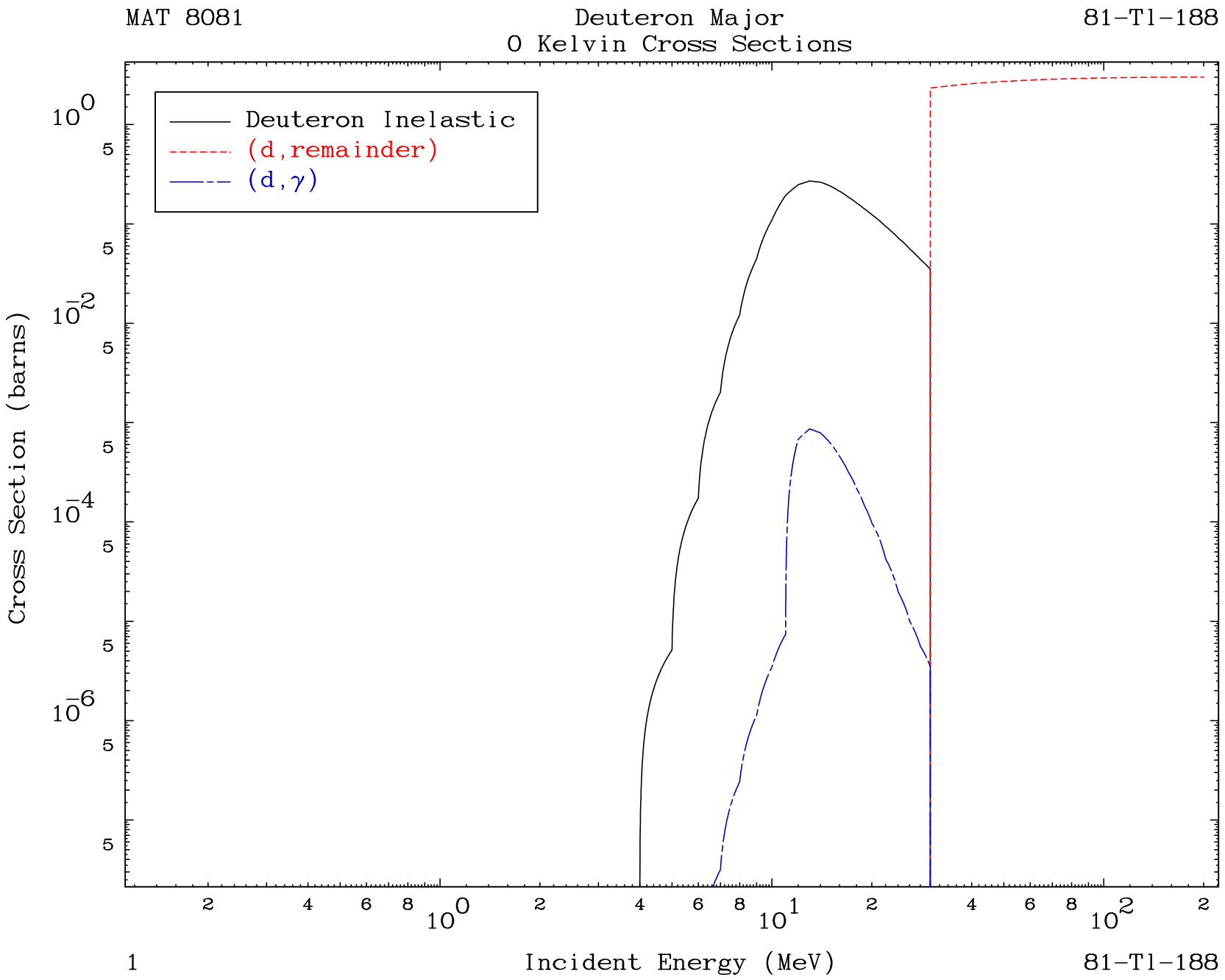
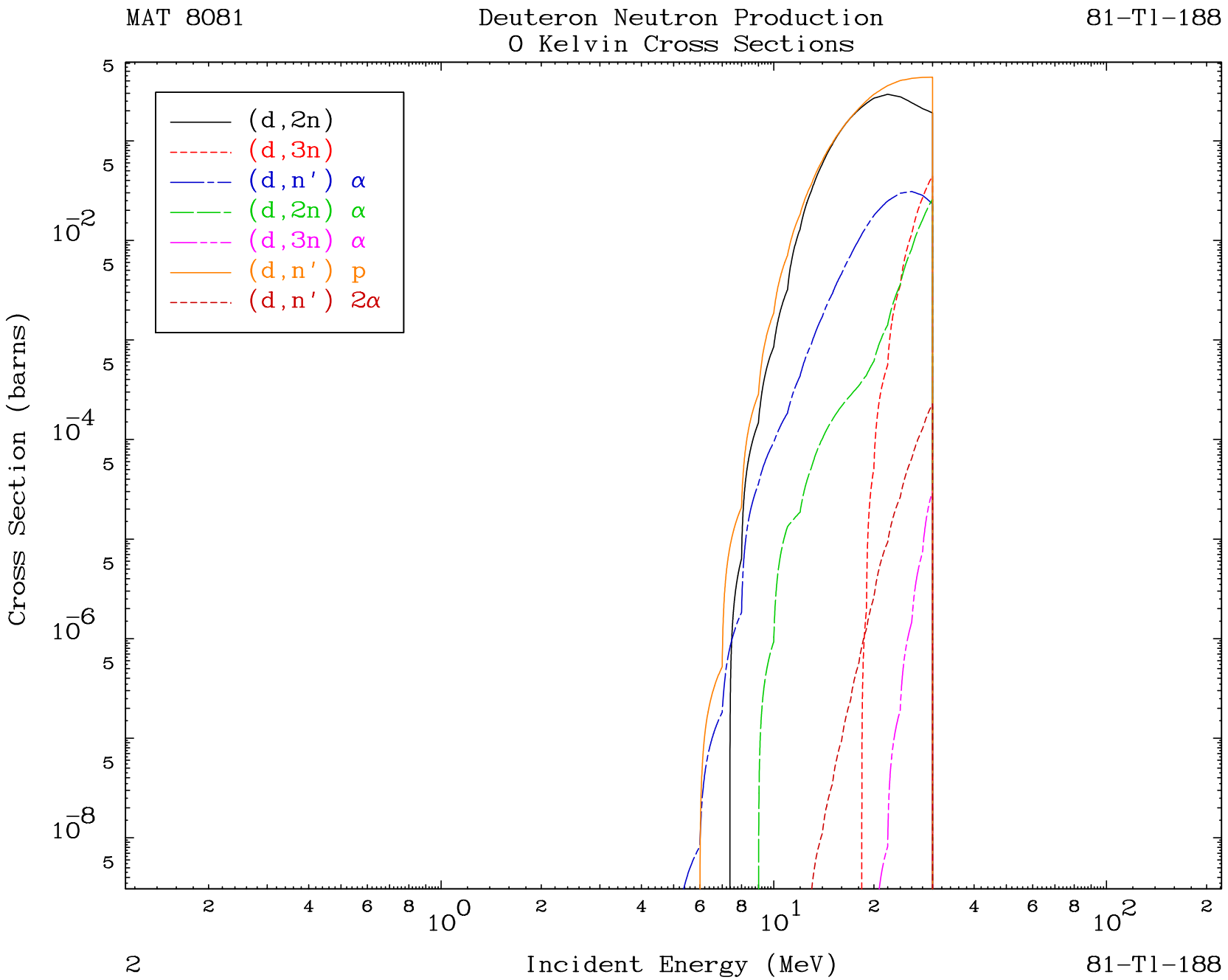
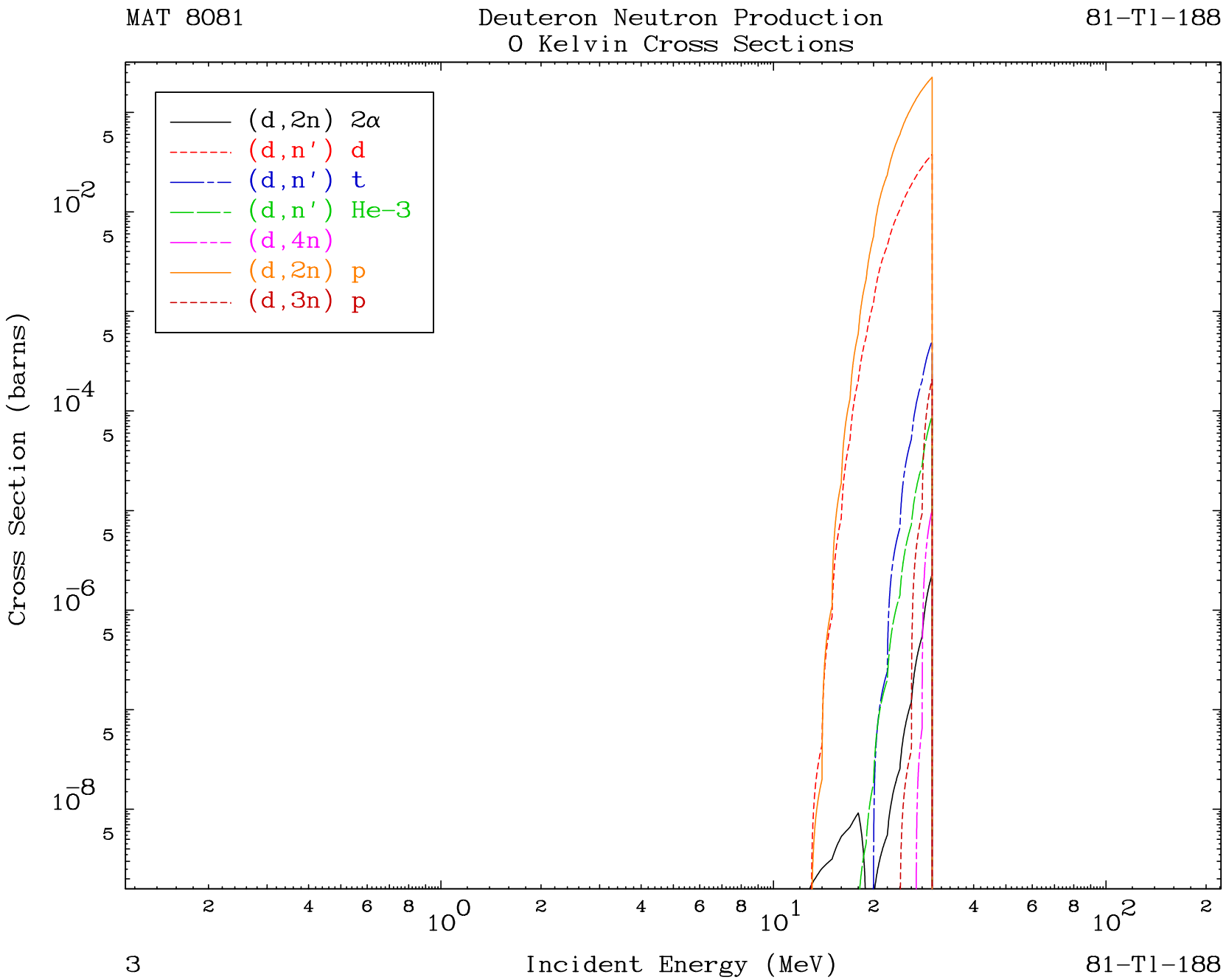
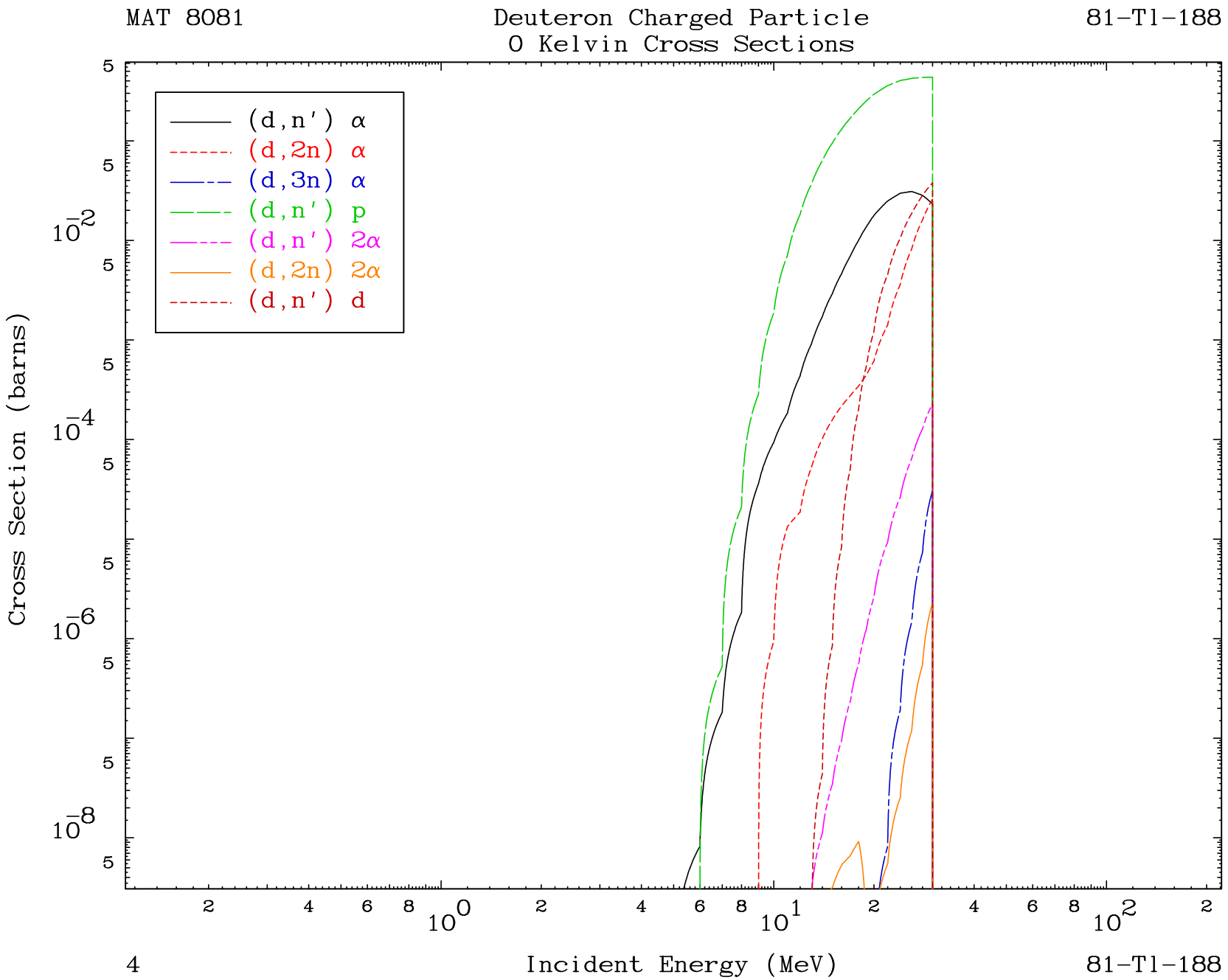
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

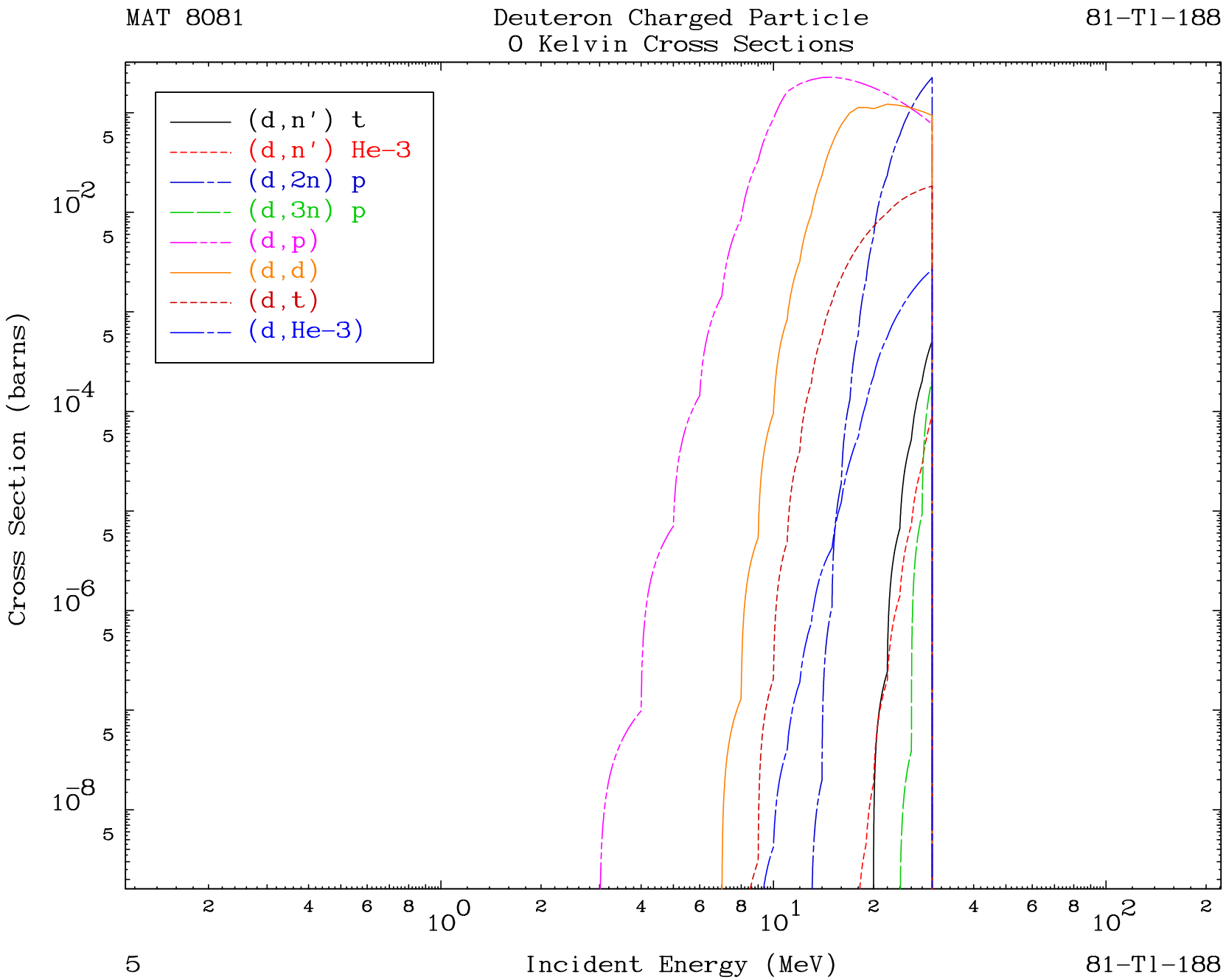
Press Mouse Button to Start

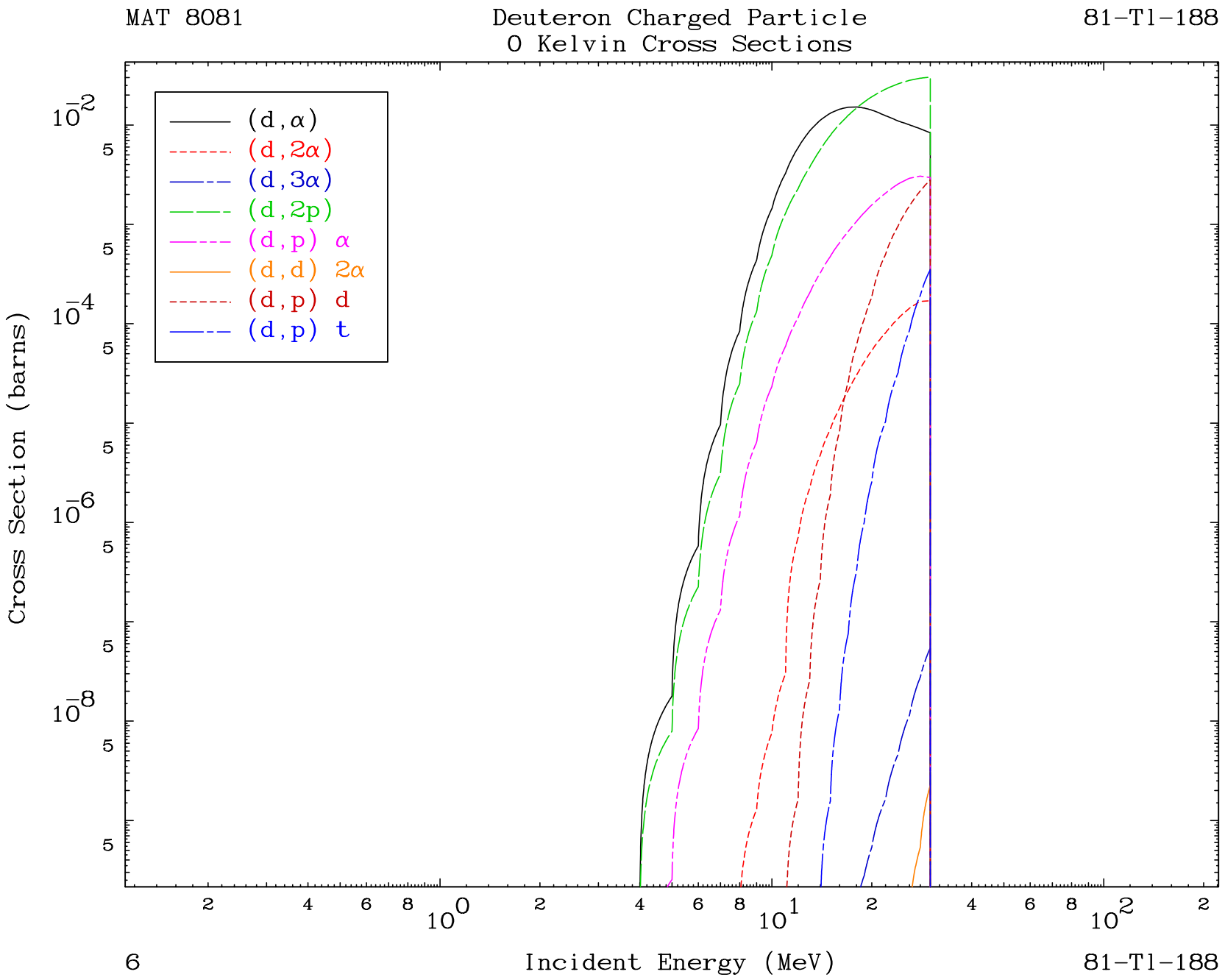

MAT 8081
Deuteron Major
81-Tl-188
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-188

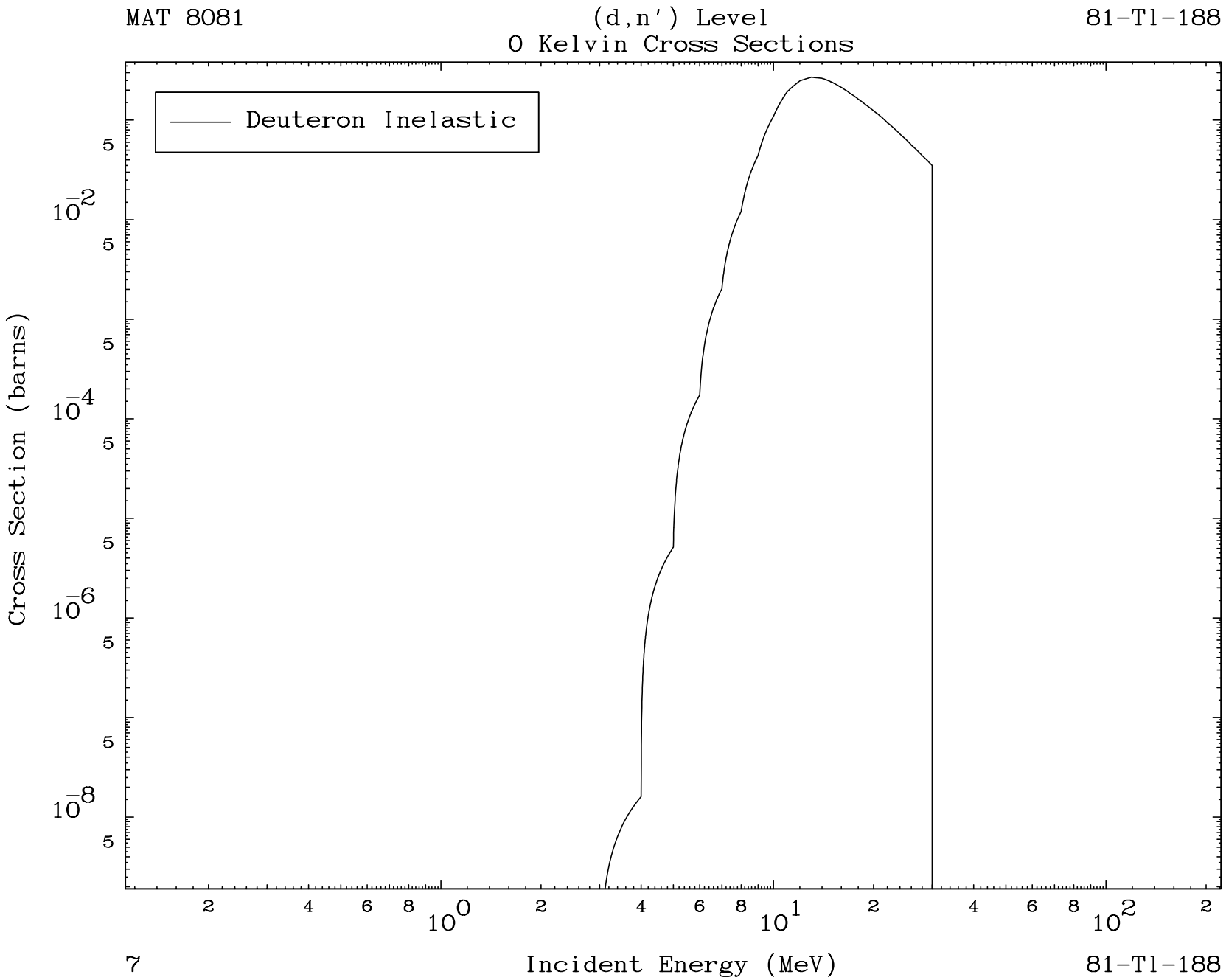

MAT 8081
Deuteron Neutron Production
0 Kelvin Cross Sections
81-Tl-188
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
Cross Section (barns)
Incident Energy (MeV)
81-Tl-188

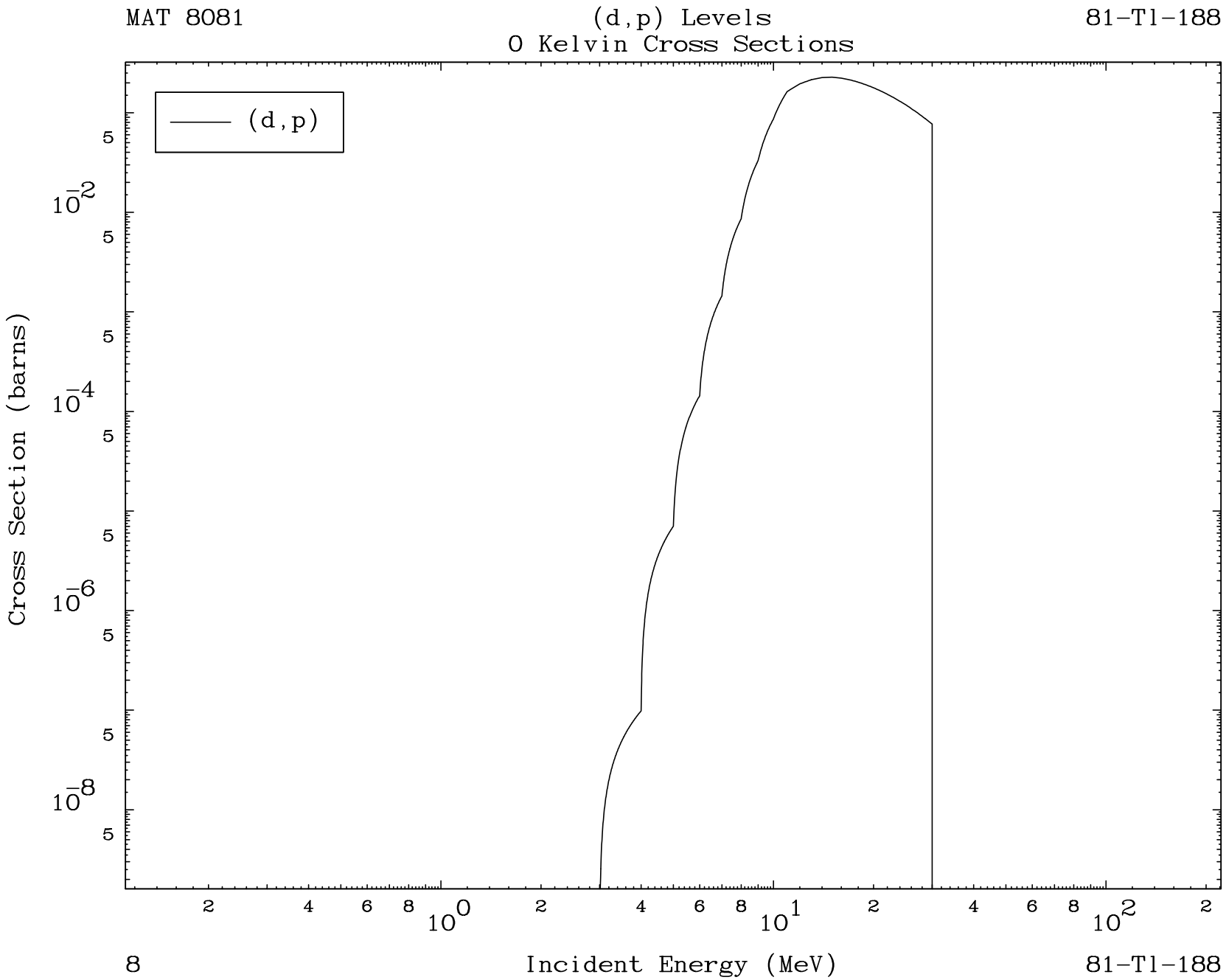

MAT 8081
Deuteron Neutron Production
0 Kelvin Cross Sections
81-Tl-188
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
(d,3n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
3
81-Tl-188

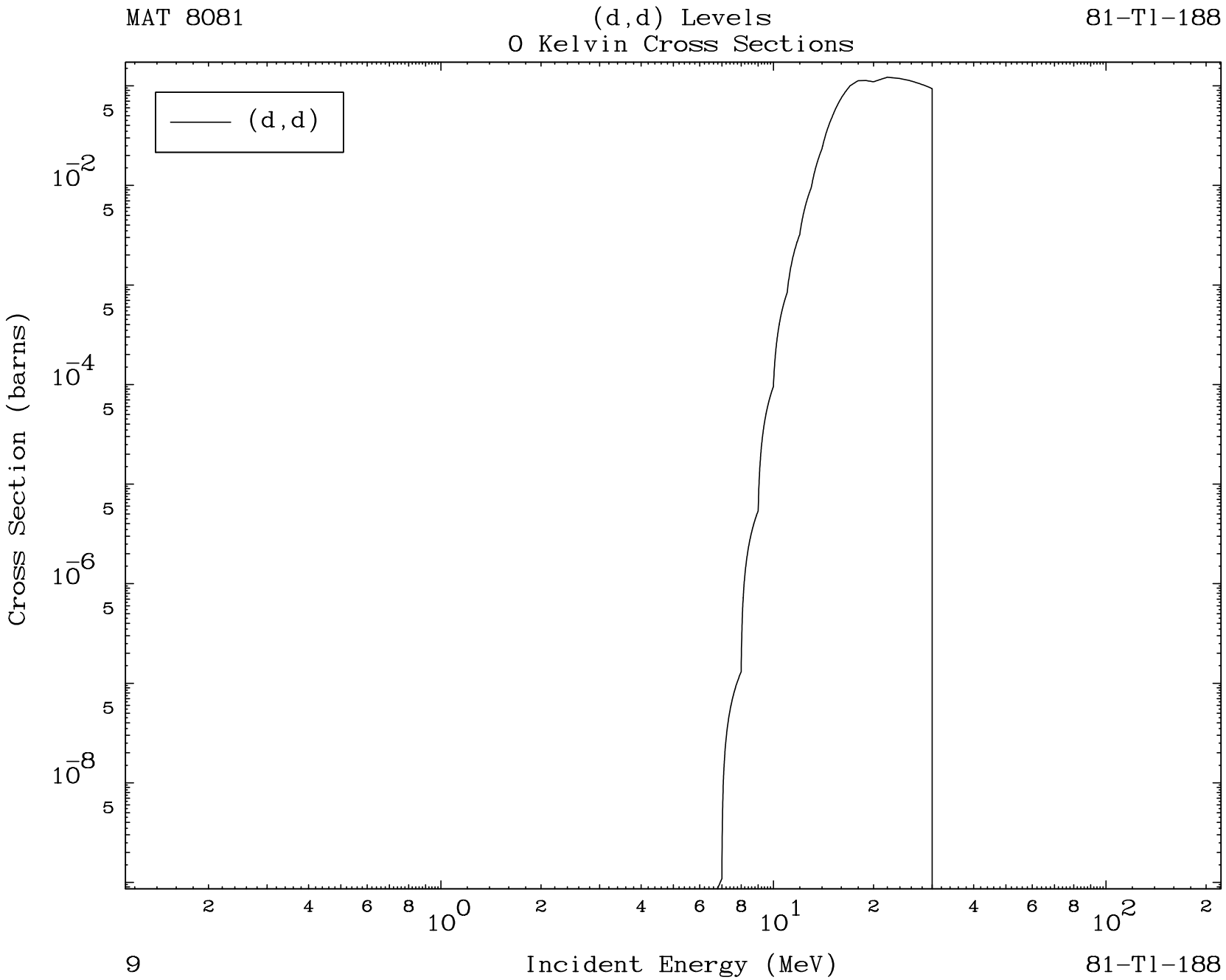

MAT 8081
Deuteron Charged Particle
0 Kelvin Cross Sections
81-Tl-188
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,2n) 2α
(d,n') d
Cross Section (barns)
Incident Energy (MeV)
4
81-Tl-188

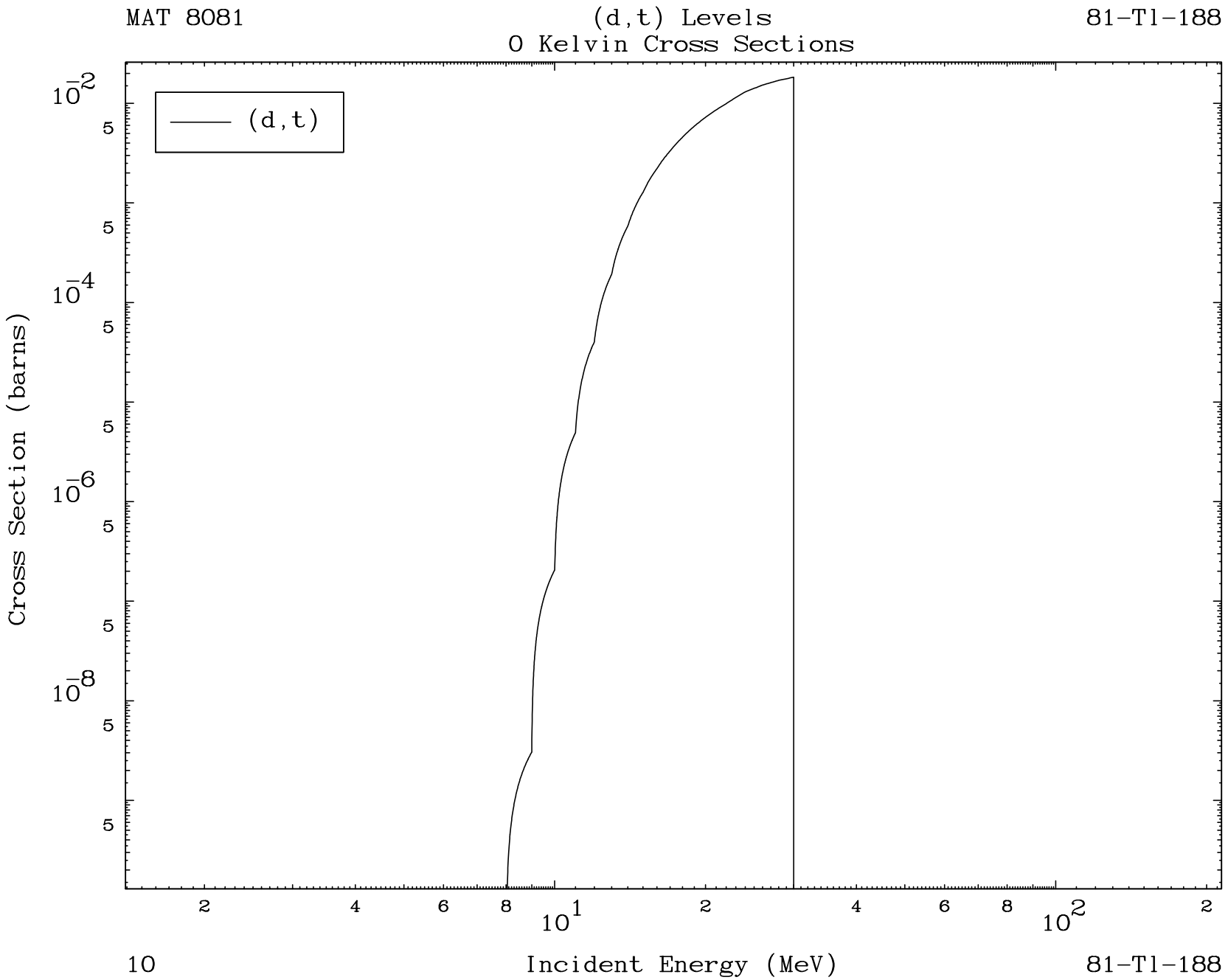

MAT 8081
Deuteron Charged Particle
0 Kelvin Cross Sections
81-Tl-188
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
(d,p)
(d,d)
(d,t)
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
5
81-Tl-188

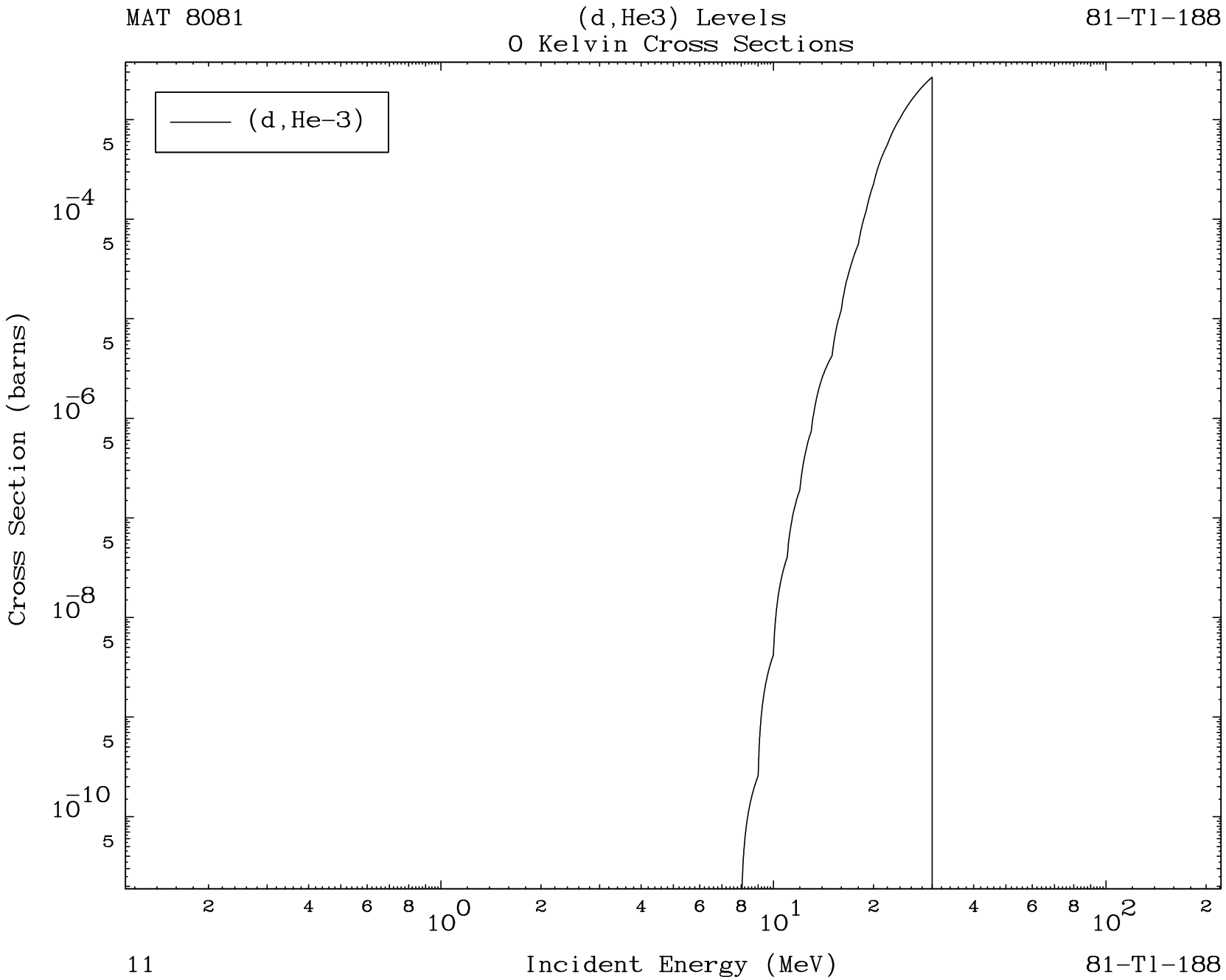

MAT 8081
Deuteron Charged Particle
0 Kelvin Cross Sections
81-Tl-188
(d,α)
(d,2α)
(d,3α)
(d,2p)
(d,p) α
(d,d) 2α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
6
81-Tl-188

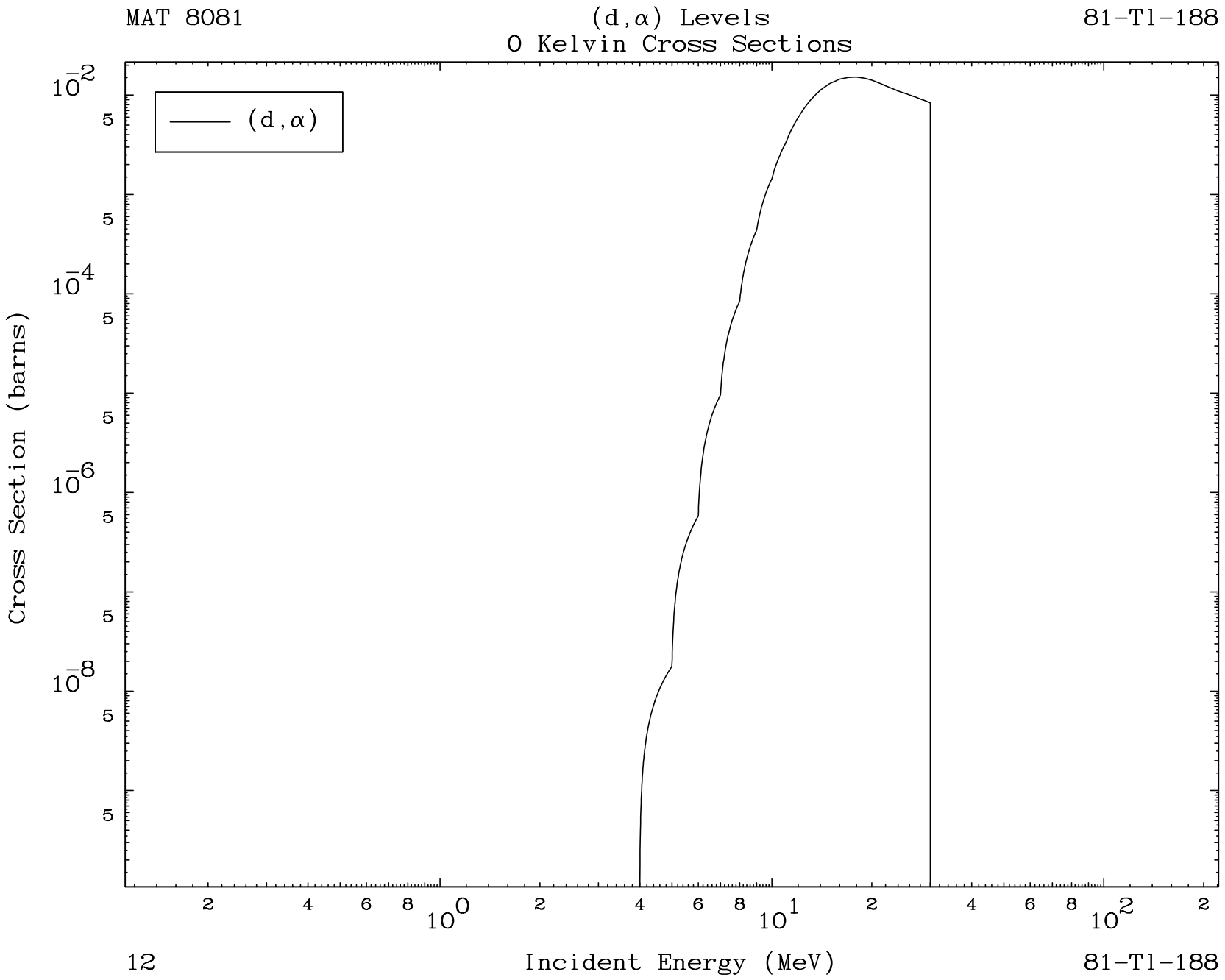

MAT 8081
(d,n') Level
81-Tl-188
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
7
81-Tl-188

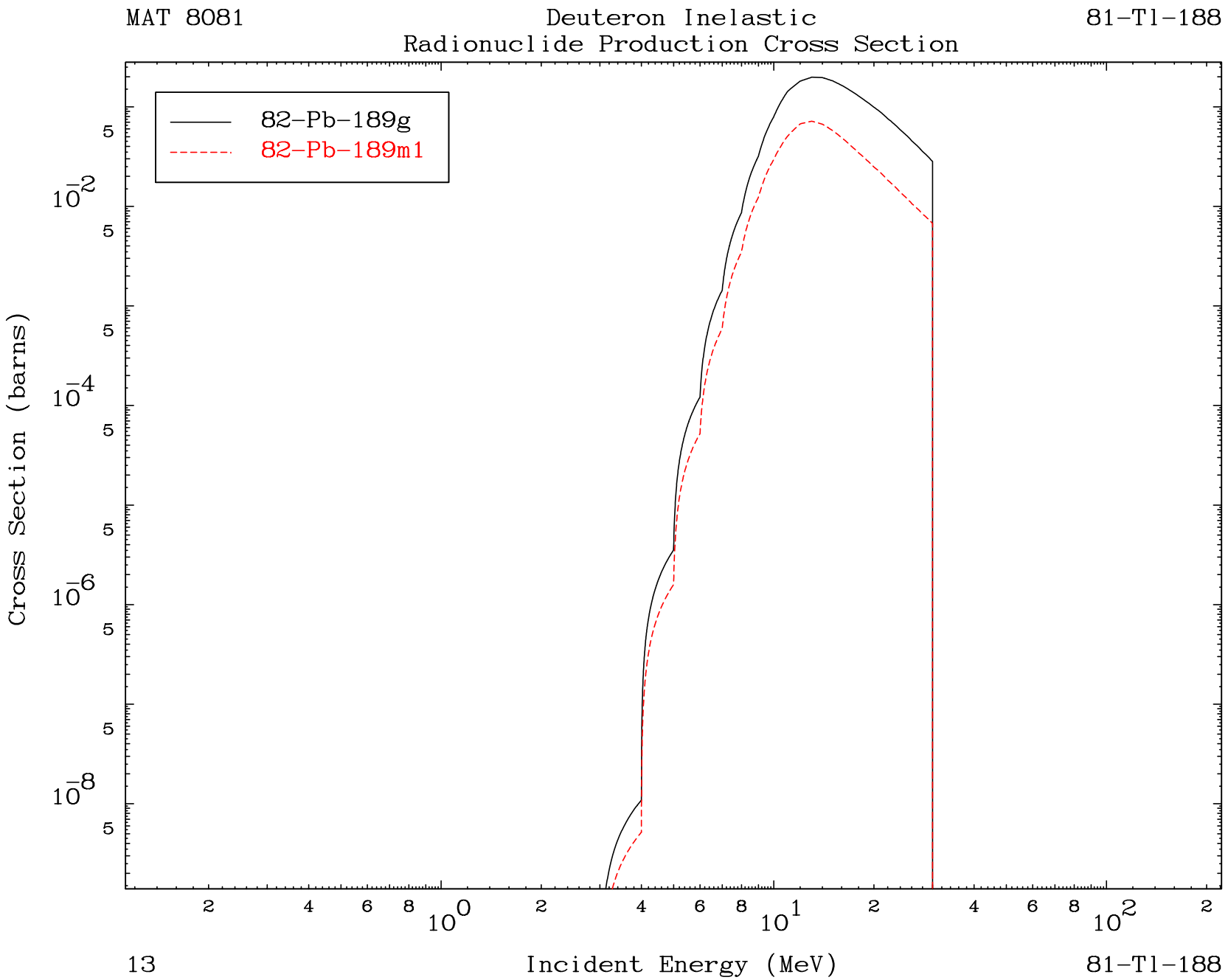

MAT 8081
(d,p) Levels
81-Tl-188
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
8
81-Tl-188

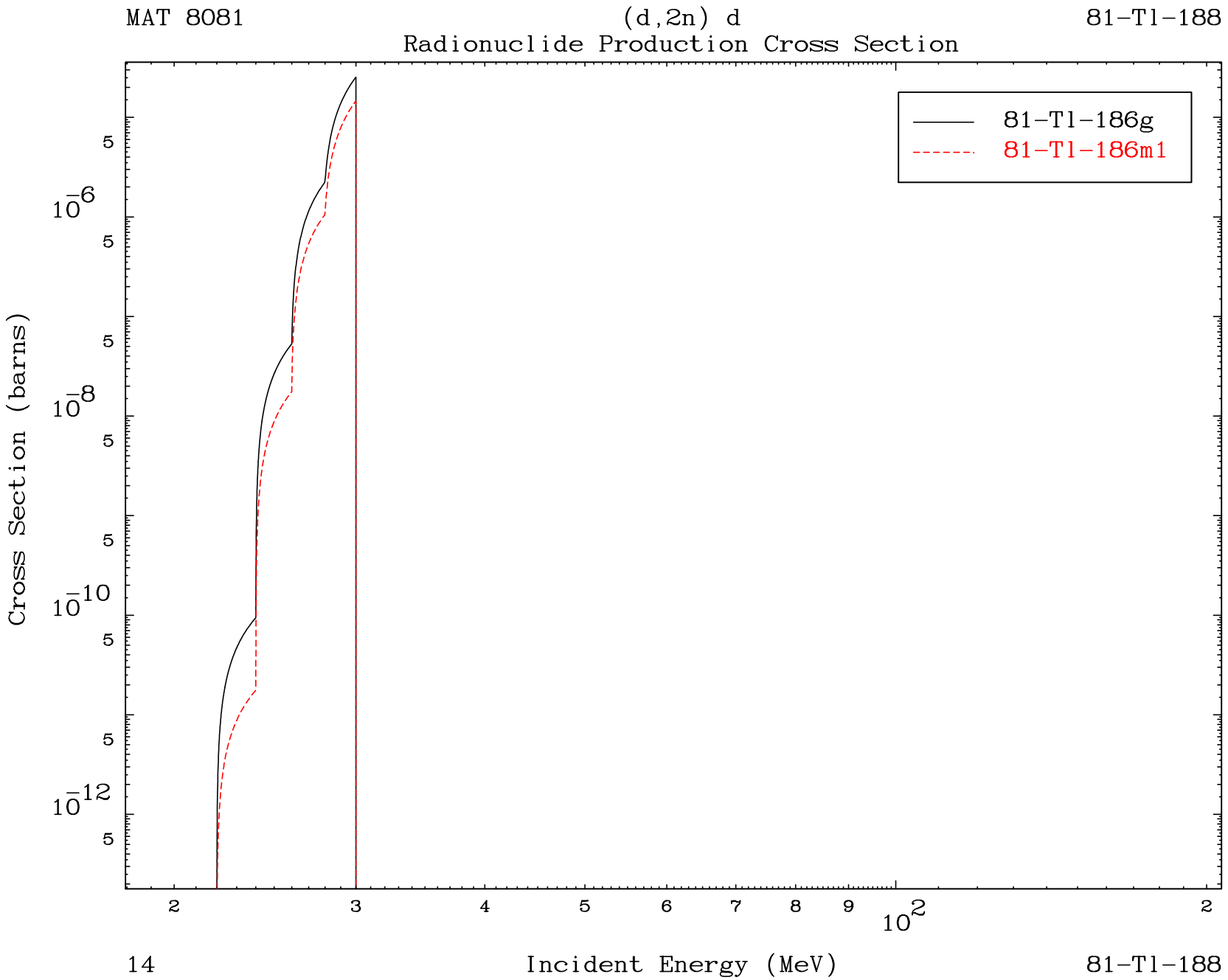

MAT 8081
(d,d) Levels
81-Tl-188
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
9
81-Tl-188

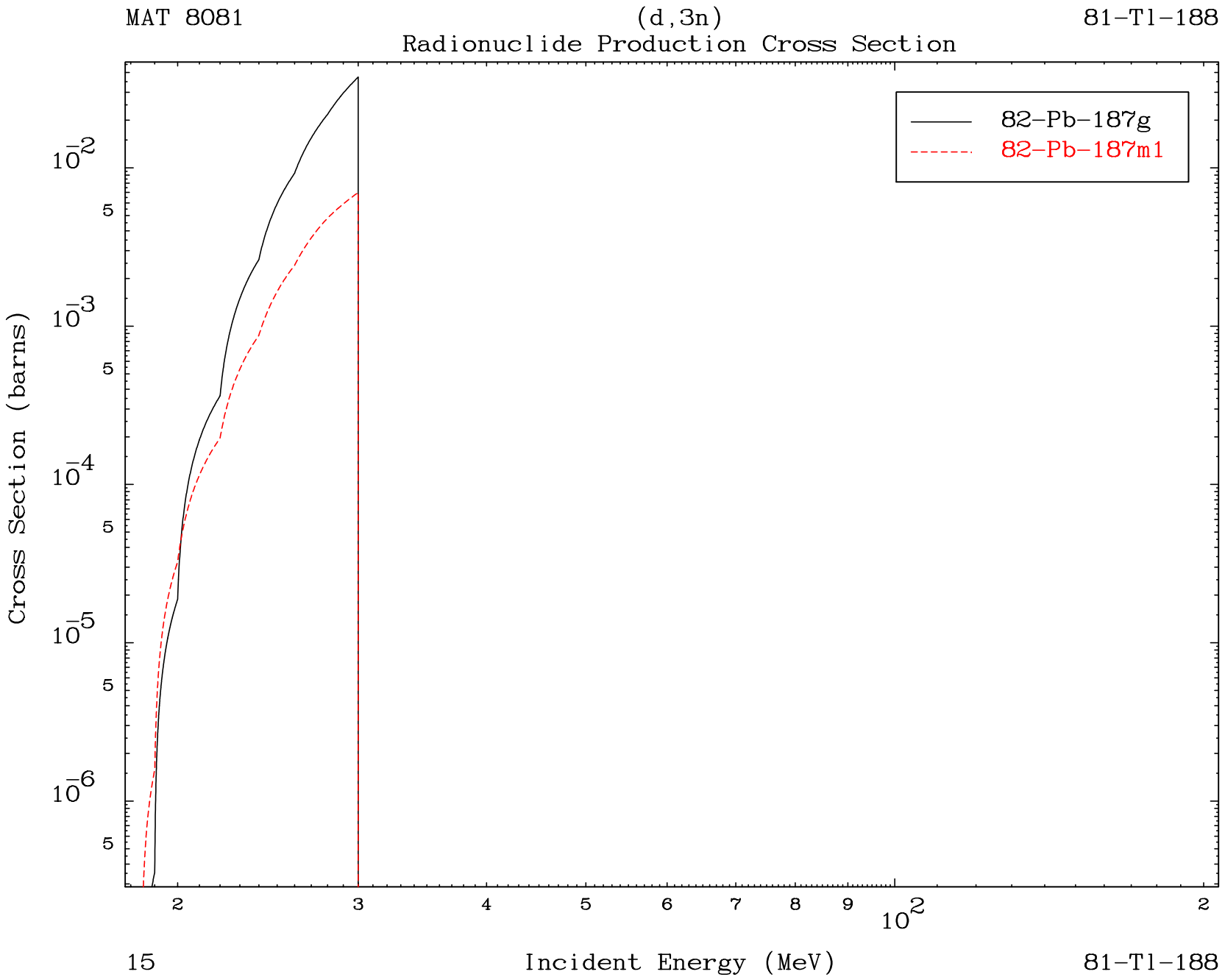

MAT 8081
(d,t) Levels
81-Tl-188
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-188

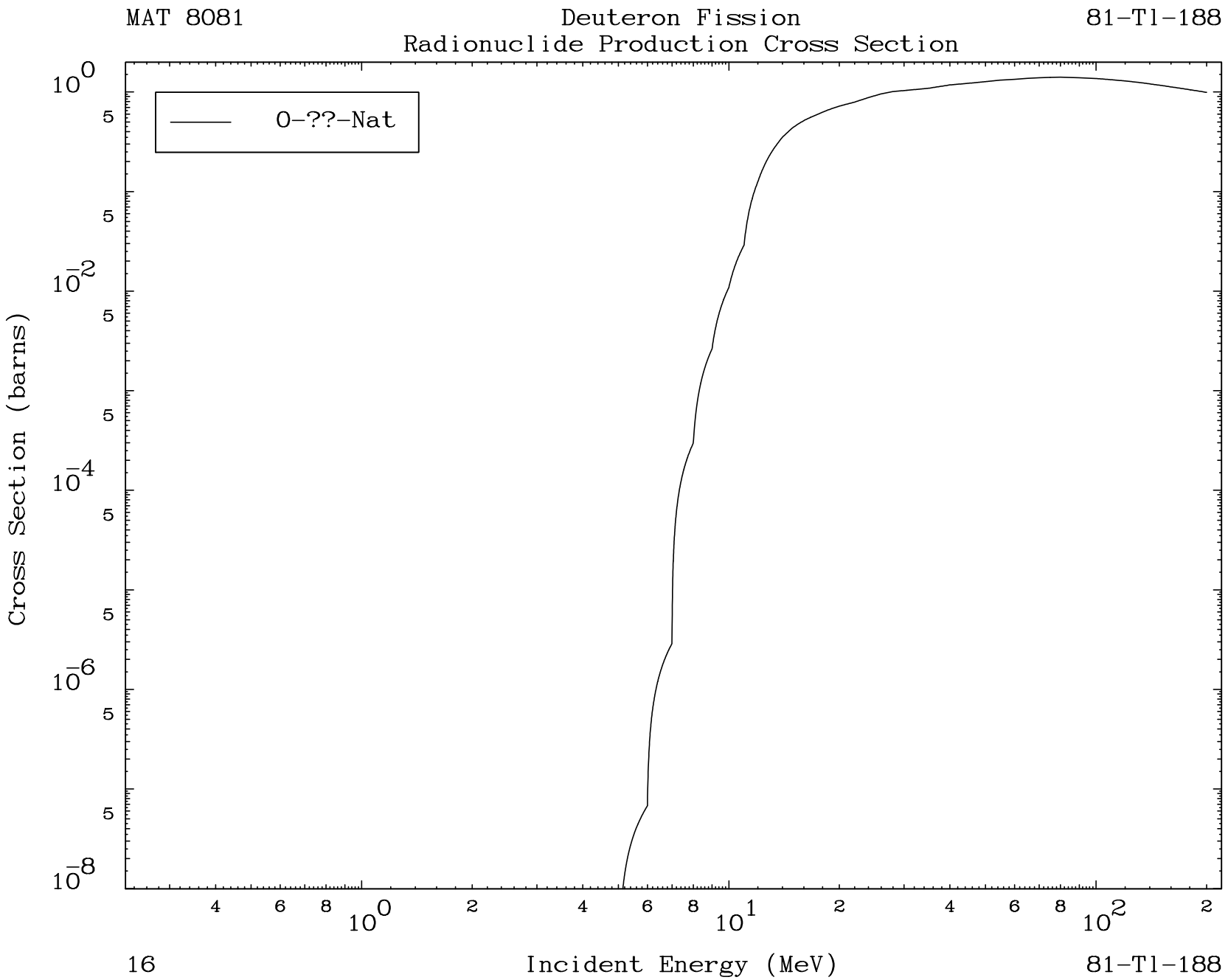

MAT 8081
(d,He3) Levels
81-Tl-188
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
81-Tl-188

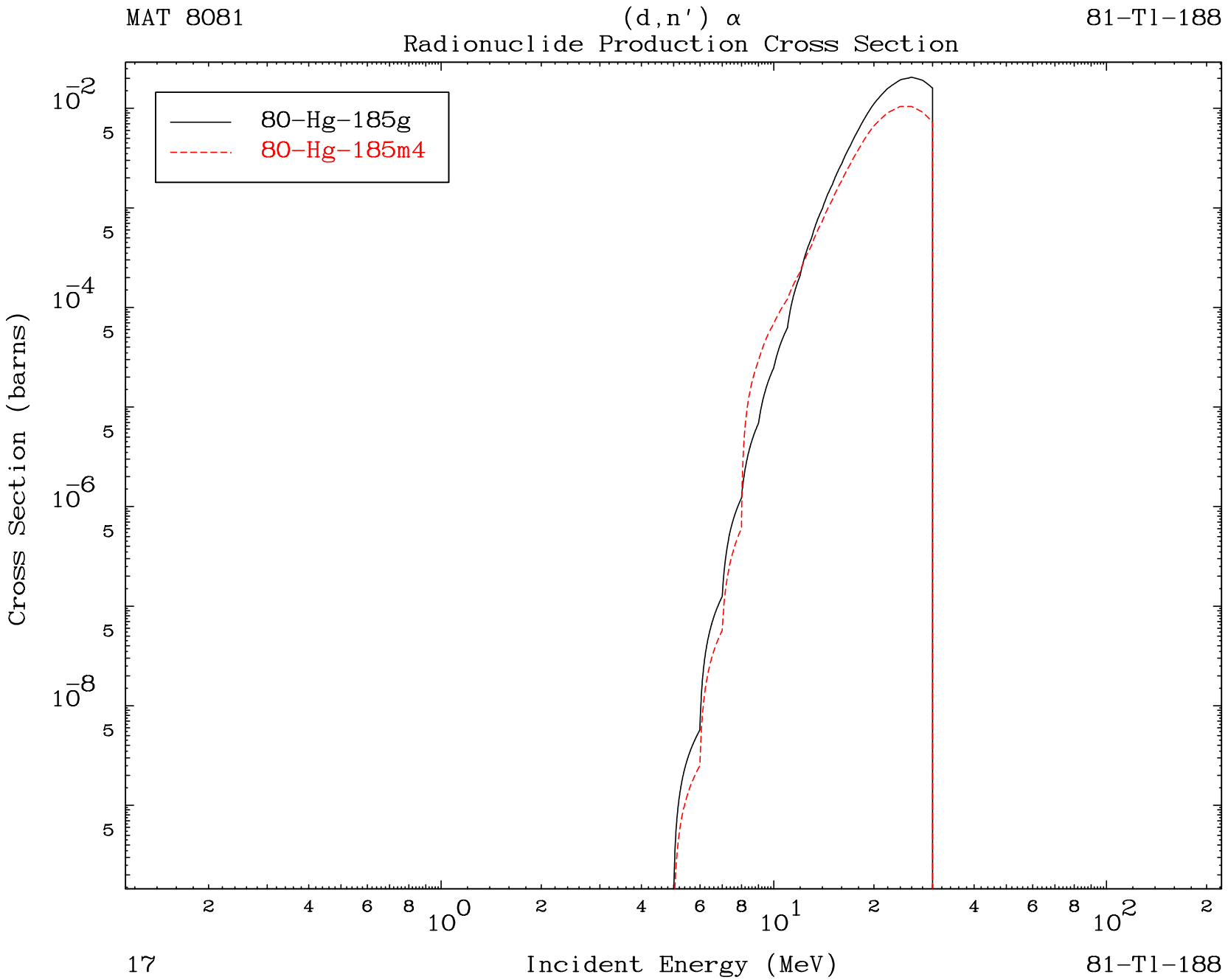

MAT 8081
(d,α) Levels
81-Tl-188
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
Incident Energy (MeV)
12
81-Tl-188

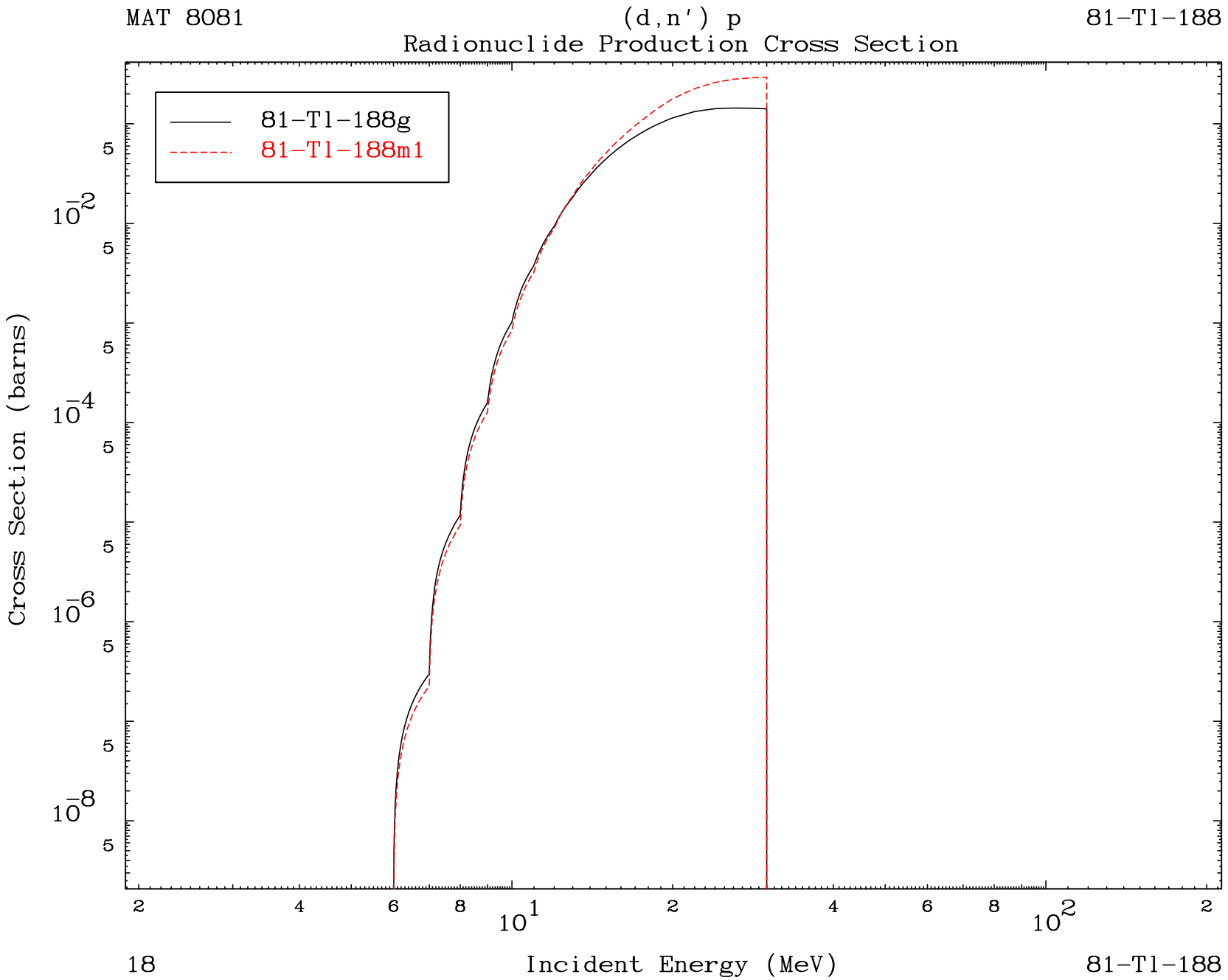

MAT 8081
Deuteron Inelastic
81-Tl-188
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
Incident Energy (MeV)
13
81-Tl-188

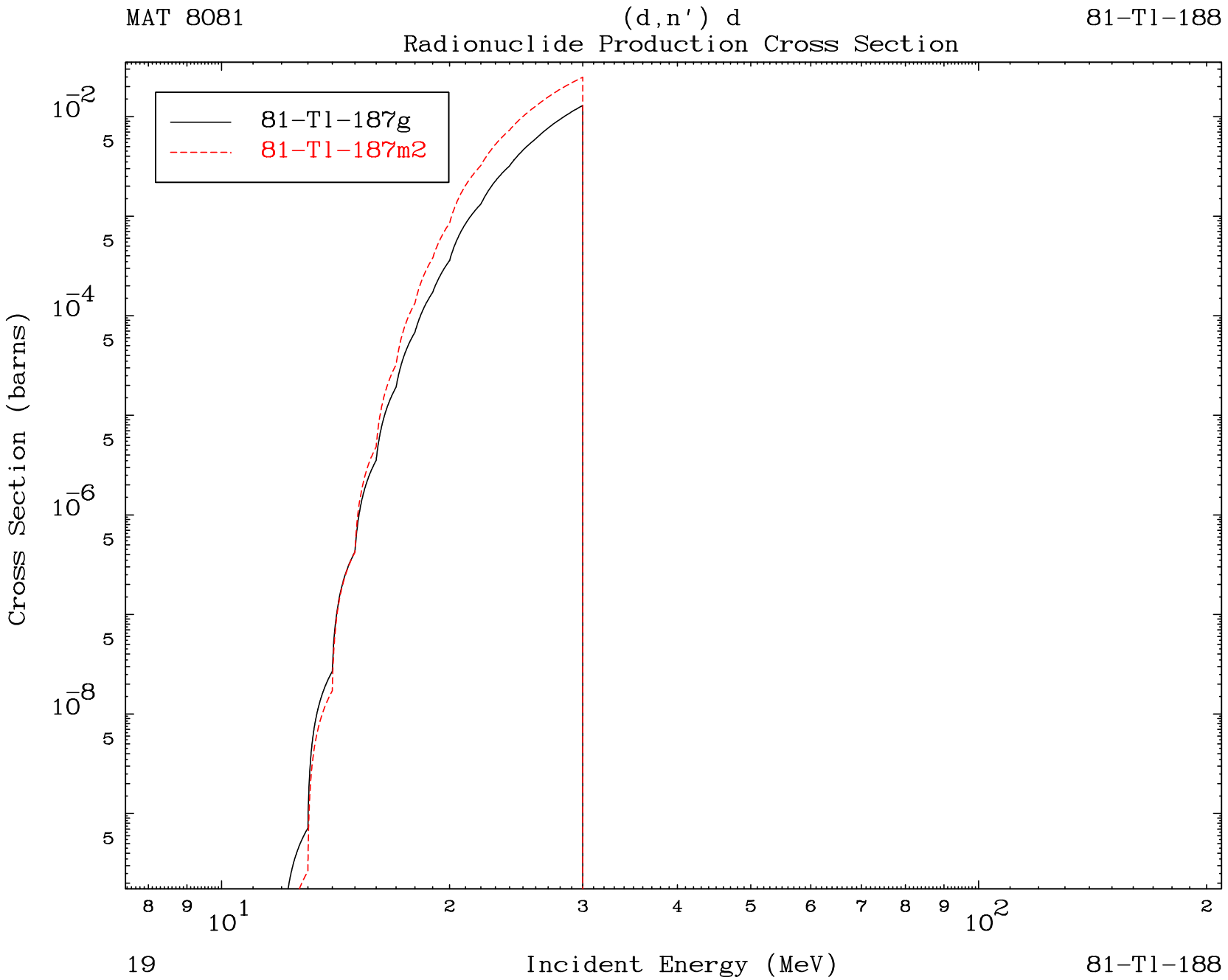

MAT 8081
(d,2n) d
81-Tl-188
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
14
Incident Energy (MeV)
81-Tl-188

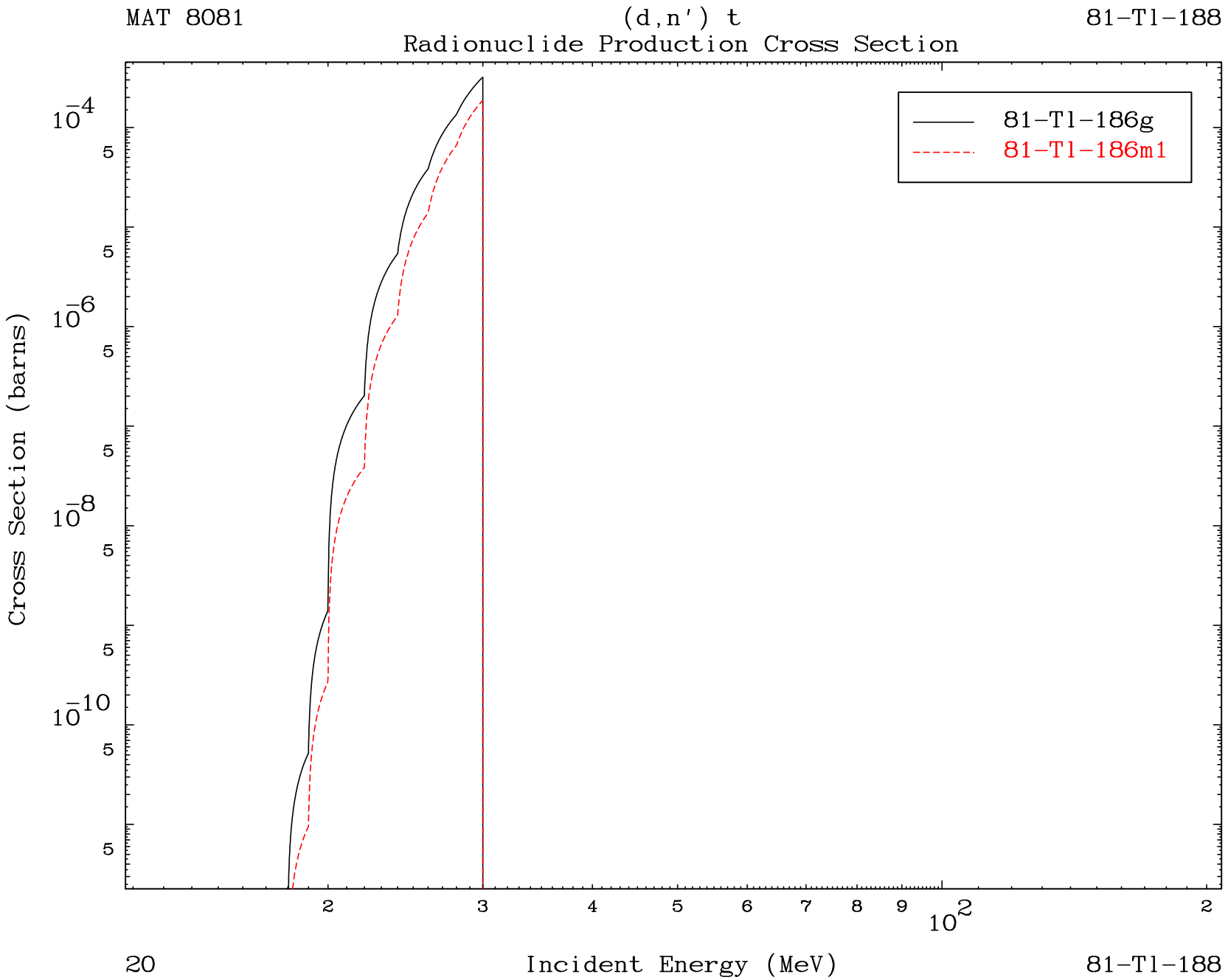

MAT 8081
(d,3n)
81-Tl-188
Radionuclide Production Cross Section
82-Pb-187g
82-Pb-187m1
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
81-Tl-188

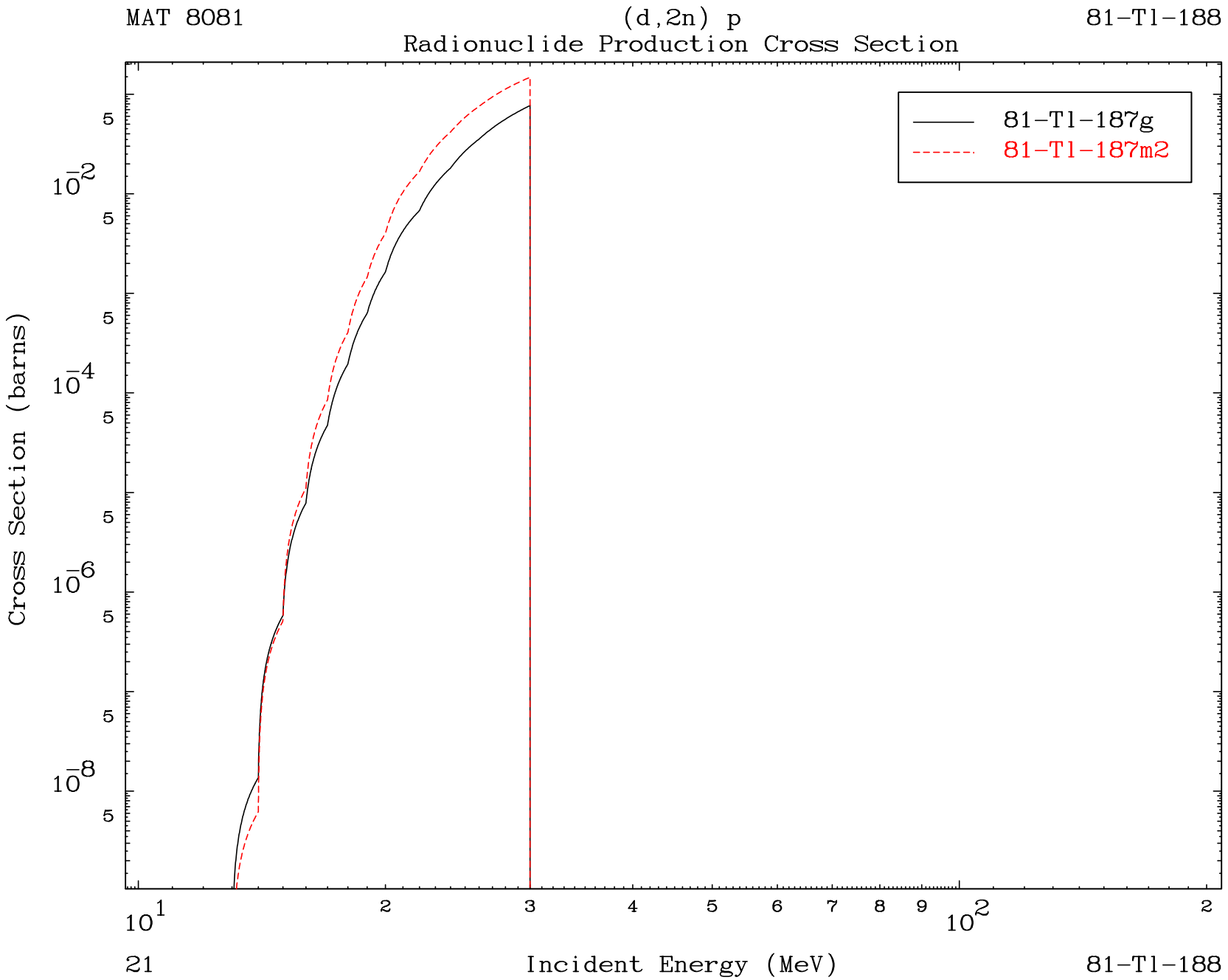

MAT 8081
Deuteron Fission
81-Tl-188
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
16
81-Tl-188

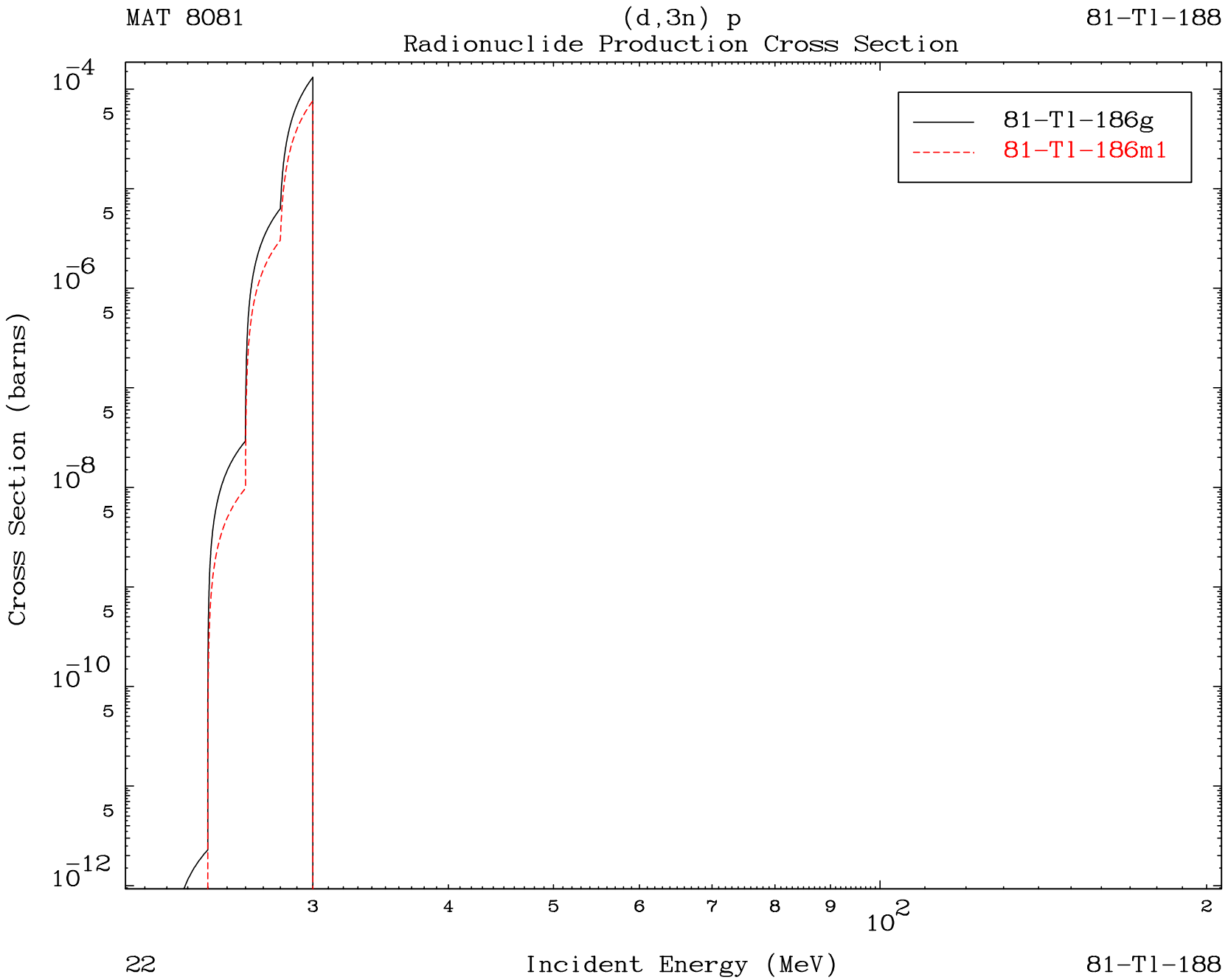

MAT 8081
(d,n') α
81-Tl-188
Radionuclide Production Cross Section
80-Hg-185g
80-Hg-185m4
Cross Section (barns)
Incident Energy (MeV)
17
81-Tl-188

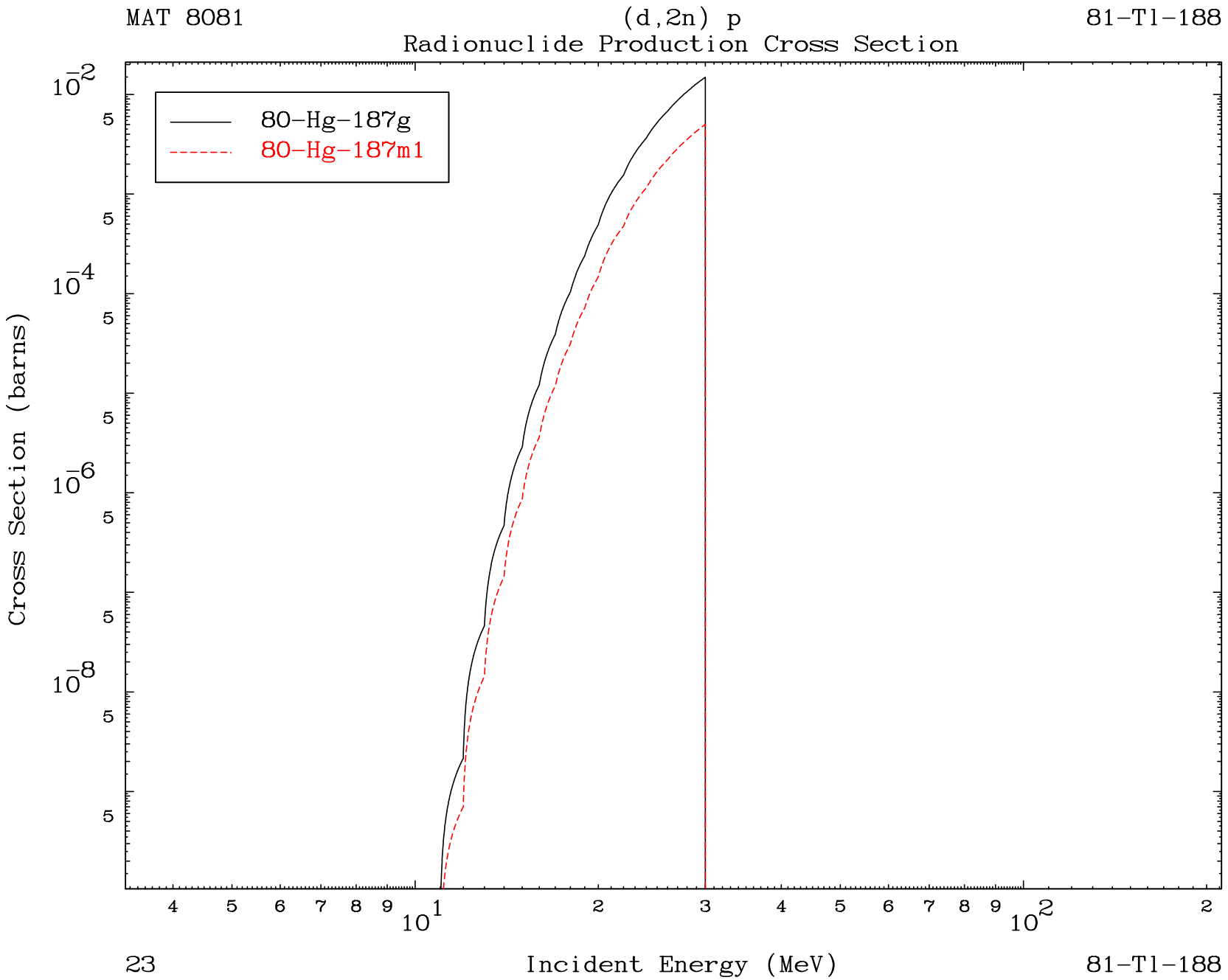

MAT 8081
(d,n') p
81-Tl-188
Radionuclide Production Cross Section
81-Tl-188g
81-Tl-188m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10 1
10 2
18
Incident Energy (MeV)
81-Tl-188

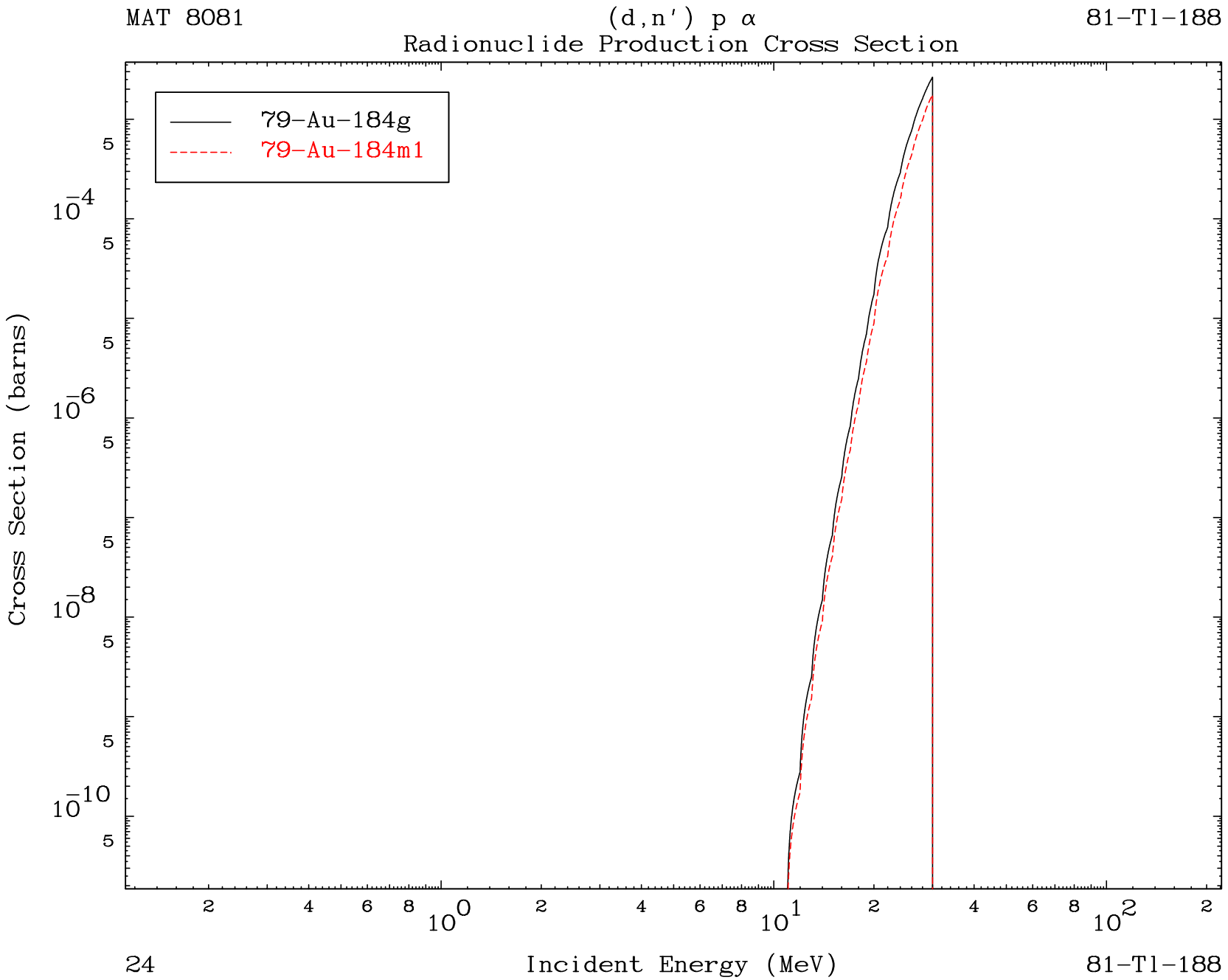

MAT 8081
(d,n') d
81-Tl-188
Radionuclide Production Cross Section
81-Tl-187g
81-Tl-187m2
Cross Section (barns)
Incident Energy (MeV)
19
81-Tl-188

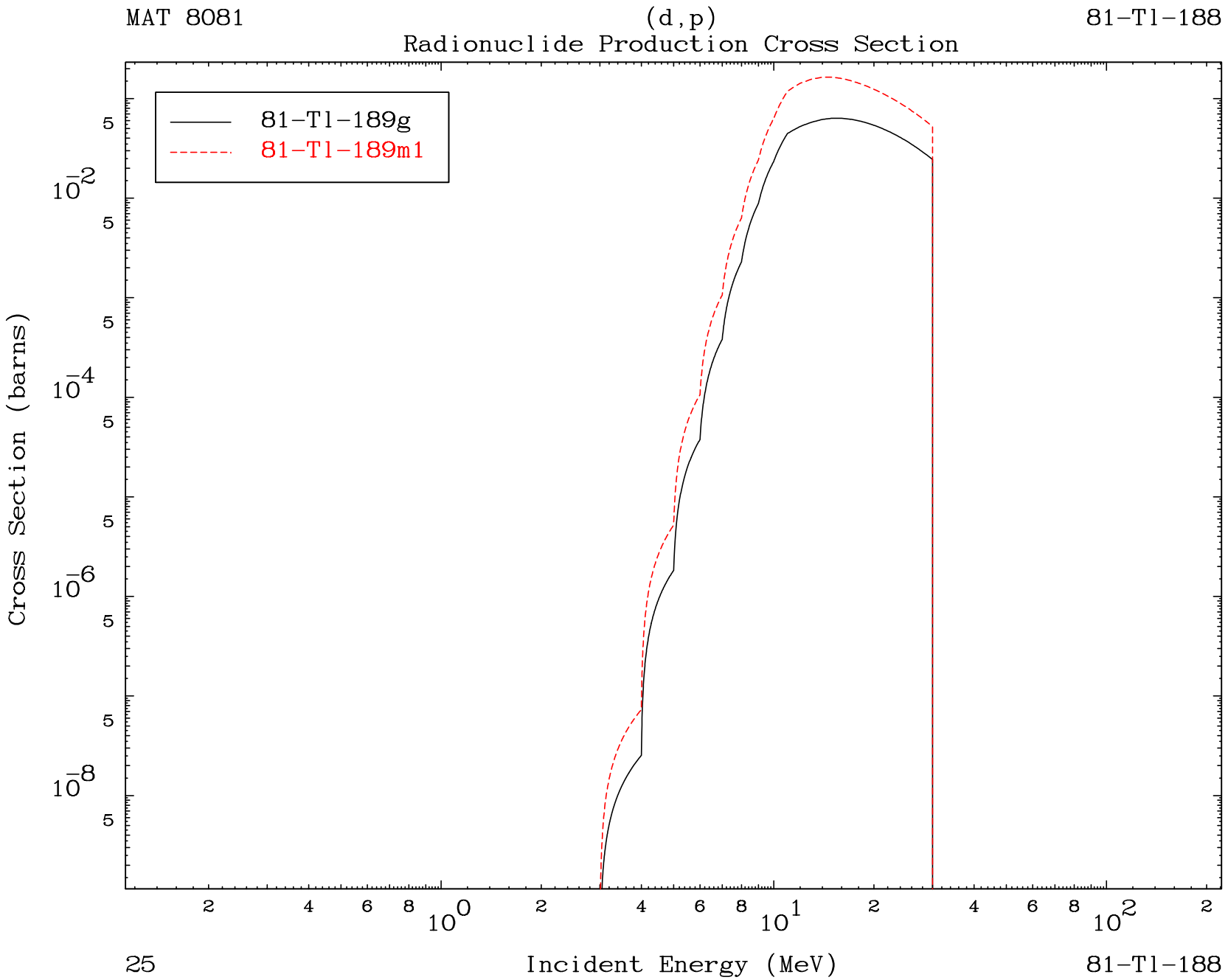

MAT 8081
(d,n') t
81-Tl-188
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
81-Tl-188

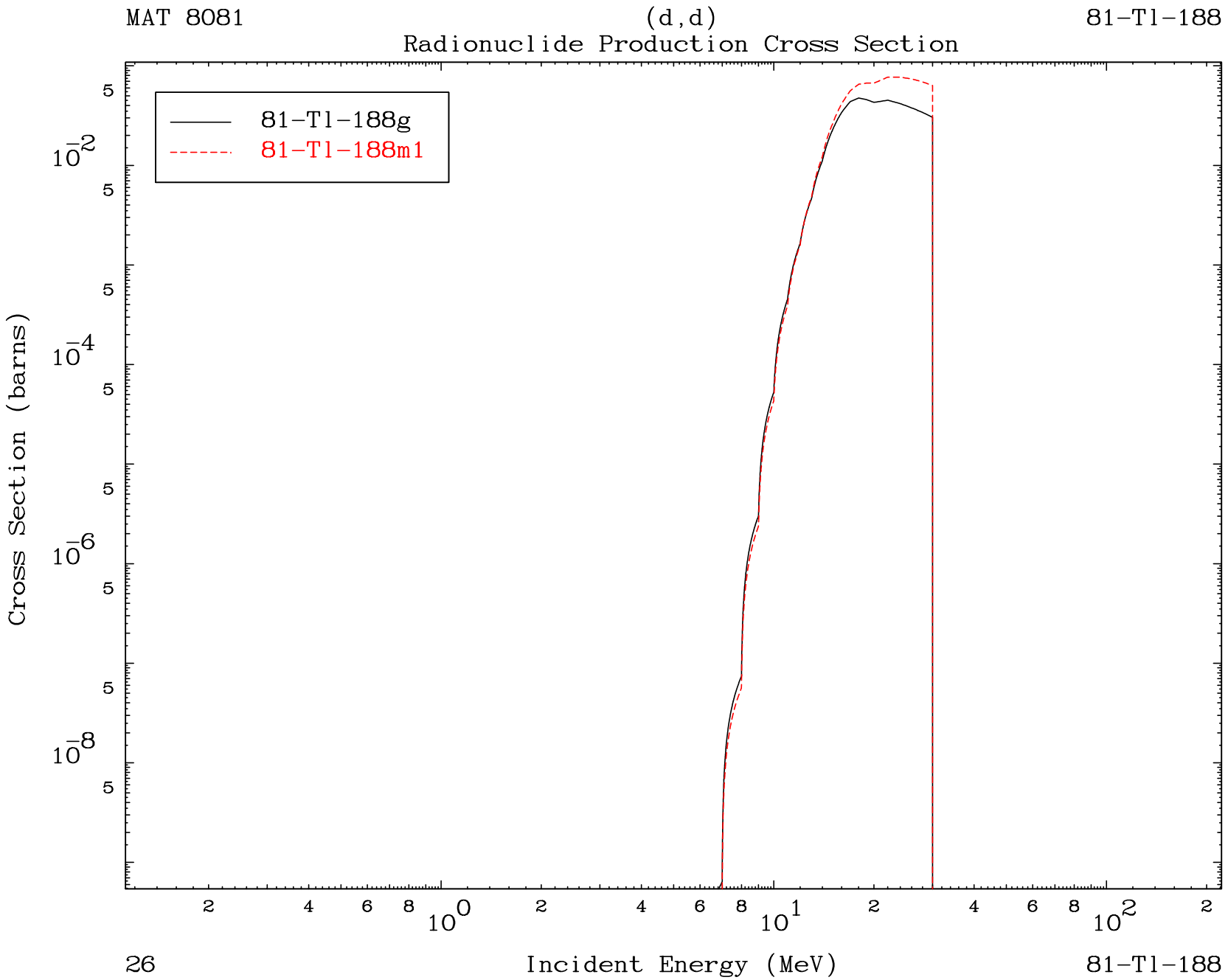

MAT 8081
(d,2n) p
81-Tl-188
Radionuclide Production Cross Section
81-Tl-187g
81-Tl-187m2
Cross Section (barns)
Incident Energy (MeV)
21
81-Tl-188

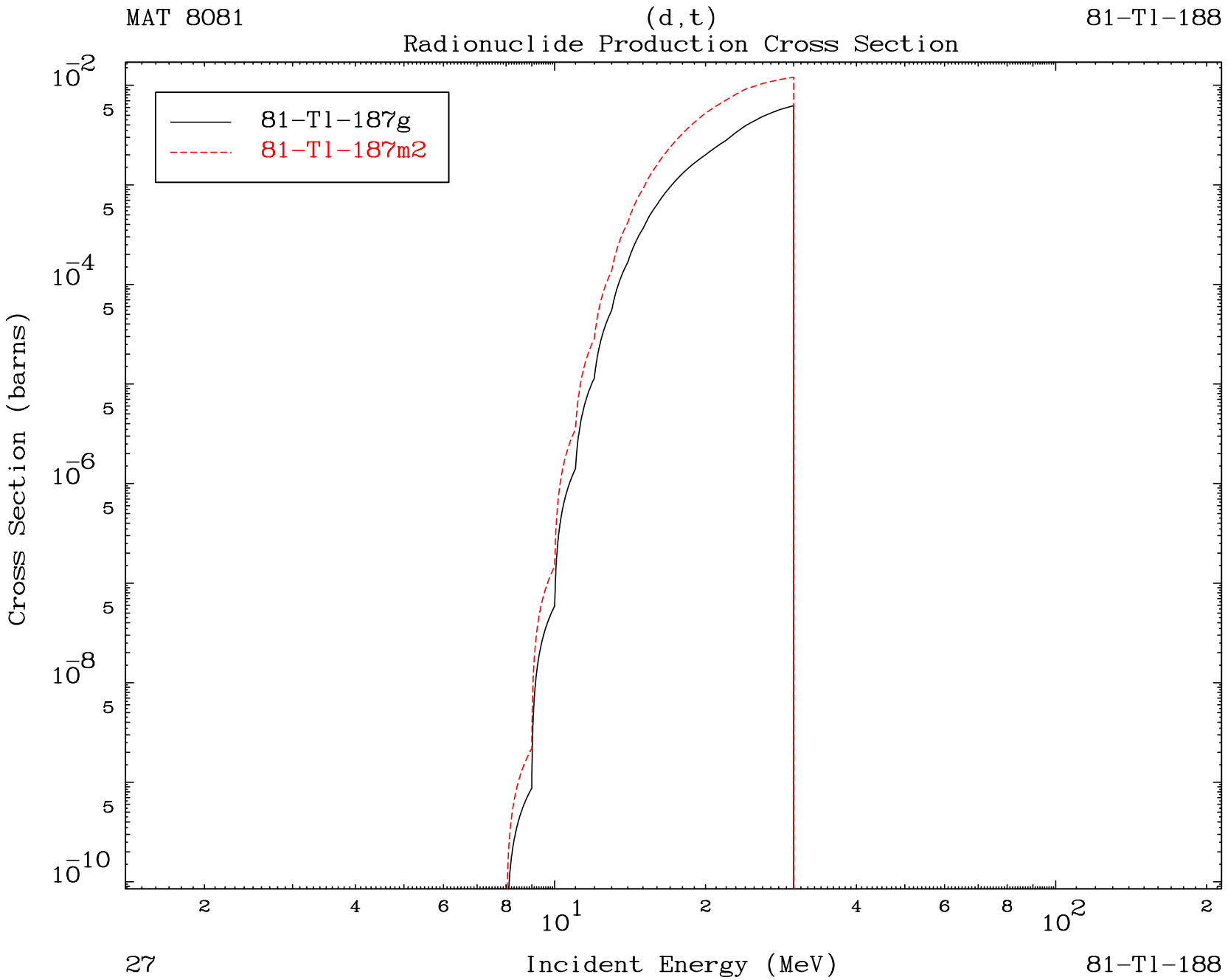

MAT 8081
(d,3n) p
81-Tl-188
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
81-Tl-188

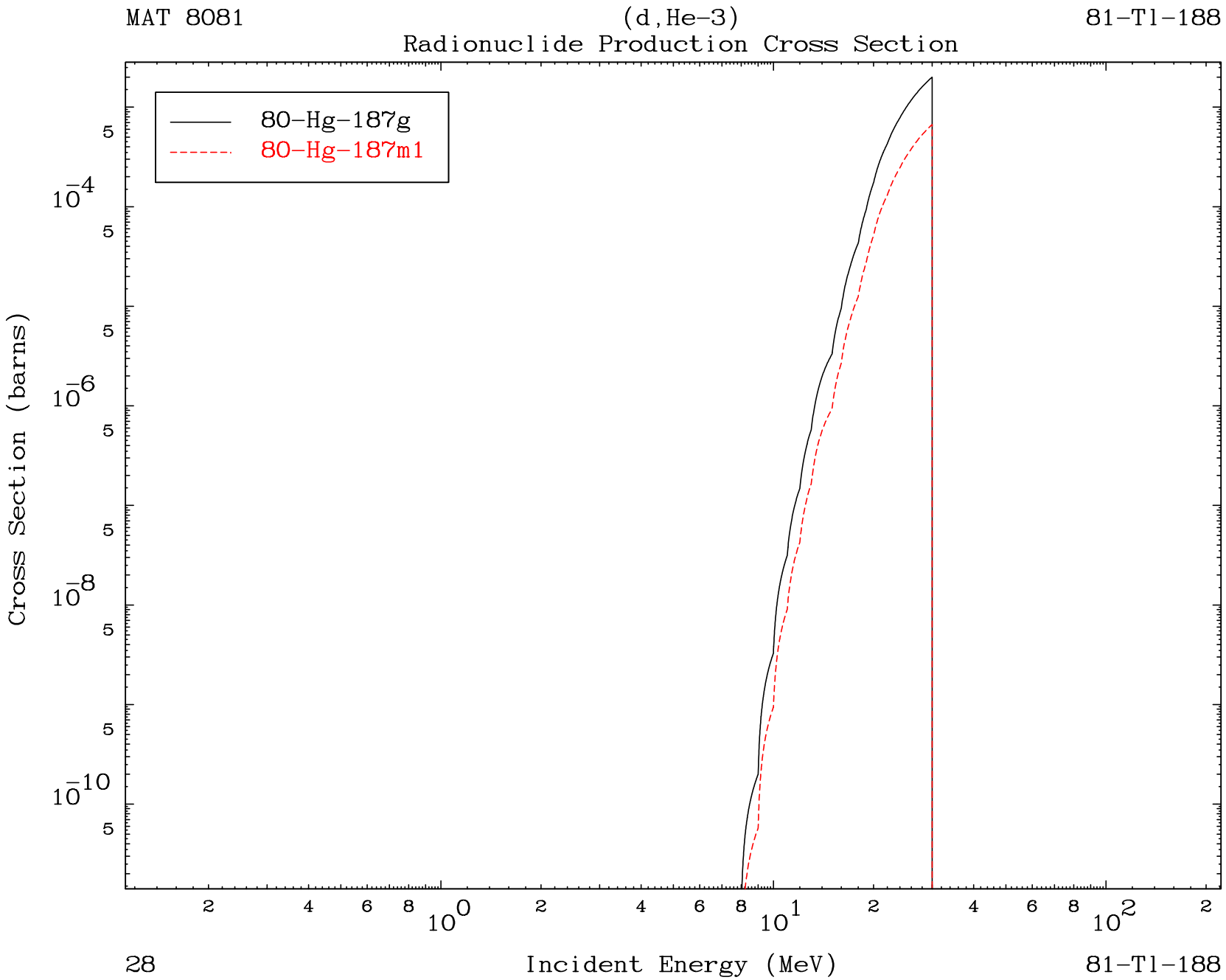

MAT 8081
(d,2n) p
81-Tl-188
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
Incident Energy (MeV)
23
81-Tl-188

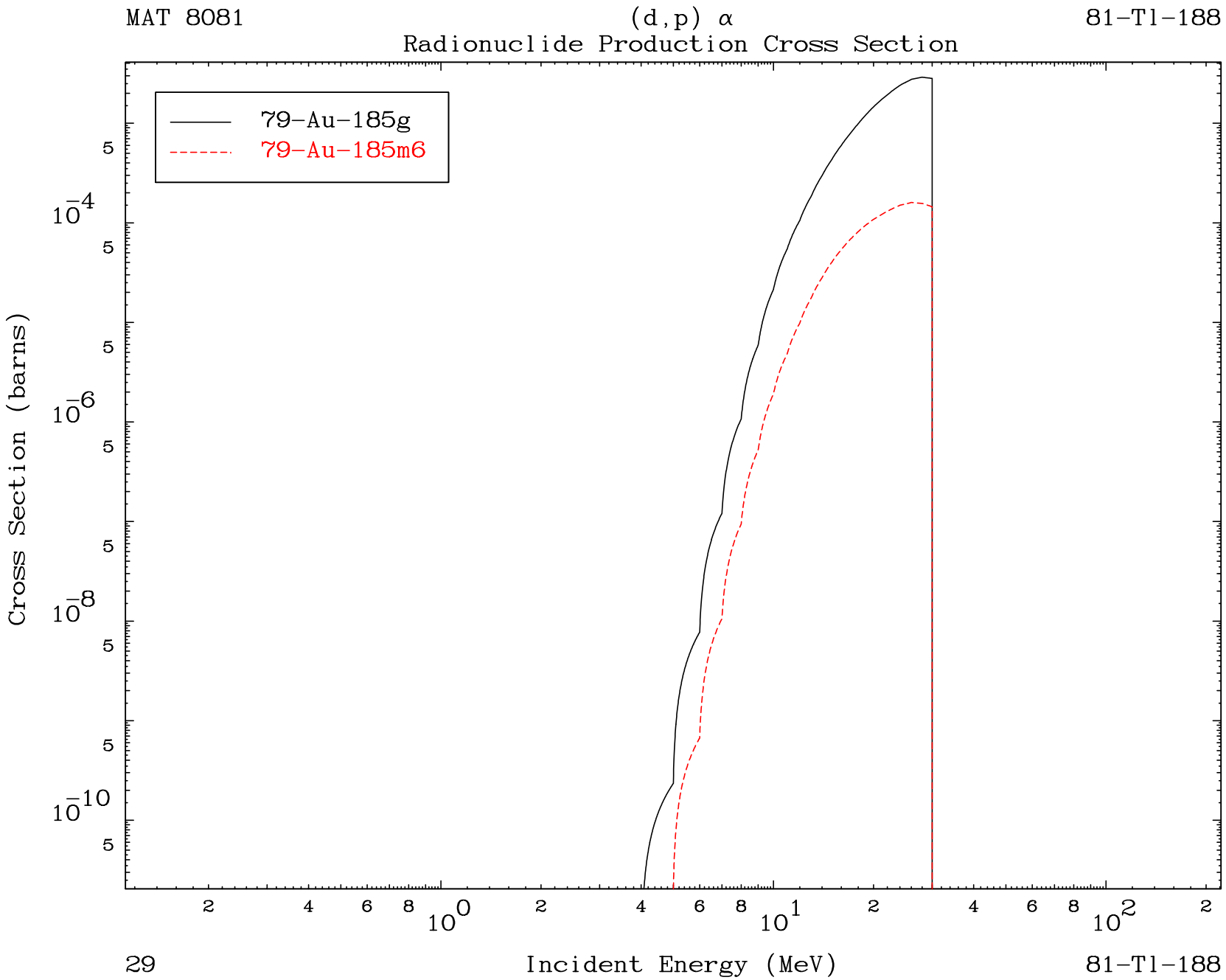

MAT 8081
(d,n') p α
81-Tl-188
Radionuclide Production Cross Section
79-Au-184g
79-Au-184m1
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
24
81-Tl-188

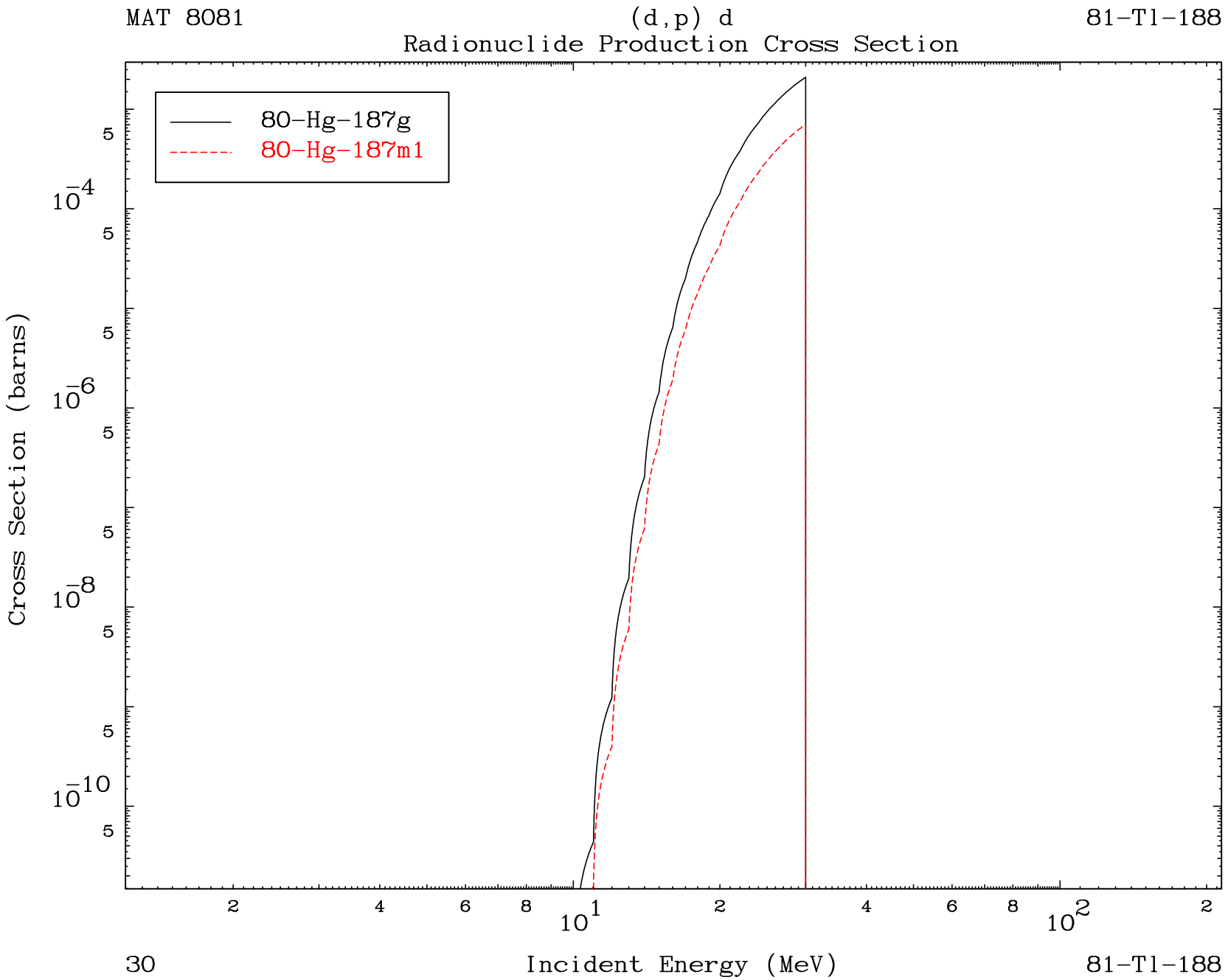

MAT 8081
(d,p)
81-Tl-188
Radionuclide Production Cross Section
81-Tl-189g
81-Tl-189m1
Cross Section (barns)
Incident Energy (MeV)
25
81-Tl-188

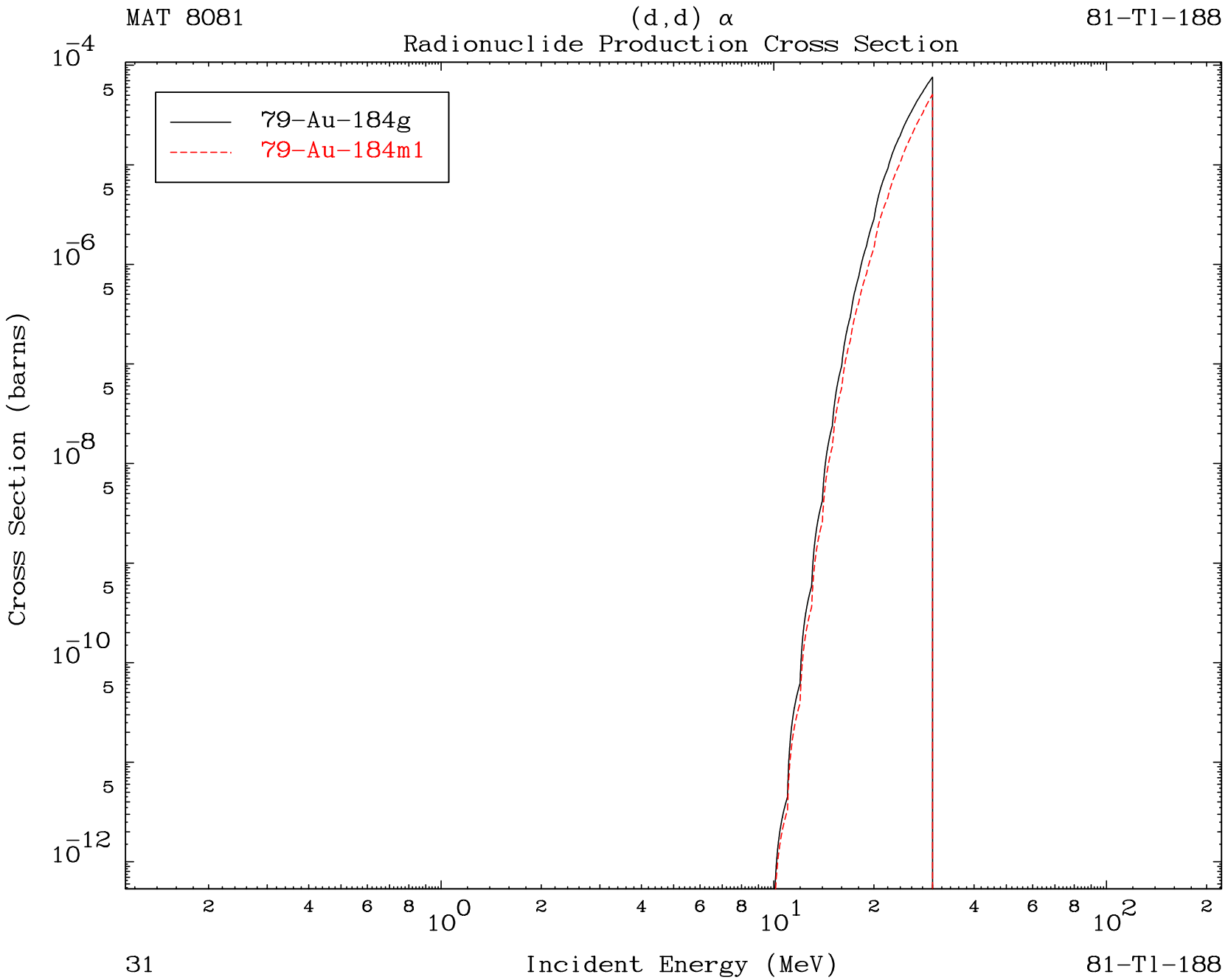

MAT 8081
(d,d)
81-Tl-188
Radionuclide Production Cross Section
81-Tl-188g
81-Tl-188m1
Cross Section (barns)
Incident Energy (MeV)
26
81-Tl-188


MAT 8081
(d,t)
81-Tl-188
Radionuclide Production Cross Section
81-Tl-187g
81-Tl-187m2
Cross Section (barns)
Incident Energy (MeV)
27
81-Tl-188


MAT 8081
(d,He-3)
81-Tl-188
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
Incident Energy (MeV)
28
81-Tl-188


MAT 8081
(d,p) α
81-Tl-188
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
29
81-Tl-188


MAT 8081
(d,p) d
81-Tl-188
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
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
30
Incident Energy (MeV)
81-Tl-188


MAT 8081
(d,d) α
81-Tl-188
Radionuclide Production Cross Section
79-Au-184g
79-Au-184m1
Cross Section (barns)
Incident Energy (MeV)
31
81-Tl-188