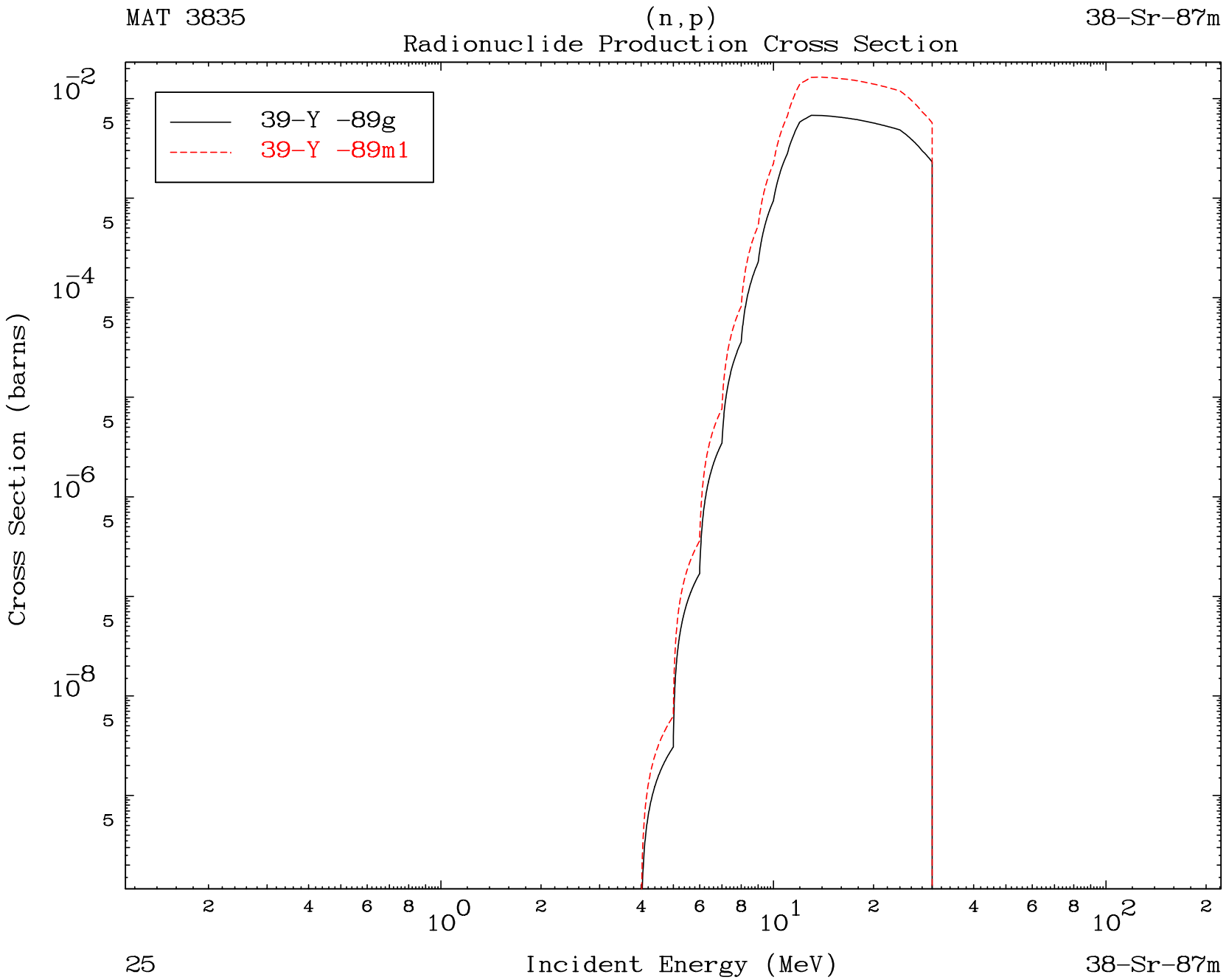

MAT 3835
(n,2n) p
38-Sr-87m
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
Incident Energy (MeV)
38-Sr-87m
20

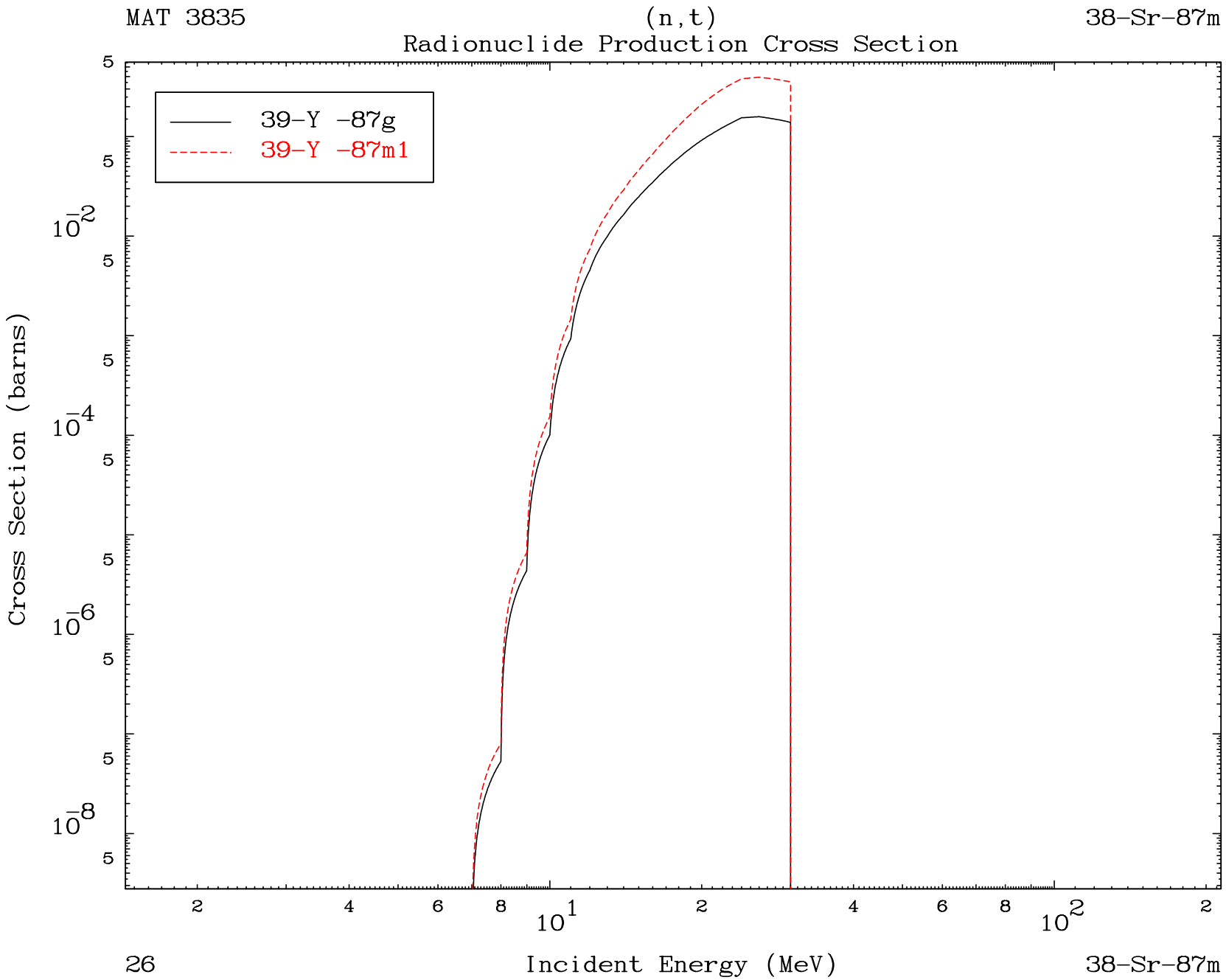

MAT 3835
(n,3n) p
38-Sr-87m
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
Incident Energy (MeV)
21
38-Sr-87m

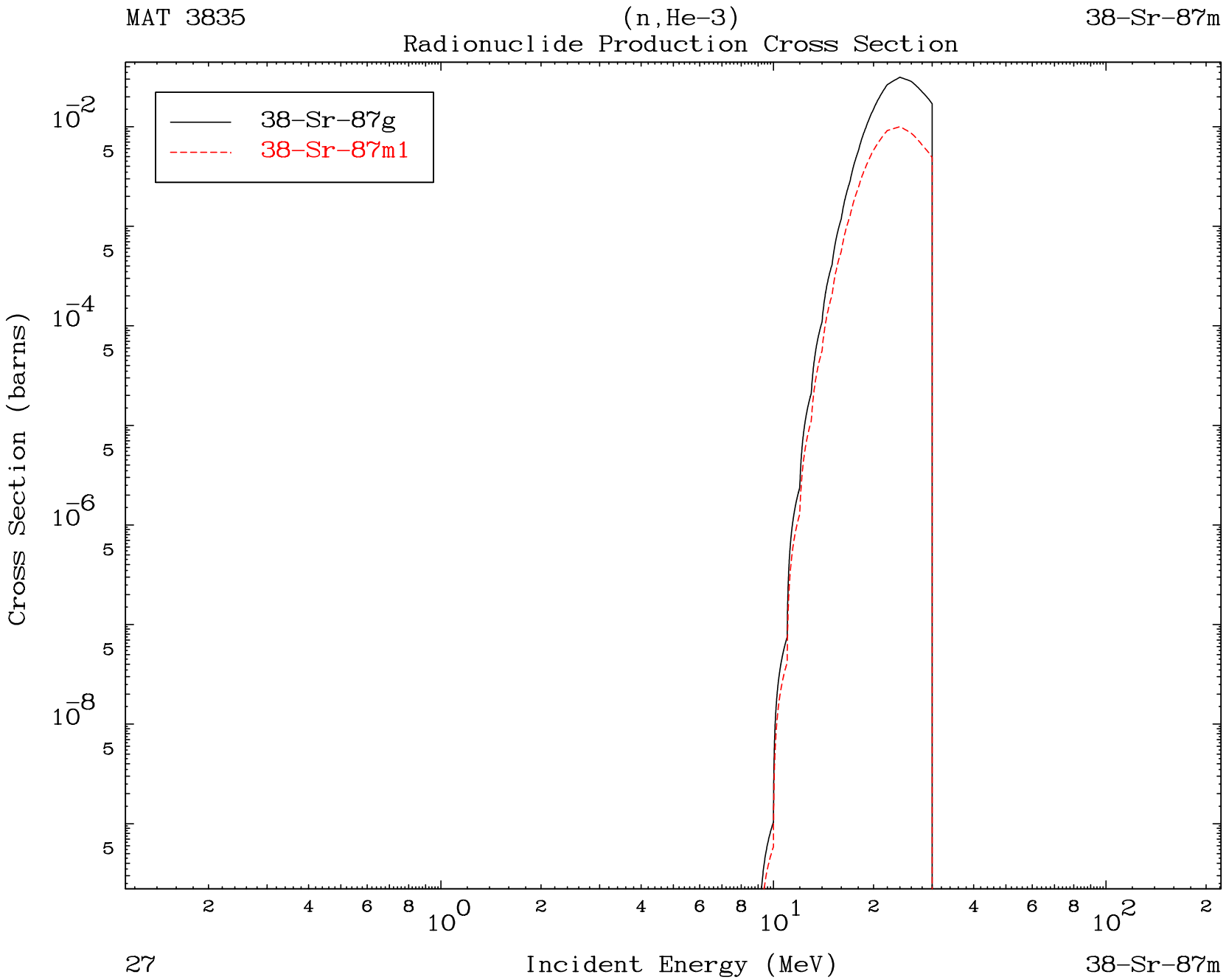

MAT 3835
(n,2n) p
38-Sr-87m
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
22
38-Sr-87m

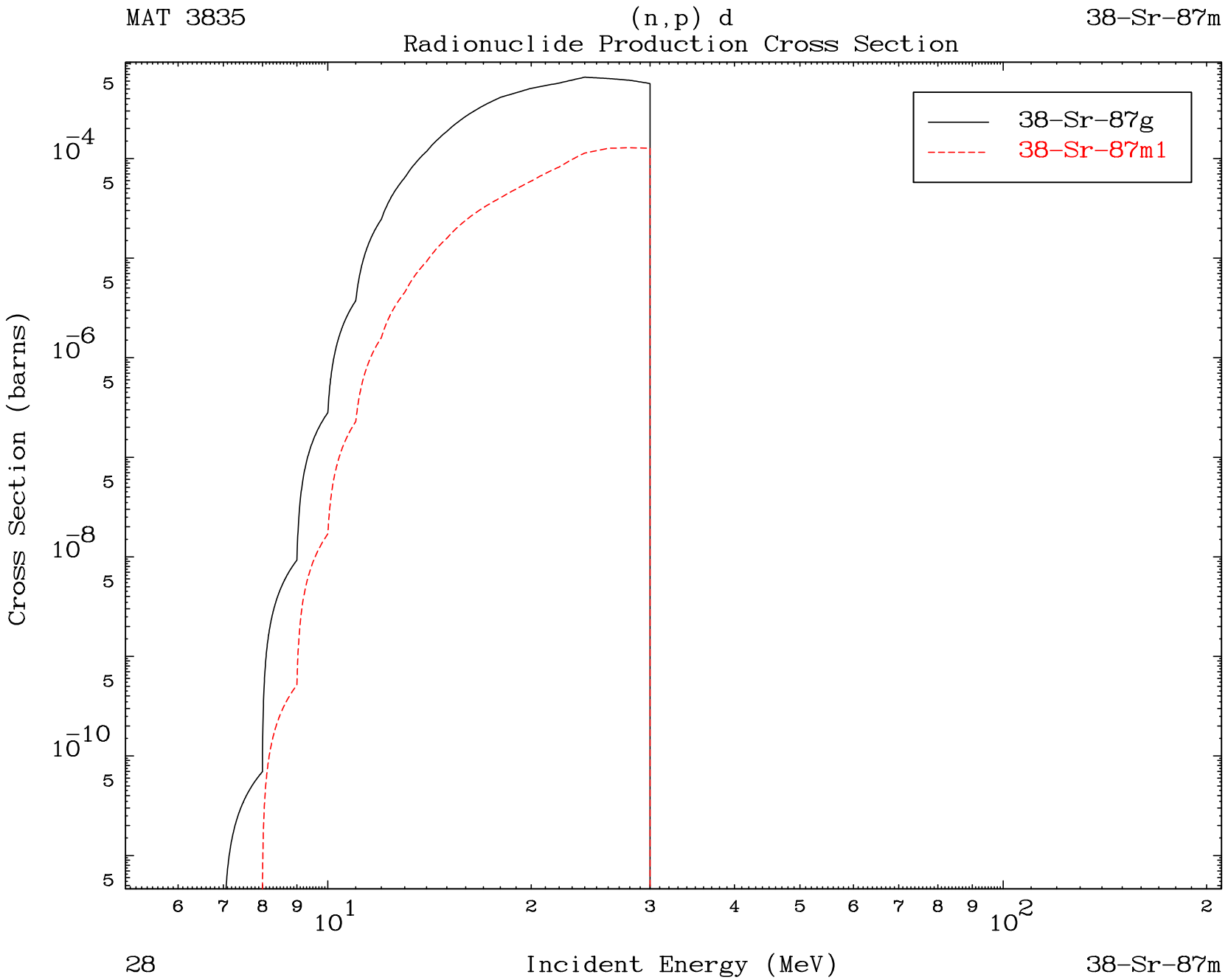

MAT 3835
(n,n') p α
38-Sr-87m
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
Incident Energy (MeV)
23
38-Sr-87m

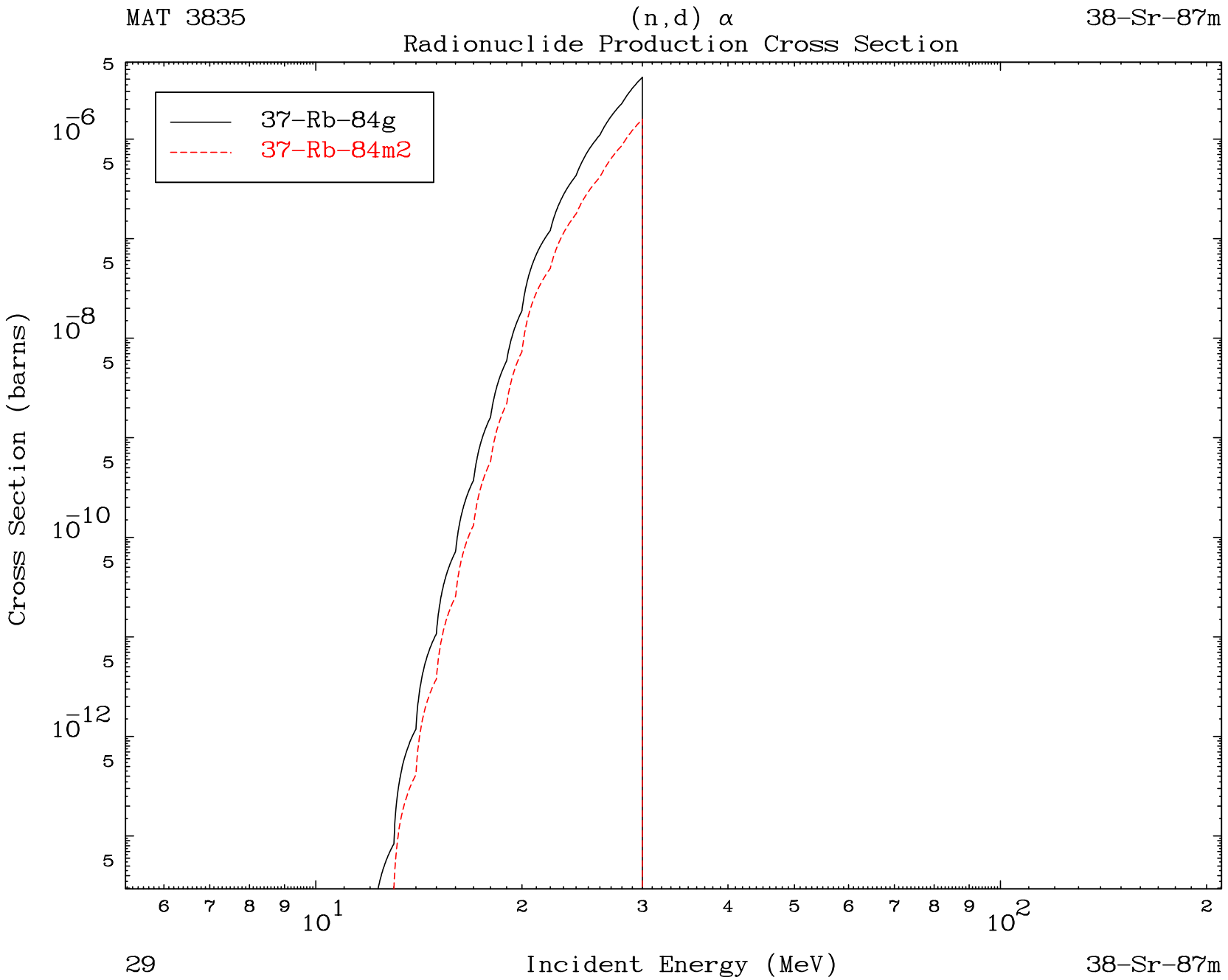

MAT 3835
(n,γ)
38-Sr-87m
Radionuclide Production Cross Section
40-Zr-90g
40-Zr-90m3
Cross Section (barns)
Incident Energy (MeV)
24
38-Sr-87m


MAT 3835
(n,p)
38-Sr-87m
Radionuclide Production Cross Section
39-Y -89g
39-Y -89m1
Cross Section (barns)
Incident Energy (MeV)
25
38-Sr-87m


MAT 3835
(n,t)
38-Sr-87m
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
Incident Energy (MeV)
26
38-Sr-87m


MAT 3835
(n,He-3)
38-Sr-87m
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
Incident Energy (MeV)
27
38-Sr-87m


MAT 3835
(n,p) d
38-Sr-87m
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
Incident Energy (MeV)
28
38-Sr-87m


MAT 3835
(n,d) α
38-Sr-87m
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
Incident Energy (MeV)
29
38-Sr-87m