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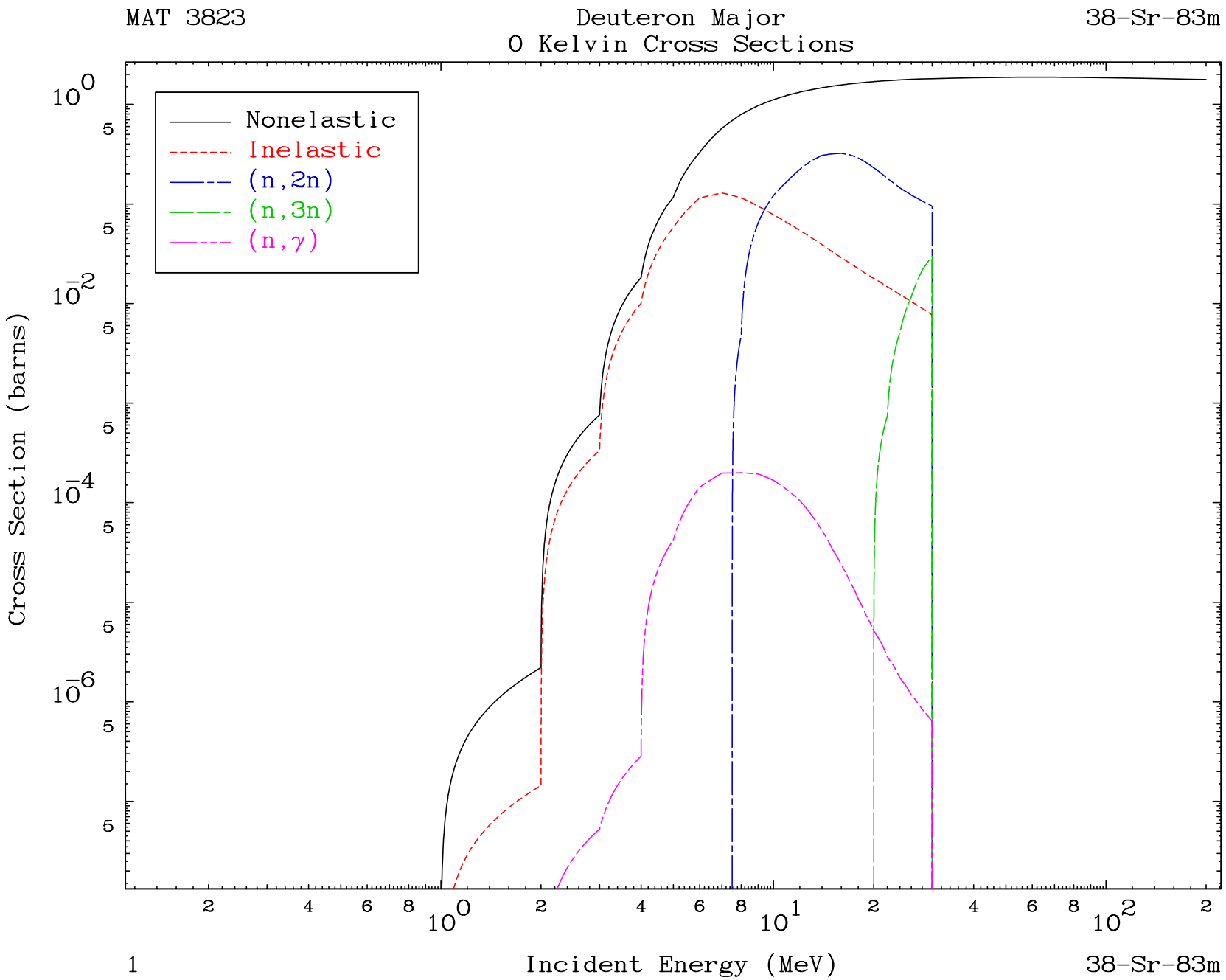
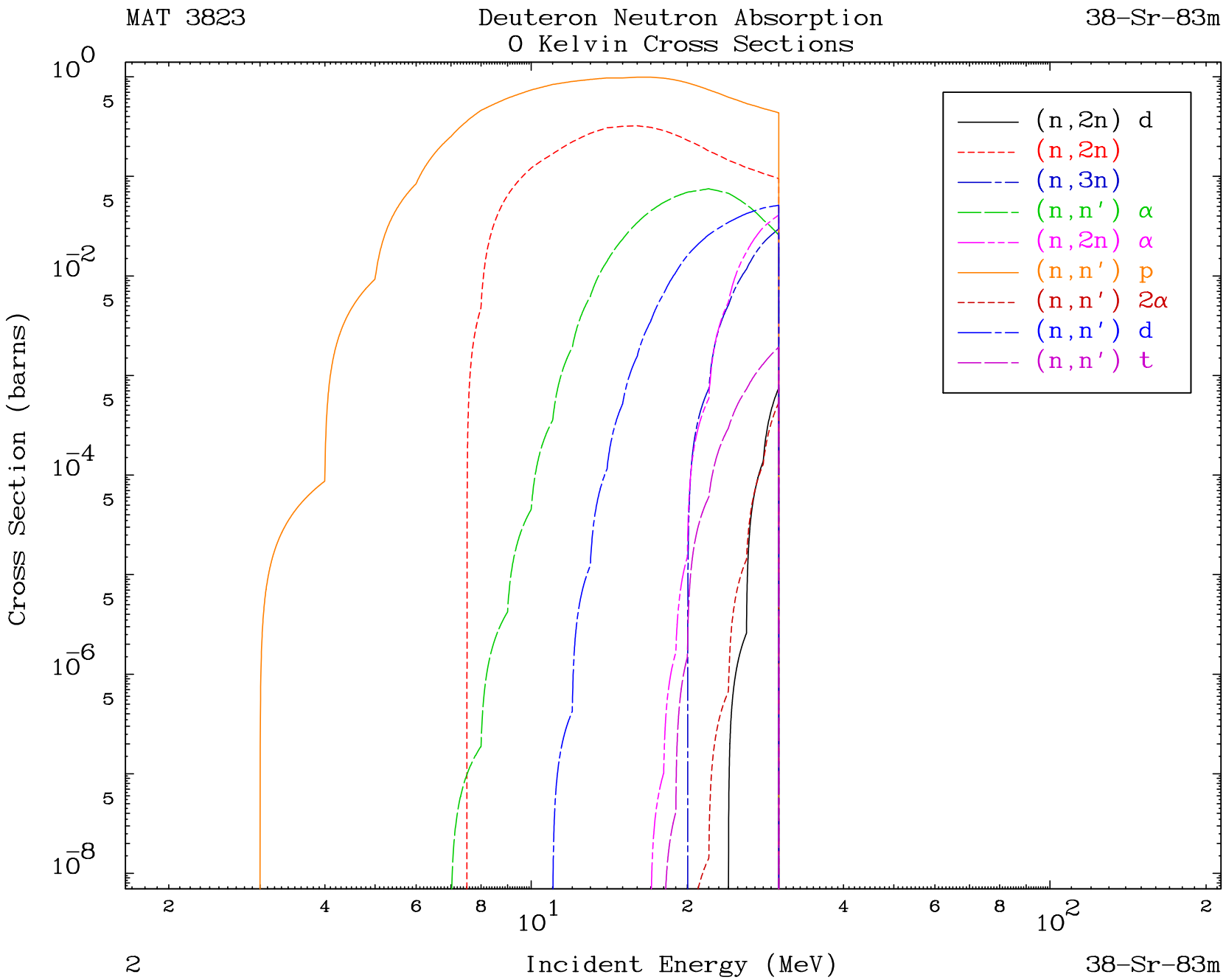
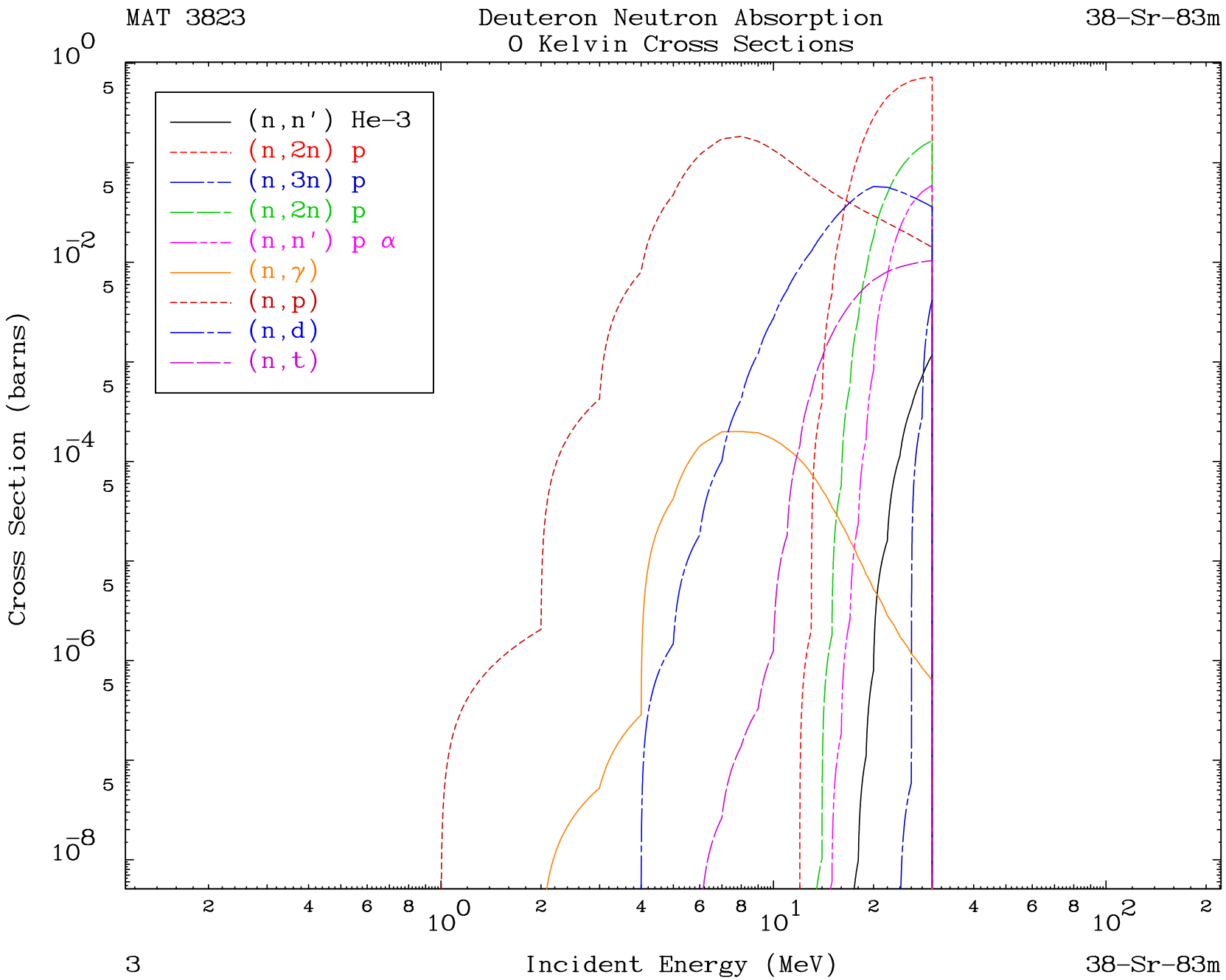
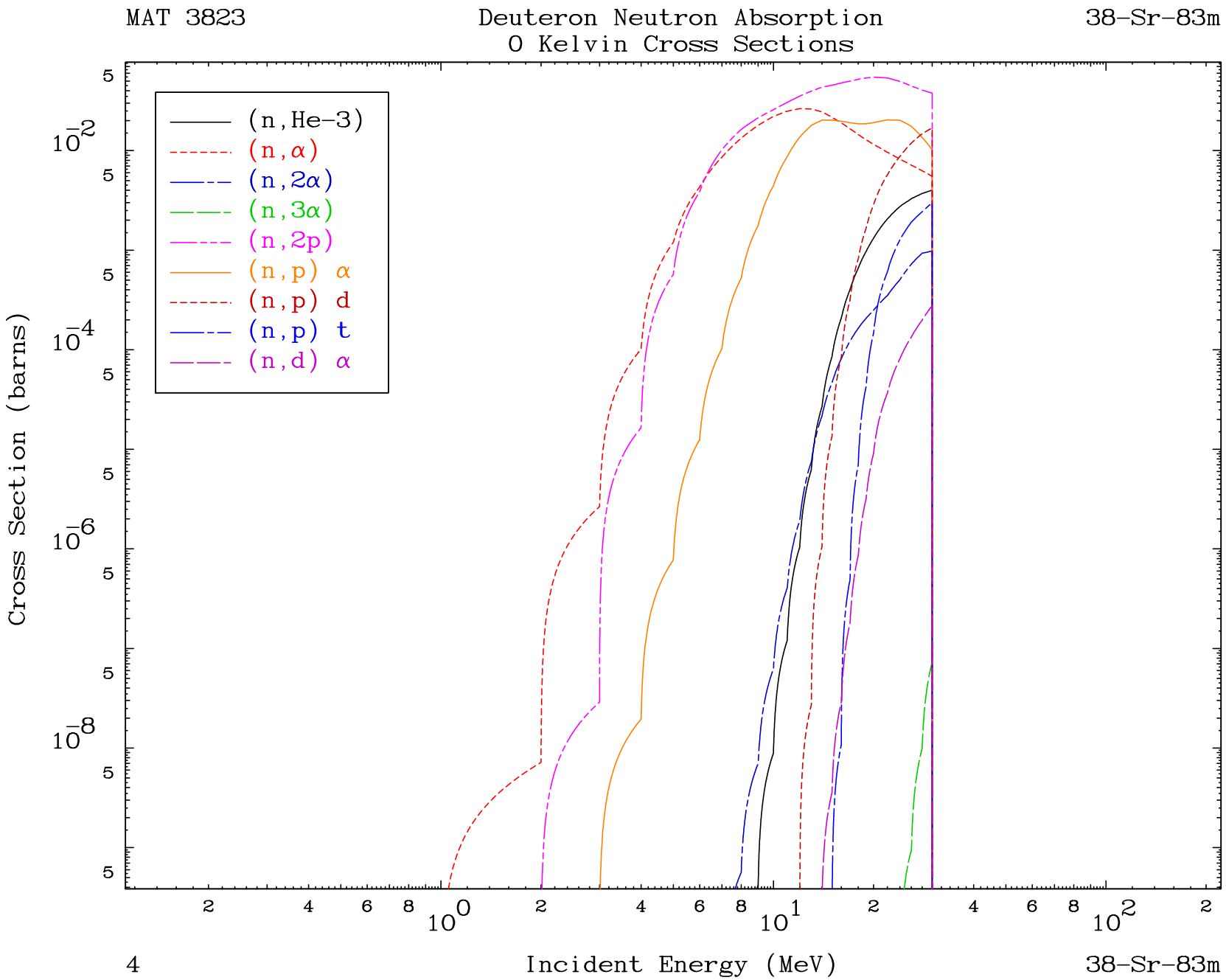
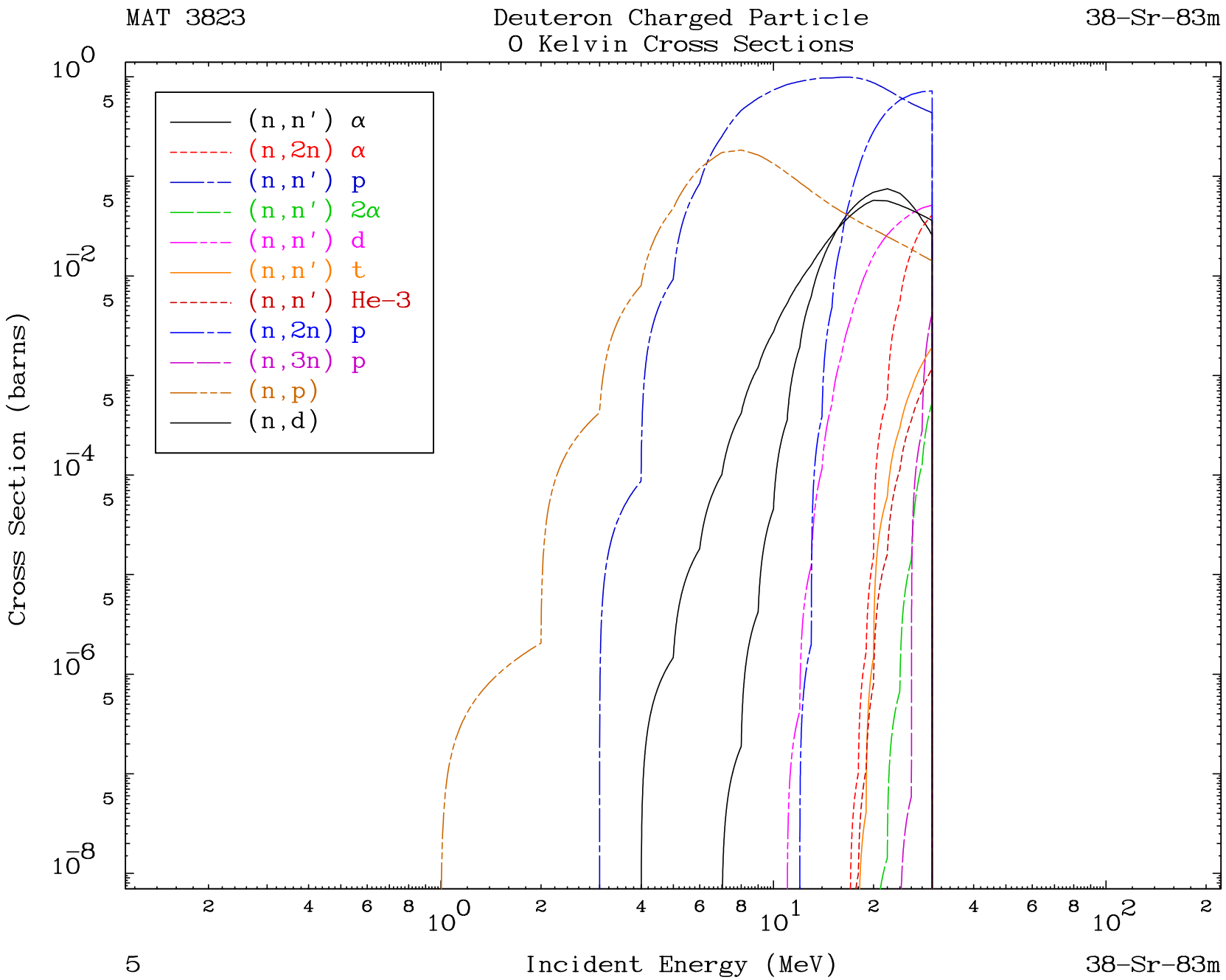
Press Mouse Button to Start

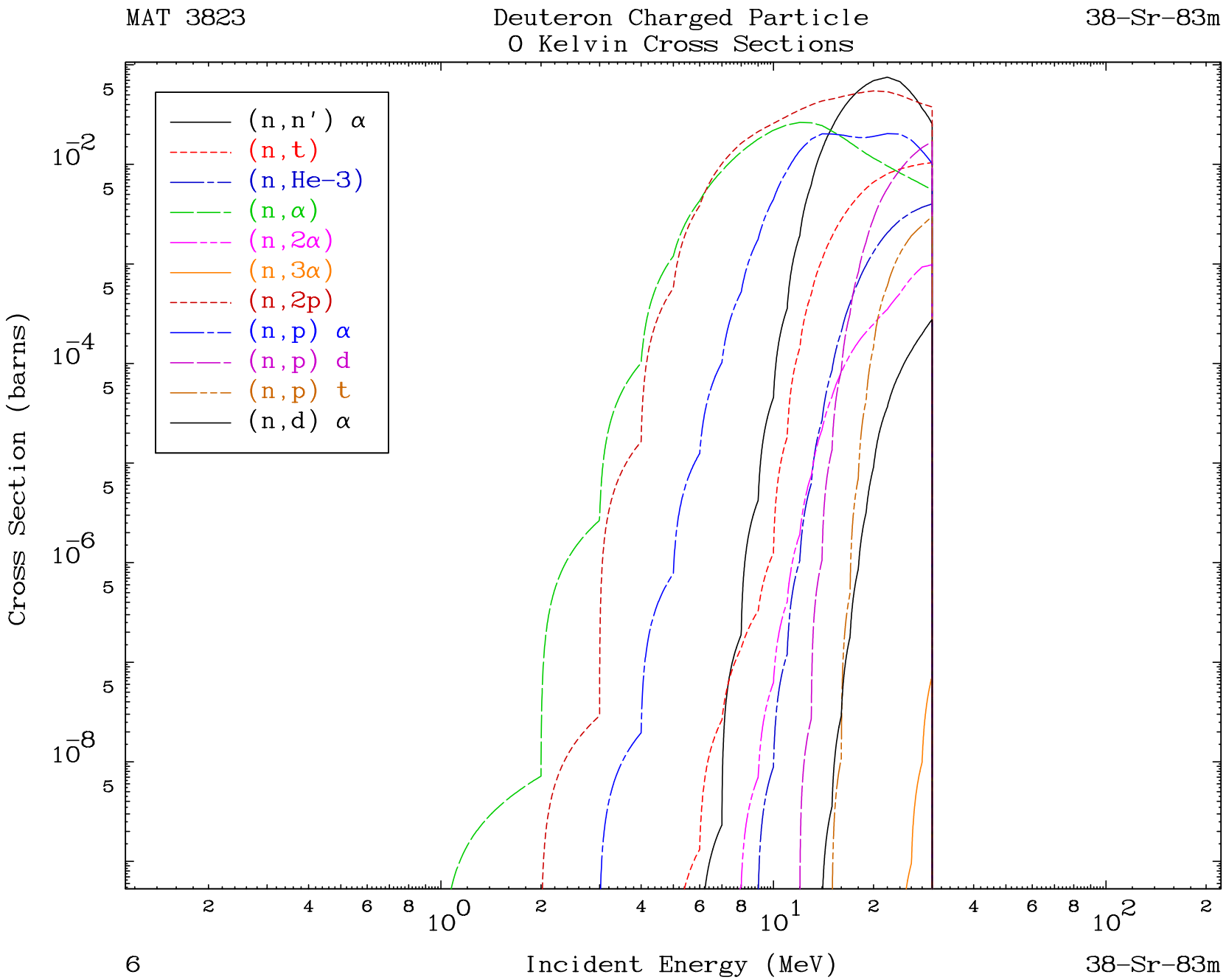

MAT 3823
Deuteron Major
38-Sr-83m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-83m
1

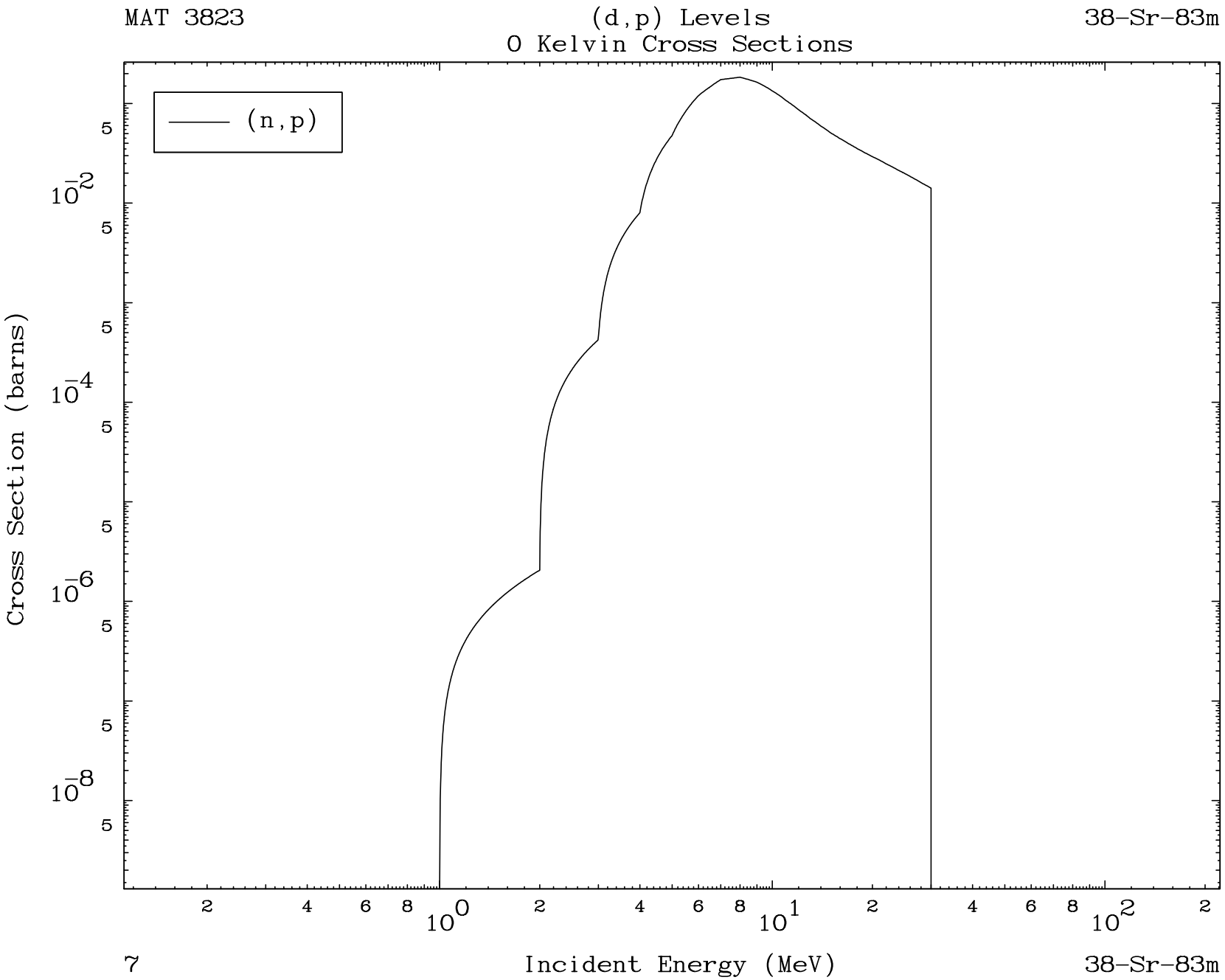

MAT 3823
Deuteron Neutron Absorption
0 Kelvin Cross Sections
38-Sr-83m
Cross Section (barns)
Incident Energy (MeV)
38-Sr-83m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t

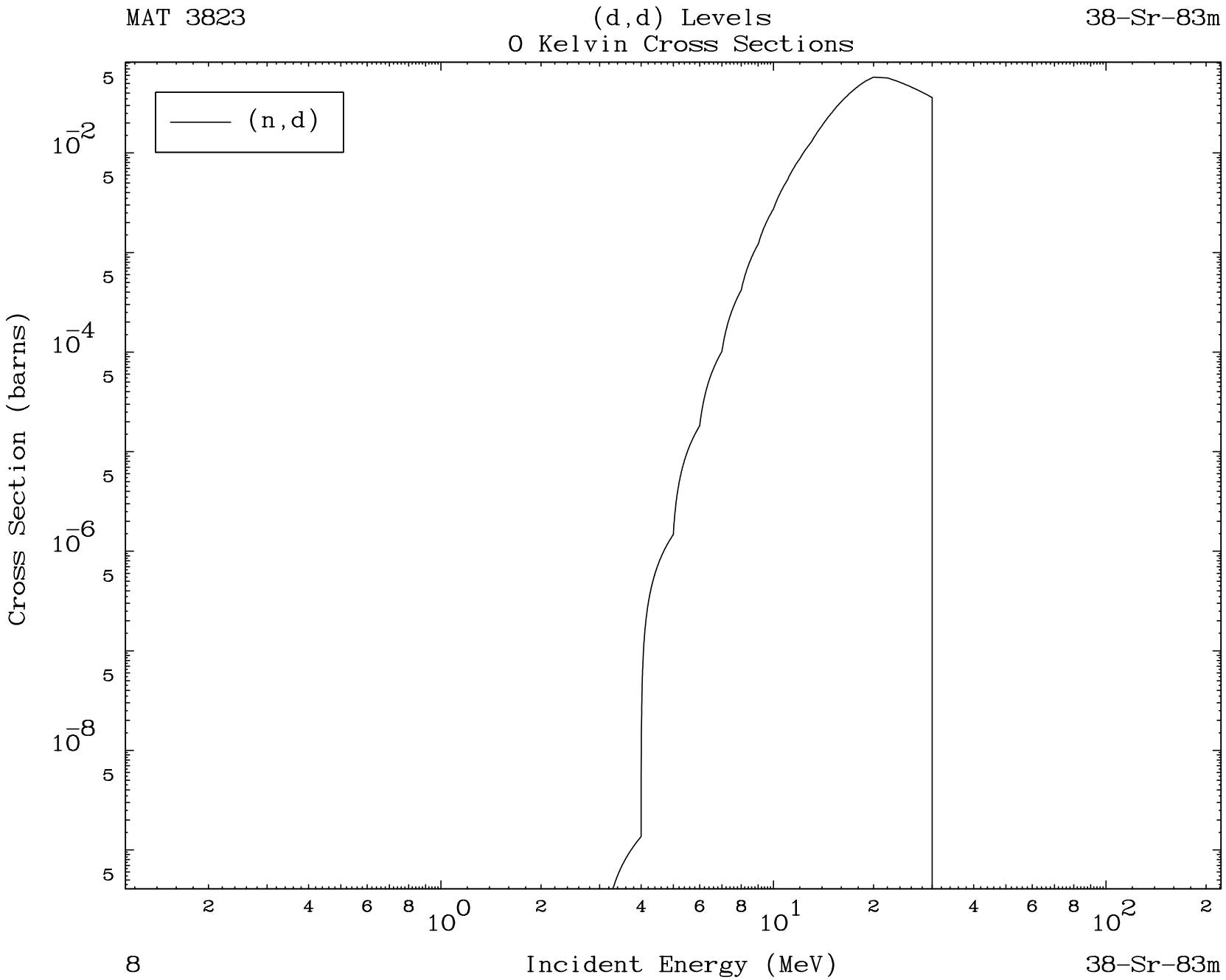

MAT 3823
Deuteron Neutron Absorption
0 Kelvin Cross Sections
38-Sr-83m
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
38-Sr-83m

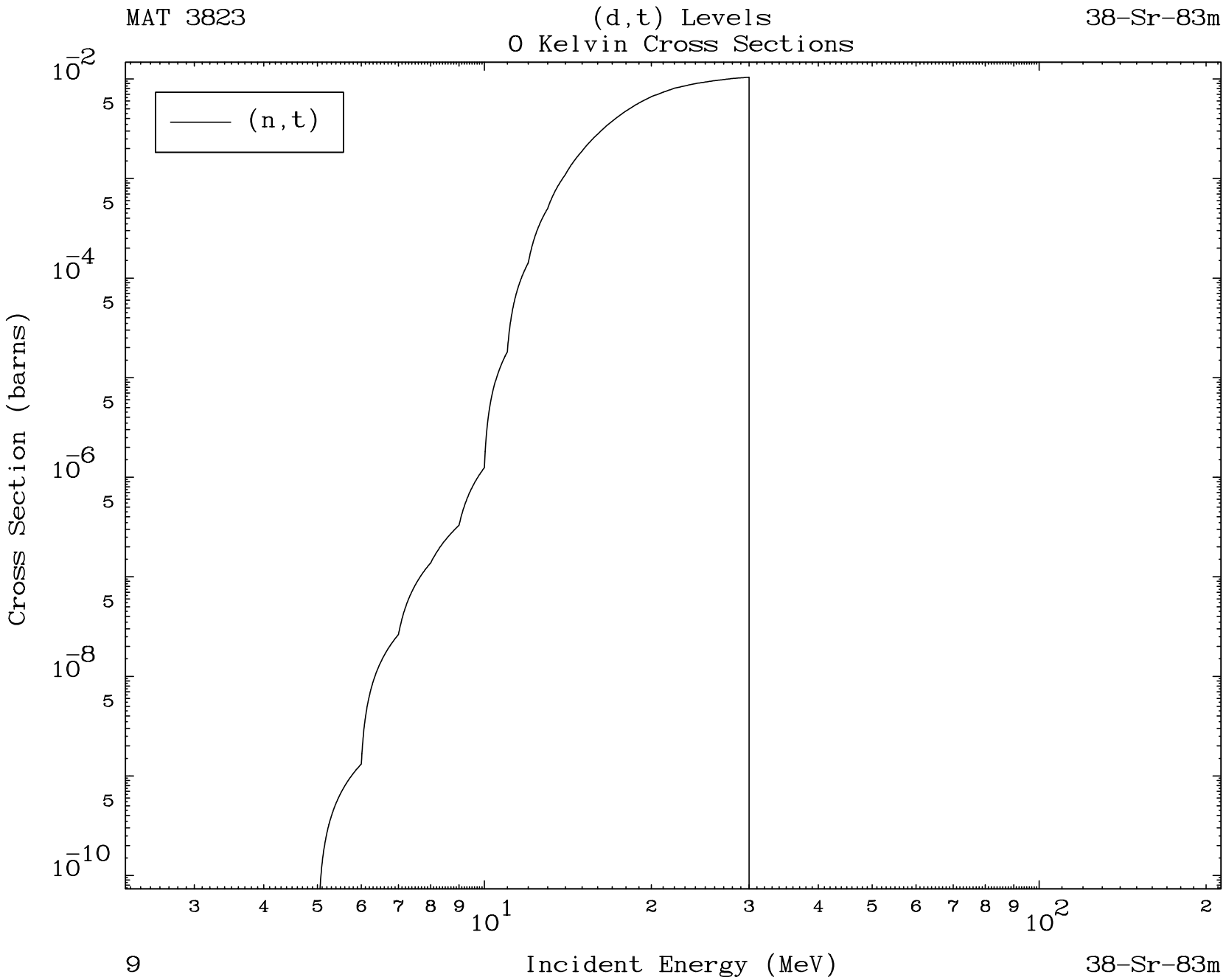

MAT 3823
Deuteron Neutron Absorption
0 Kelvin Cross Sections
38-Sr-83m
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
38-Sr-83m

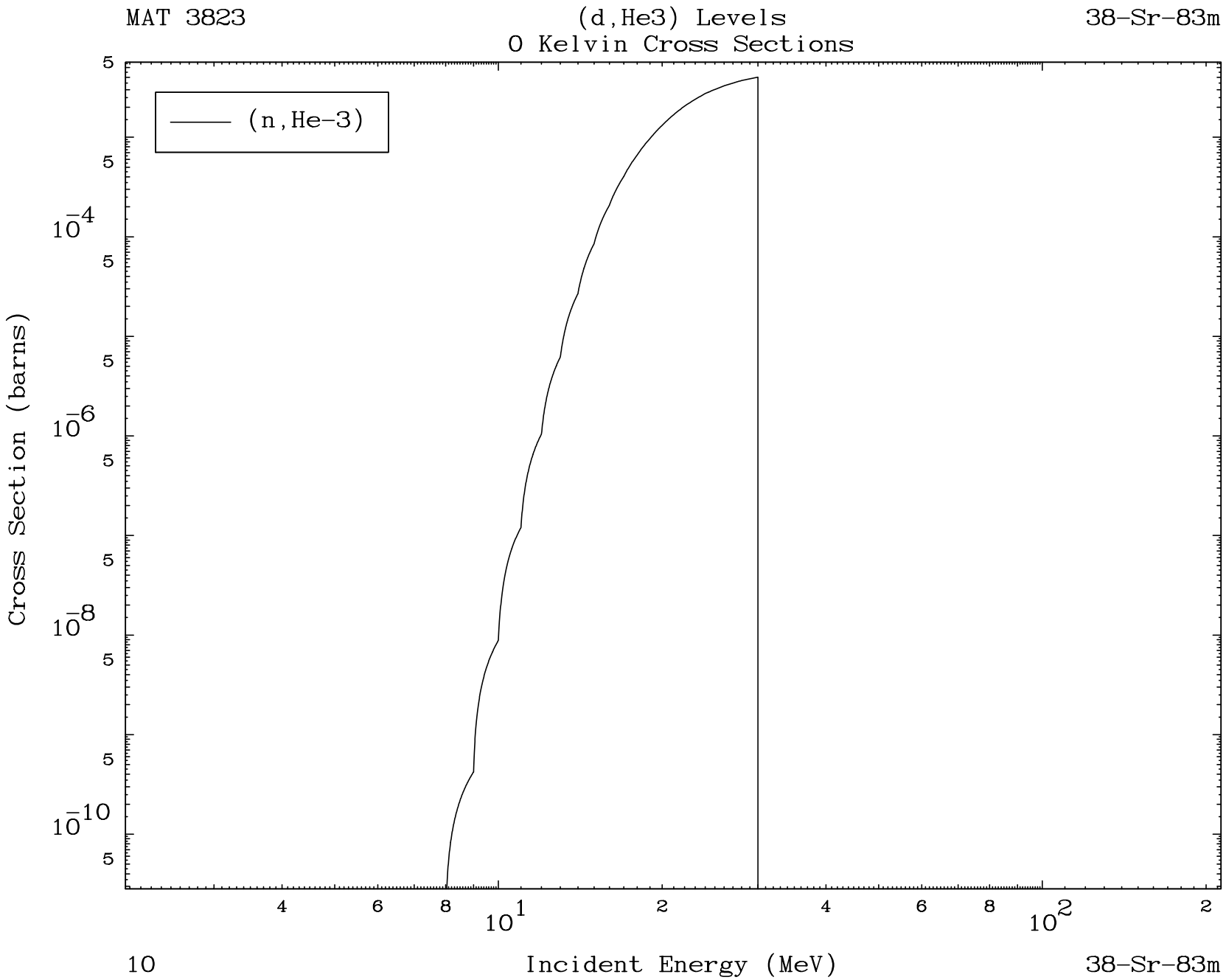

MAT 3823
Deuteron Charged Particle
0 Kelvin Cross Sections
38-Sr-83m
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-83m
5

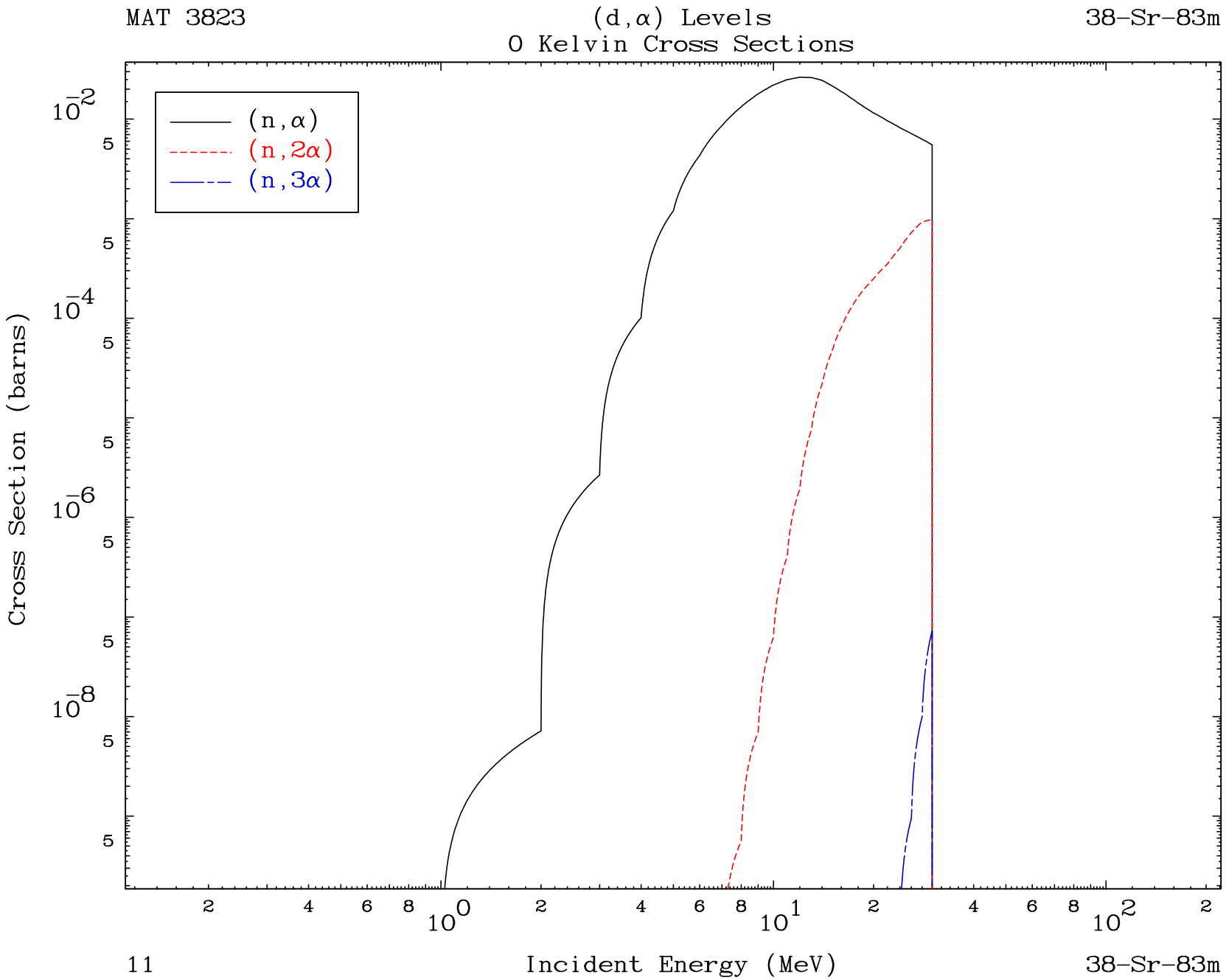

MAT 3823
Deuteron Charged Particle
0 Kelvin Cross Sections
38-Sr-83m
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
38-Sr-83m

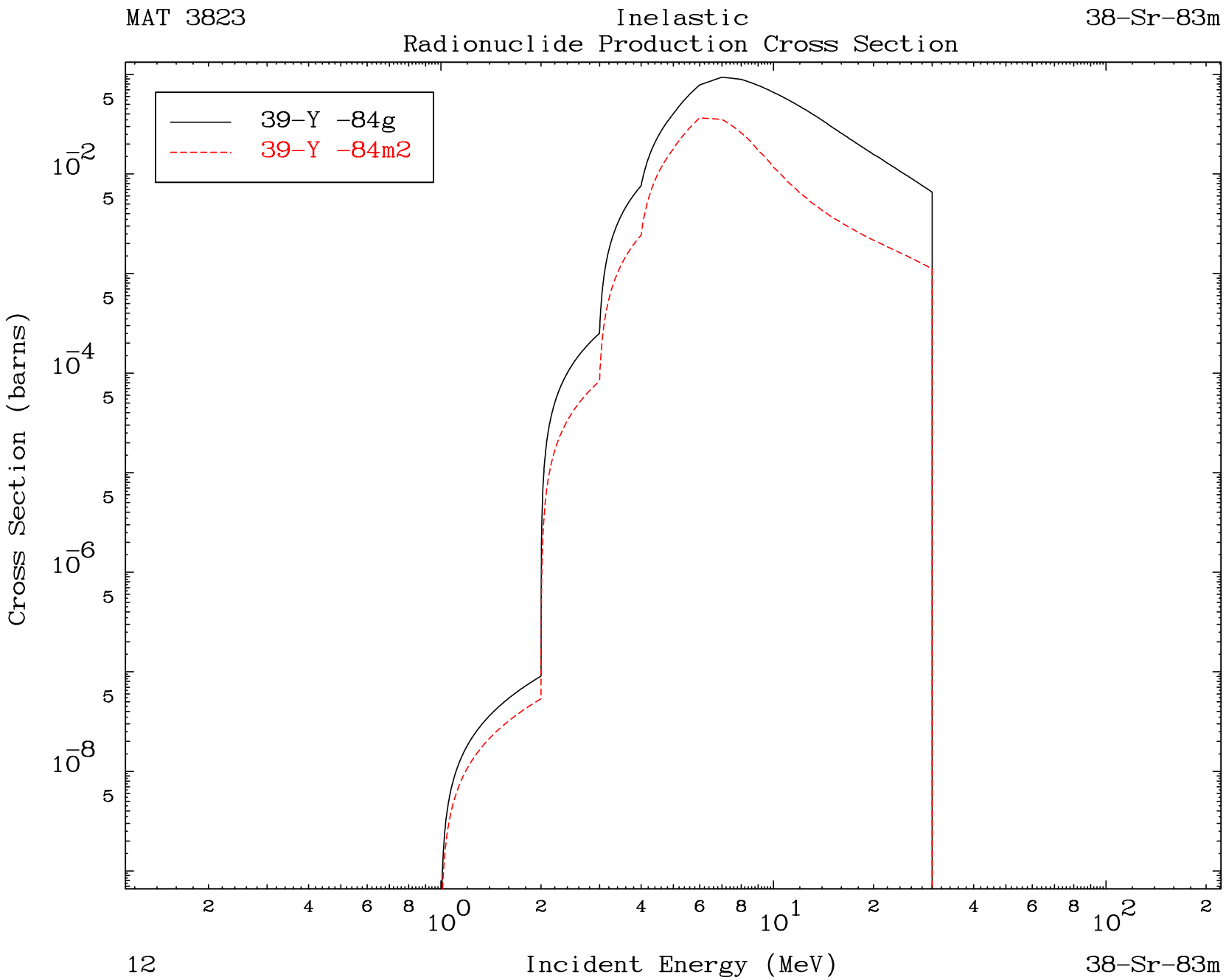

MAT 3823
(d,p) Levels
38-Sr-83m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
38-Sr-83m

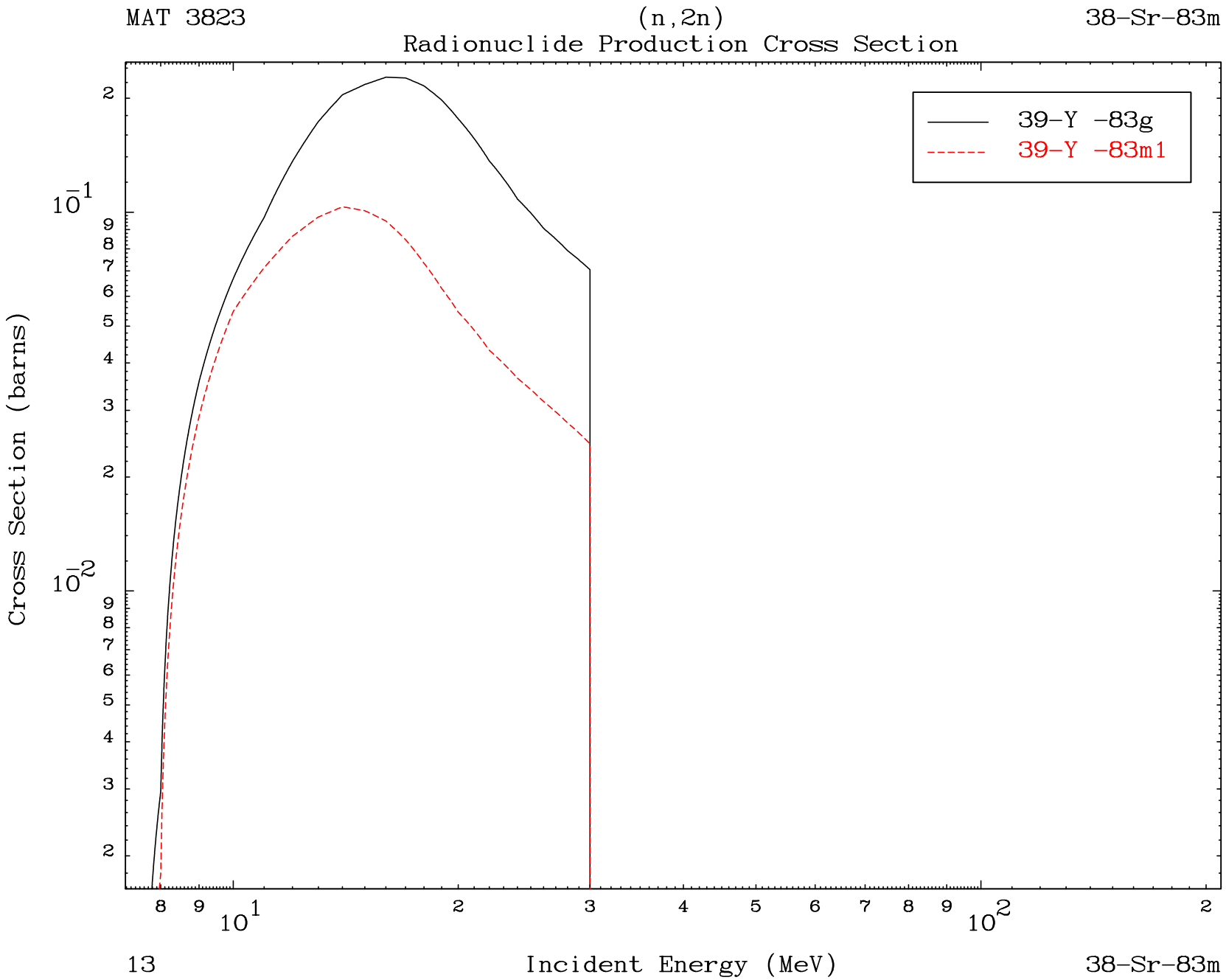

MAT 3823
(d,d) Levels
38-Sr-83m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-83m
8

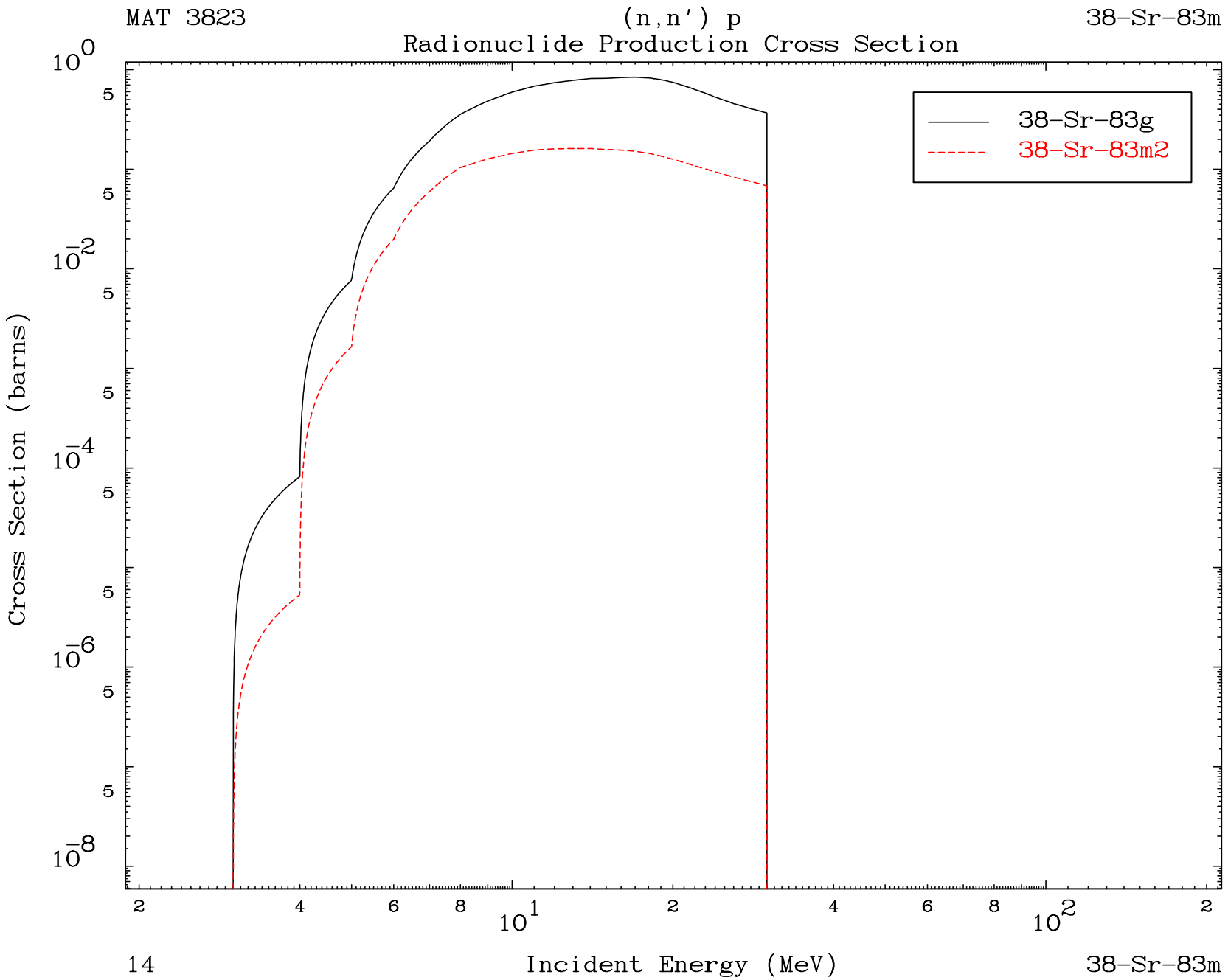

MAT 3823
(d,t) Levels
38-Sr-83m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
38-Sr-83m

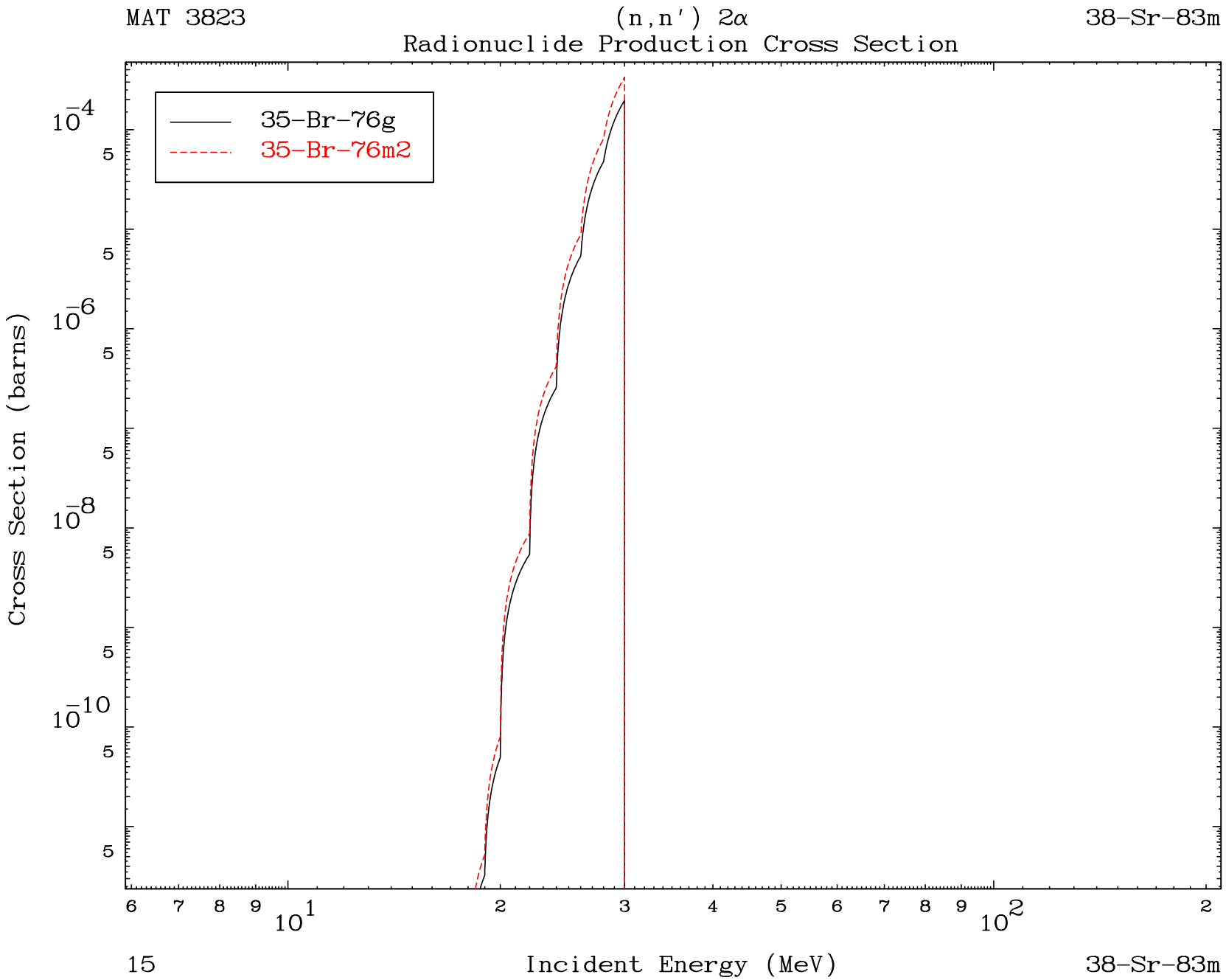

MAT 3823
(d,He3) Levels
38-Sr-83m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
4
6
8
10^1
2
10^2
10
Incident Energy (MeV)
38-Sr-83m

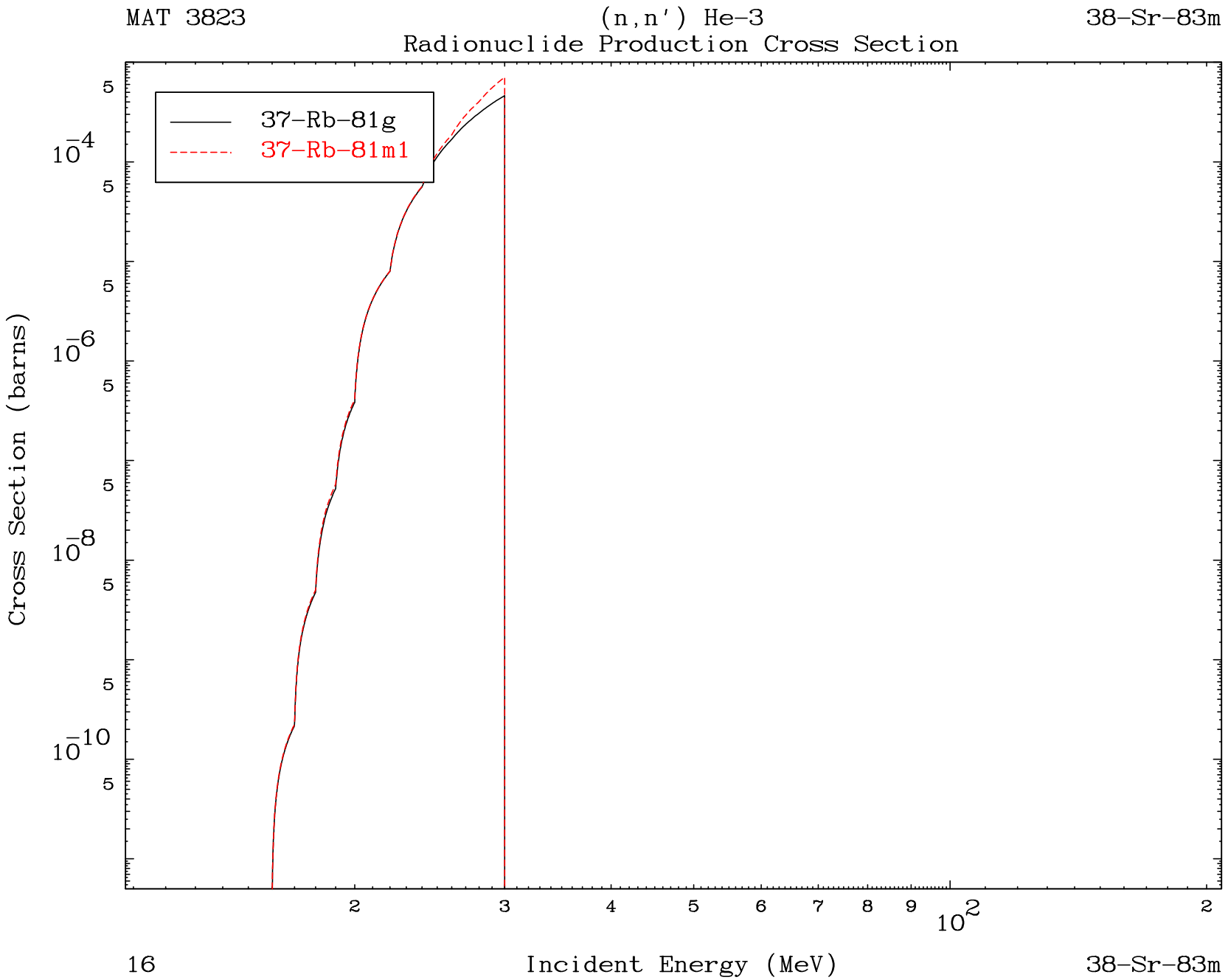

MAT 3823
(d,α) Levels
38-Sr-83m
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
38-Sr-83m

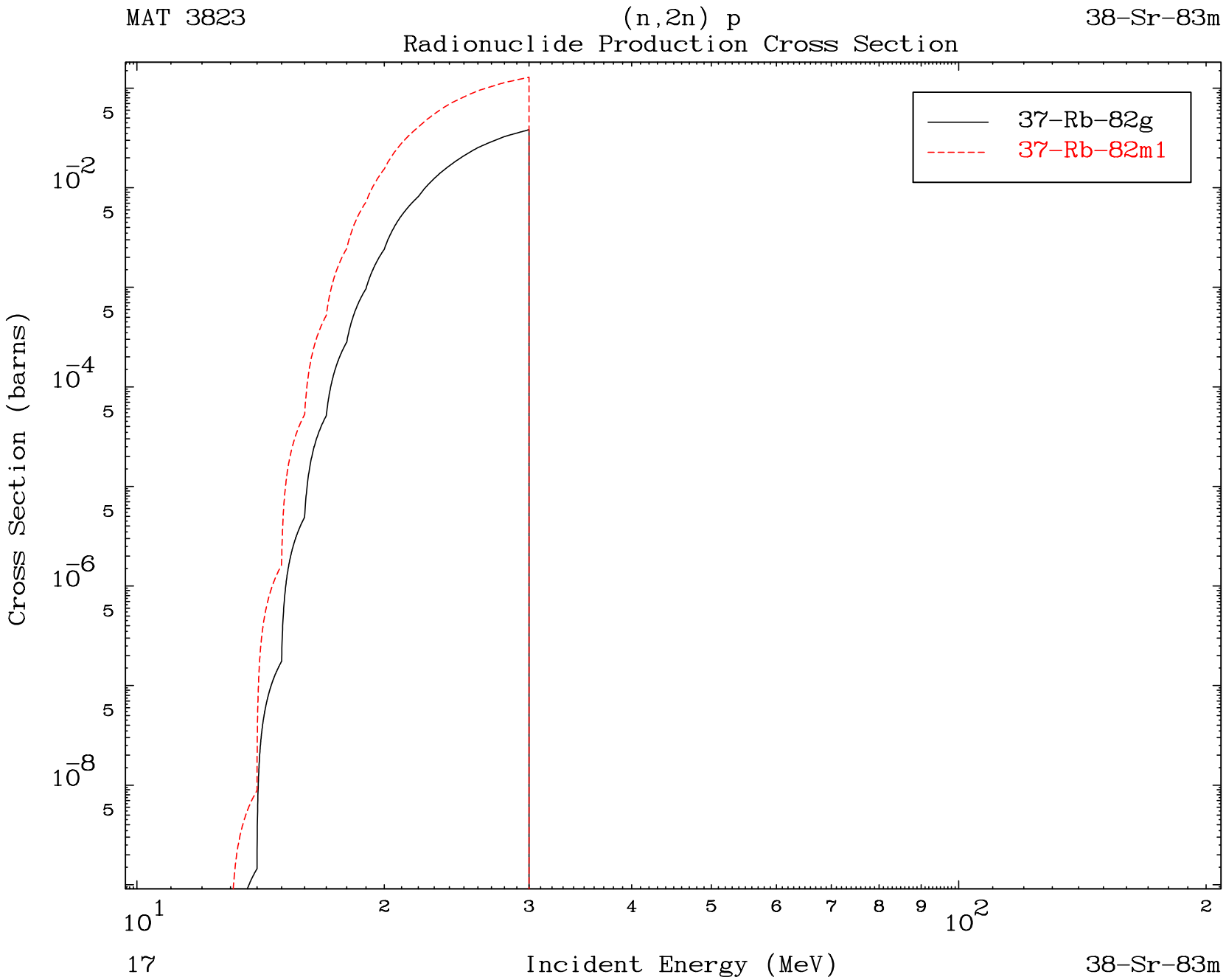

MAT 3823
Inelastic
38-Sr-83m
Radionuclide Production Cross Section
39-Y -84g
39-Y -84m2
Cross Section (barns)
Incident Energy (MeV)
12
38-Sr-83m

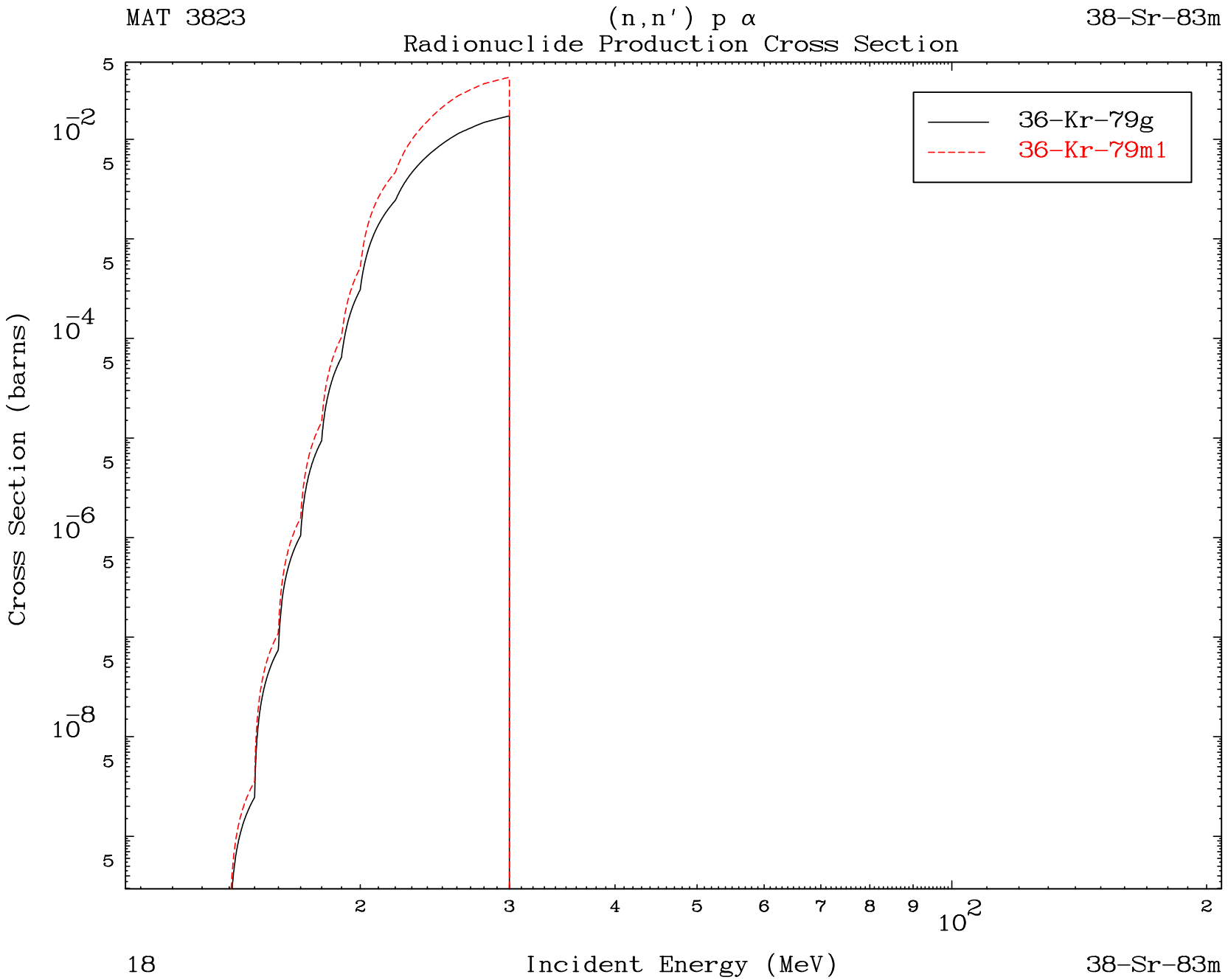

MAT 3823
(n,2n)
38-Sr-83m
Radionuclide Production Cross Section
39-Y -83g
39-Y -83m1
Cross Section (barns)
Incident Energy (MeV)
13
38-Sr-83m

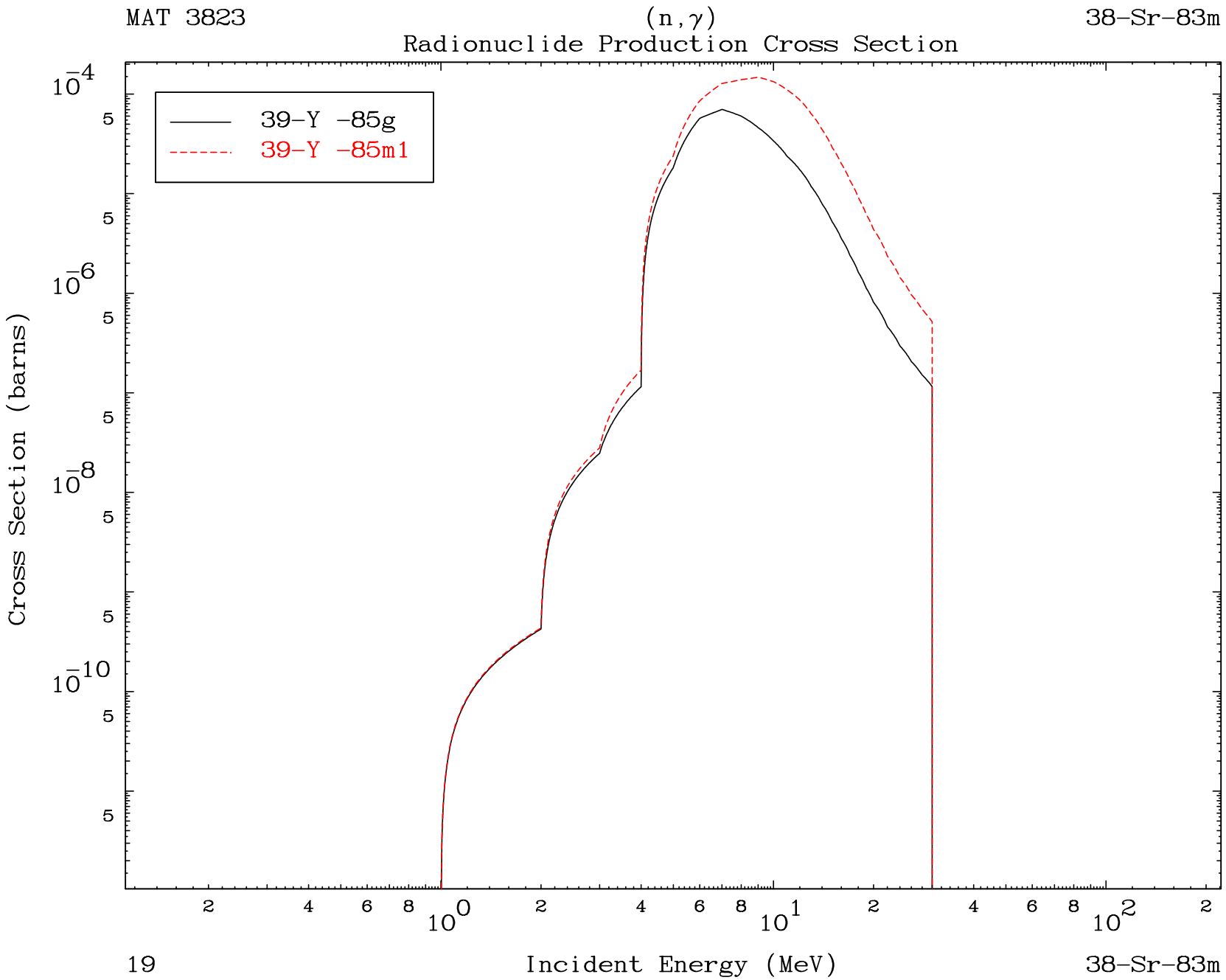

MAT 3823
(n,n') p
38-Sr-83m
Radionuclide Production Cross Section
38-Sr-83g
38-Sr-83m2
Cross Section (barns)
Incident Energy (MeV)
14
38-Sr-83m

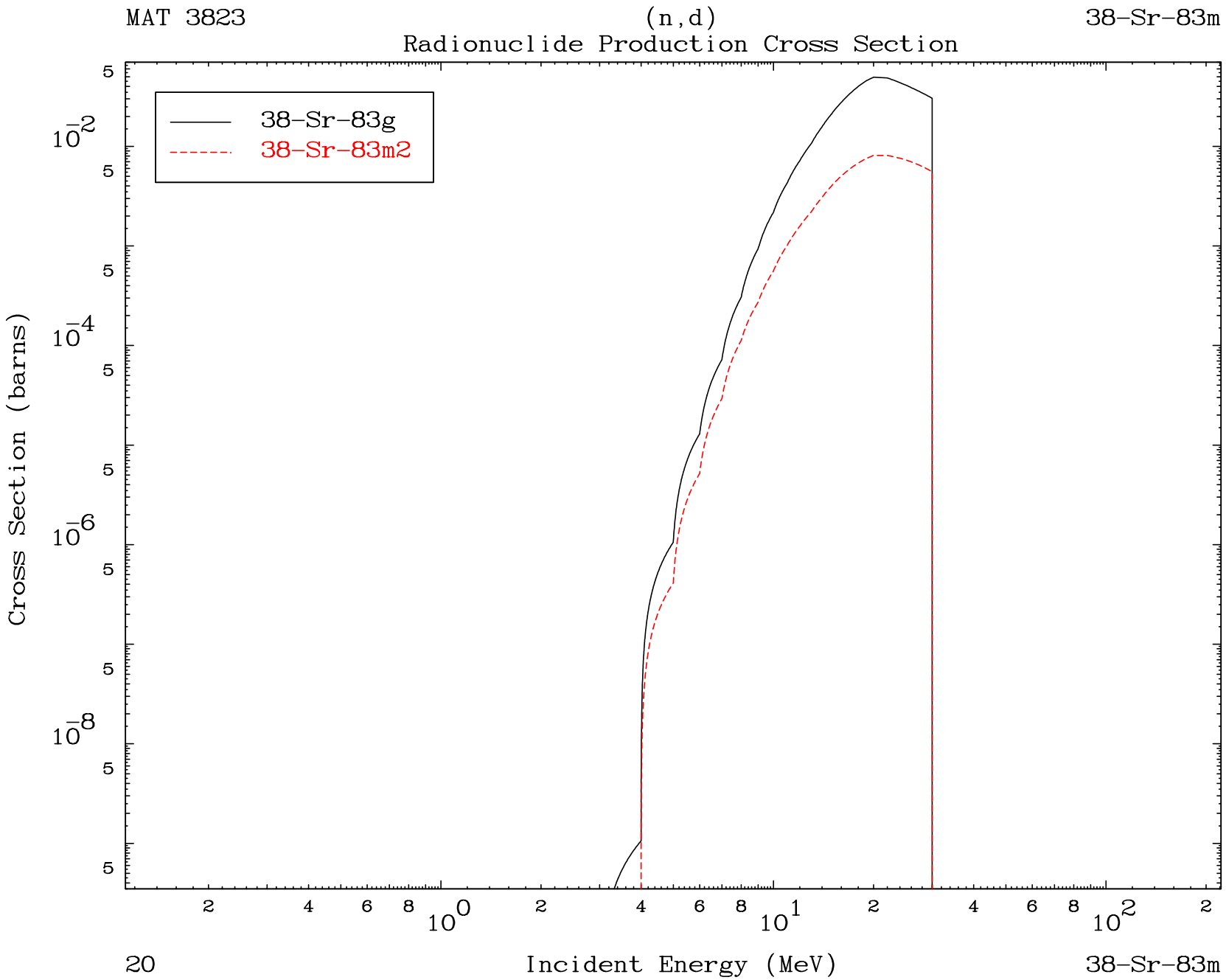

MAT 3823
(n,n') 2α
38-Sr-83m
Radionuclide Production Cross Section
35-Br-76g
35-Br-76m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
15
38-Sr-83m

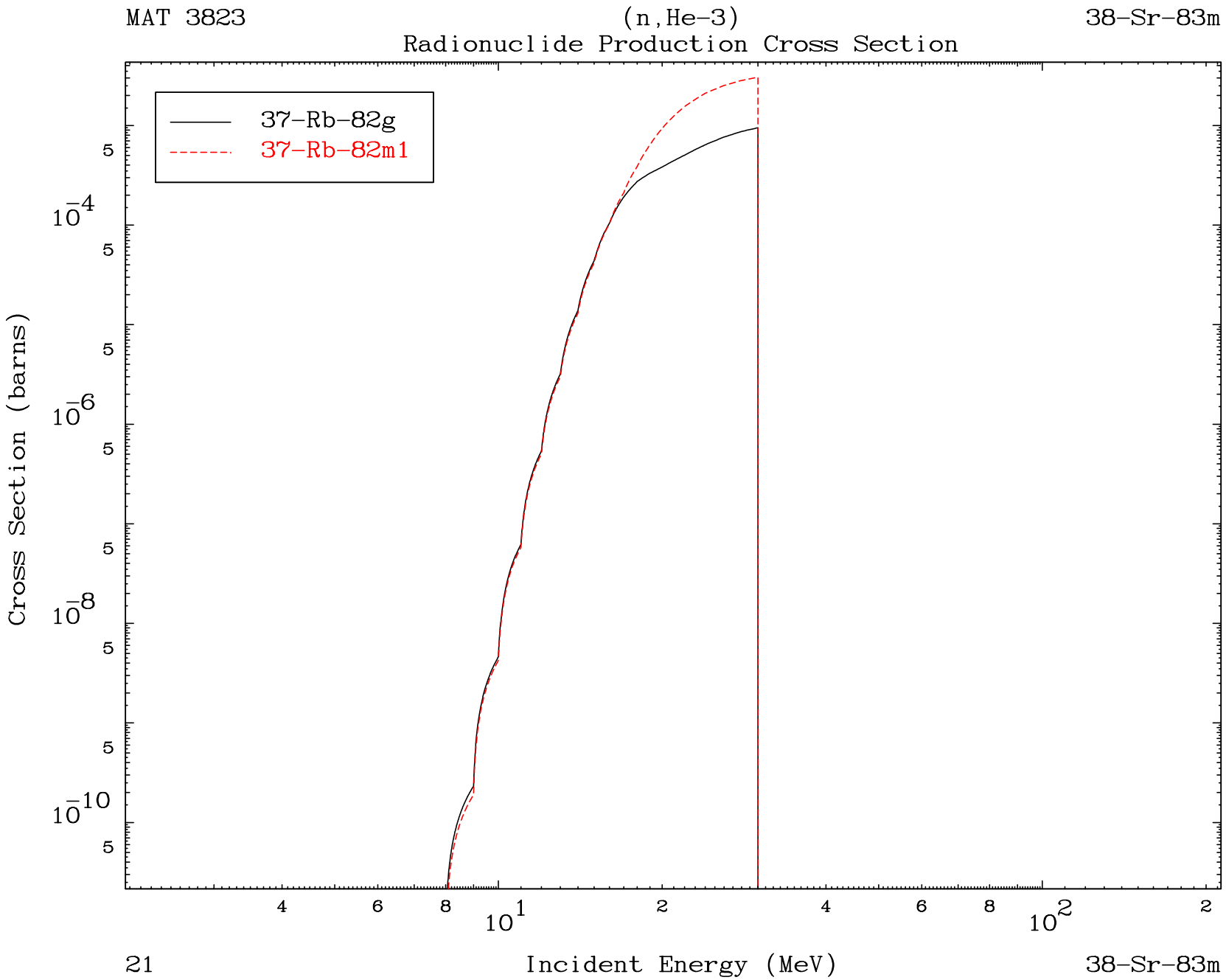

MAT 3823
(n,n') He-3
38-Sr-83m
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
Incident Energy (MeV)
16
38-Sr-83m

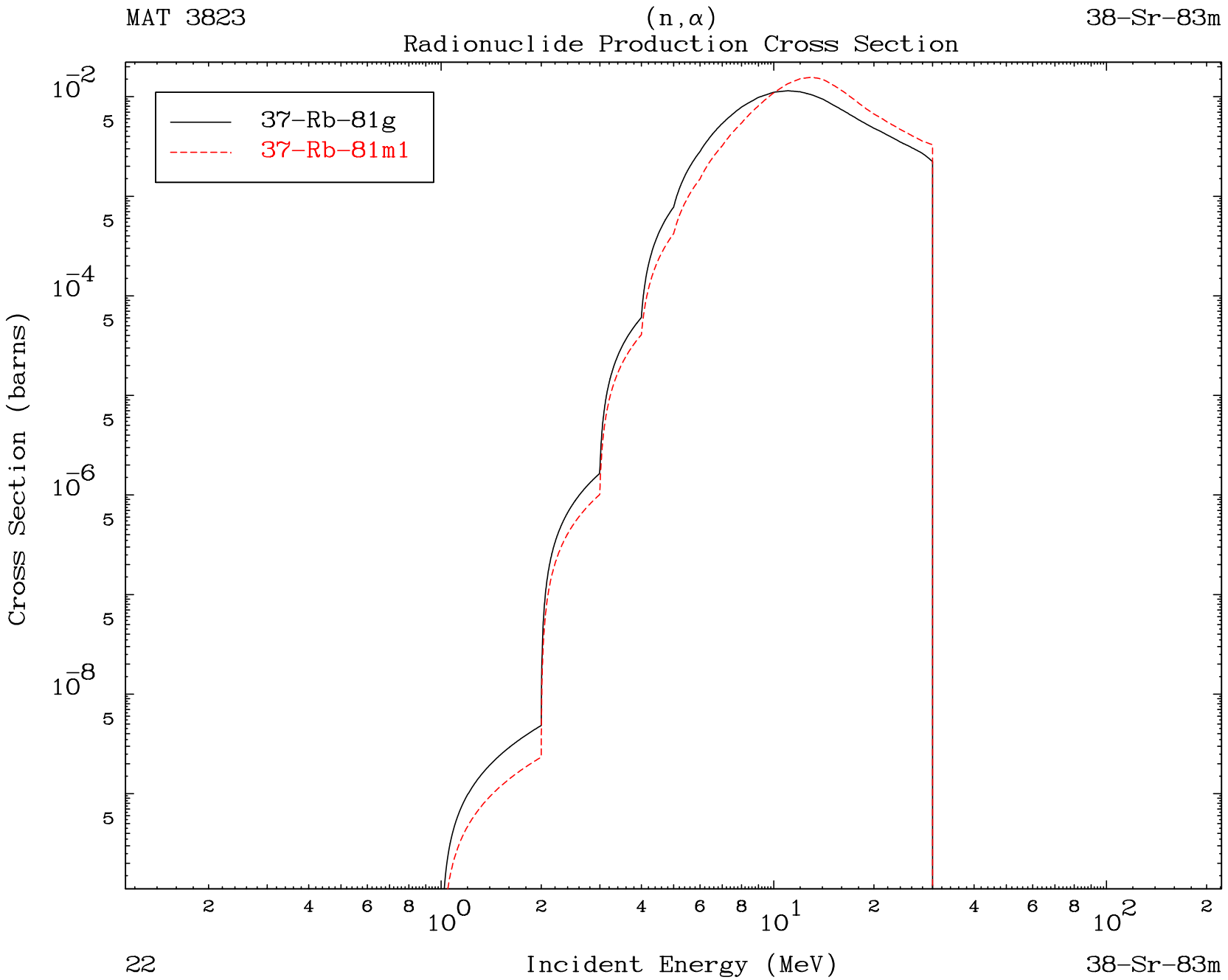

MAT 3823
(n,2n) p
38-Sr-83m
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
Incident Energy (MeV)
17
38-Sr-83m

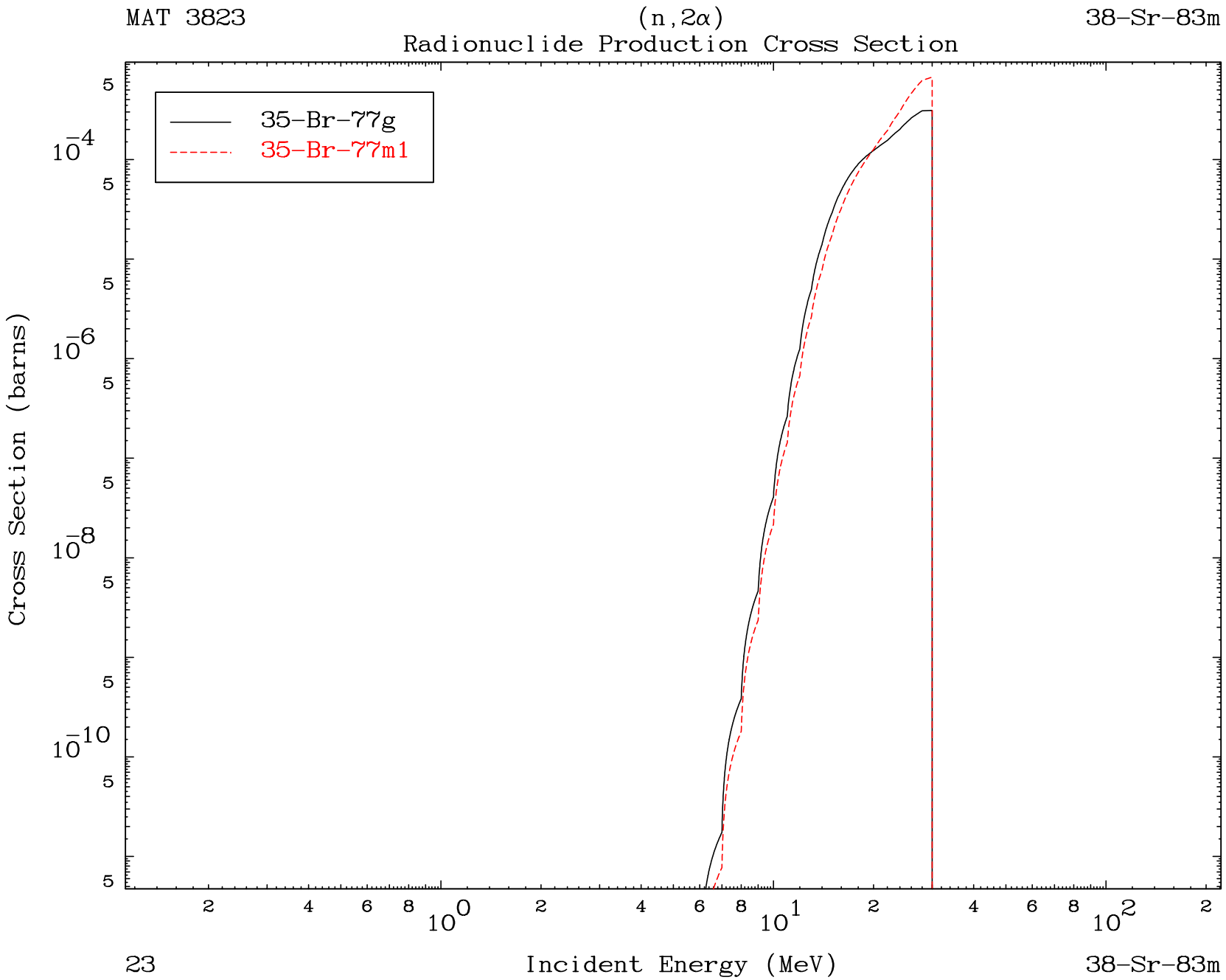

MAT 3823
(n,n') p α
38-Sr-83m
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
38-Sr-83m

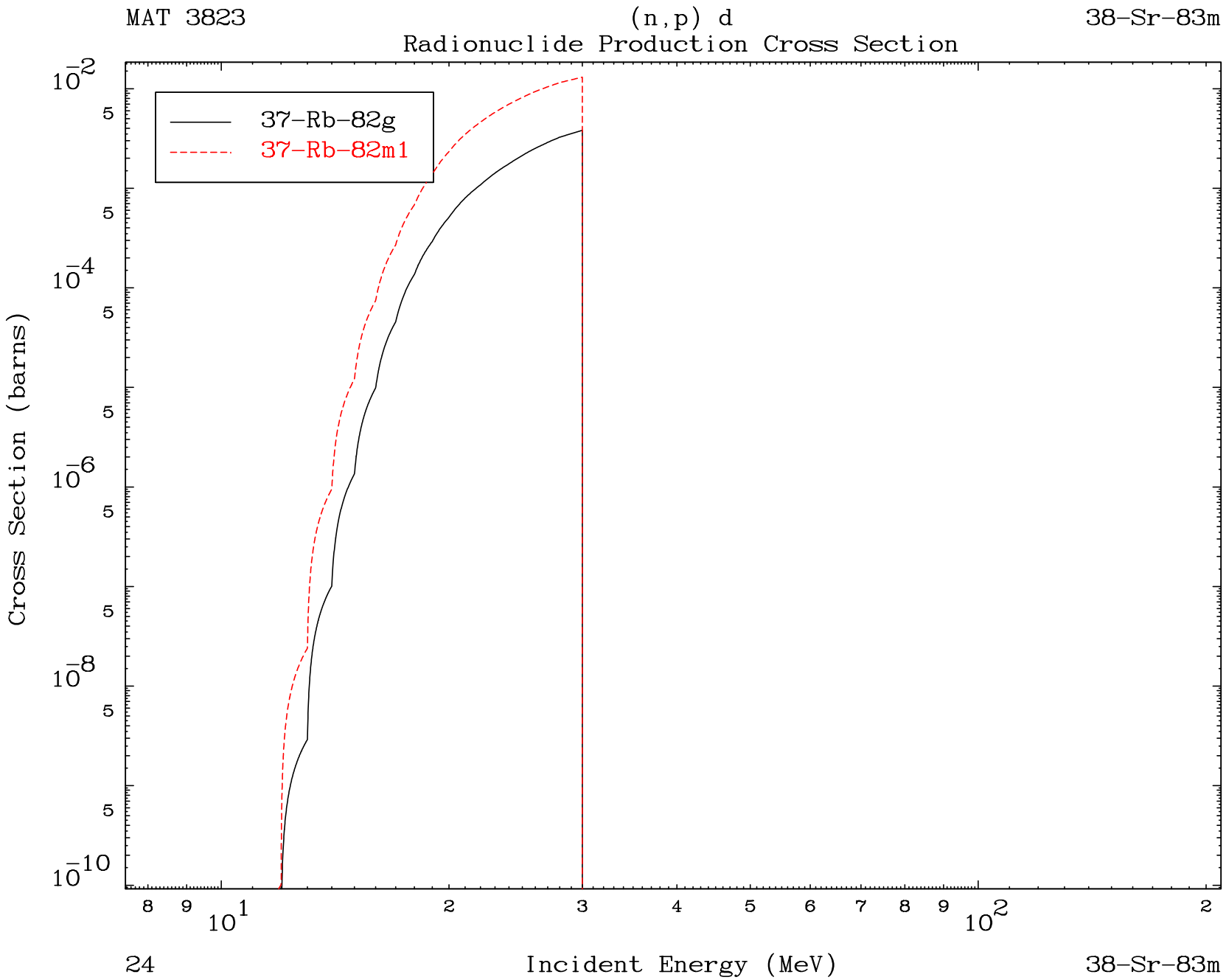

MAT 3823
(n,γ)
38-Sr-83m
Radionuclide Production Cross Section
39-Y -85g
39-Y -85m1
Cross Section (barns)
Incident Energy (MeV)
19
38-Sr-83m


MAT 3823
(n,d)
38-Sr-83m
Radionuclide Production Cross Section
38-Sr-83g
38-Sr-83m2
Cross Section (barns)
Incident Energy (MeV)
20
38-Sr-83m


MAT 3823
(n,He-3)
38-Sr-83m
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
4
6
8
10 1
2
4
6
8
10 2
2
21
Incident Energy (MeV)
38-Sr-83m


MAT 3823
(n,α)
38-Sr-83m
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
Incident Energy (MeV)
22
38-Sr-83m


MAT 3823
(n,2α)
38-Sr-83m
Radionuclide Production Cross Section
35-Br-77g
35-Br-77m1
Cross Section (barns)
Incident Energy (MeV)
23
38-Sr-83m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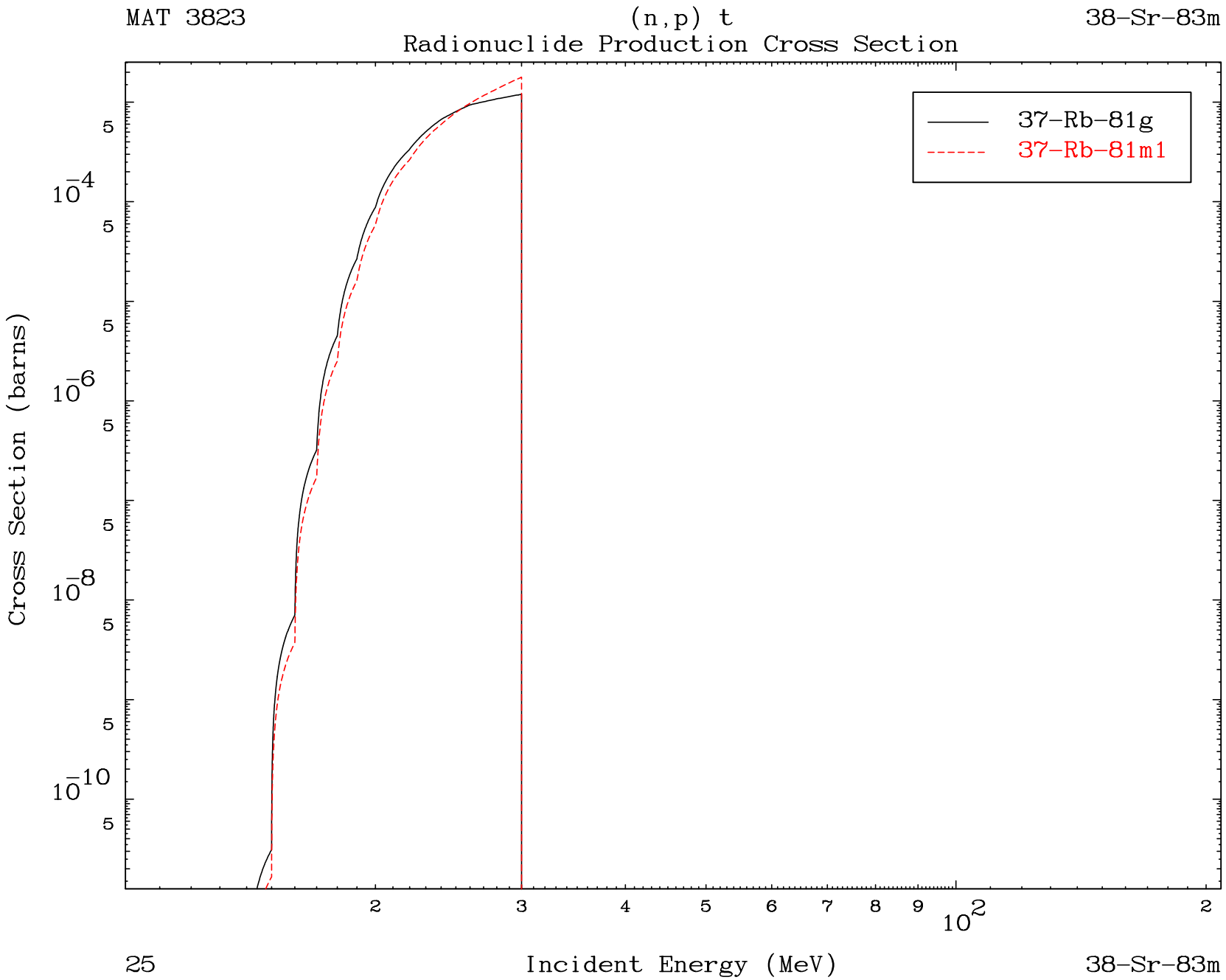
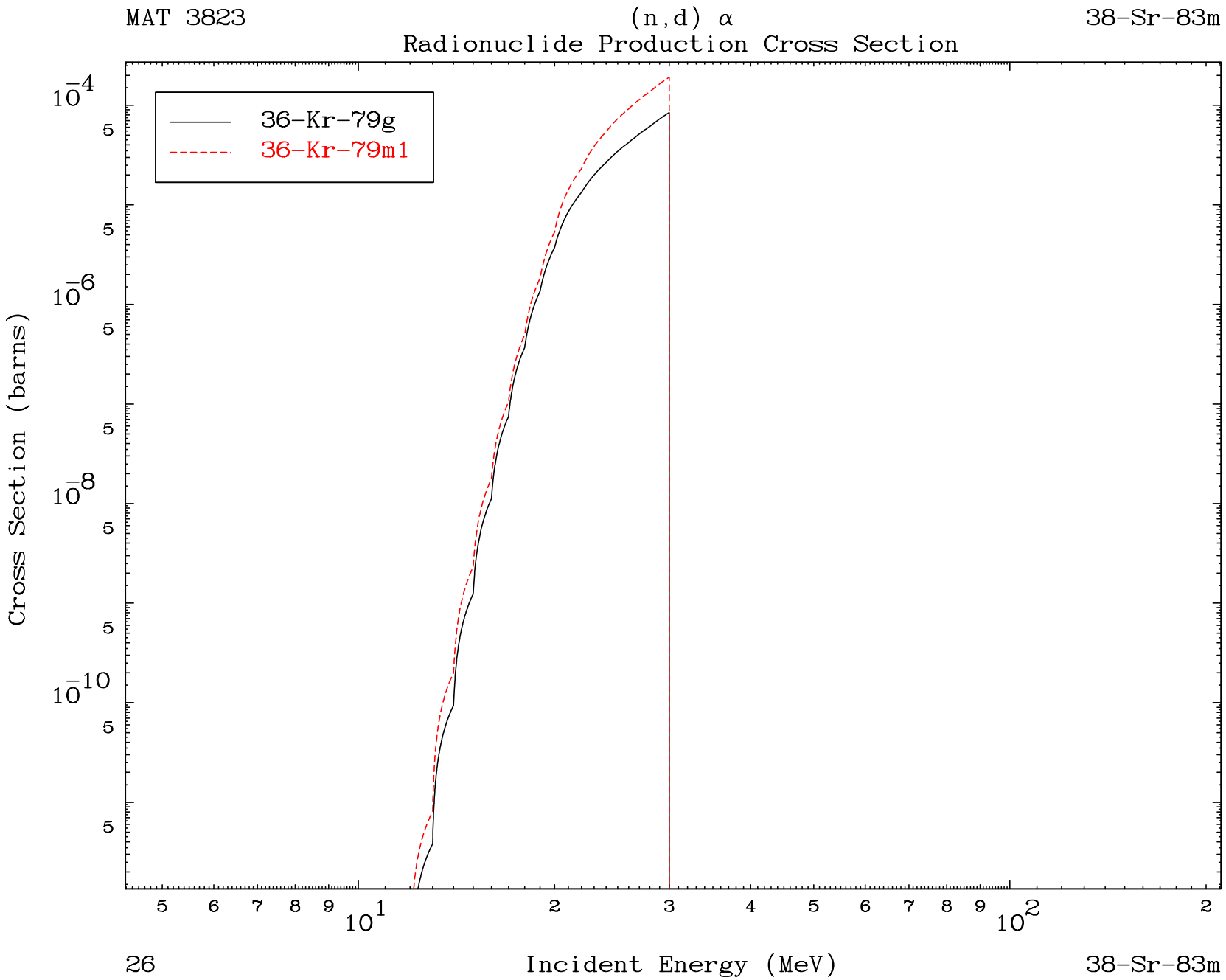
(n,p) d
38-Sr-83m
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
Incident Energy (MeV)
24
38-Sr-83m


MAT 3823
(n,p) t
38-Sr-83m
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
25
Incident Energy (MeV)
38-Sr-83m


MAT 3823
(n,d) α
38-Sr-83m
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
10^2
Incident Energy (MeV)
26
38-Sr-83m