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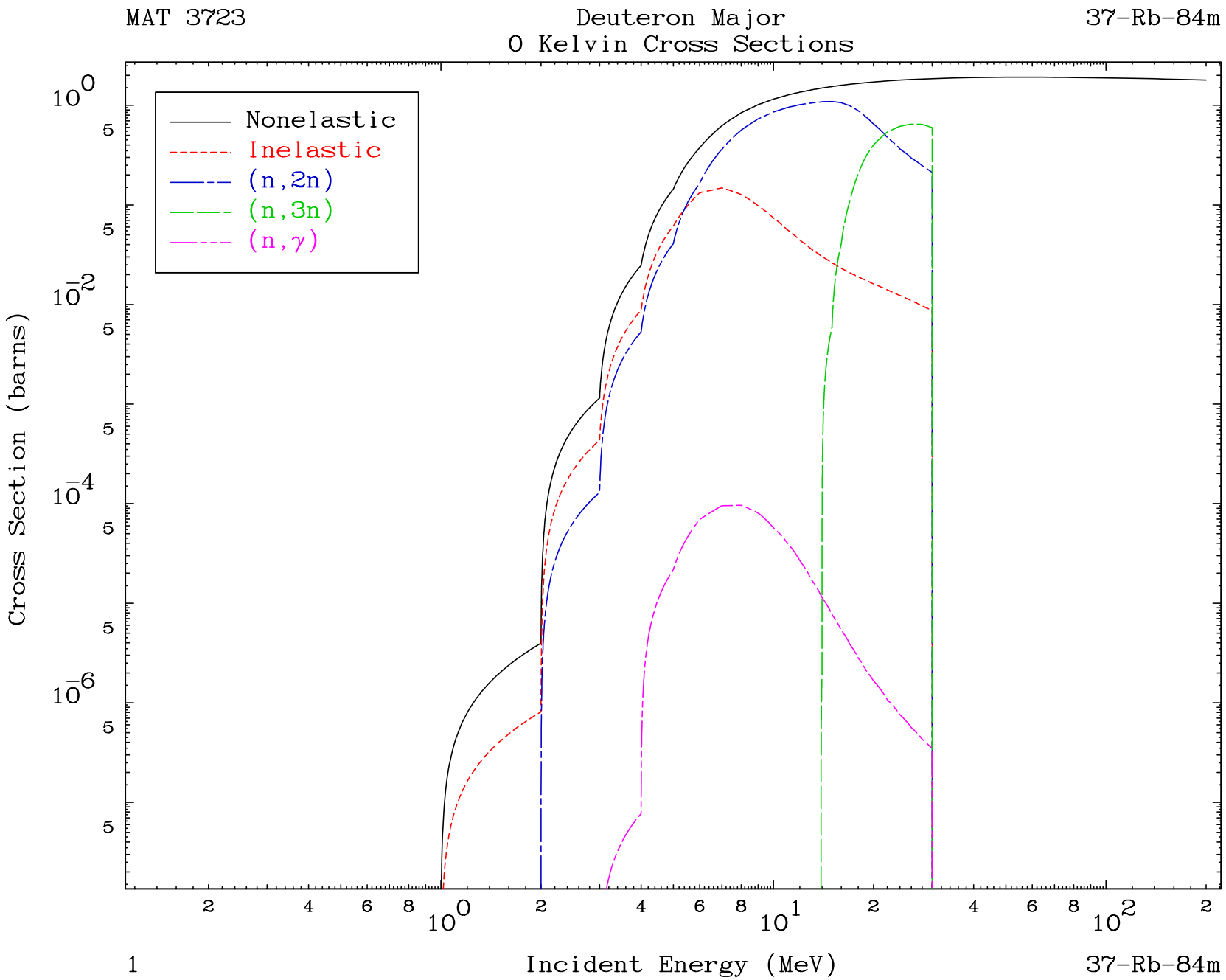
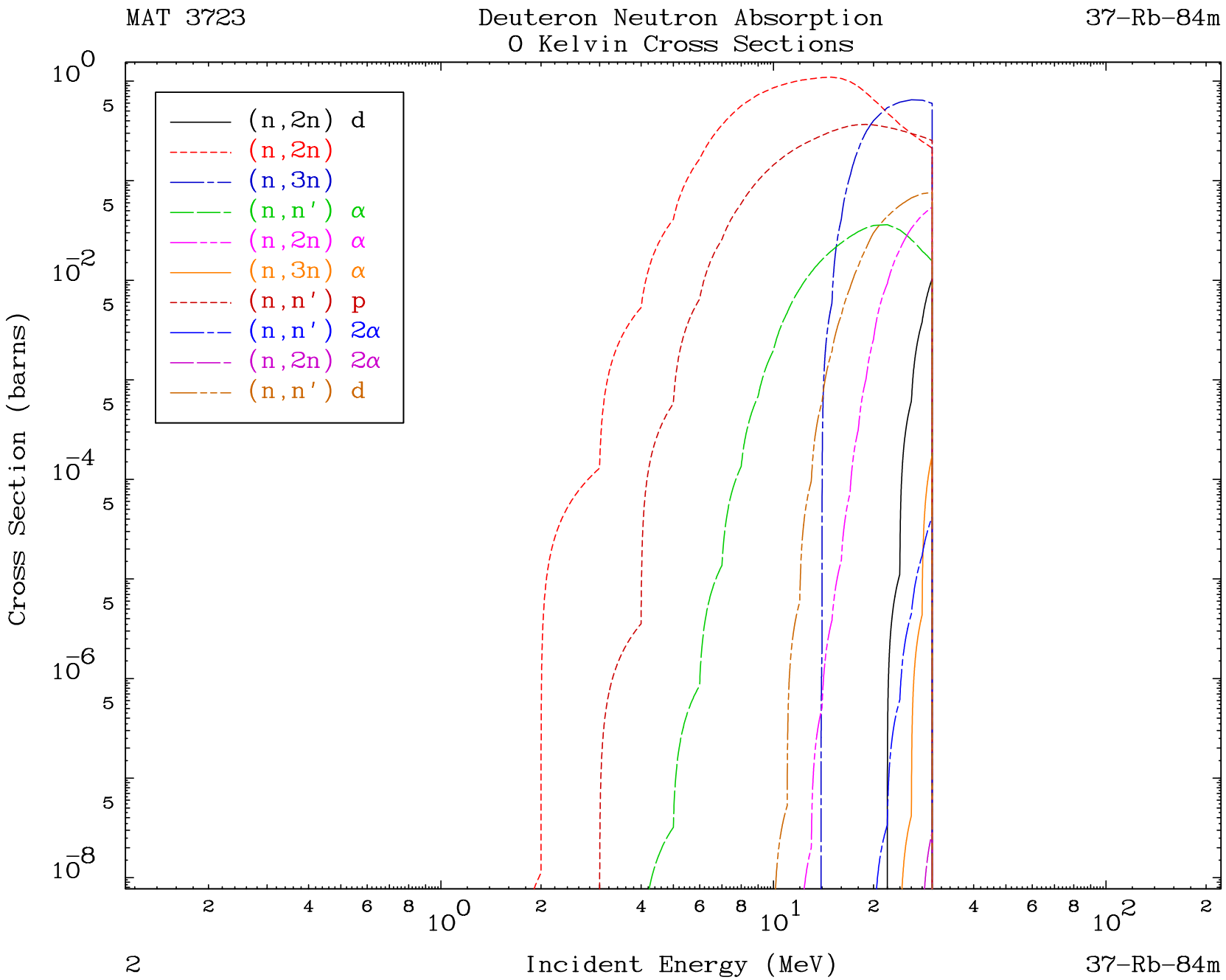
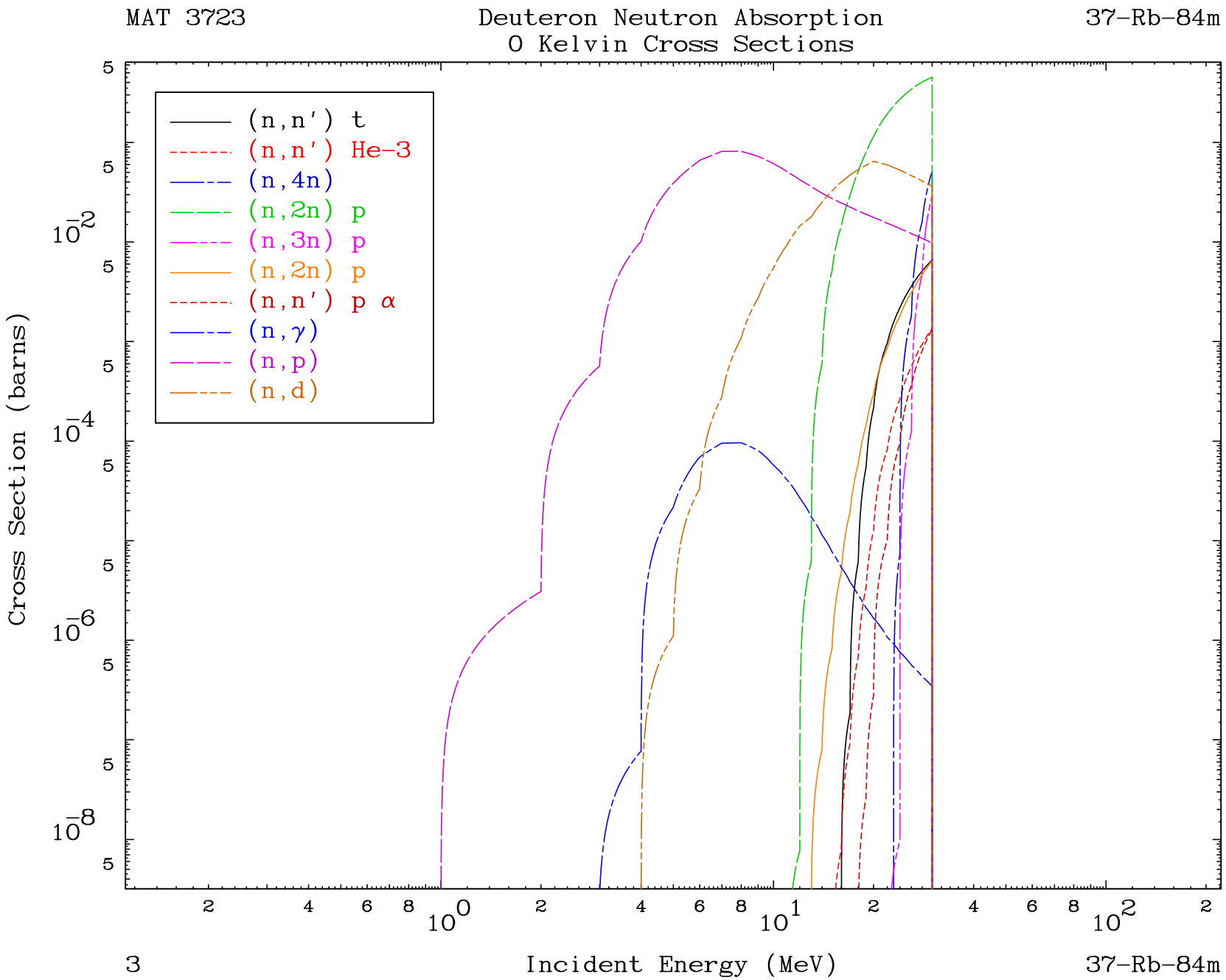
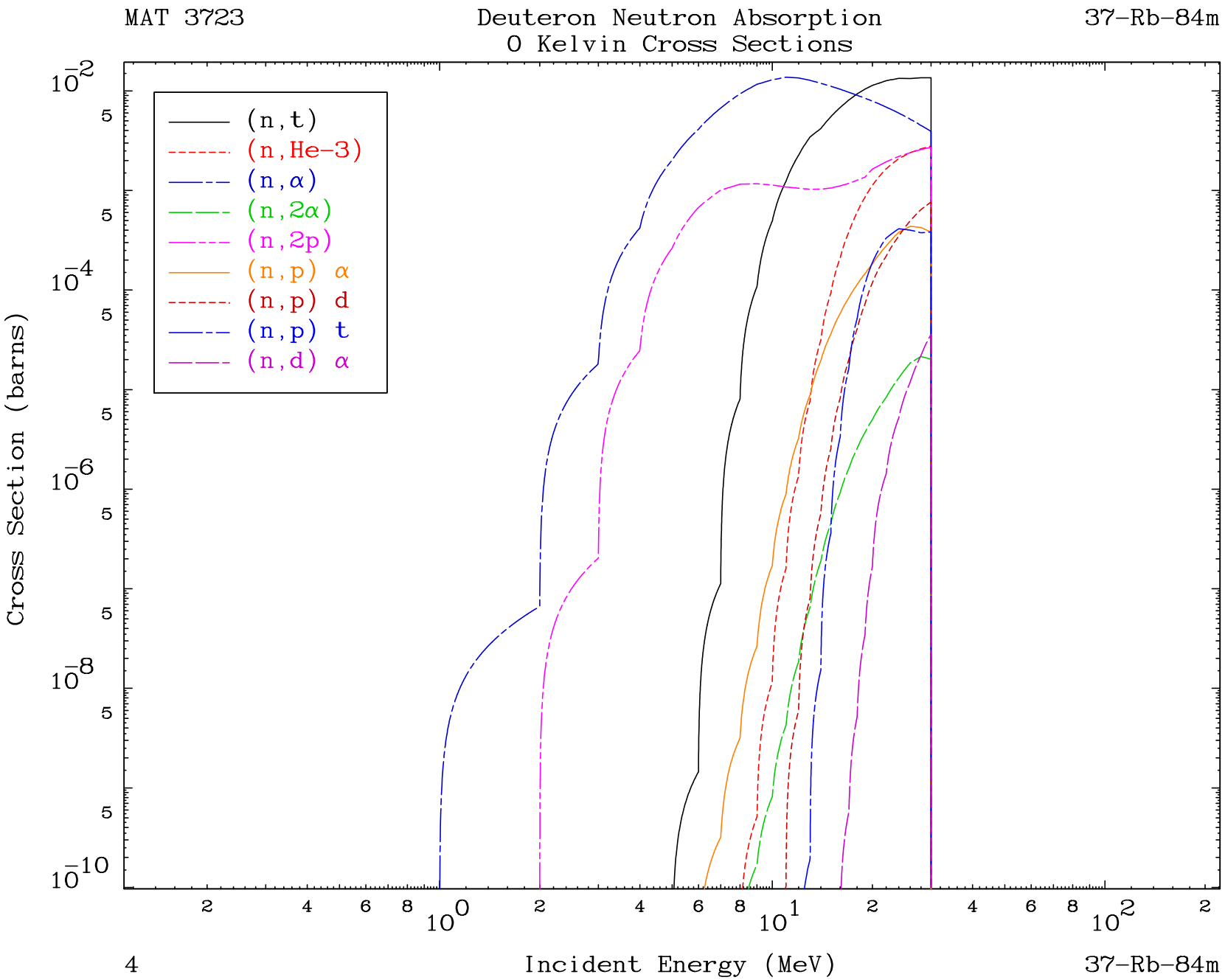
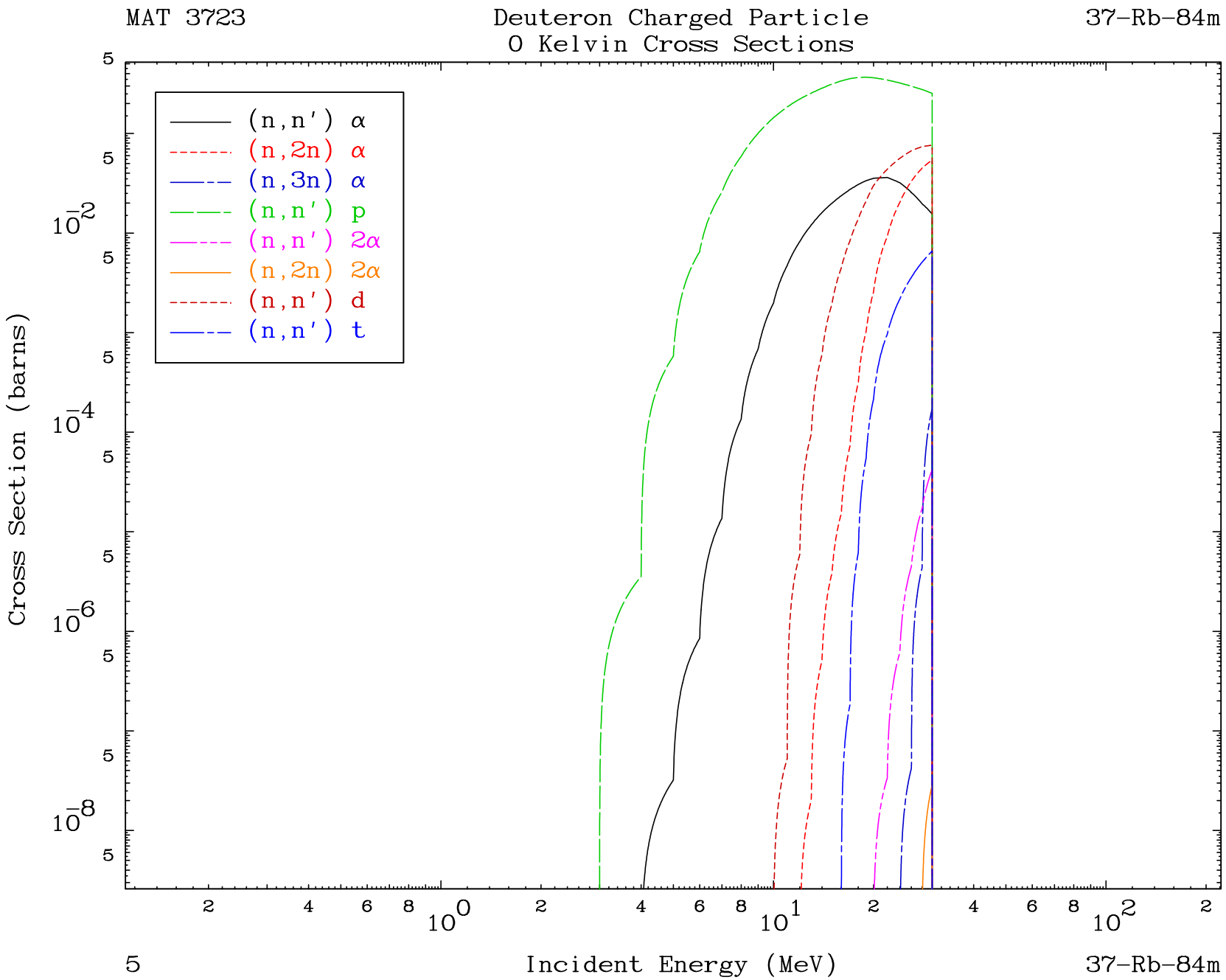
Press Mouse Button to Start

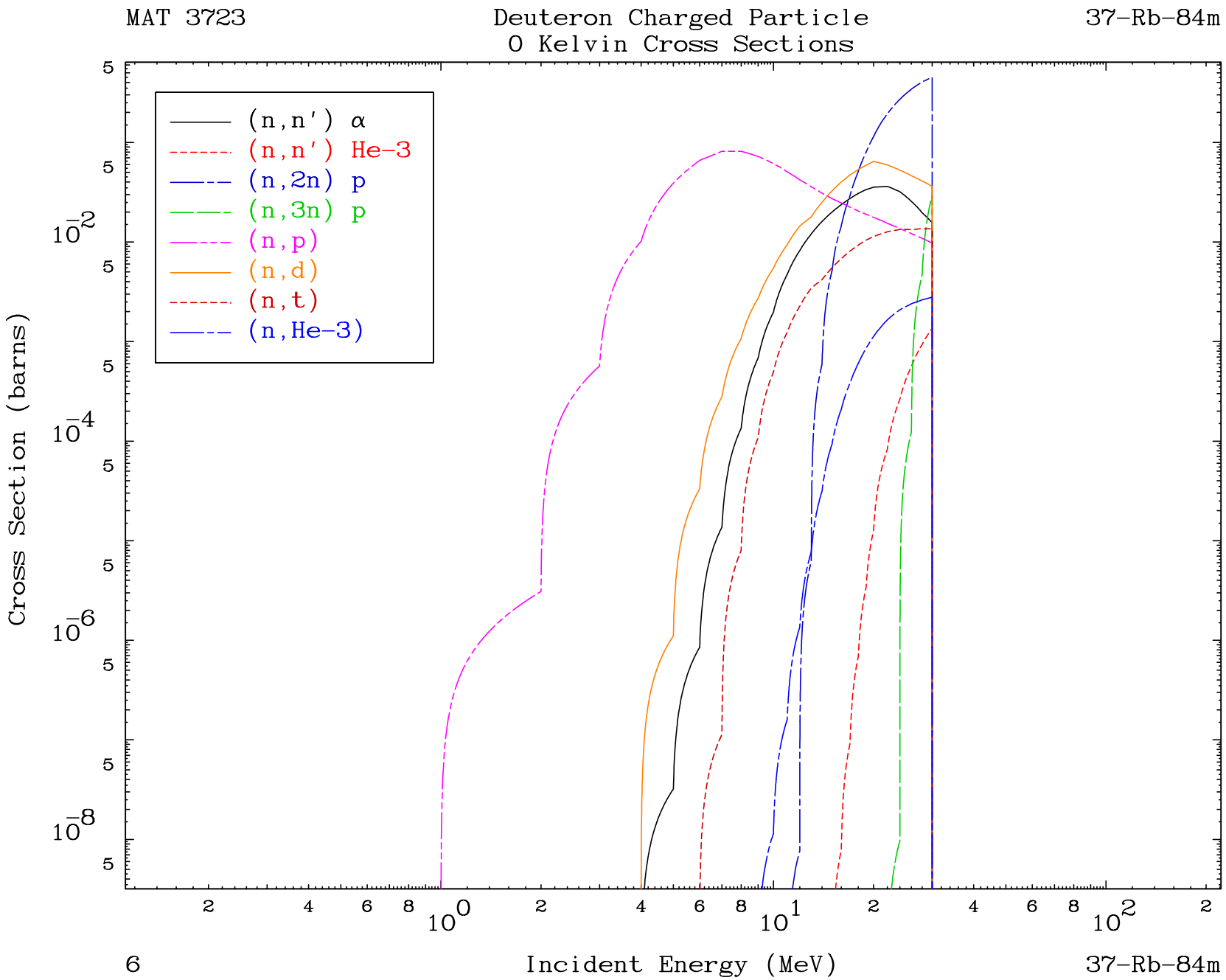

MAT 3723
Deuteron Major
37-Rb-84m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-84m
1

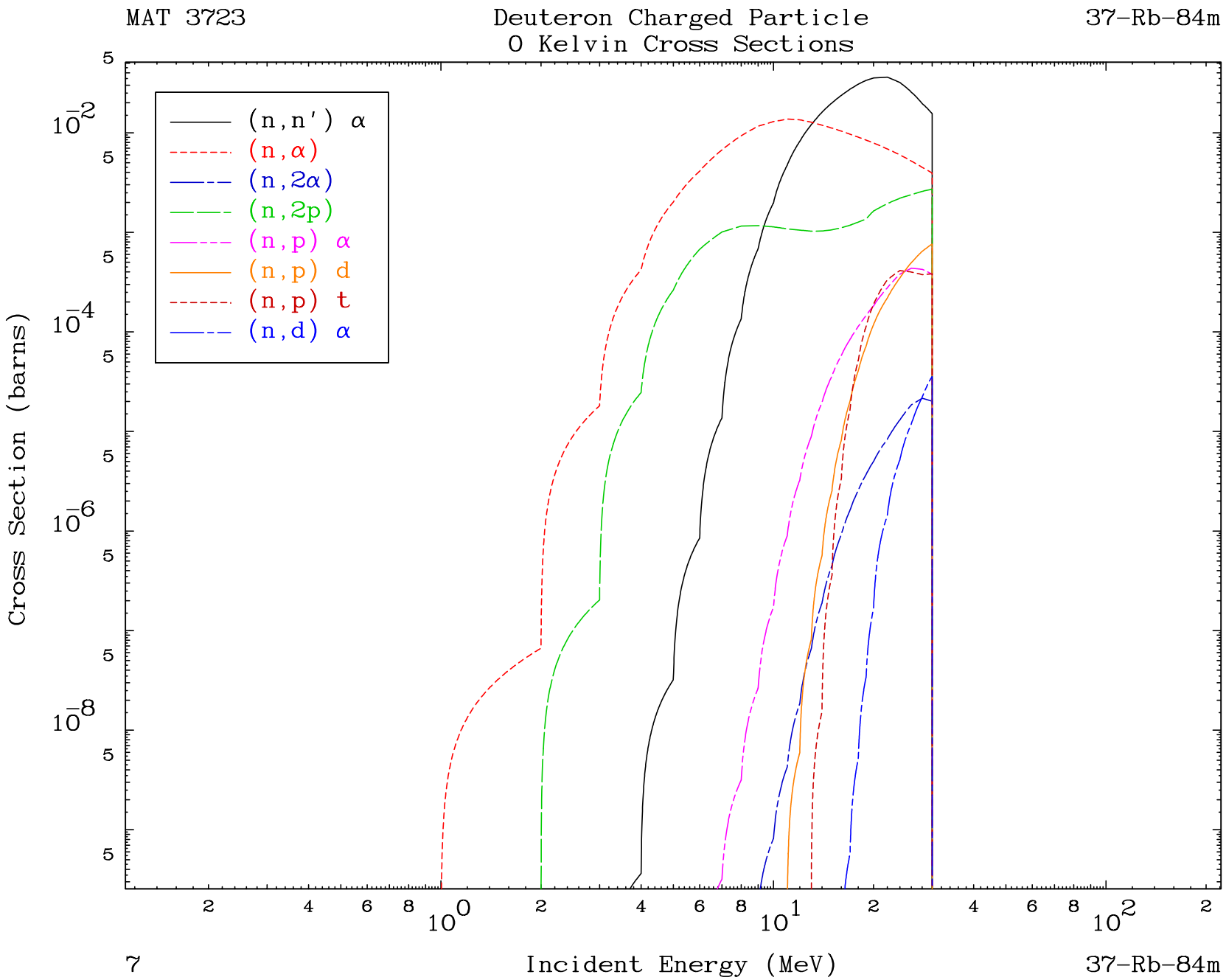

MAT 3723
Deuteron Neutron Absorption
0 Kelvin Cross Sections
37-Rb-84m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
37-Rb-84m

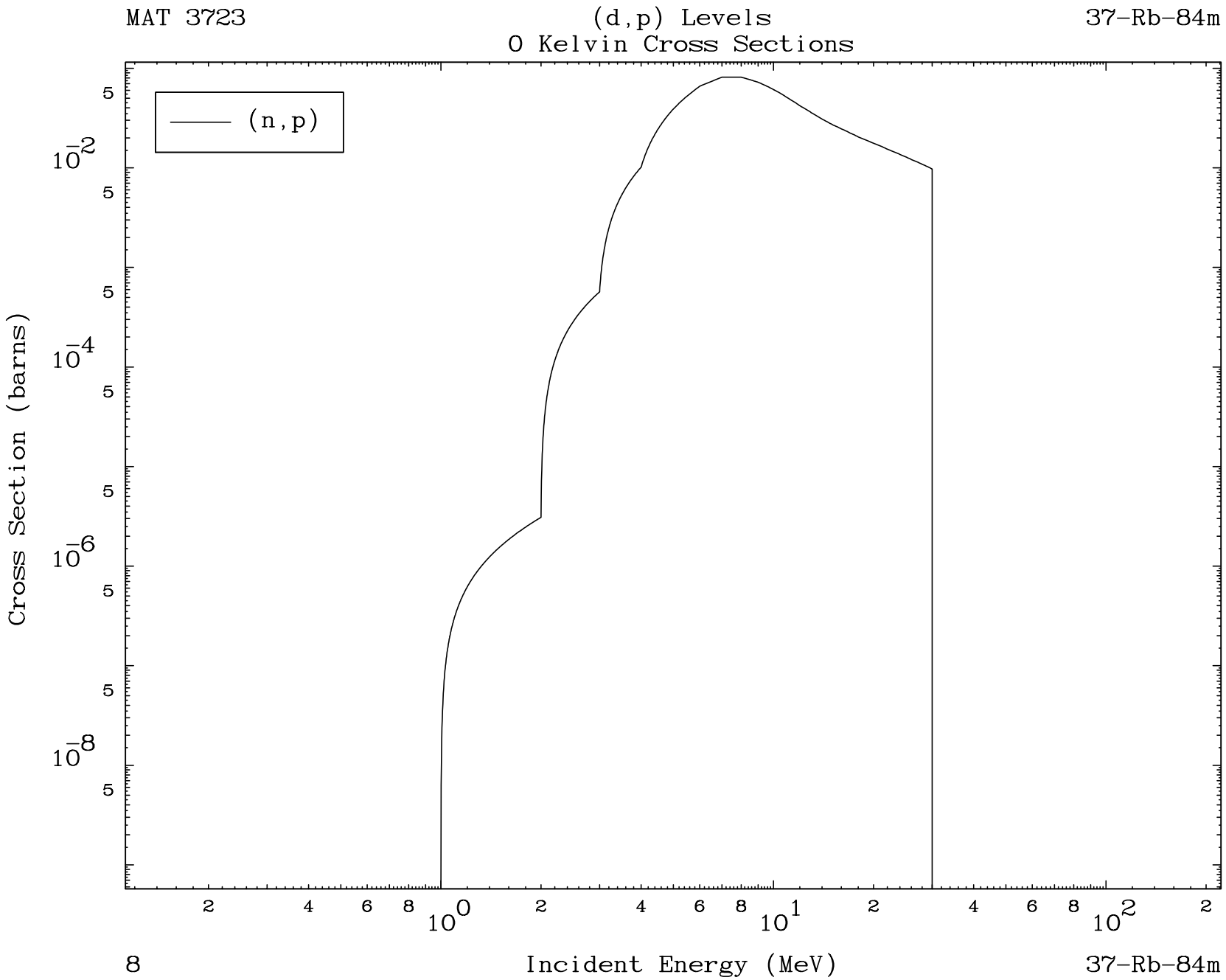

MAT 3723
Deuteron Neutron Absorption
0 Kelvin Cross Sections
37-Rb-84m
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
37-Rb-84m

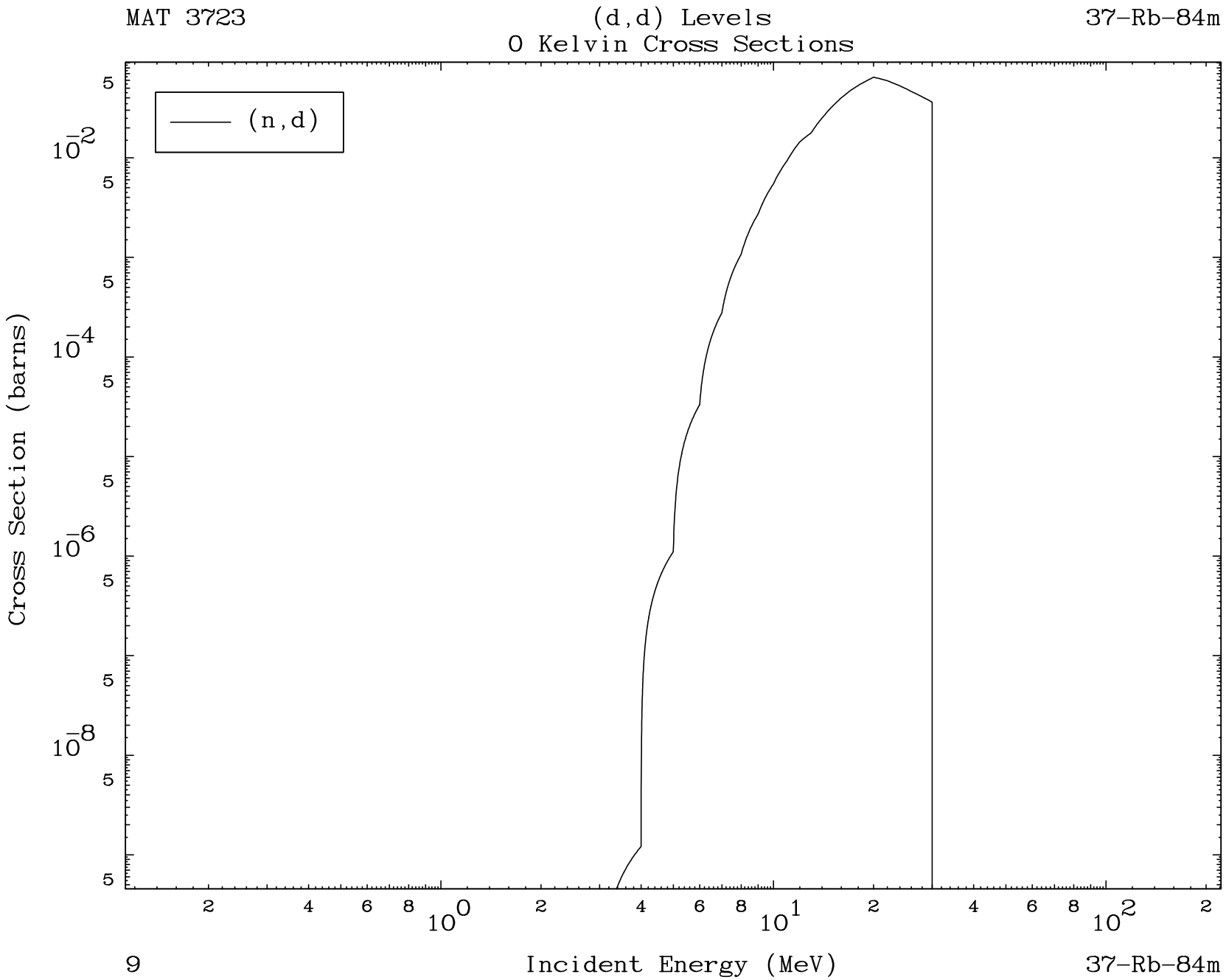

MAT 3723
Deuteron Neutron Absorption
0 Kelvin Cross Sections
37-Rb-84m
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
37-Rb-84m

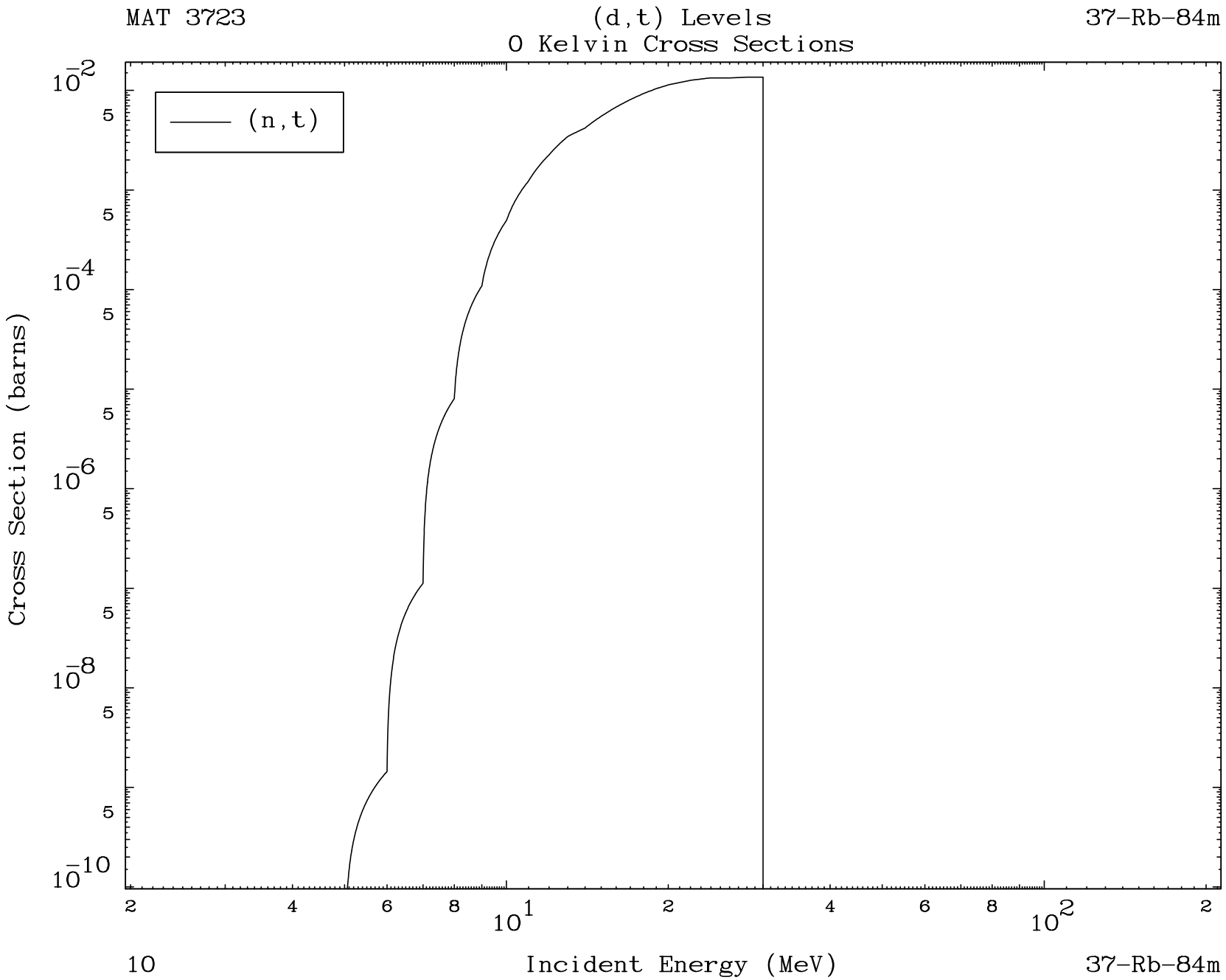

MAT 3723
Deuteron Charged Particle
0 Kelvin Cross Sections
37-Rb-84m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
37-Rb-84m

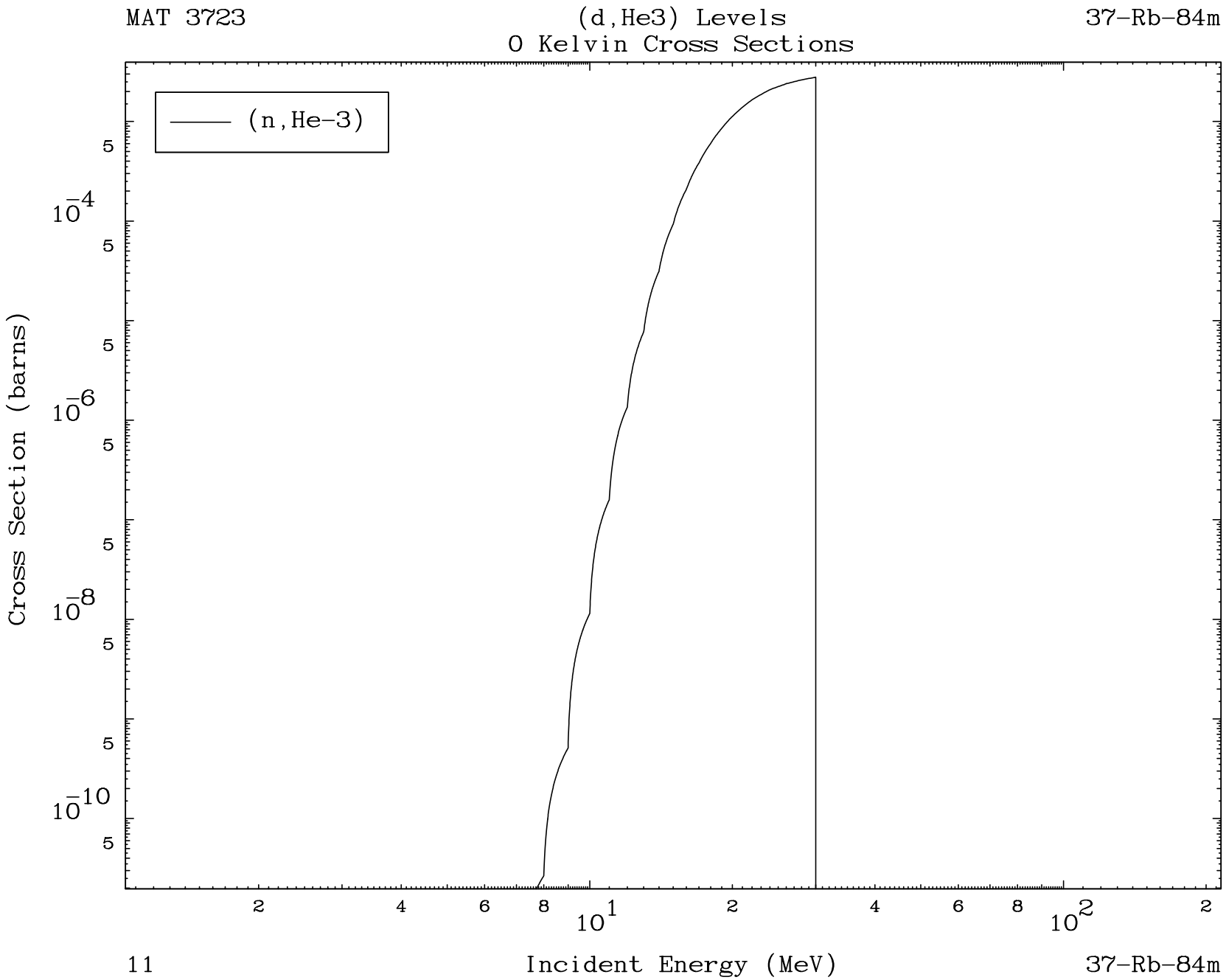

MAT 3723
Deuteron Charged Particle
0 Kelvin Cross Sections
37-Rb-84m
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
37-Rb-84m

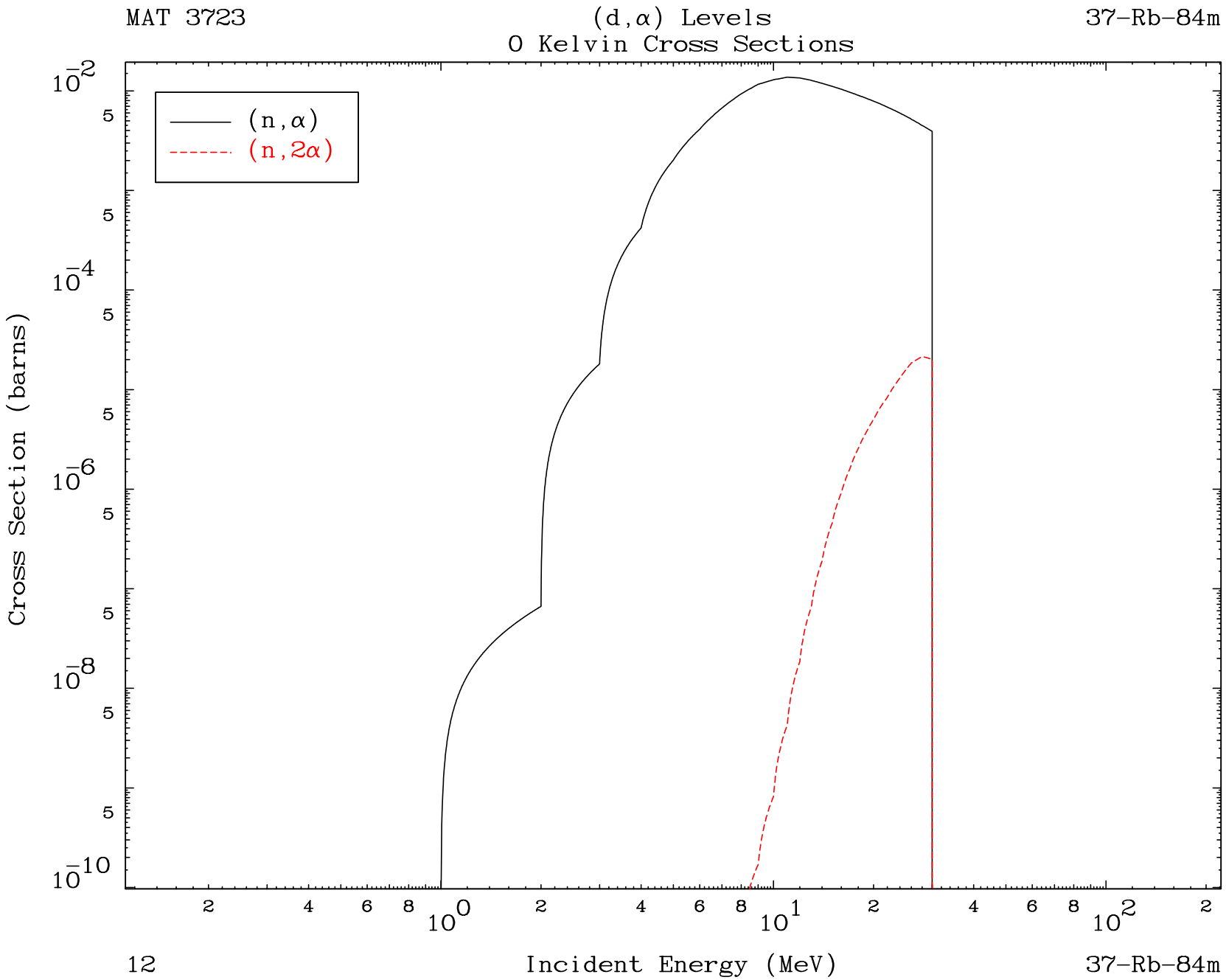

MAT 3723
Deuteron Charged Particle
0 Kelvin Cross Sections
37-Rb-84m
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
37-Rb-84m

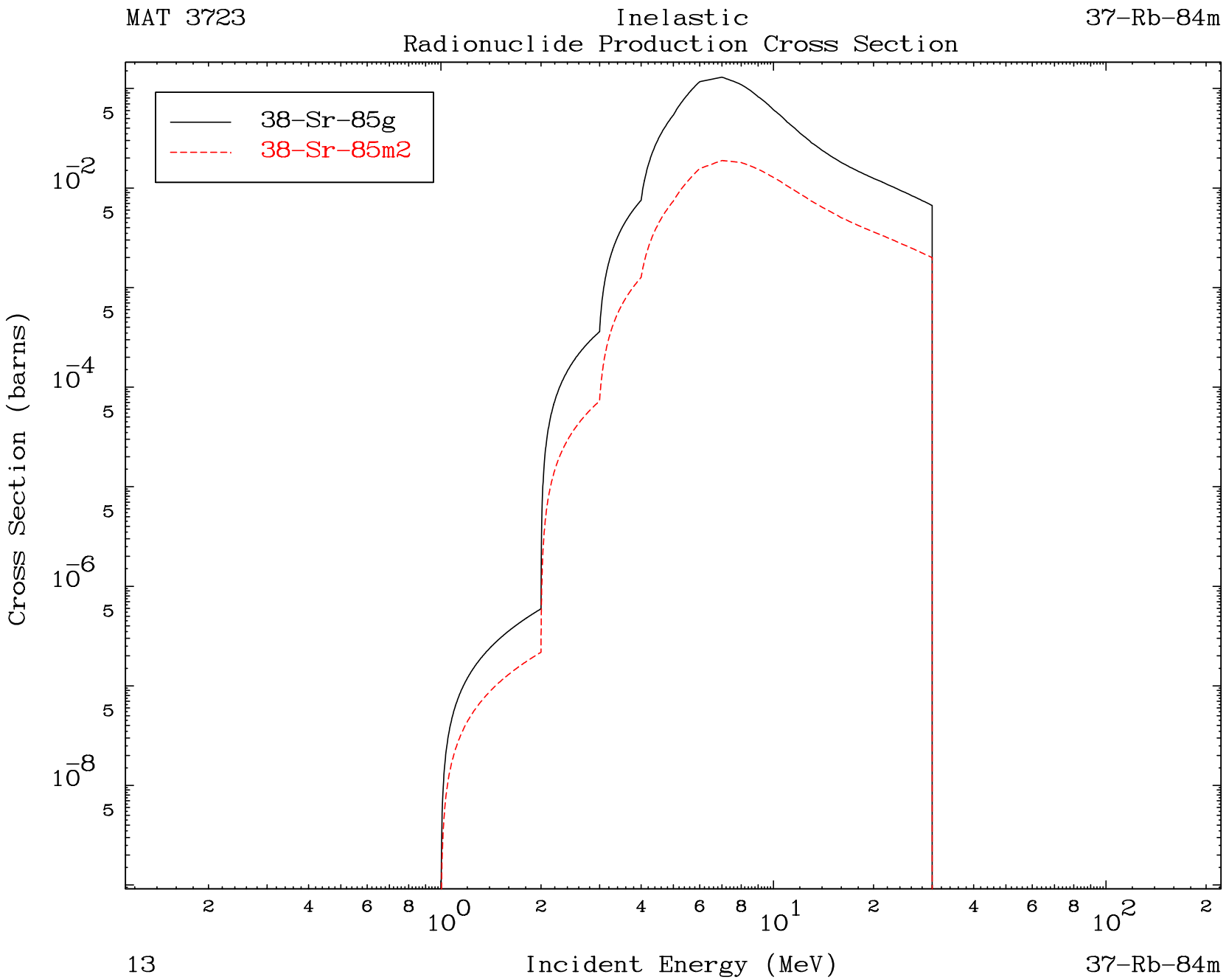

MAT 3723
(d,p) Levels
37-Rb-84m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
37-Rb-84m

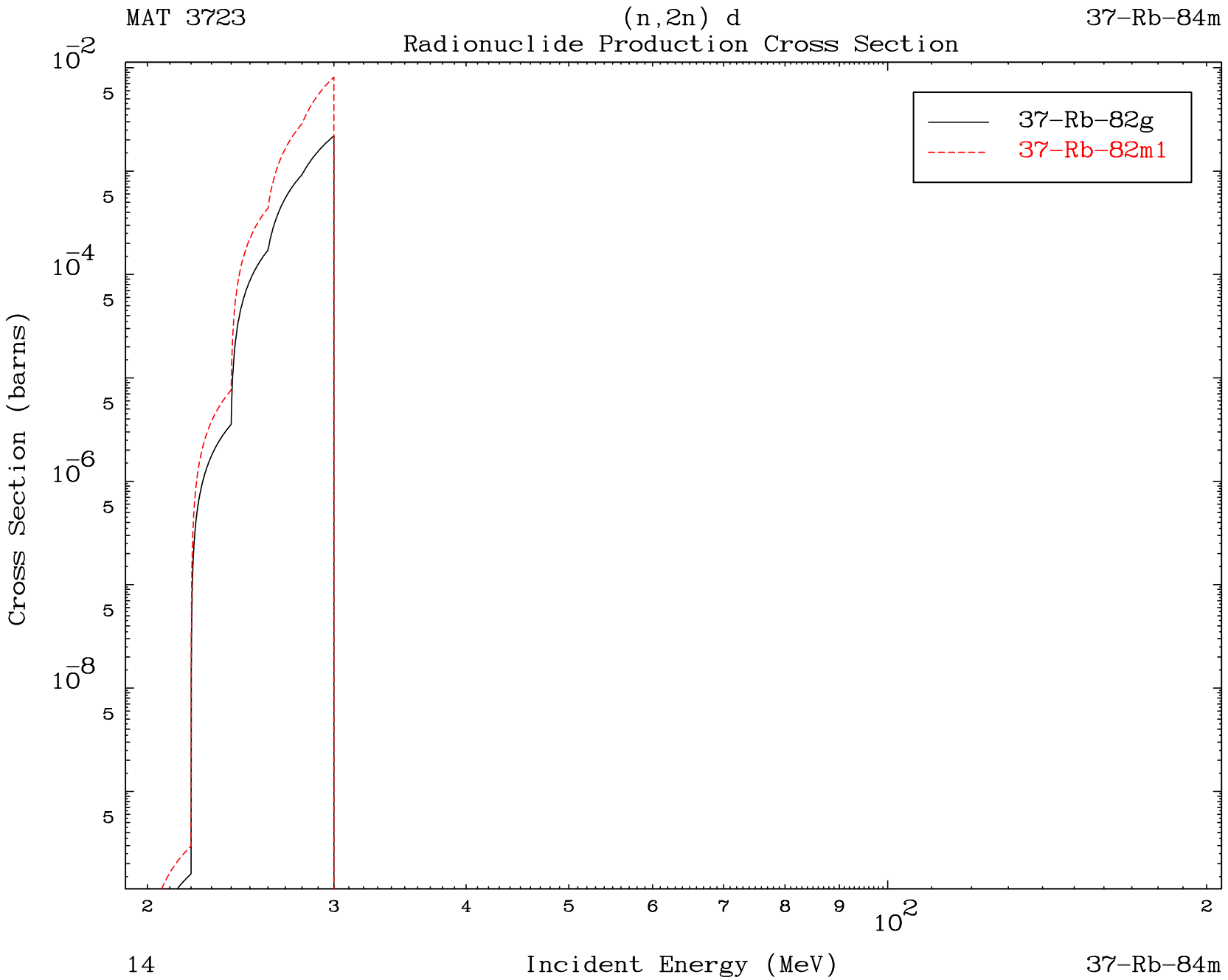

MAT 3723
(d,d) Levels
37-Rb-84m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
37-Rb-84m

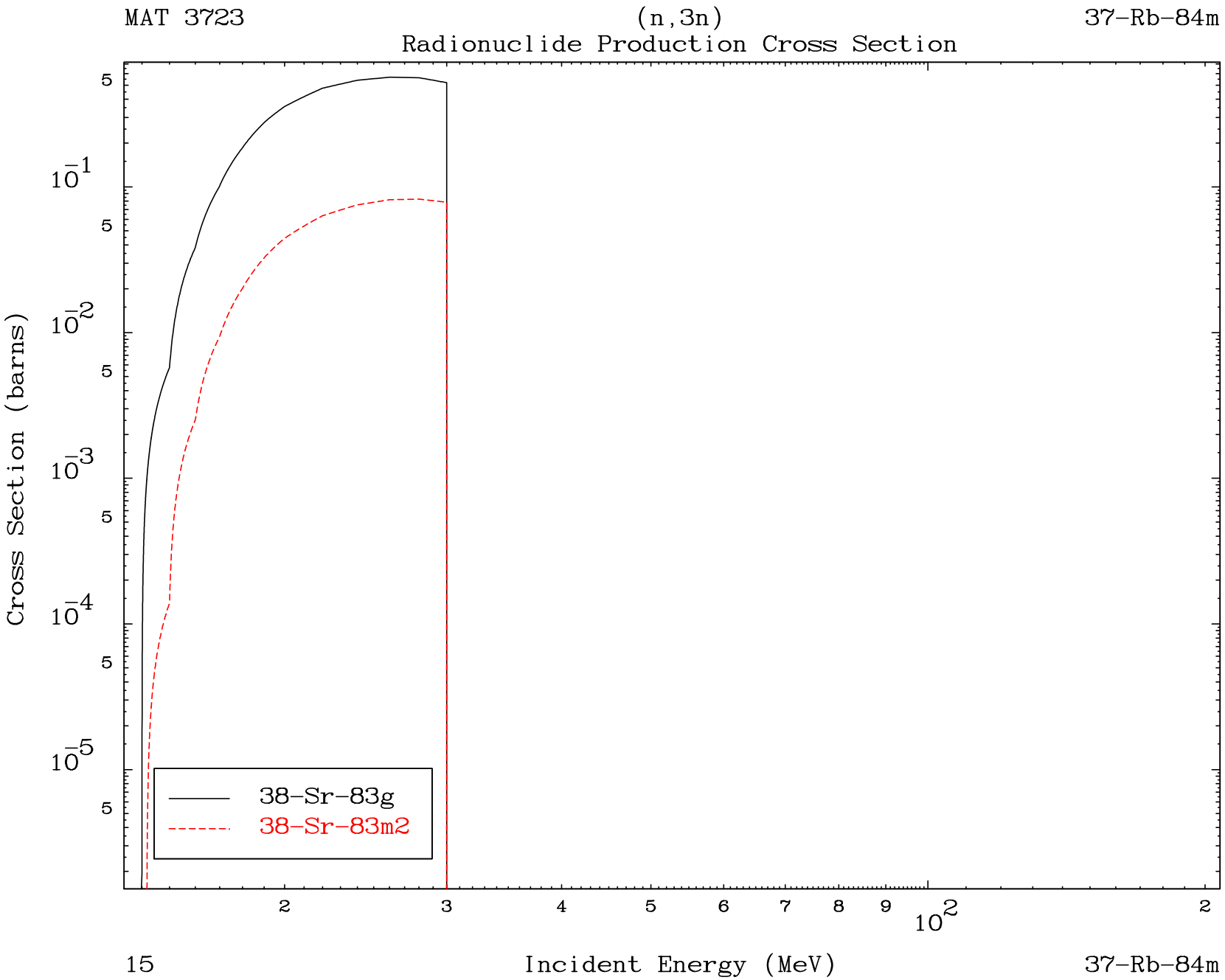

MAT 3723
(d,t) Levels
37-Rb-84m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-84m

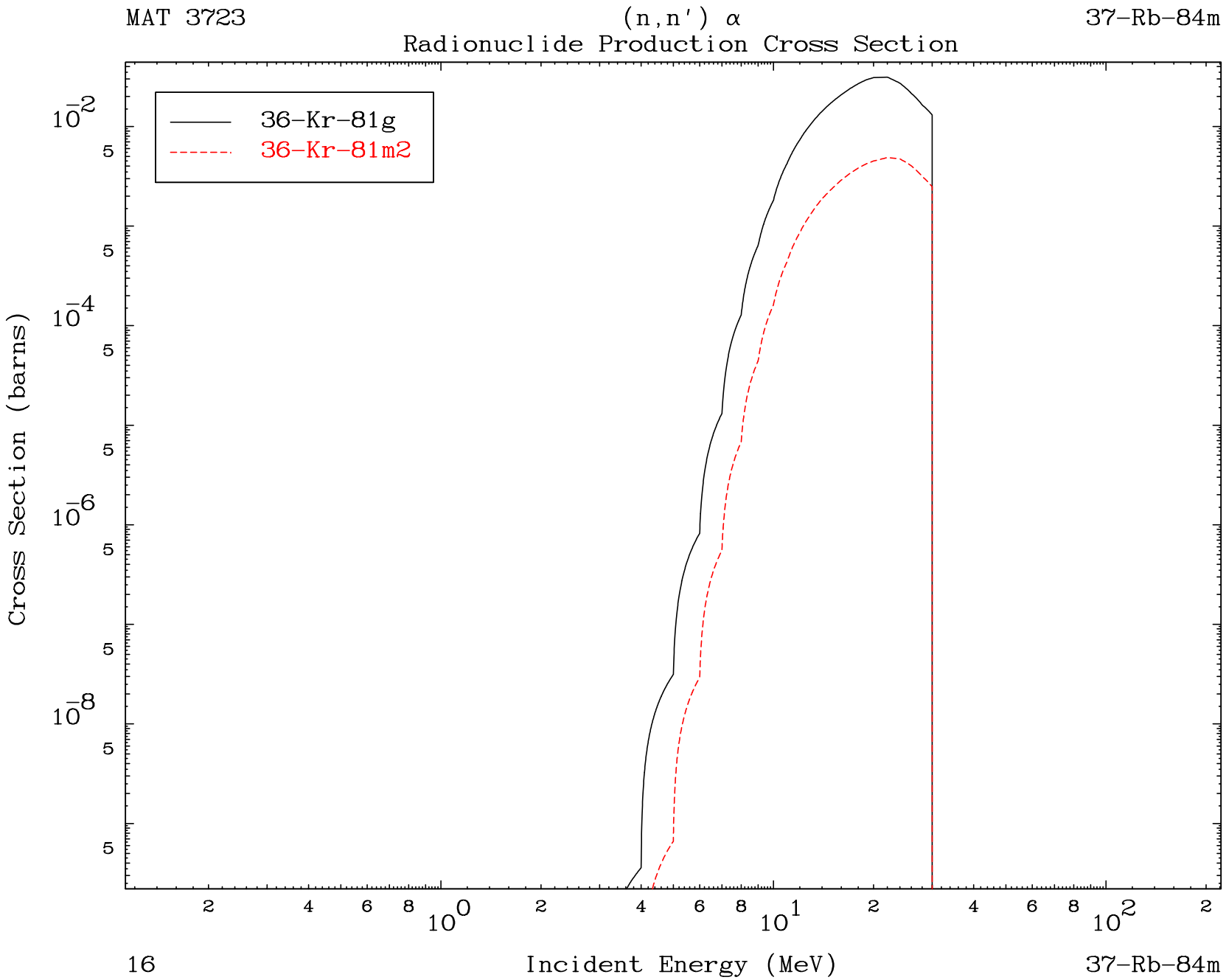

MAT 3723
(d,He3) Levels
37-Rb-84m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
10 1
2
4
6
8
10 2
2
11
Incident Energy (MeV)
37-Rb-84m

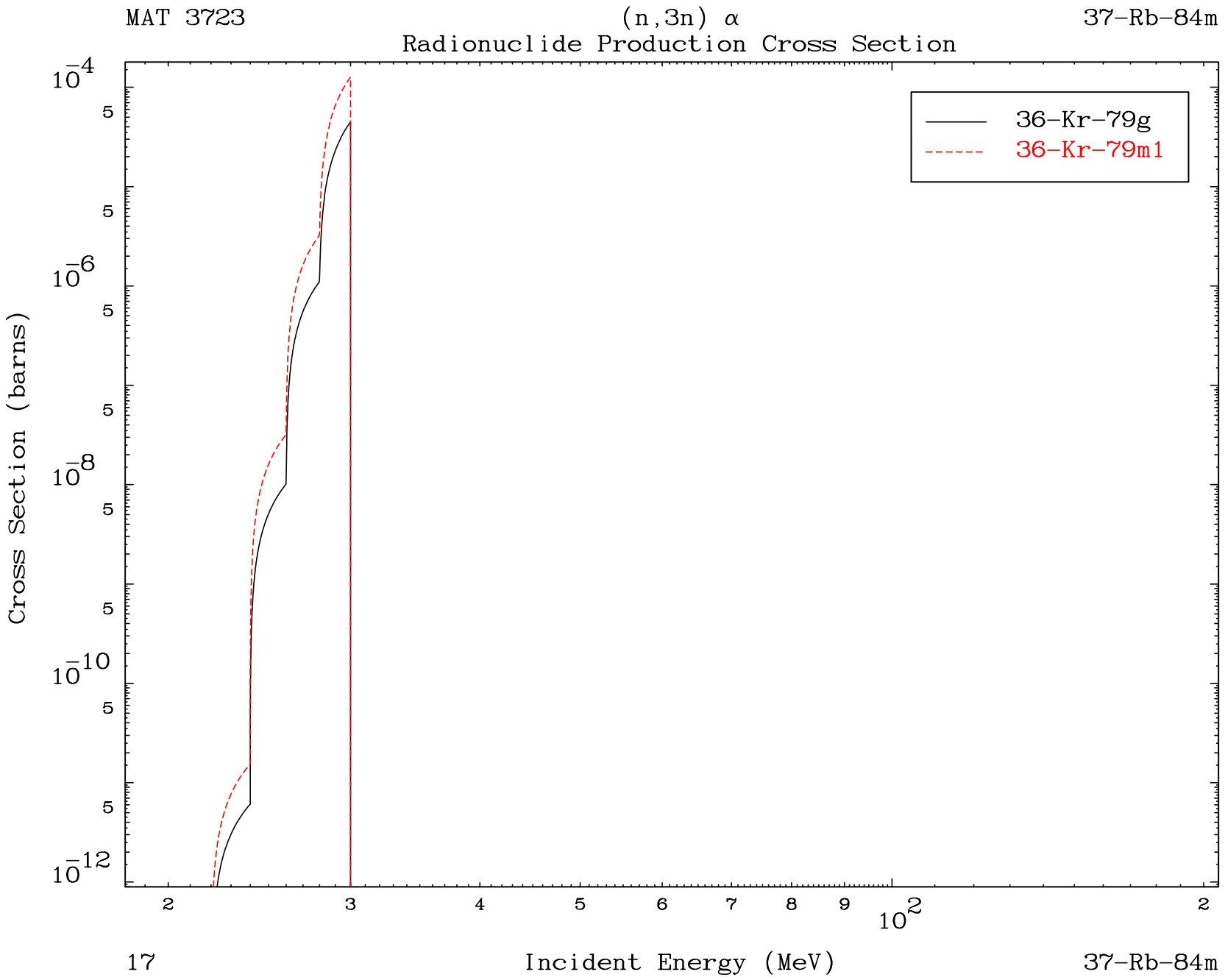

MAT 3723
(d,α) Levels
37-Rb-84m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
37-Rb-84m

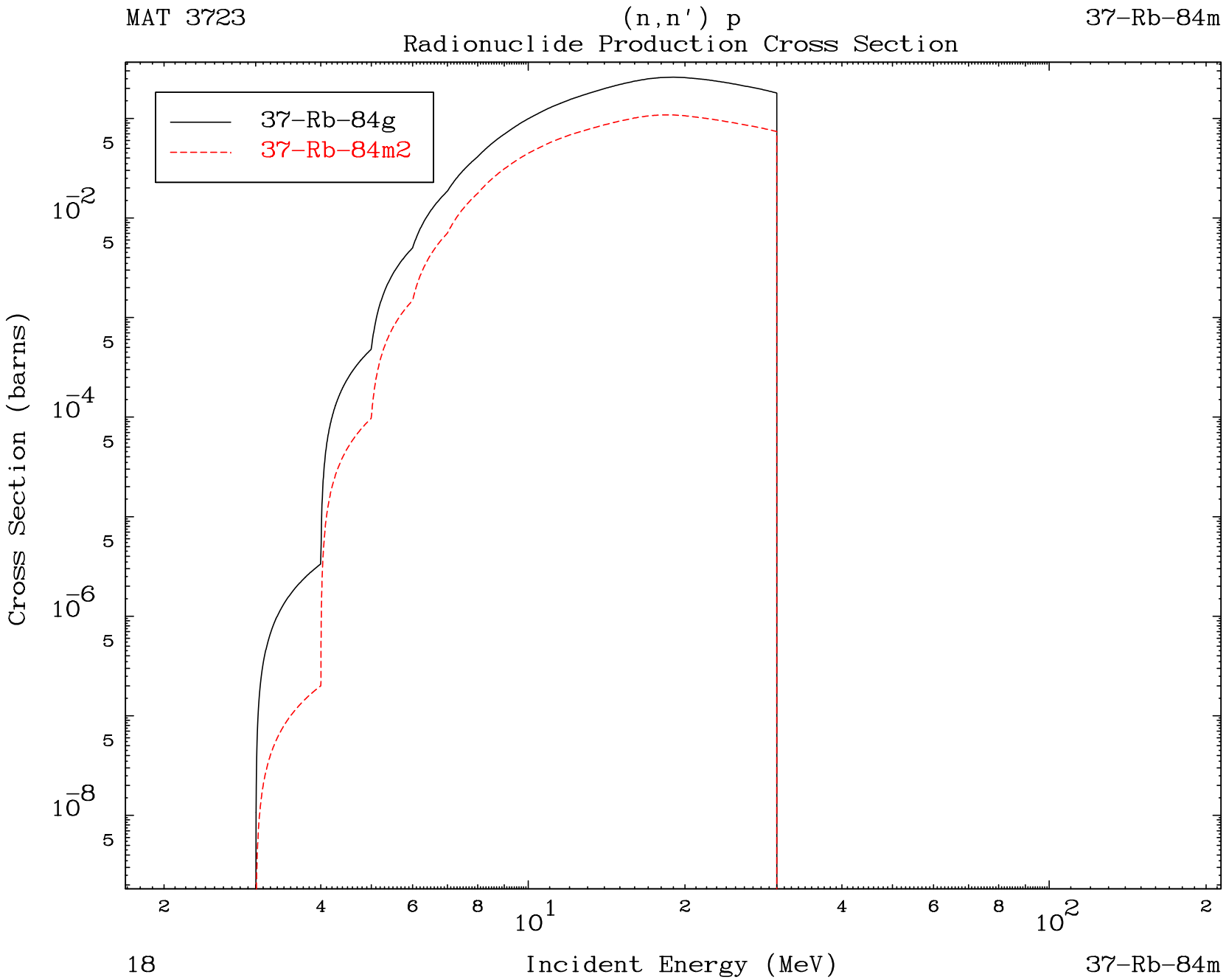

MAT 3723
Inelastic
37-Rb-84m
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
Incident Energy (MeV)
13
37-Rb-84m

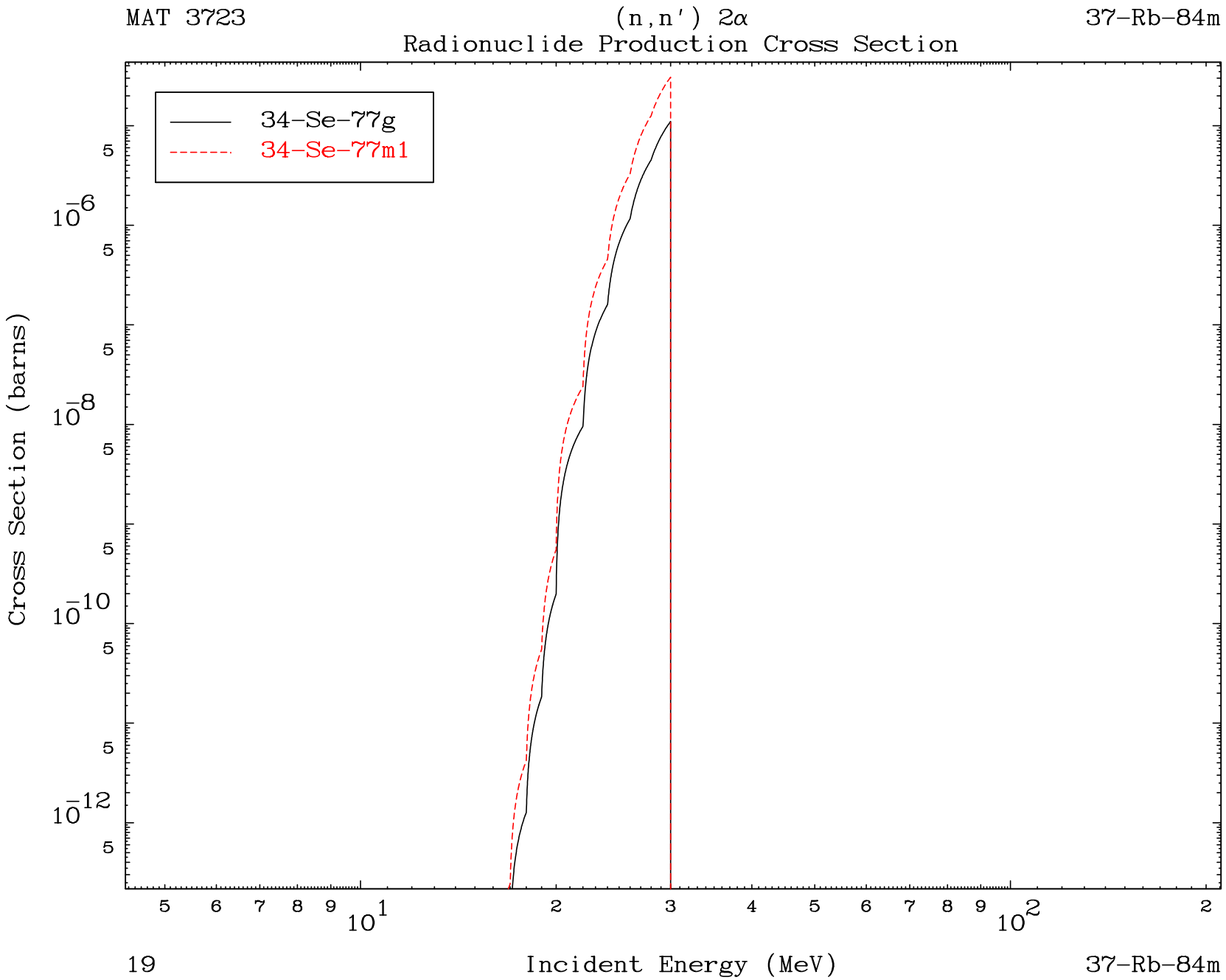

MAT 3723
(n,2n) d
37-Rb-84m
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
Incident Energy (MeV)
14
37-Rb-84m

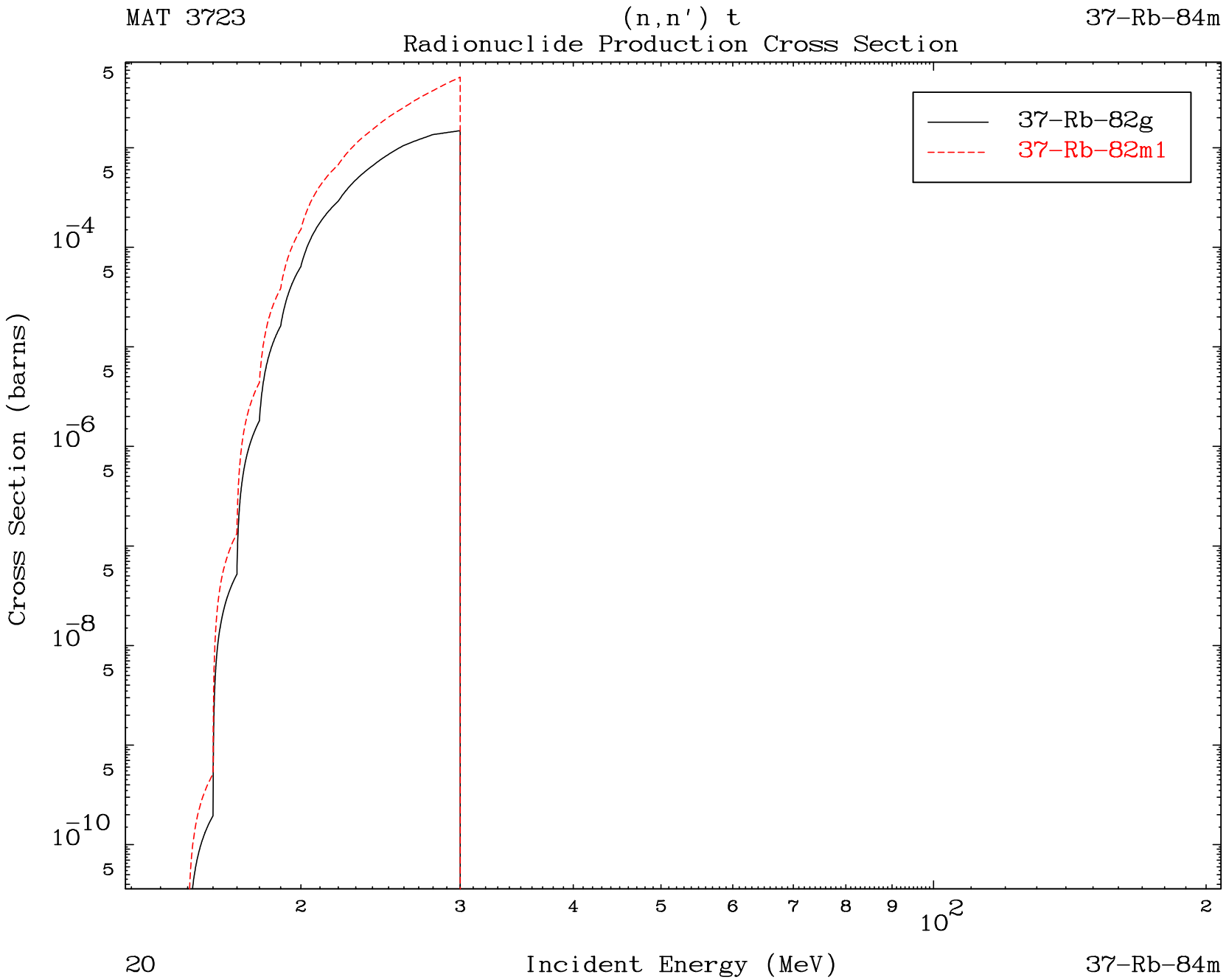

MAT 3723
(n,3n)
37-Rb-84m
Radionuclide Production Cross Section
Cross Section (barns)
5
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
38-Sr-83g
38-Sr-83m2
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
37-Rb-84m

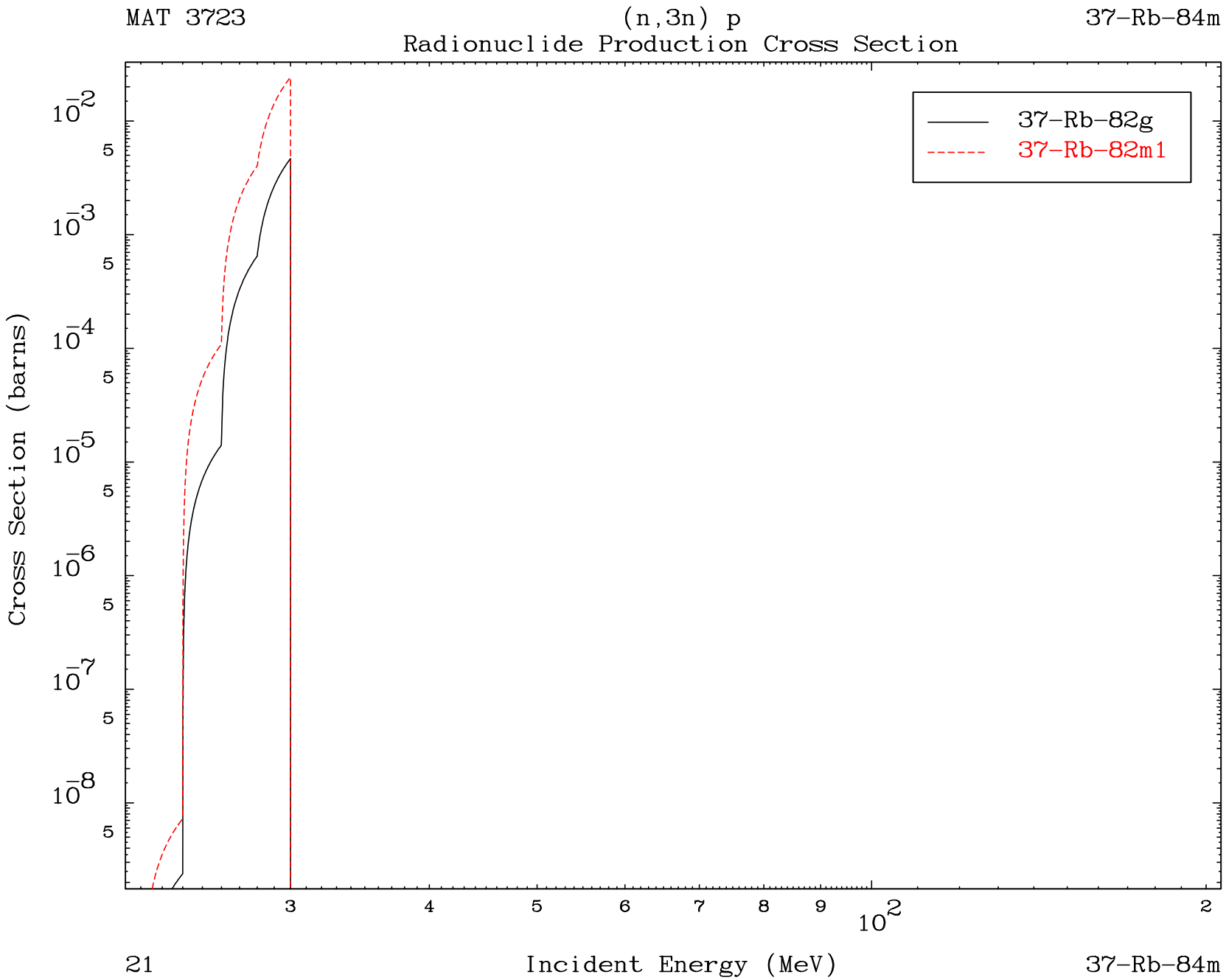

MAT 3723
(n,n') α
37-Rb-84m
Radionuclide Production Cross Section
36-Kr-81g
36-Kr-81m2
Cross Section (barns)
Incident Energy (MeV)
16
37-Rb-84m

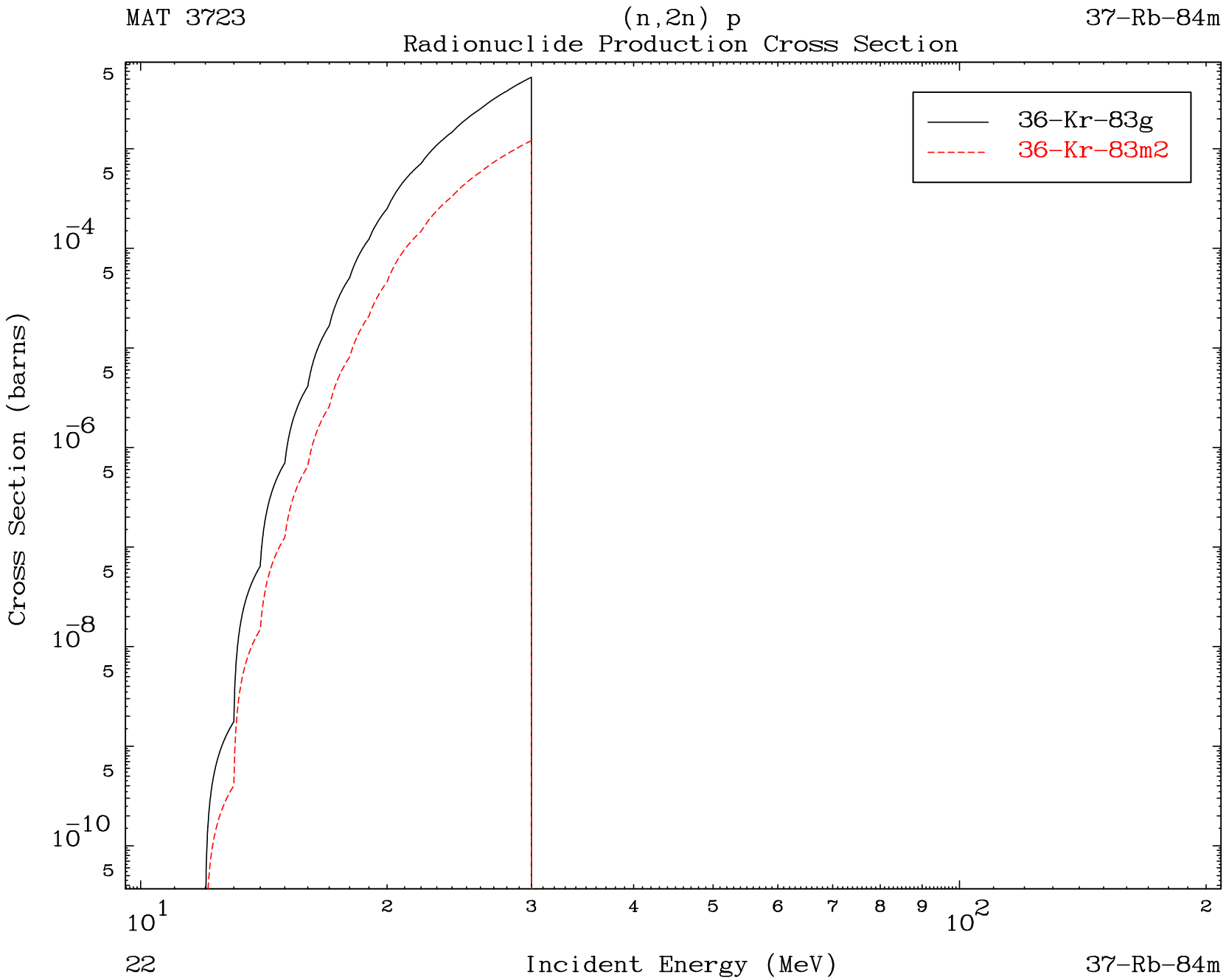

MAT 3723
(n,3n) α
37-Rb-84m
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
Incident Energy (MeV)
17
37-Rb-84m

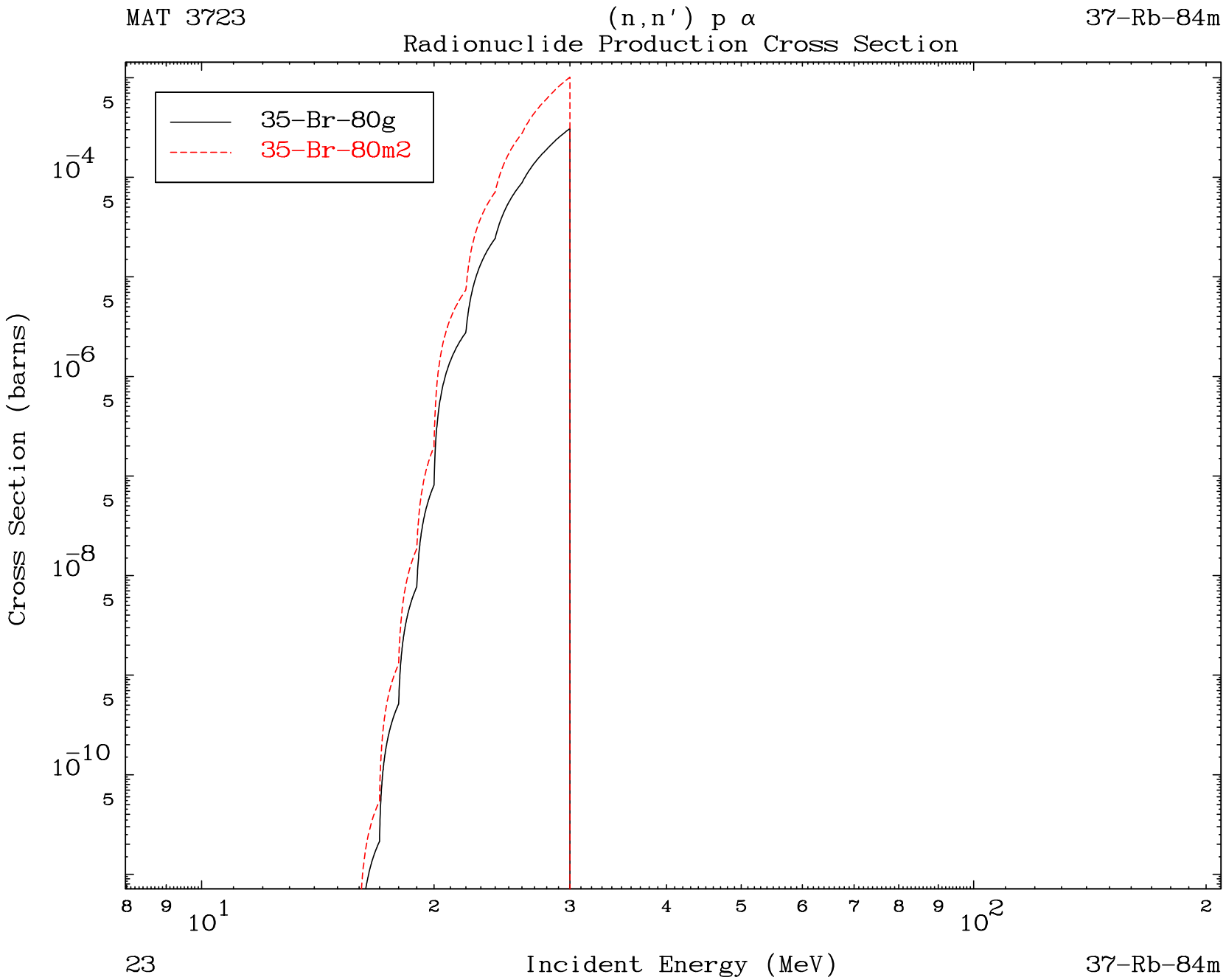

MAT 3723
(n,n') p
37-Rb-84m
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10 1
10 2
18
Incident Energy (MeV)
37-Rb-84m

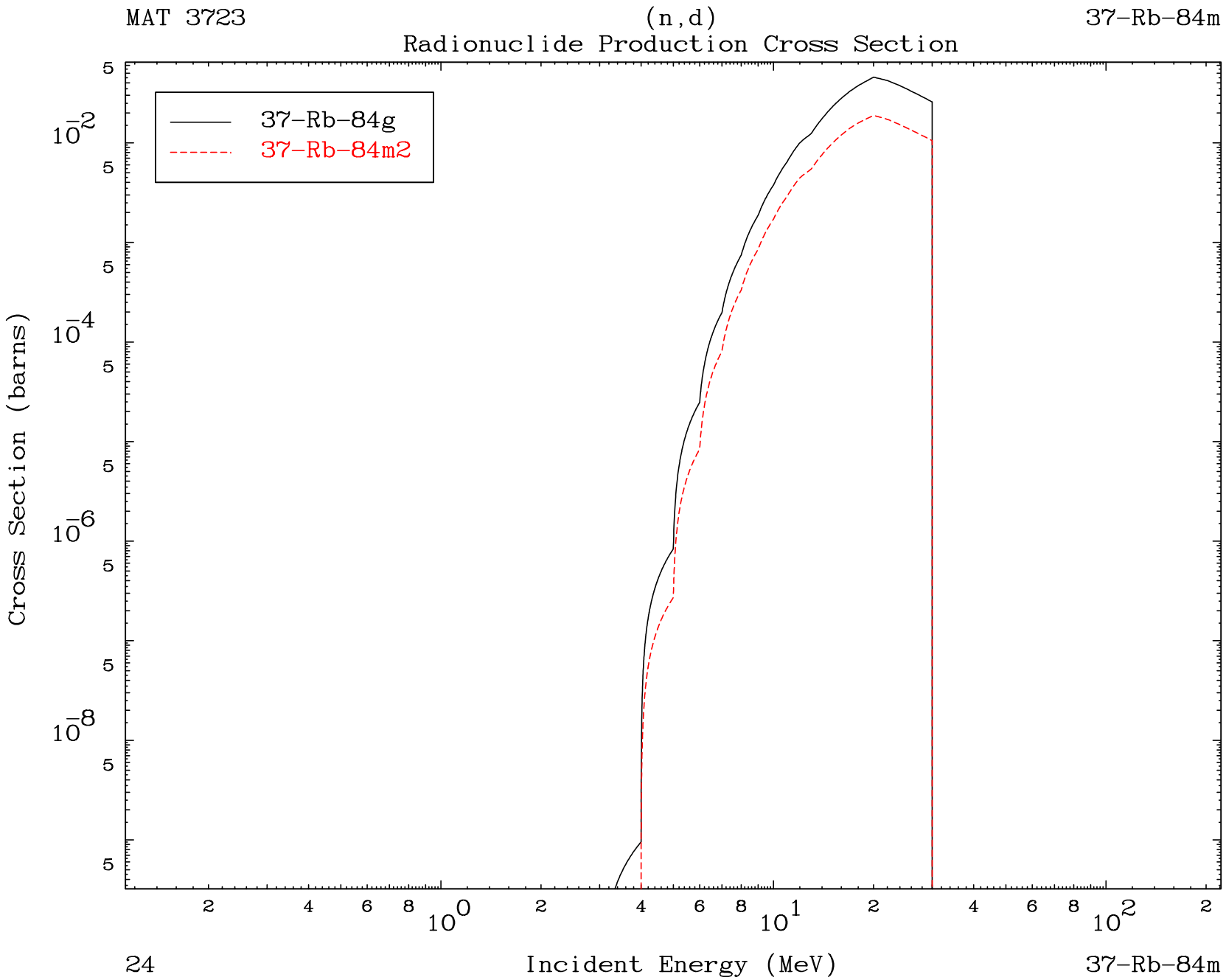

MAT 3723
(n,n') 2α
37-Rb-84m
Radionuclide Production Cross Section
34-Se-77g
34-Se-77m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
19
37-Rb-84m

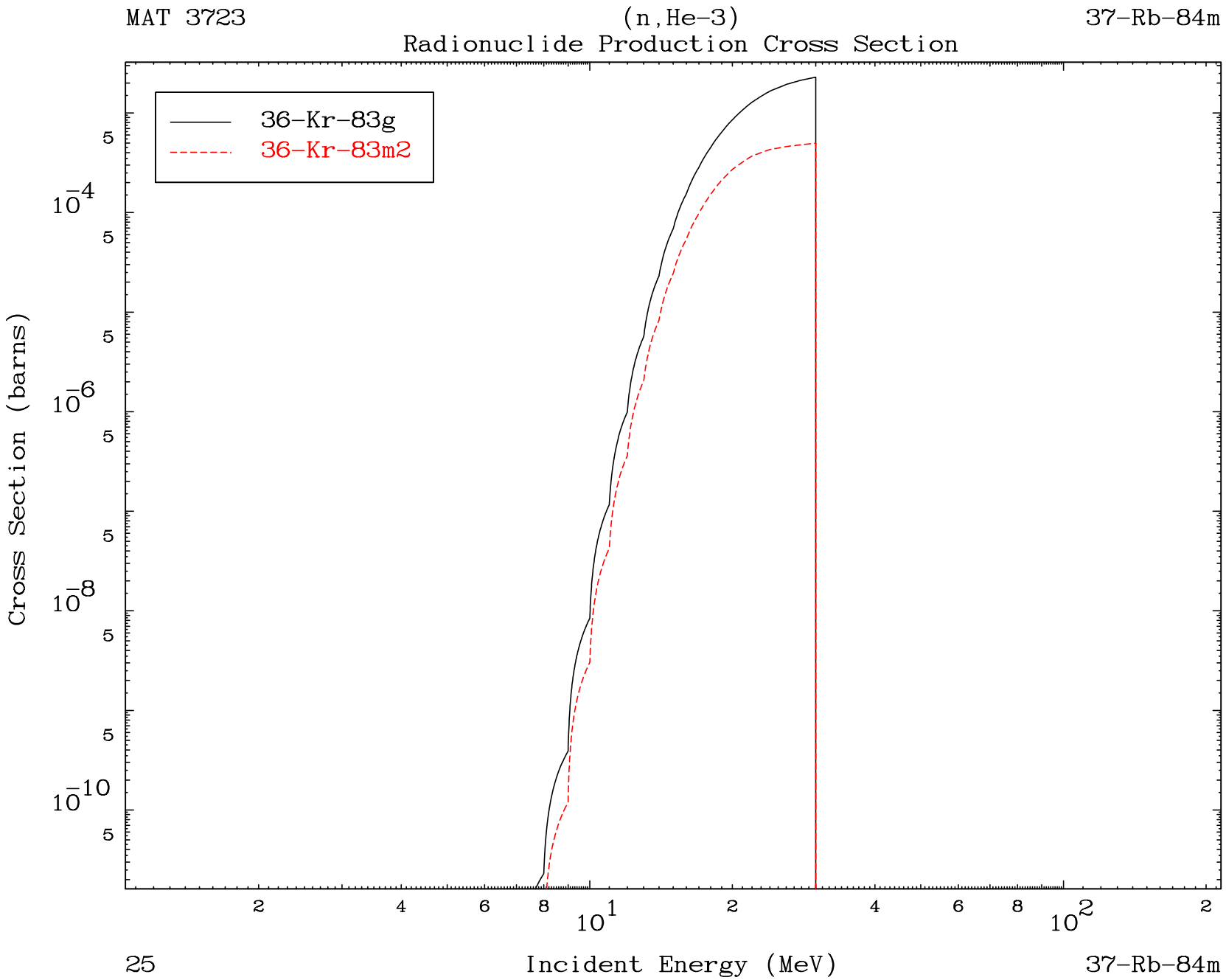

MAT 3723
(n,n') t
37-Rb-84m
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
20
37-Rb-84m

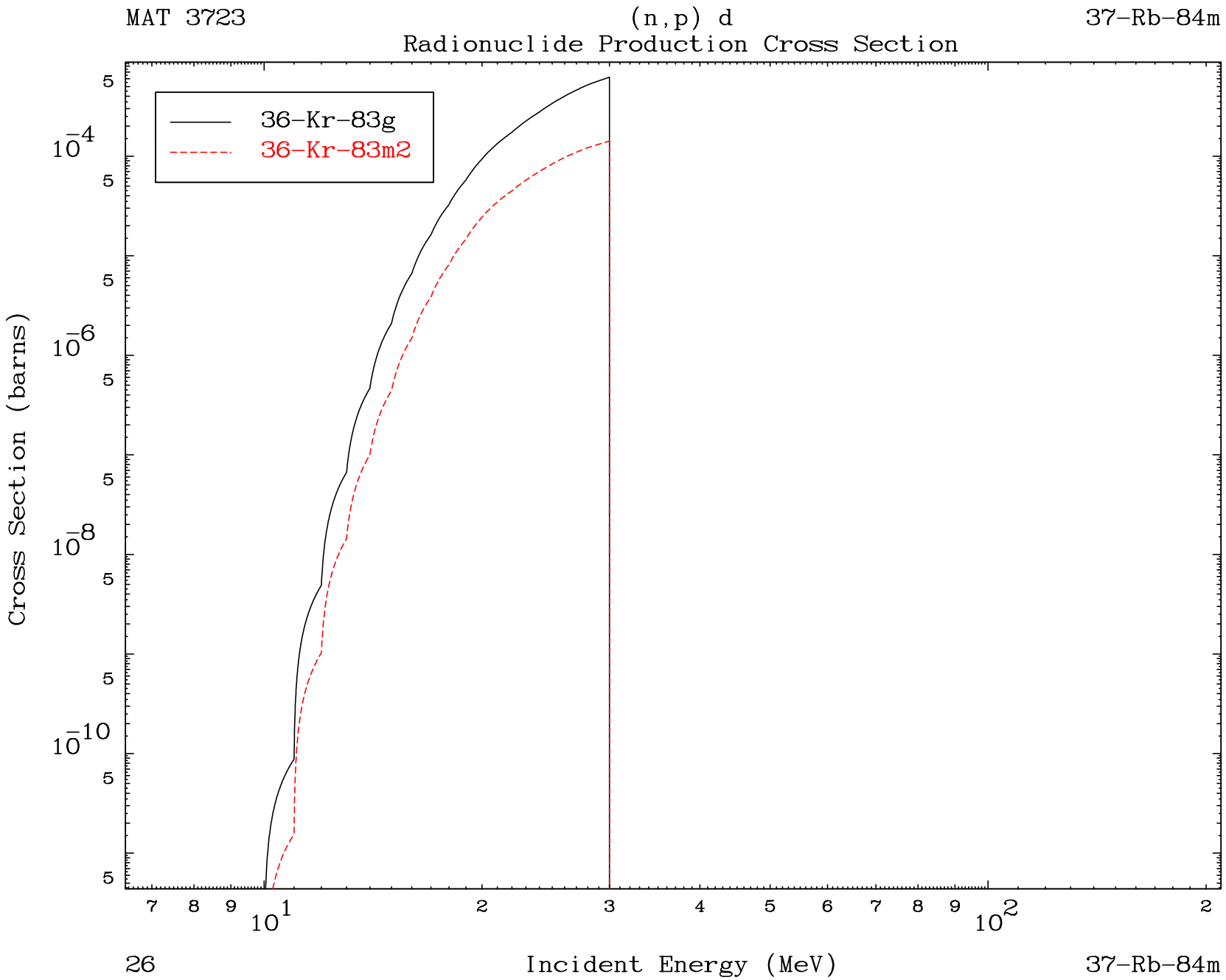

MAT 3723
(n,3n) p
37-Rb-84m
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
10-7
10-8
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
37-Rb-84m

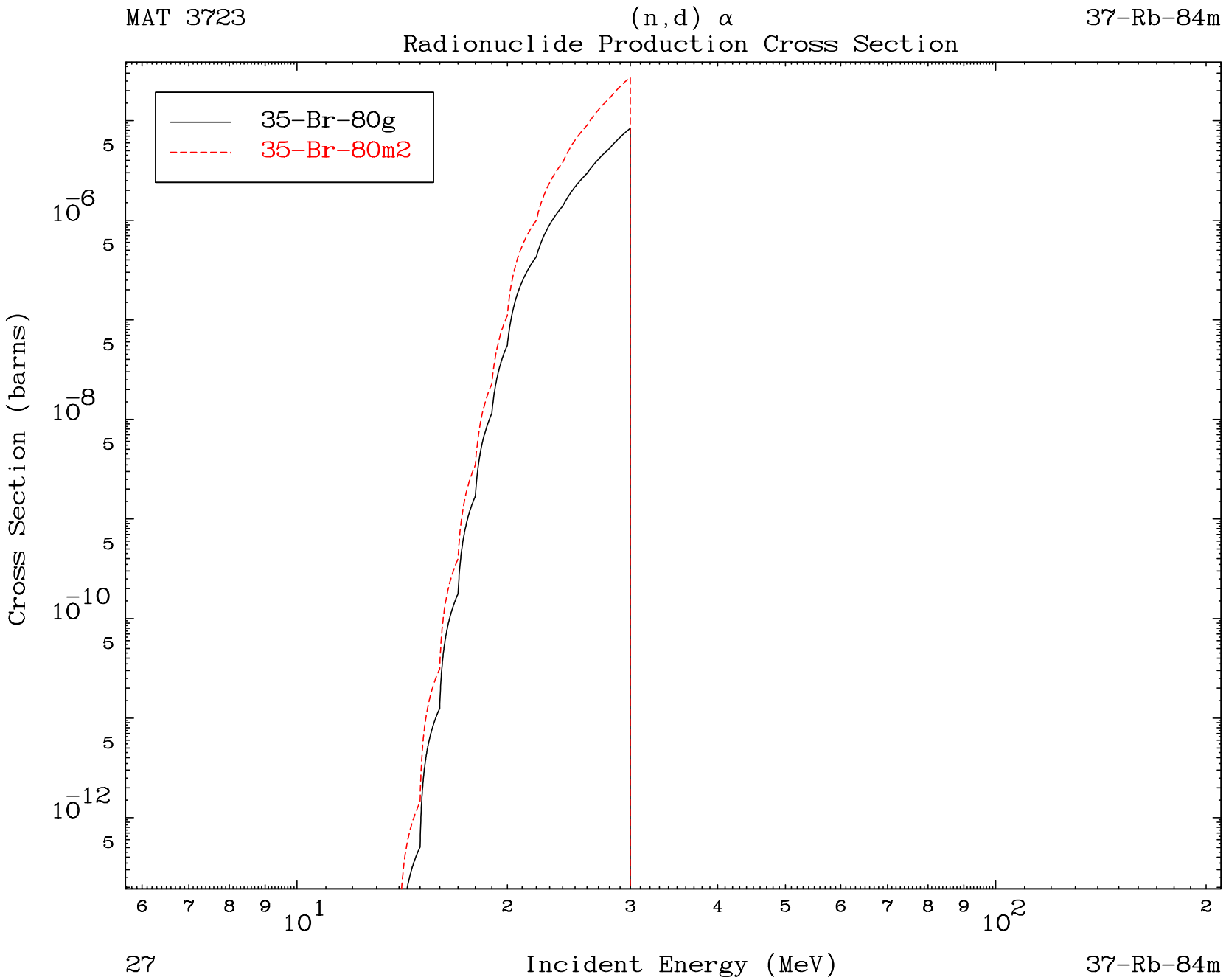

MAT 3723
(n,2n) p
37-Rb-84m
Radionuclide Production Cross Section
36-Kr-83g
36-Kr-83m2
Cross Section (barns)
Incident Energy (MeV)
37-Rb-84m
22


MAT 3723
(n,n') p α
37-Rb-84m
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
23
Incident Energy (MeV)
37-Rb-84m


MAT 3723
(n,d)
37-Rb-84m
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
Incident Energy (MeV)
24
37-Rb-84m


MAT 3723
(n,He-3)
37-Rb-84m
Radionuclide Production Cross Section
36-Kr-83g
36-Kr-83m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
25
37-Rb-84m


MAT 3723
(n,p) d
37-Rb-84m
Radionuclide Production Cross Section
36-Kr-83g
36-Kr-83m2
Cross Section (barns)
Incident Energy (MeV)
26
37-Rb-84m


MAT 3723
(n,d) α
37-Rb-84m
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
27
Incident Energy (MeV)
37-Rb-84m