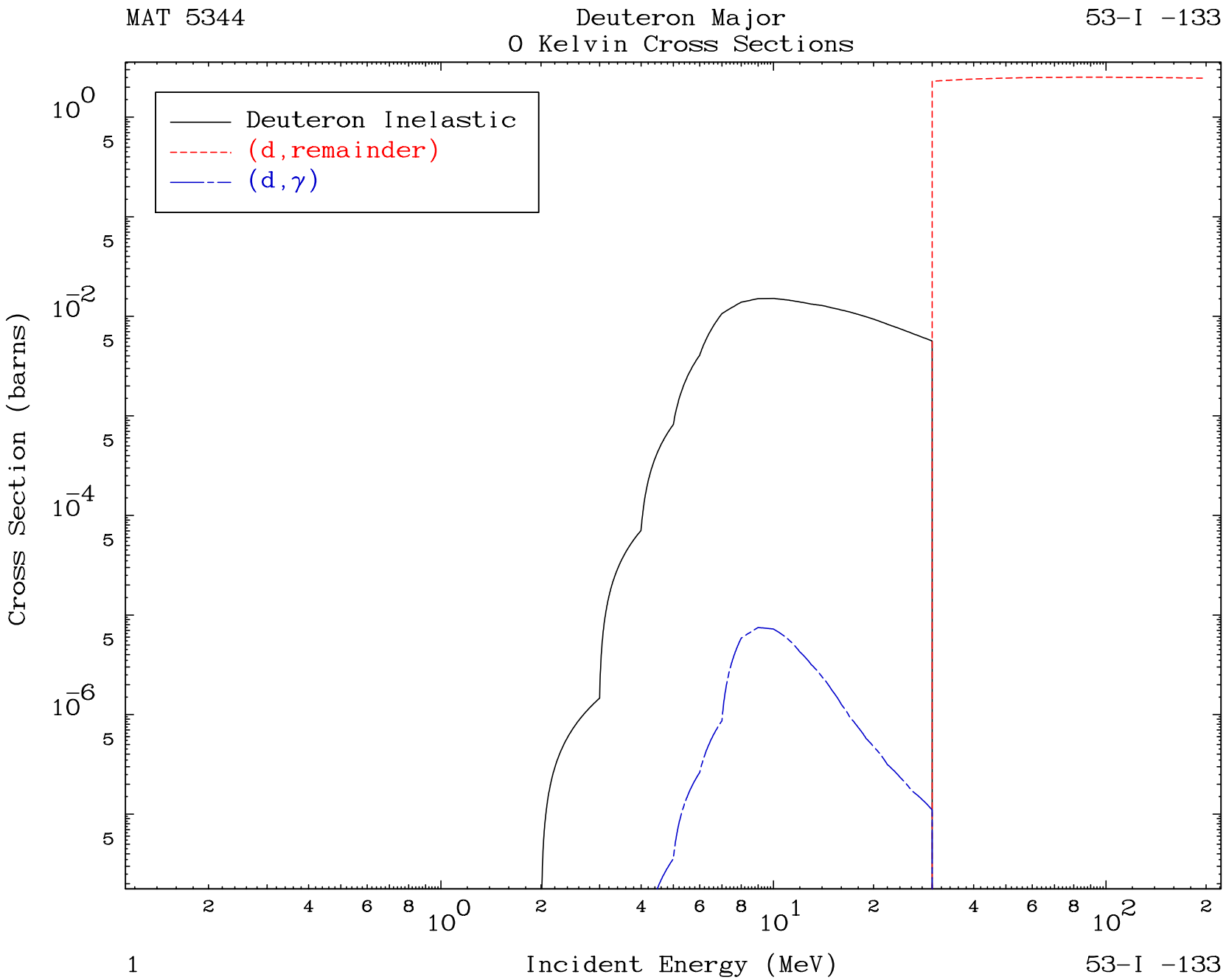
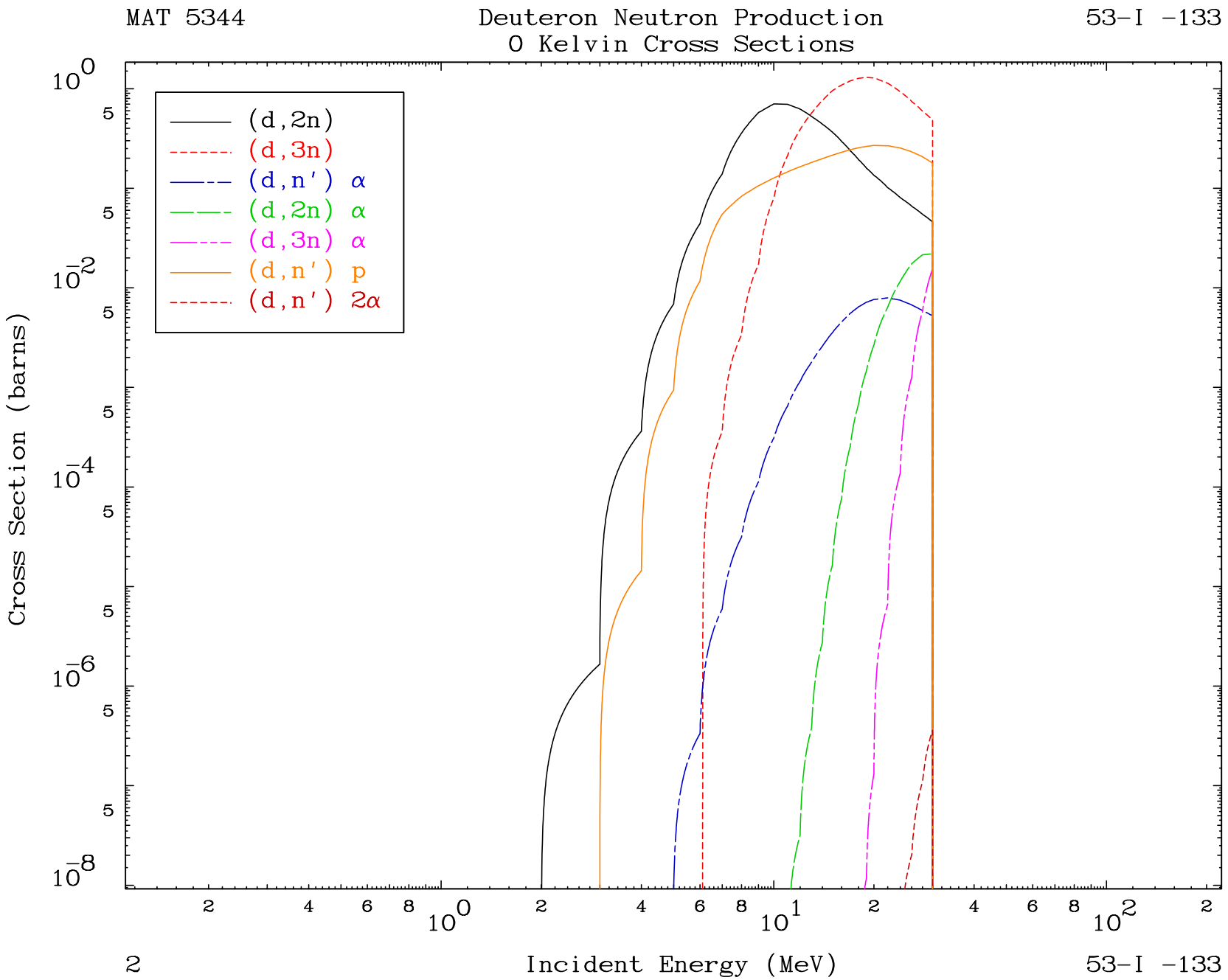
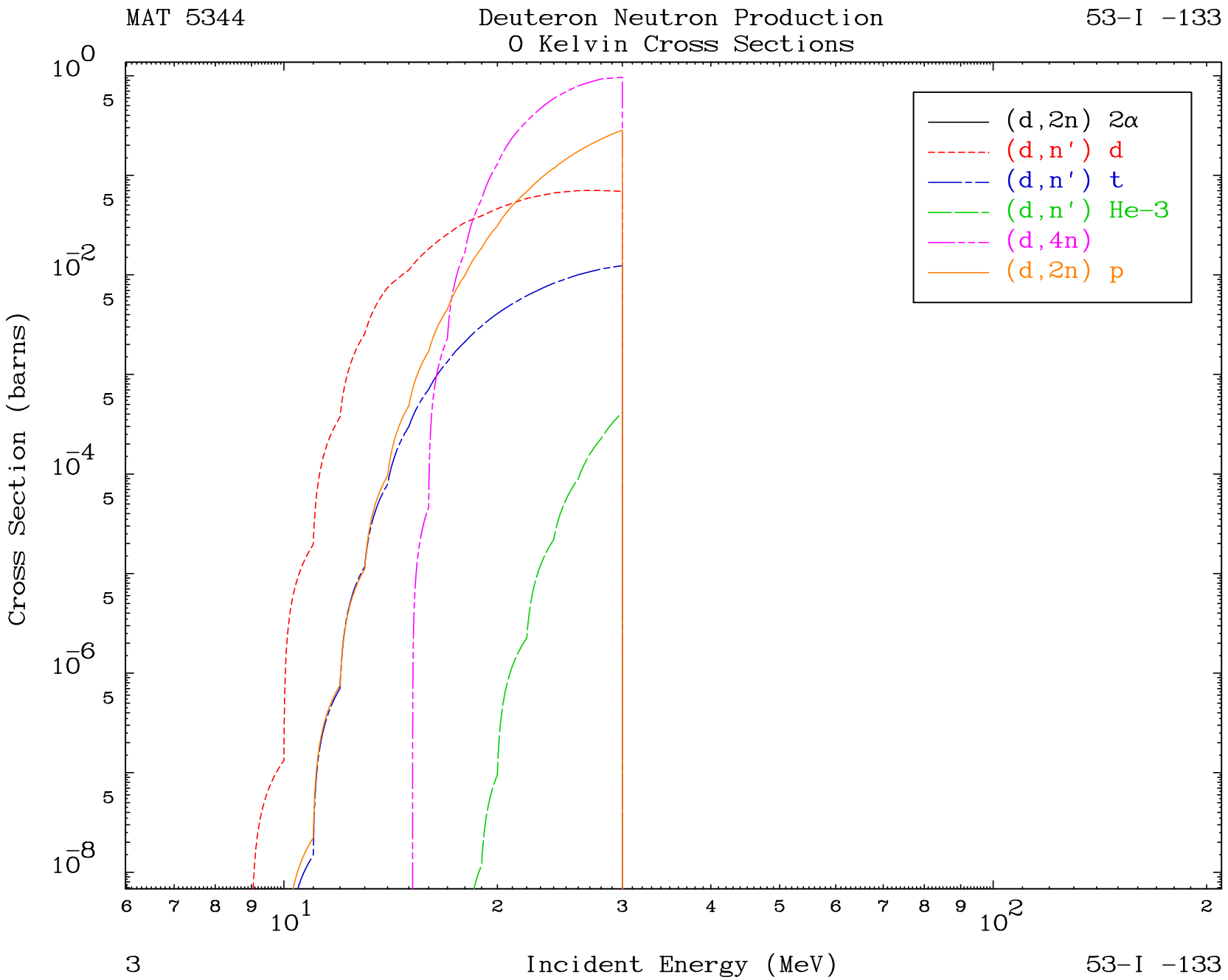
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

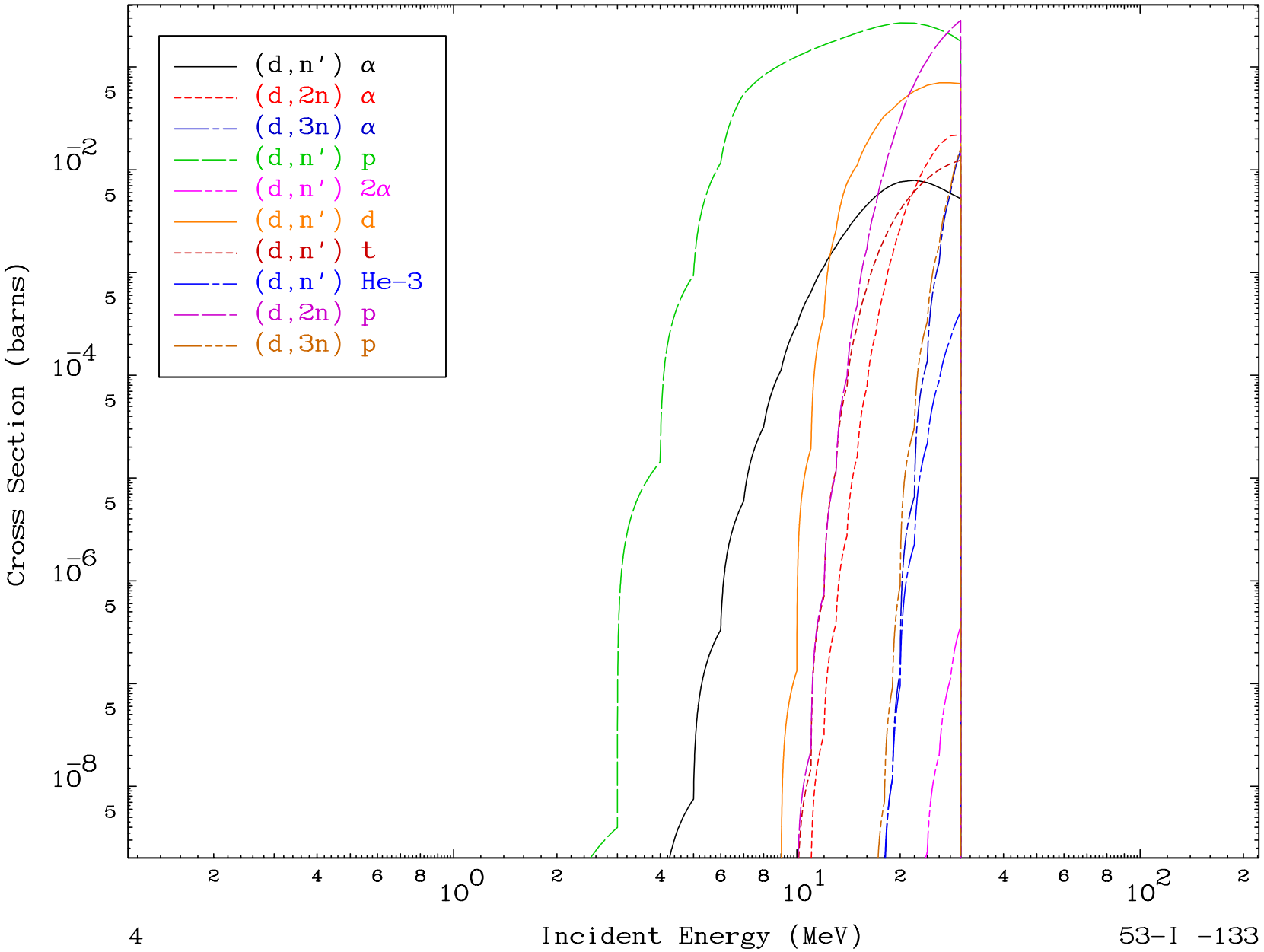
Press Mouse Button to Start

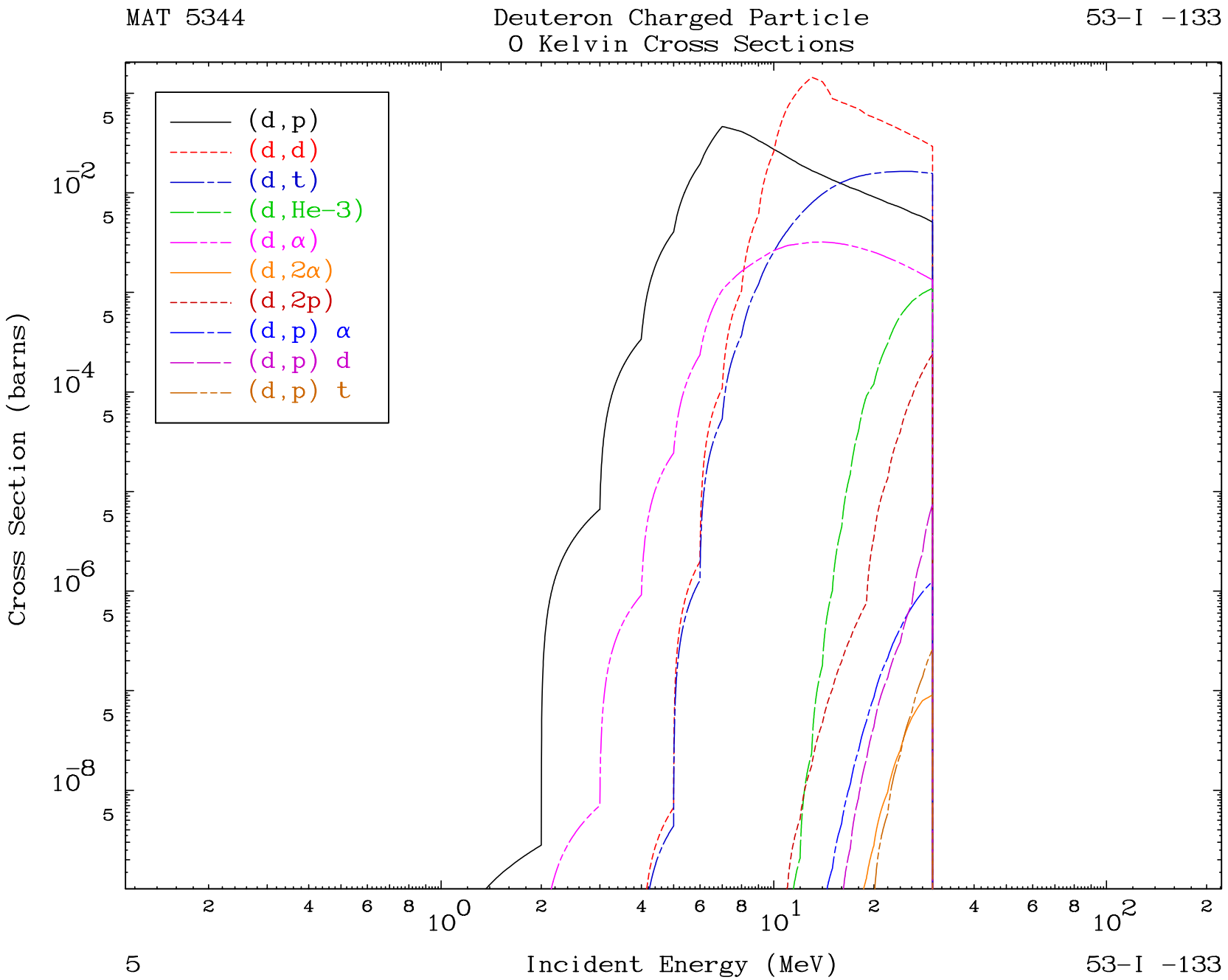

MAT 5344
Deuteron Major
53-I -133
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -133


MAT 5344
Deuteron Neutron Production
0 Kelvin Cross Sections
53-I -133
(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)
2
53-I -133

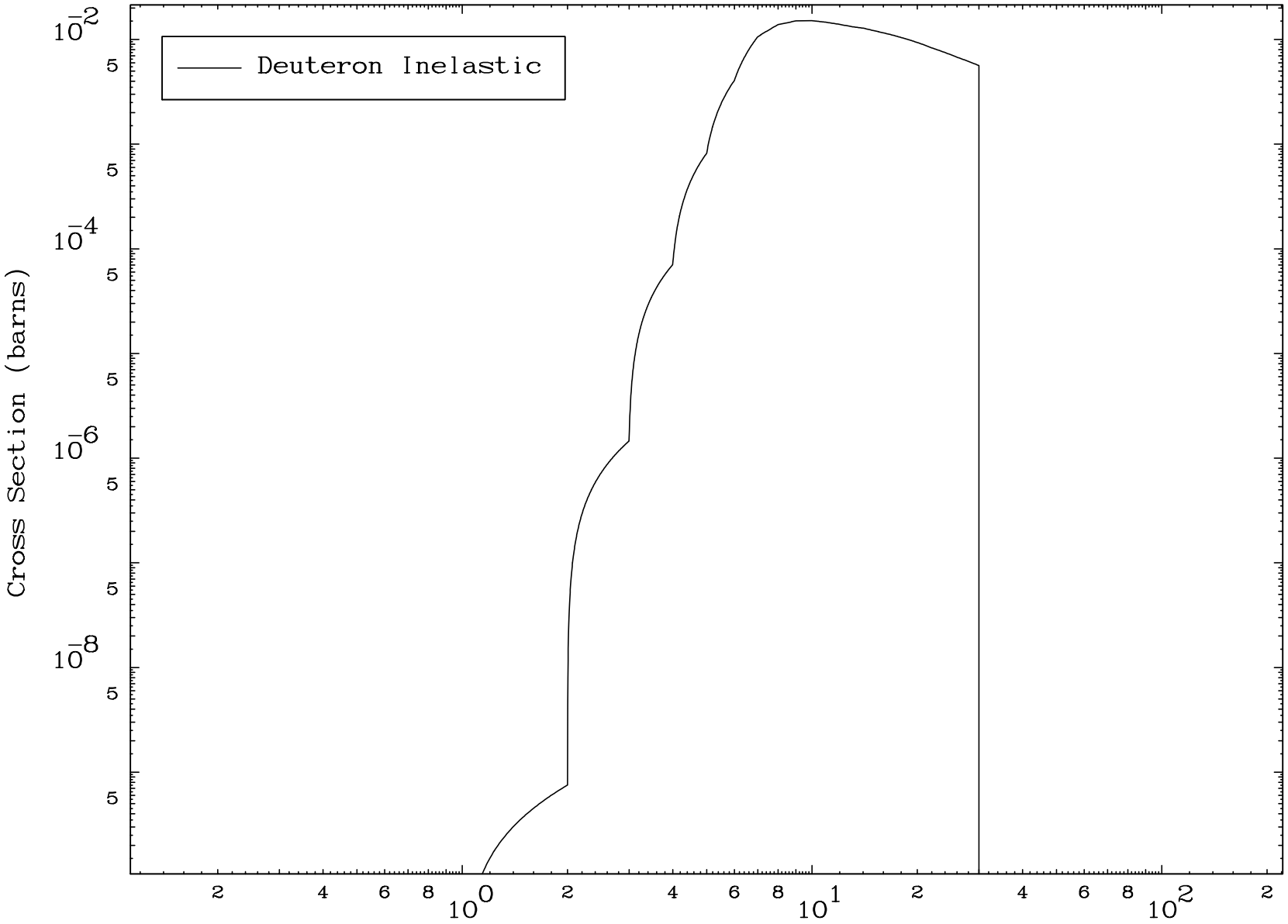

MAT 5344
Deuteron Neutron Production
0 Kelvin Cross Sections
53-I -133
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
Cross Section (barns)
Incident Energy (MeV)
53-I -133
3

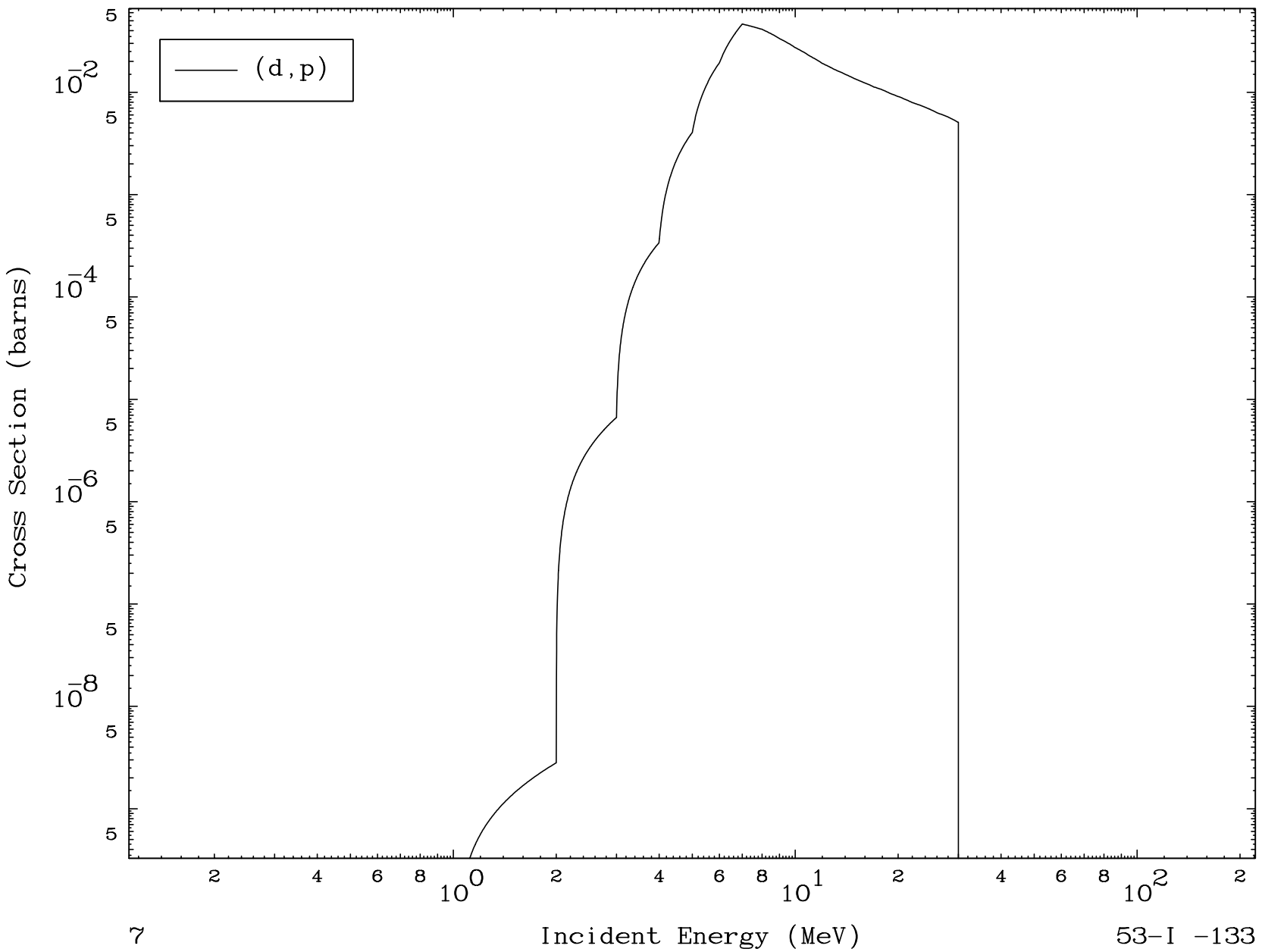
0 Kelvin Cross Sections

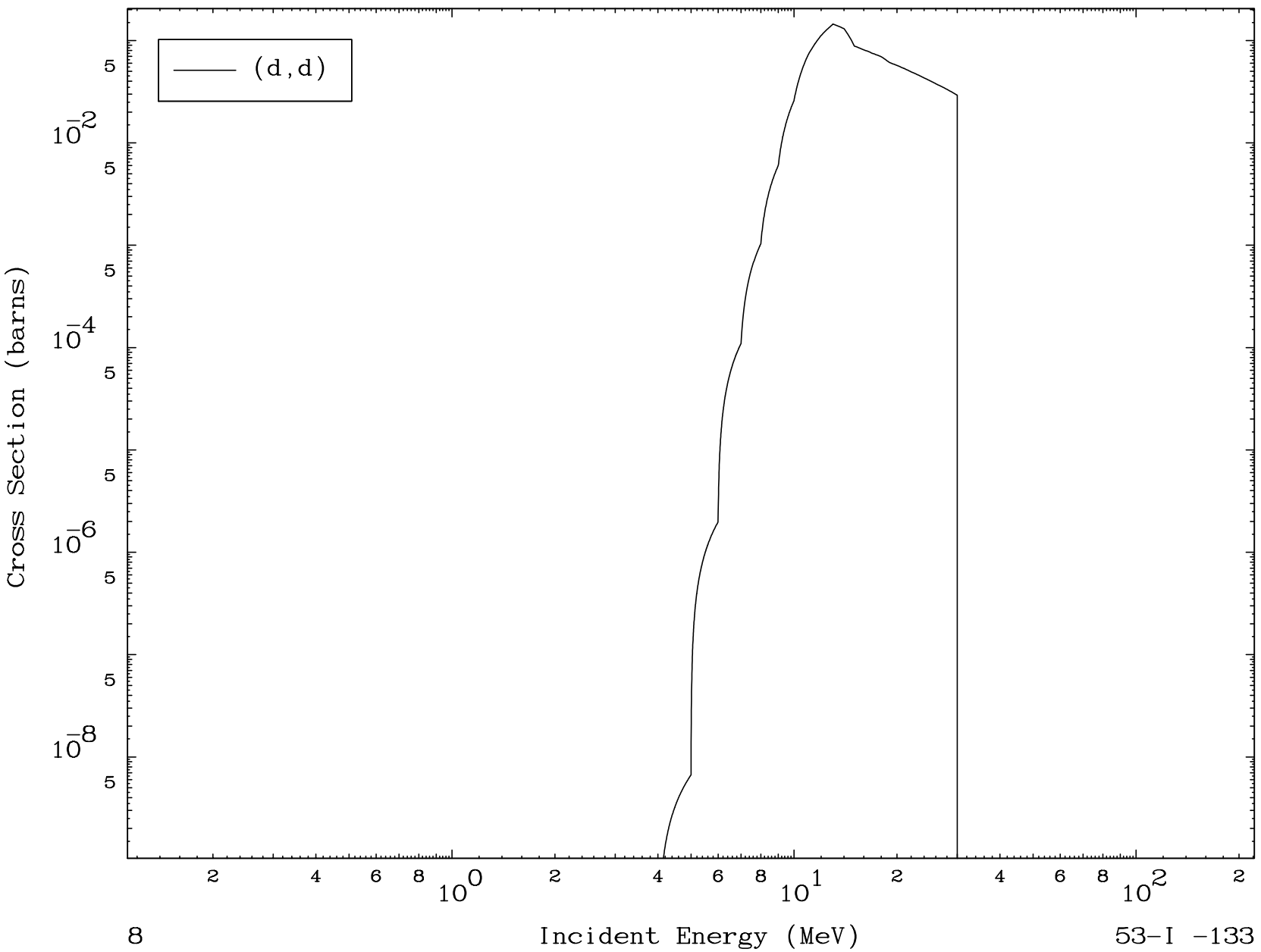


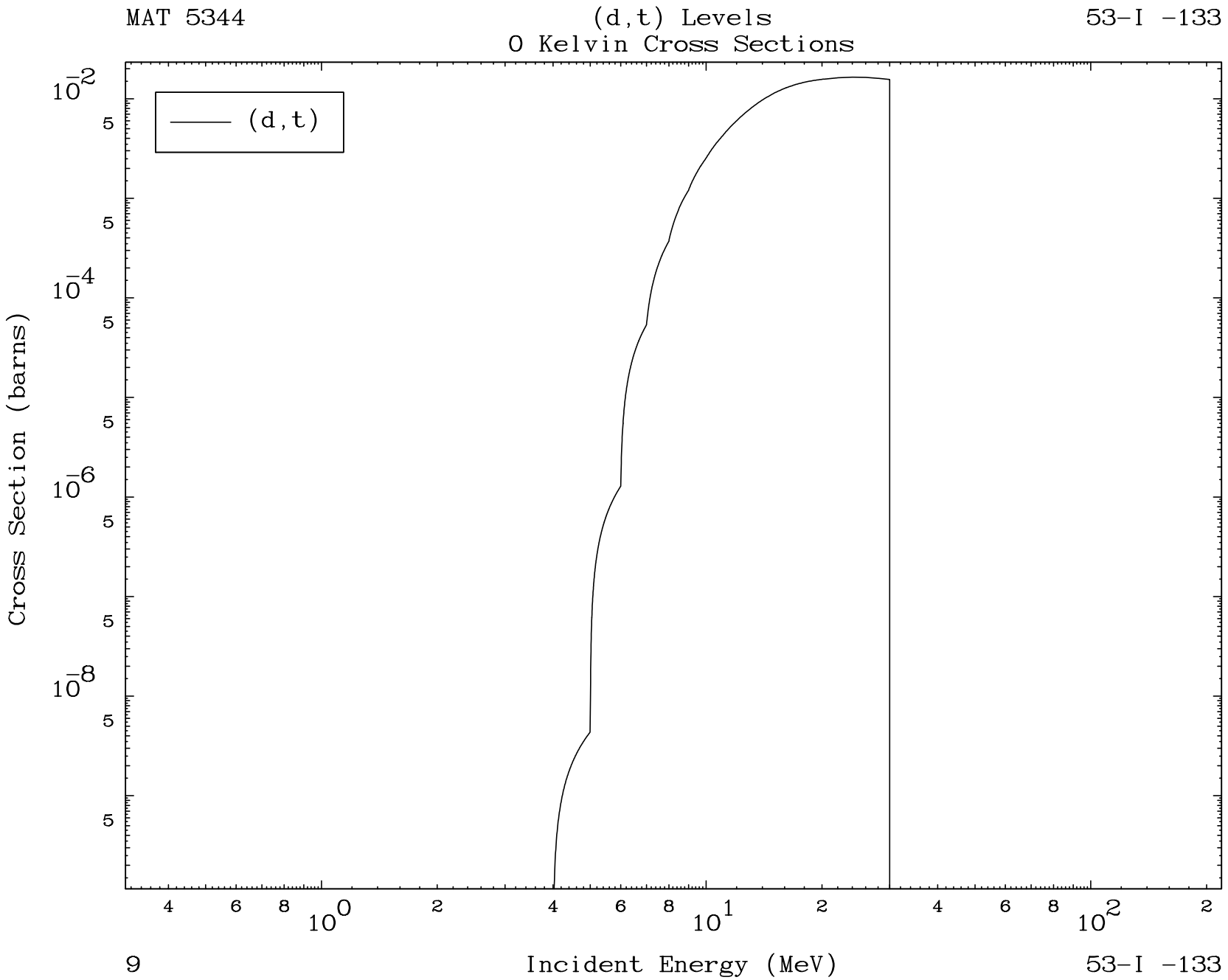

MAT 5344
Deuteron Charged Particle
0 Kelvin Cross Sections
53-I -133
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
(d,2α)
(d,2p)
(d,p) α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
5
53-I -133

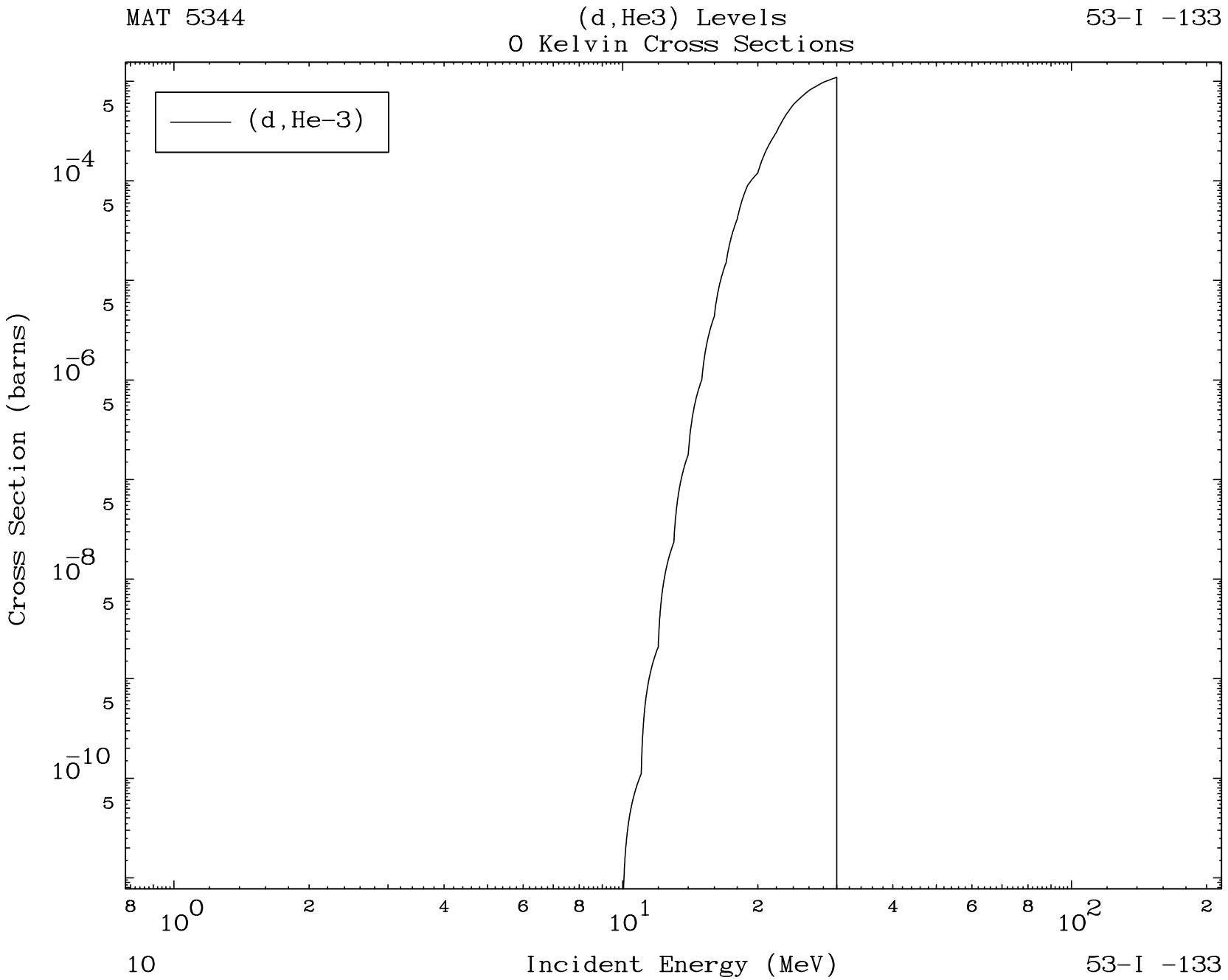
0 Kelvin Cross Sections



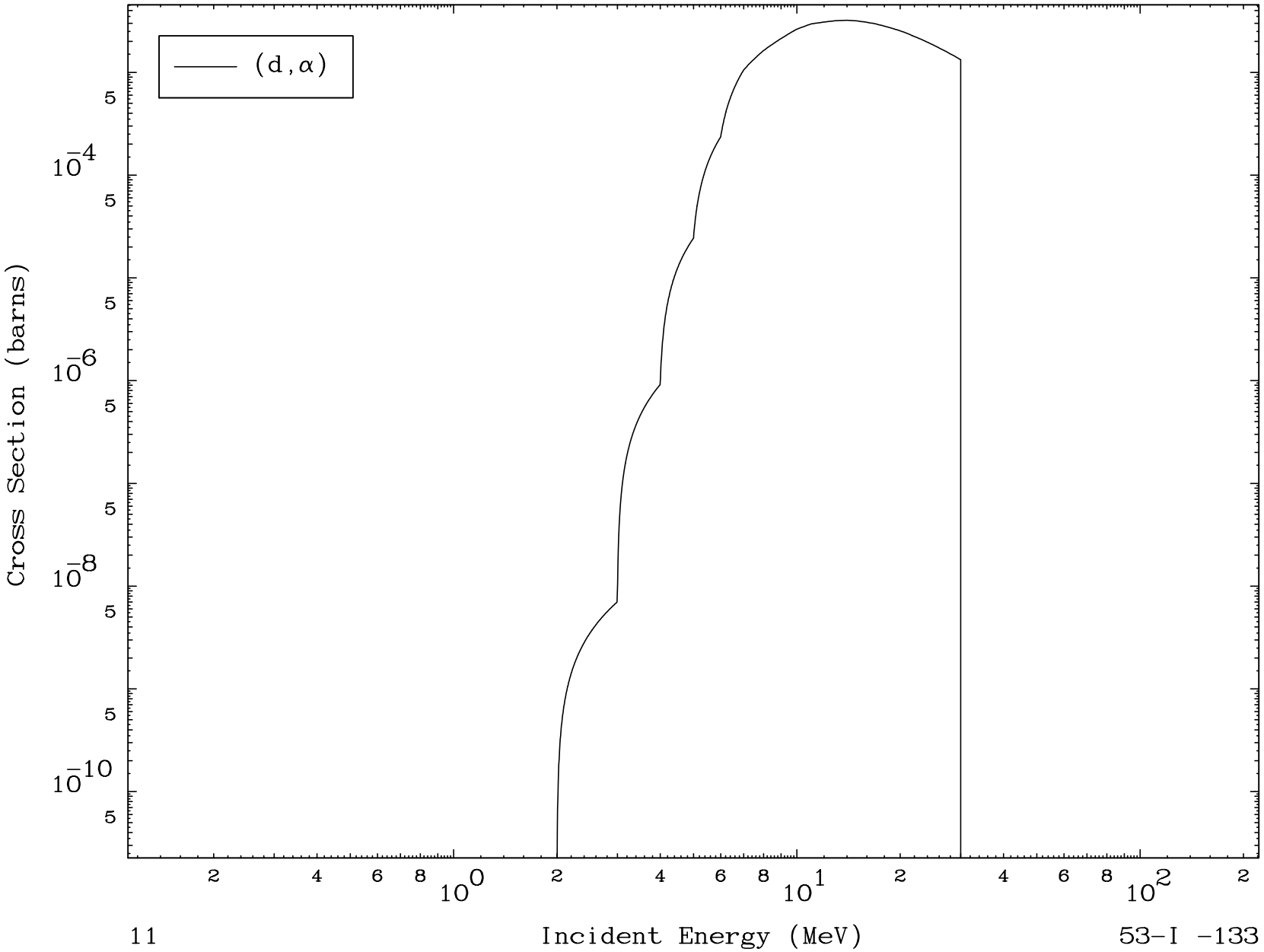

0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)

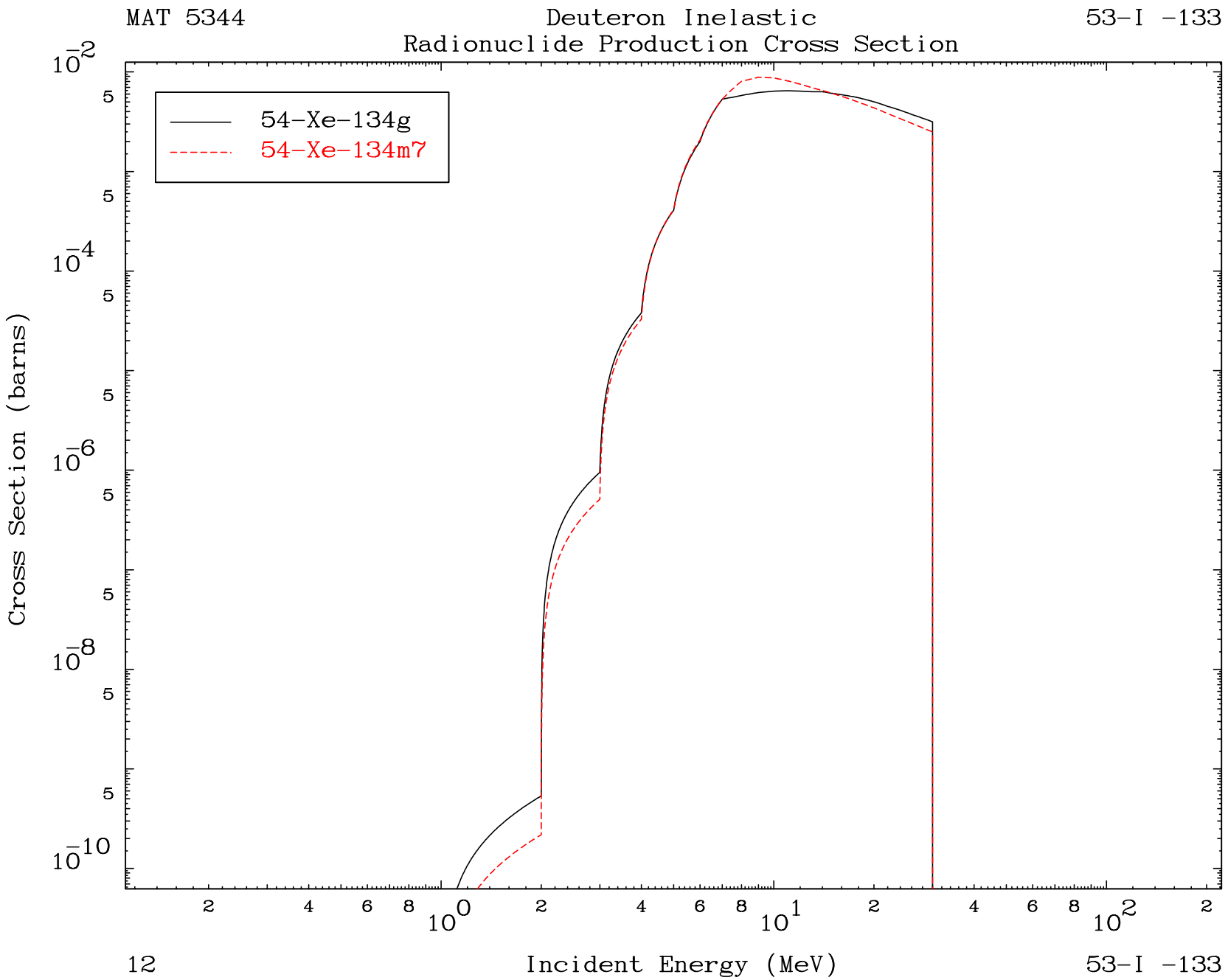

0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)

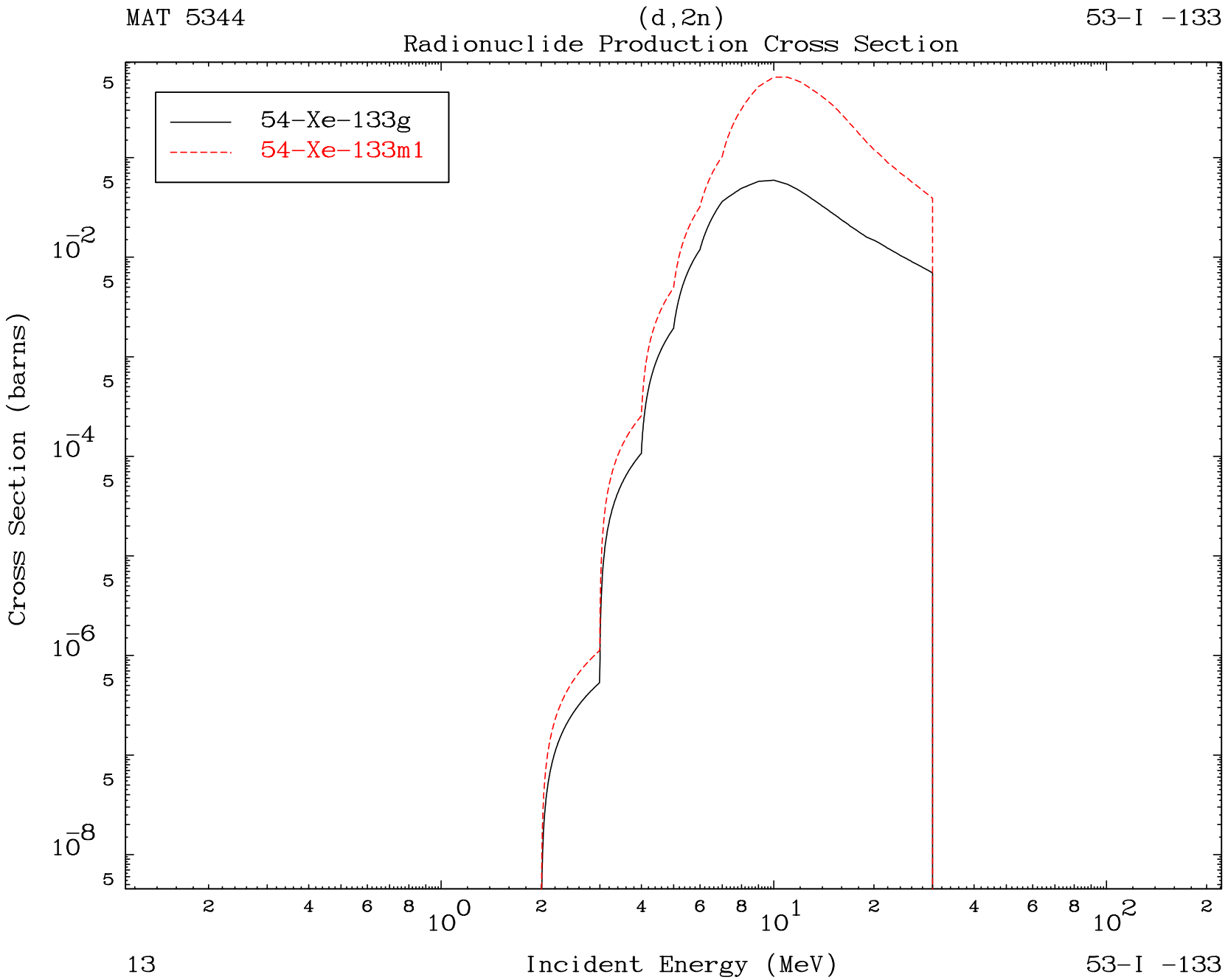

MAT 5344
(d,t) Levels
53-I -133
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
9
53-I -133

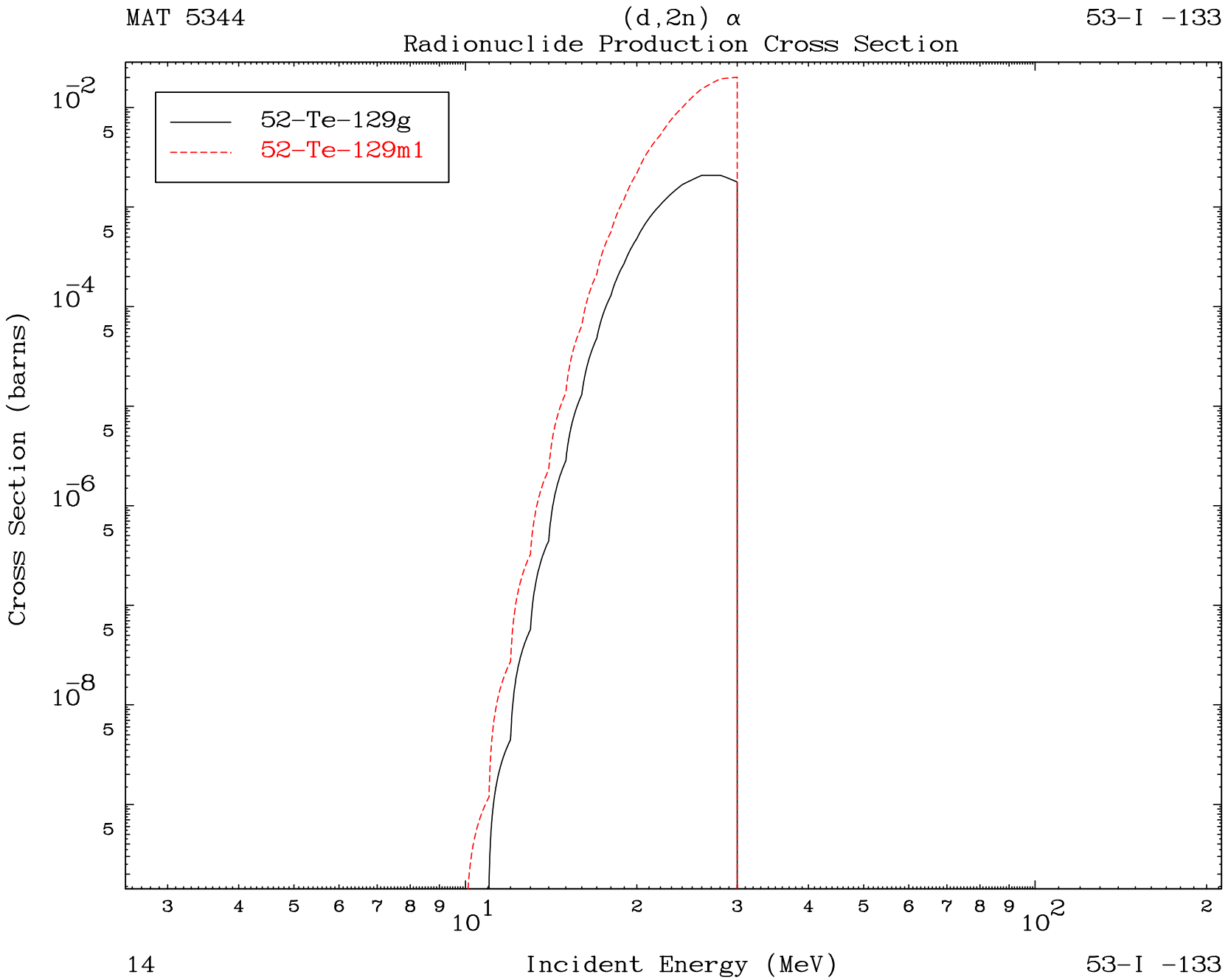

MAT 5344
(d,He3) Levels
53-I -133
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
53-I -133

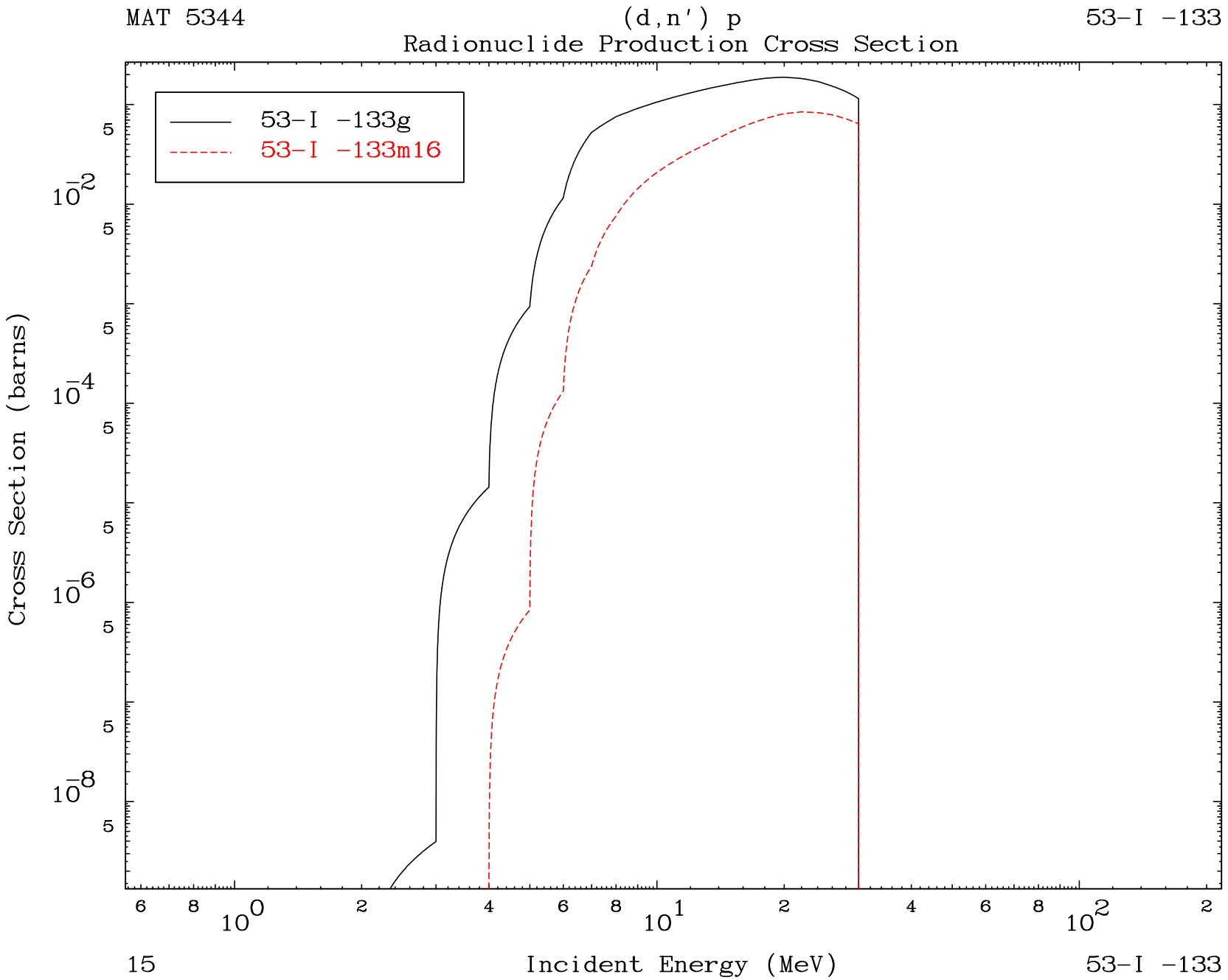
0 Kelvin Cross Sections

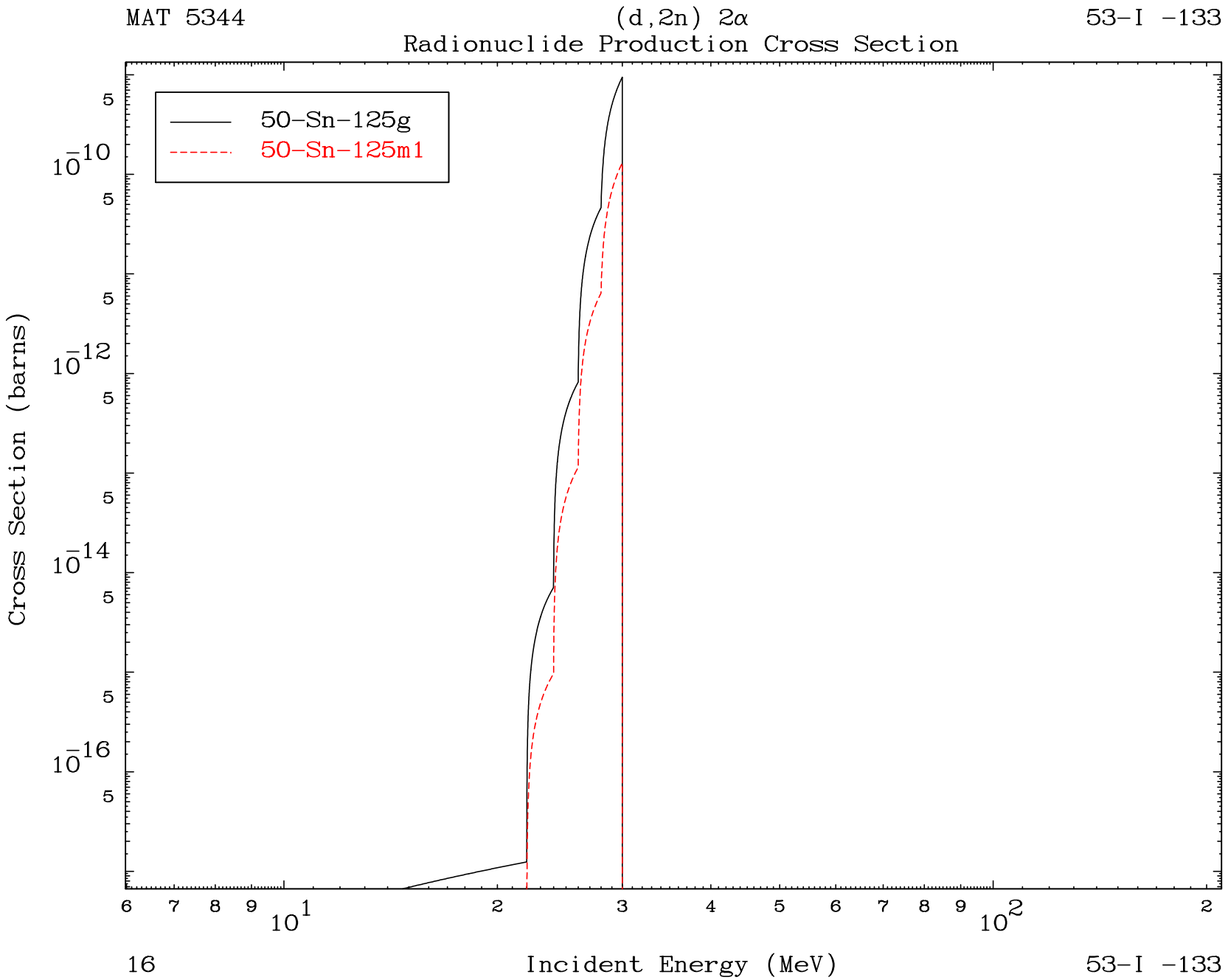


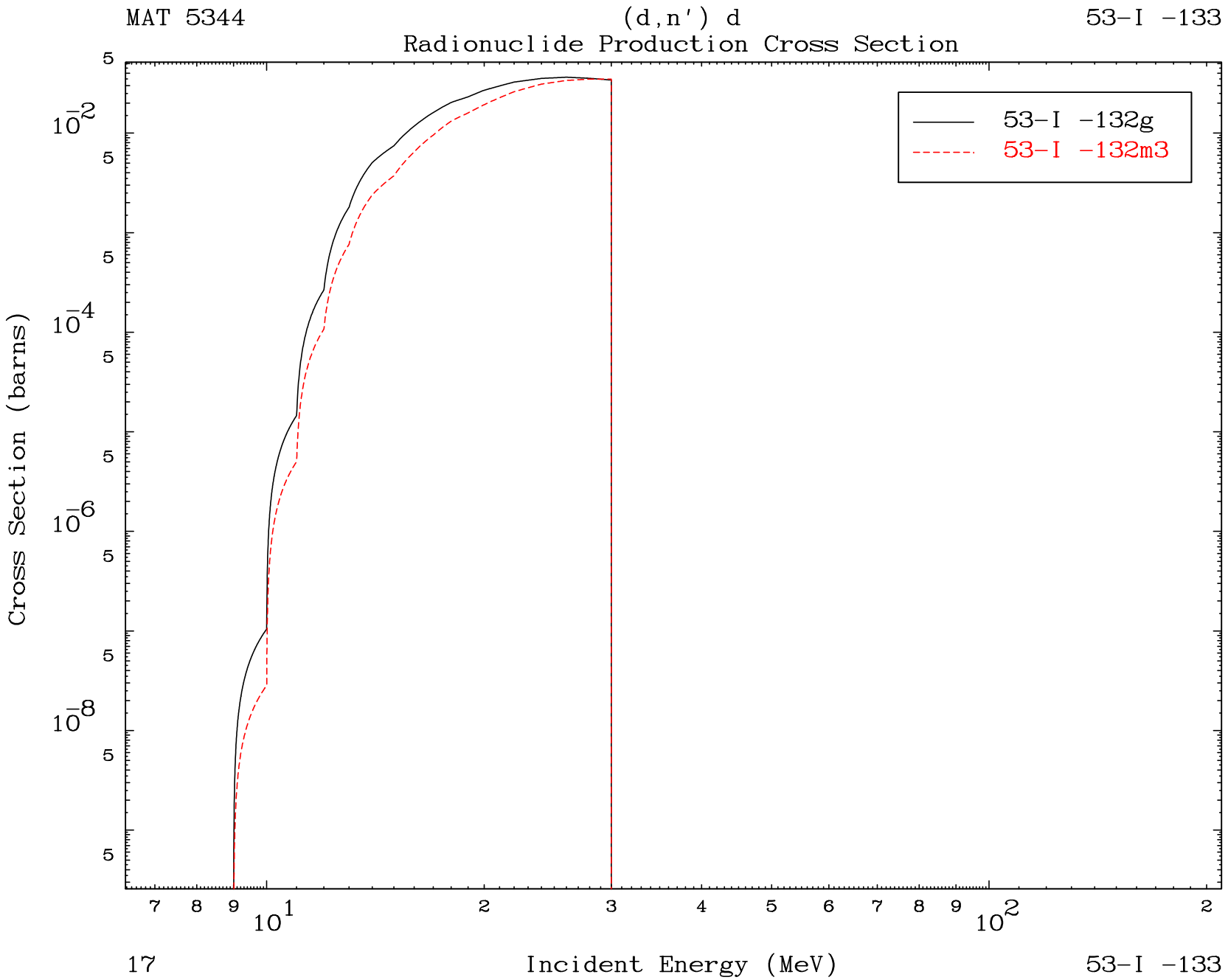

MAT 5344
Deuteron Inelastic
53-I -133
Radionuclide Production Cross Section
54-Xe-134g
54-Xe-134m7
Cross Section (barns)
Incident Energy (MeV)
12
53-I -133

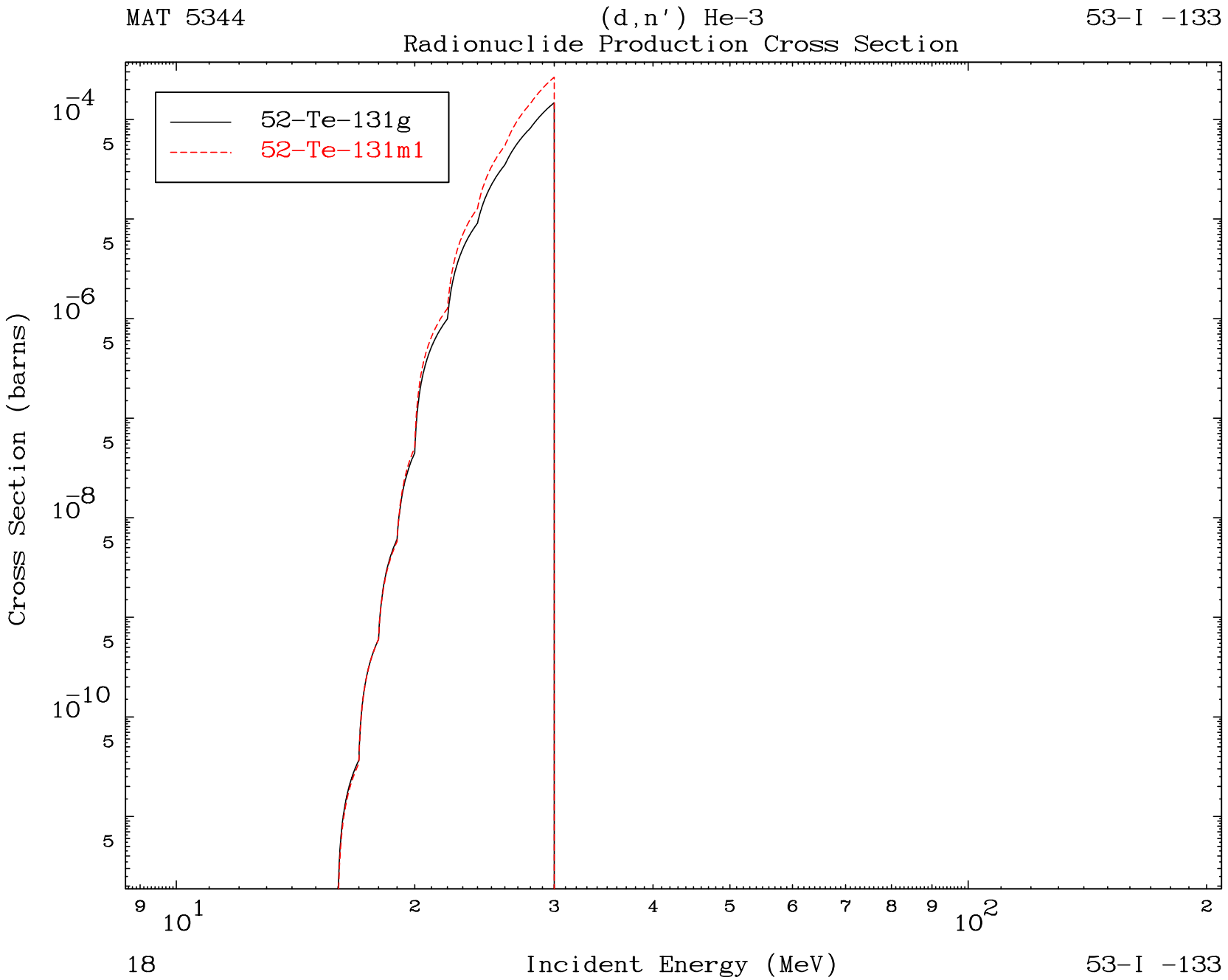

MAT 5344
(d,2n)
53-I -133
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
13
53-I -133

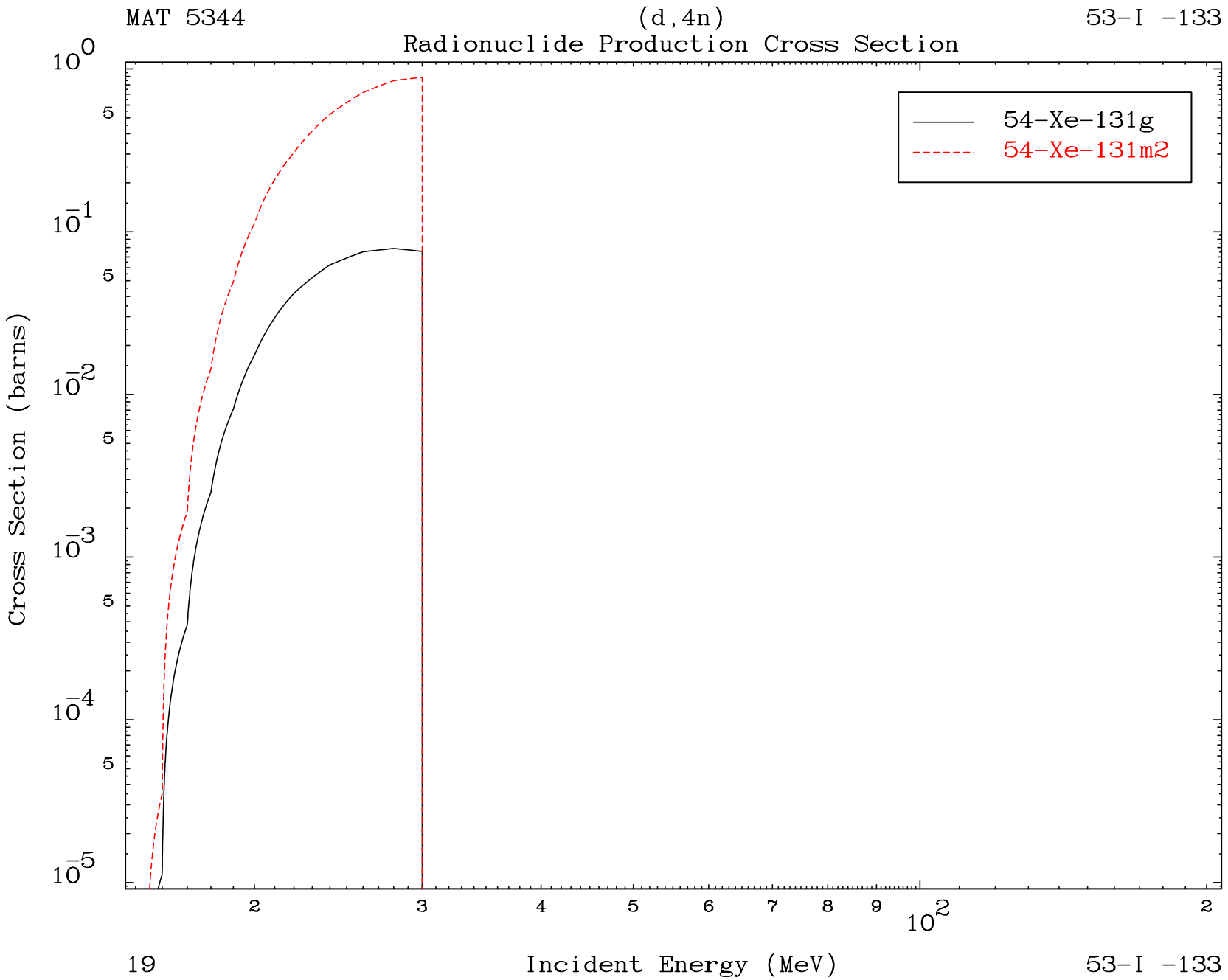

MAT 5344
(d,2n) α
53-I -133
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
14
Incident Energy (MeV)
53-I -133

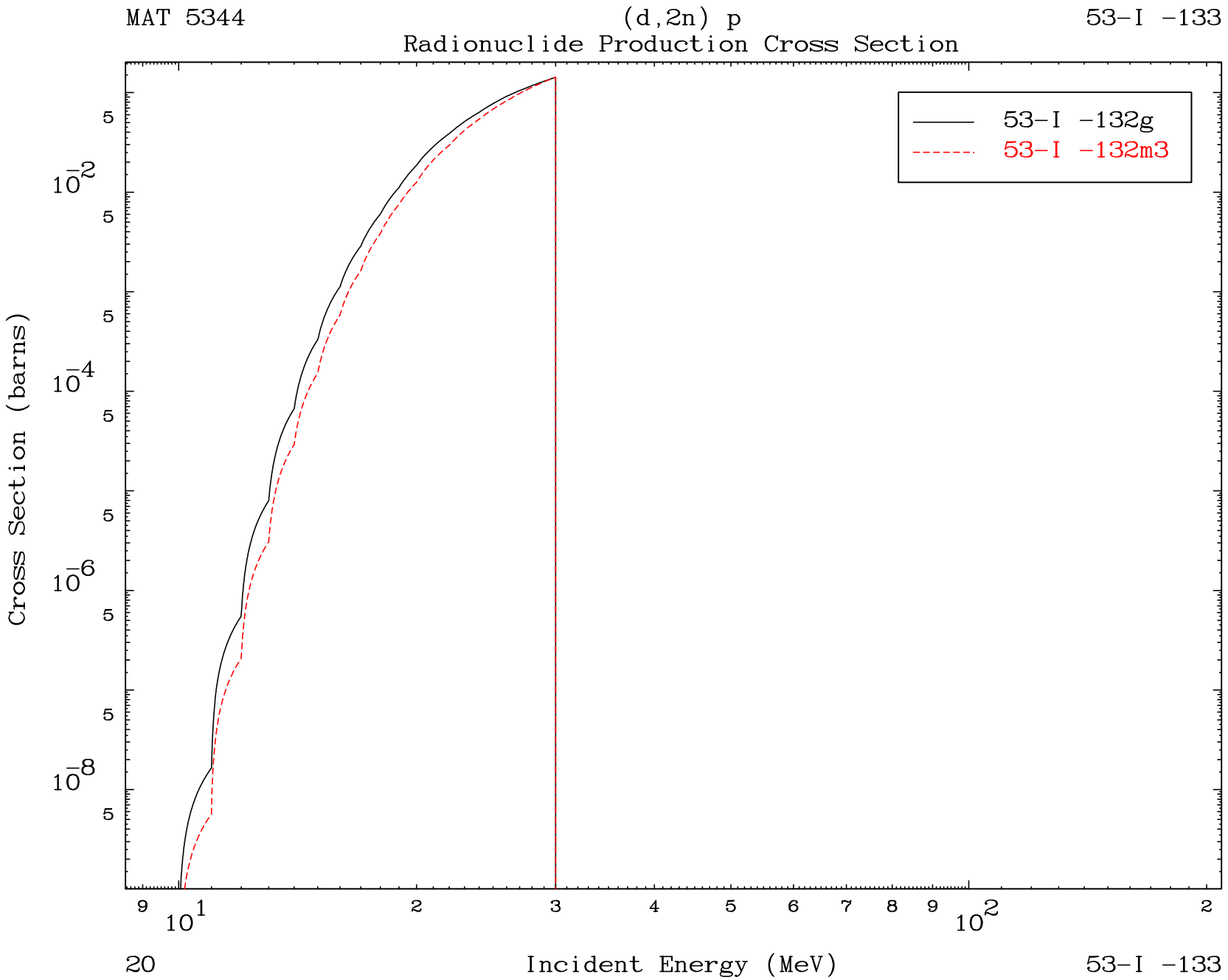

MAT 5344
(d,n') p
53-I -133
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
Incident Energy (MeV)
15
53-I -133

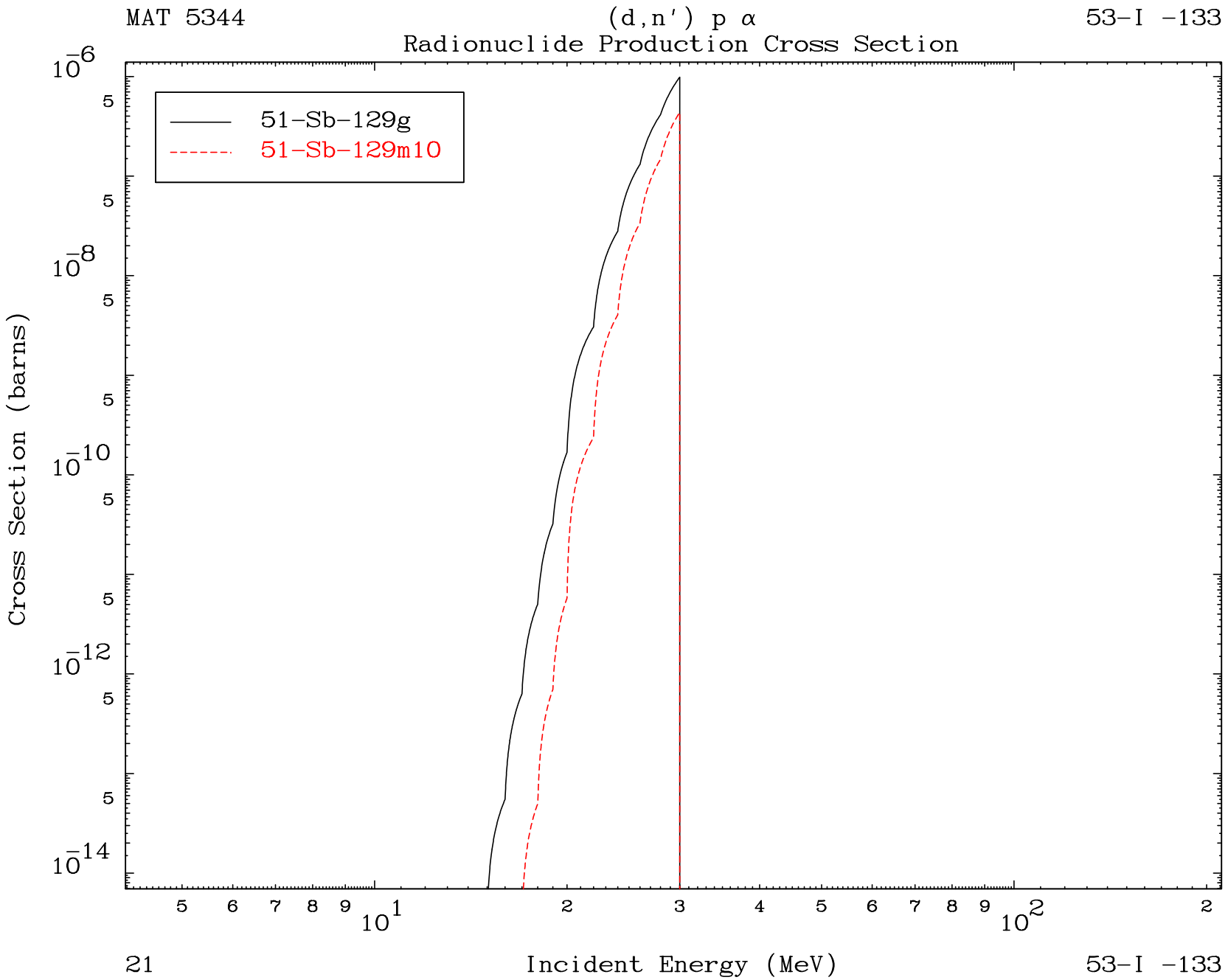

MAT 5344
(d,2n) 2α
53-I -133
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
16
Incident Energy (MeV)
53-I -133

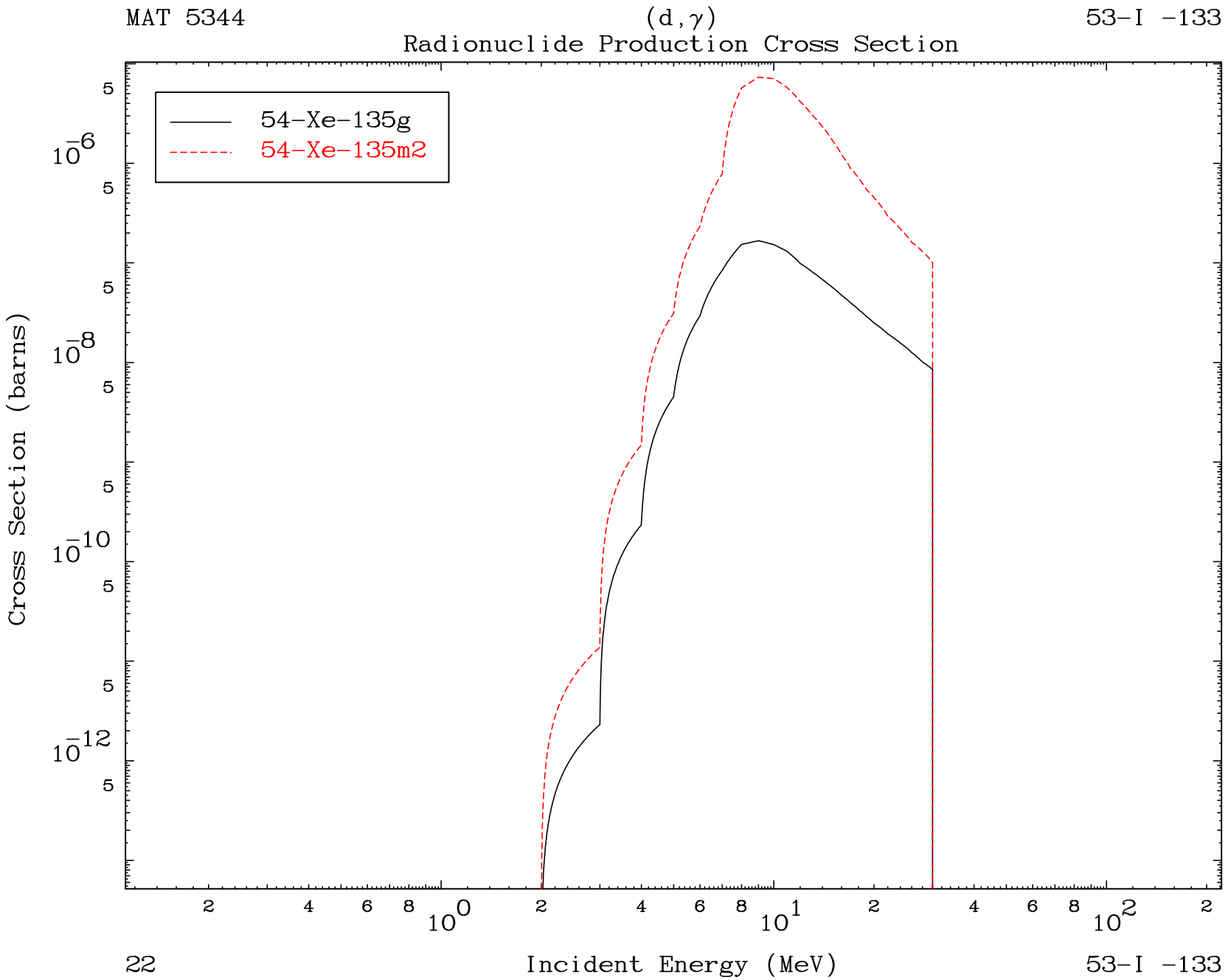

MAT 5344
(d,n') d
53-I -133
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
Incident Energy (MeV)
17
53-I -133

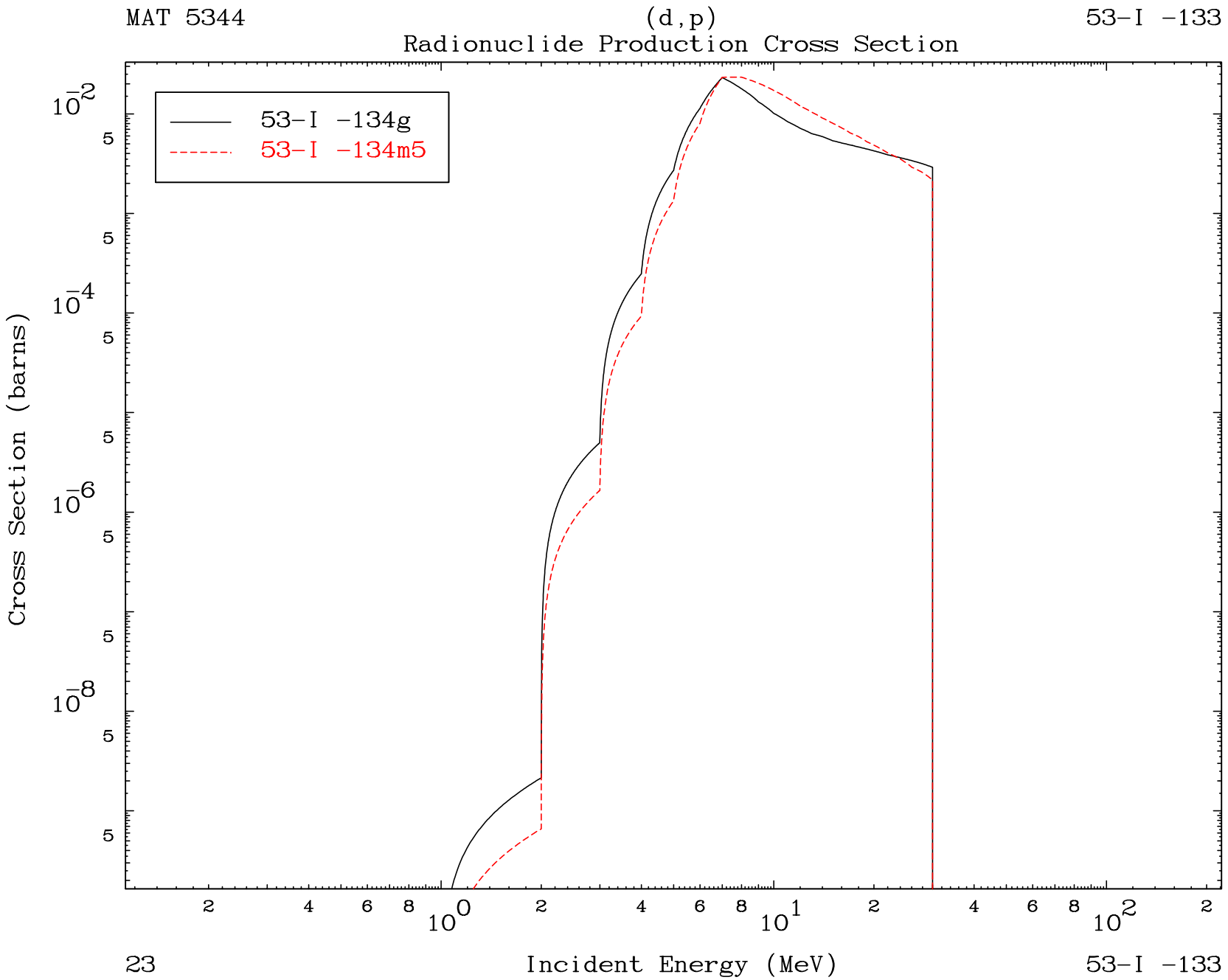

MAT 5344
(d,n') He-3
53-I -133
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
53-I -133

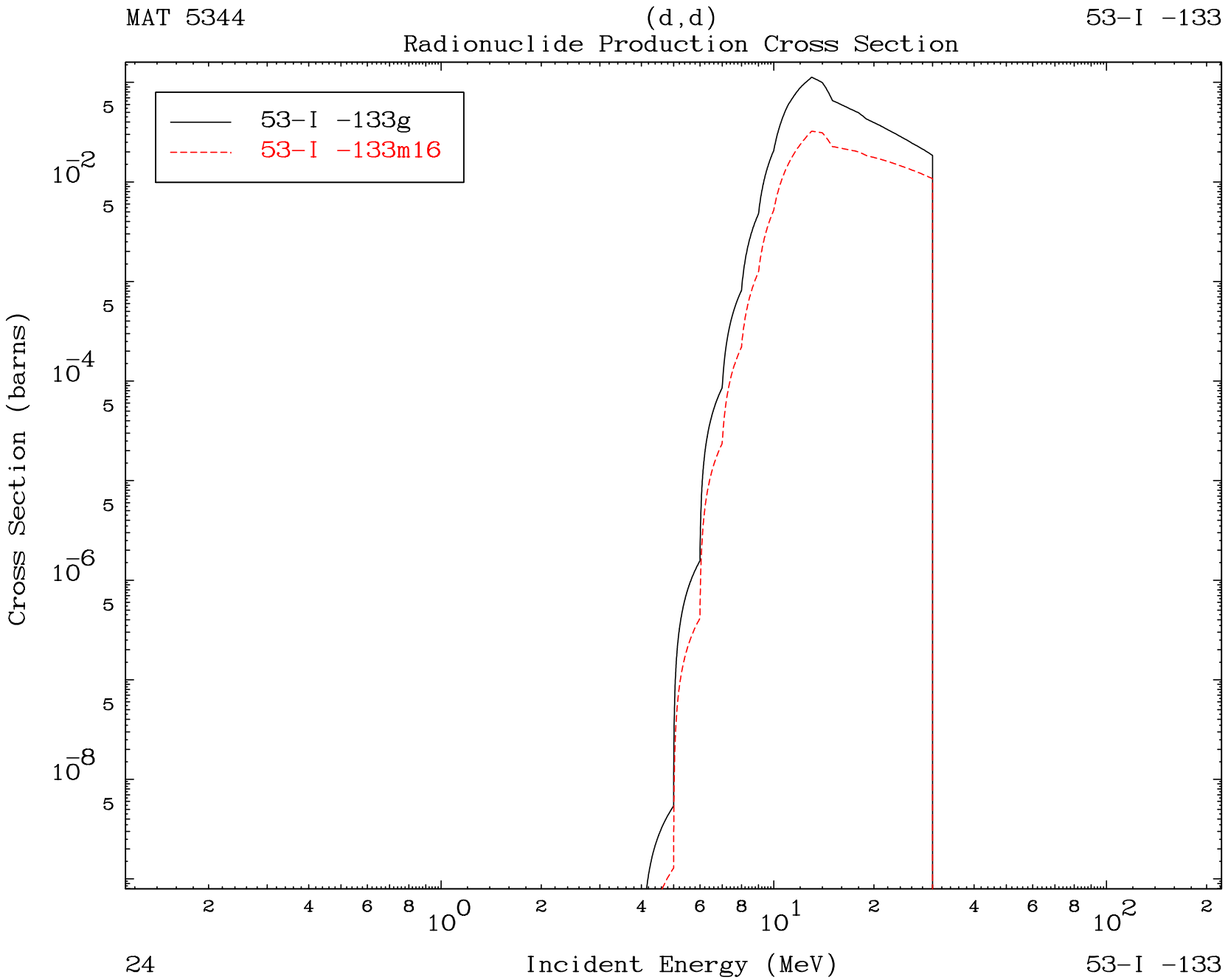

MAT 5344
(d,4n)
53-I -133
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
Incident Energy (MeV)
19
53-I -133

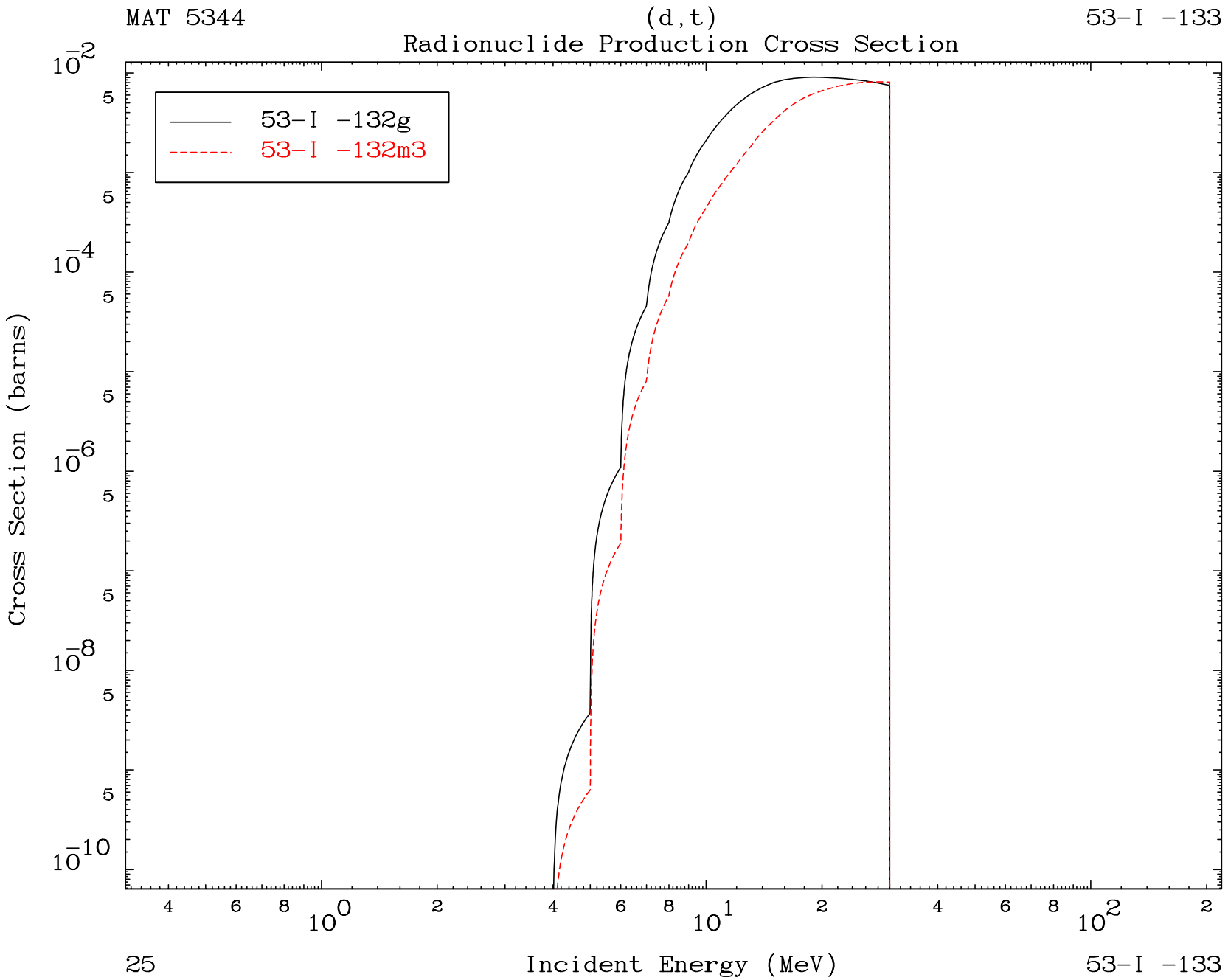

MAT 5344
(d,2n) p
53-I -133
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
Incident Energy (MeV)
20
53-I -133

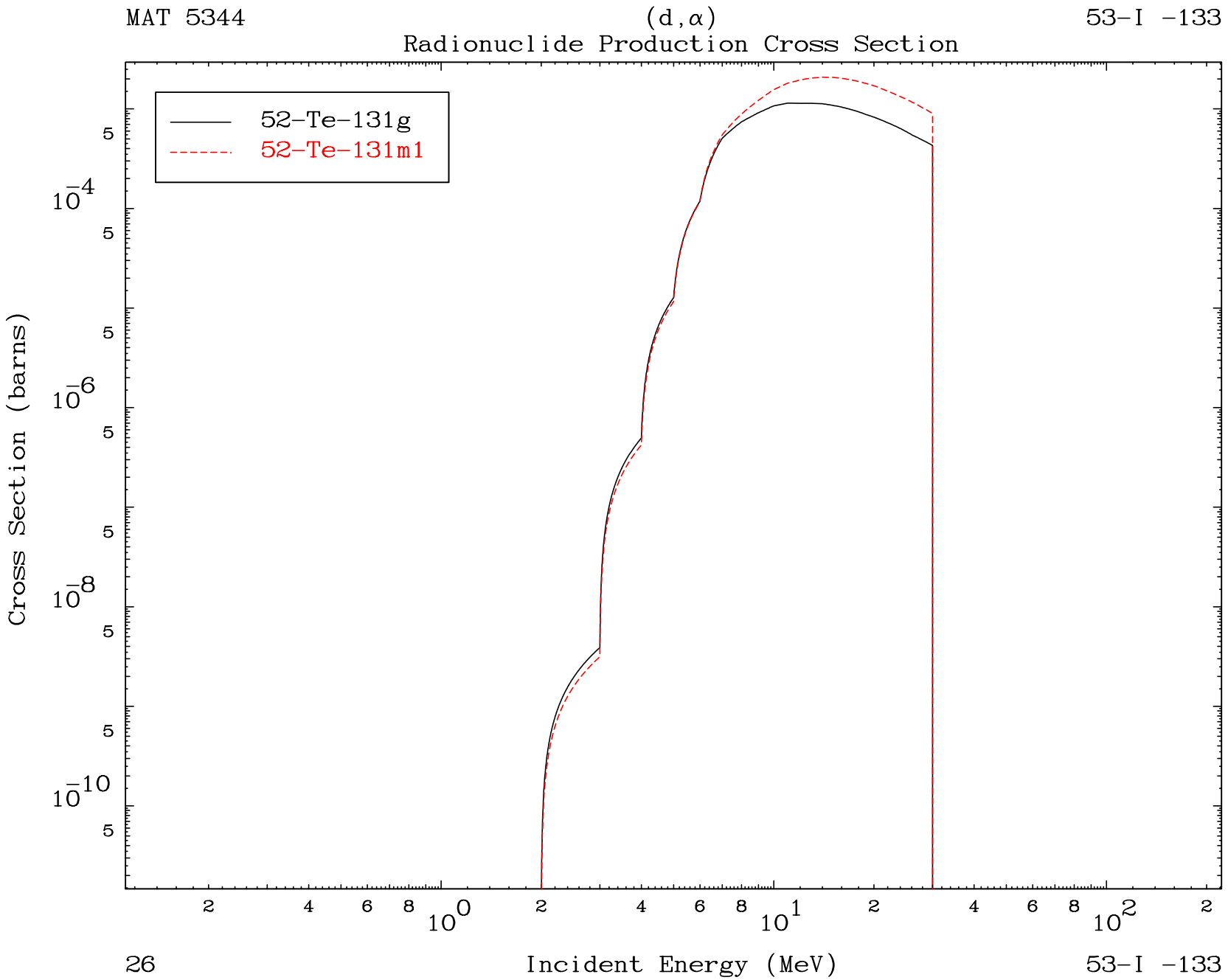

MAT 5344
(d,n') p α
53-I -133
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m10
Cross Section (barns)
Incident Energy (MeV)
21
53-I -133

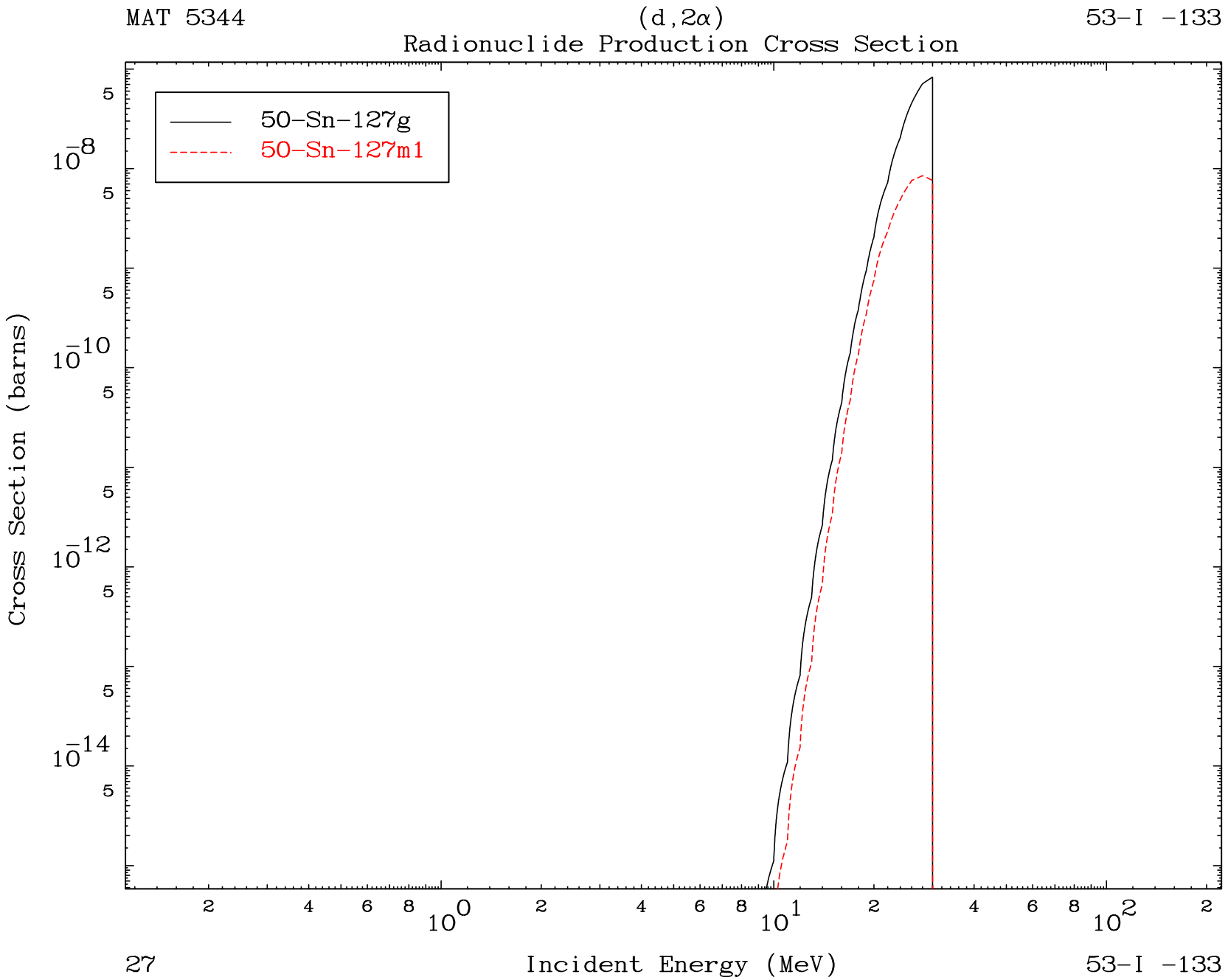

MAT 5344
(d,γ)
53-I -133
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
Incident Energy (MeV)
22
53-I -133

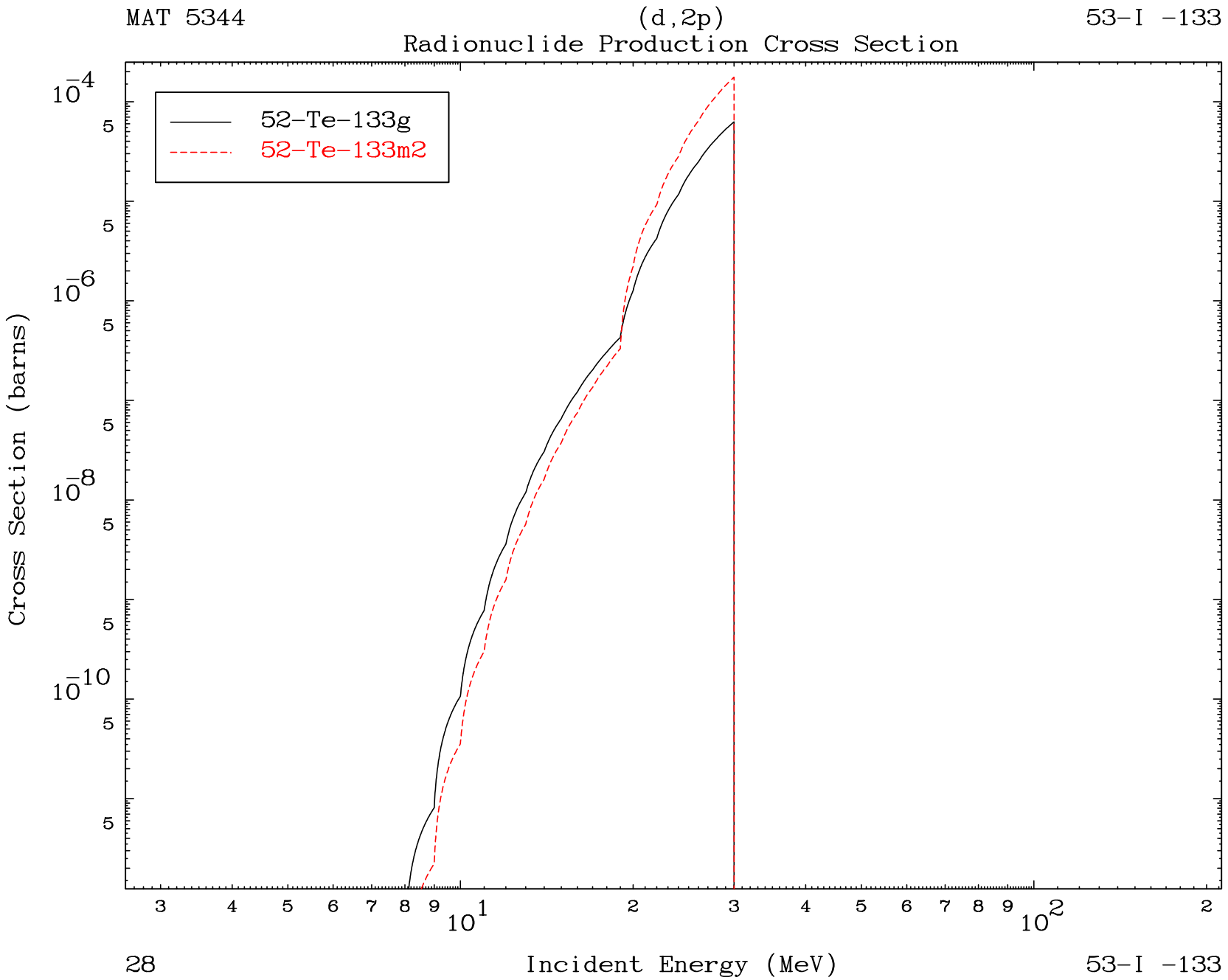

MAT 5344
(d,p)
53-I -133
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
Incident Energy (MeV)
23
53-I -133

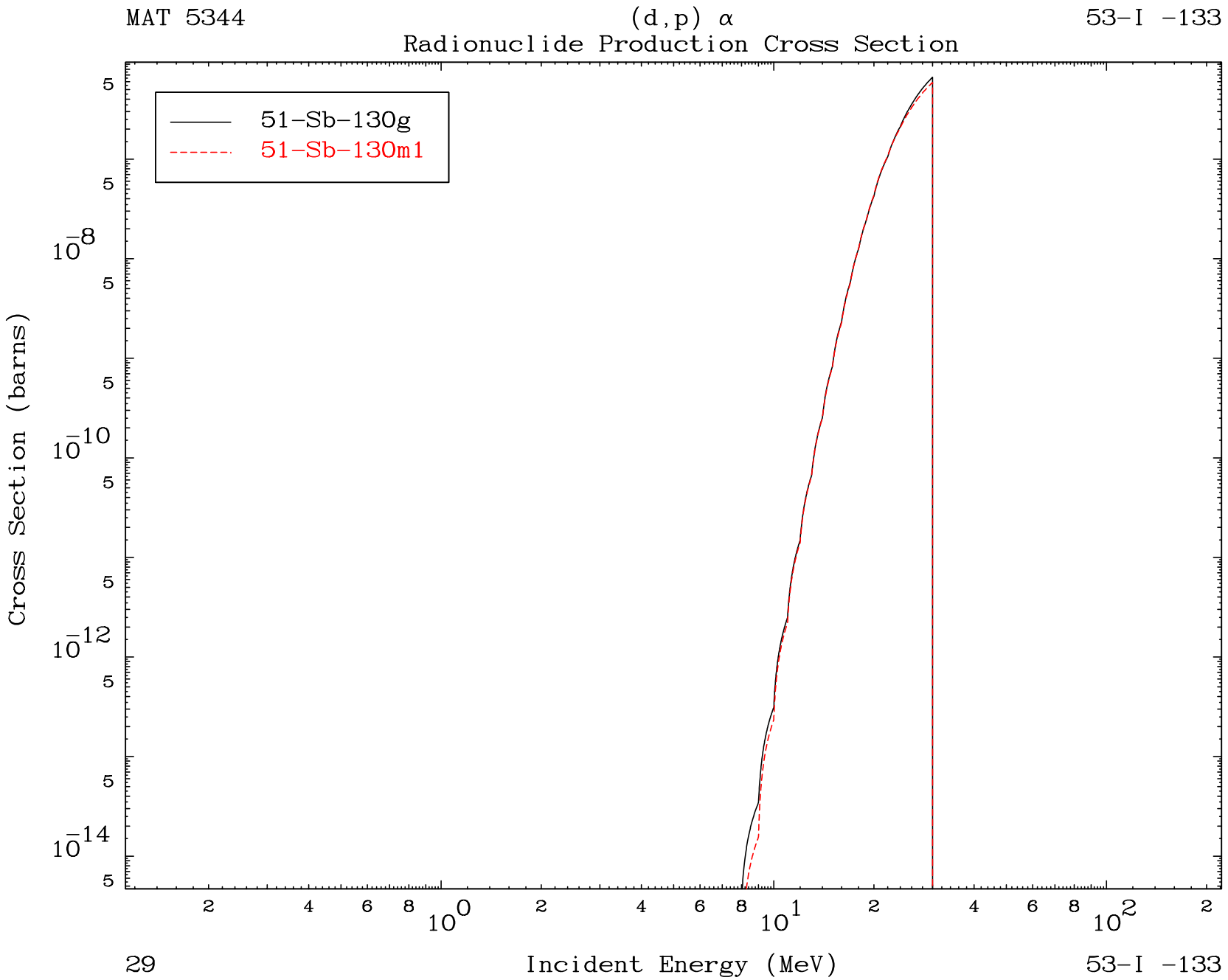

MAT 5344
(d,d)
53-I -133
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
Incident Energy (MeV)
24
53-I -133

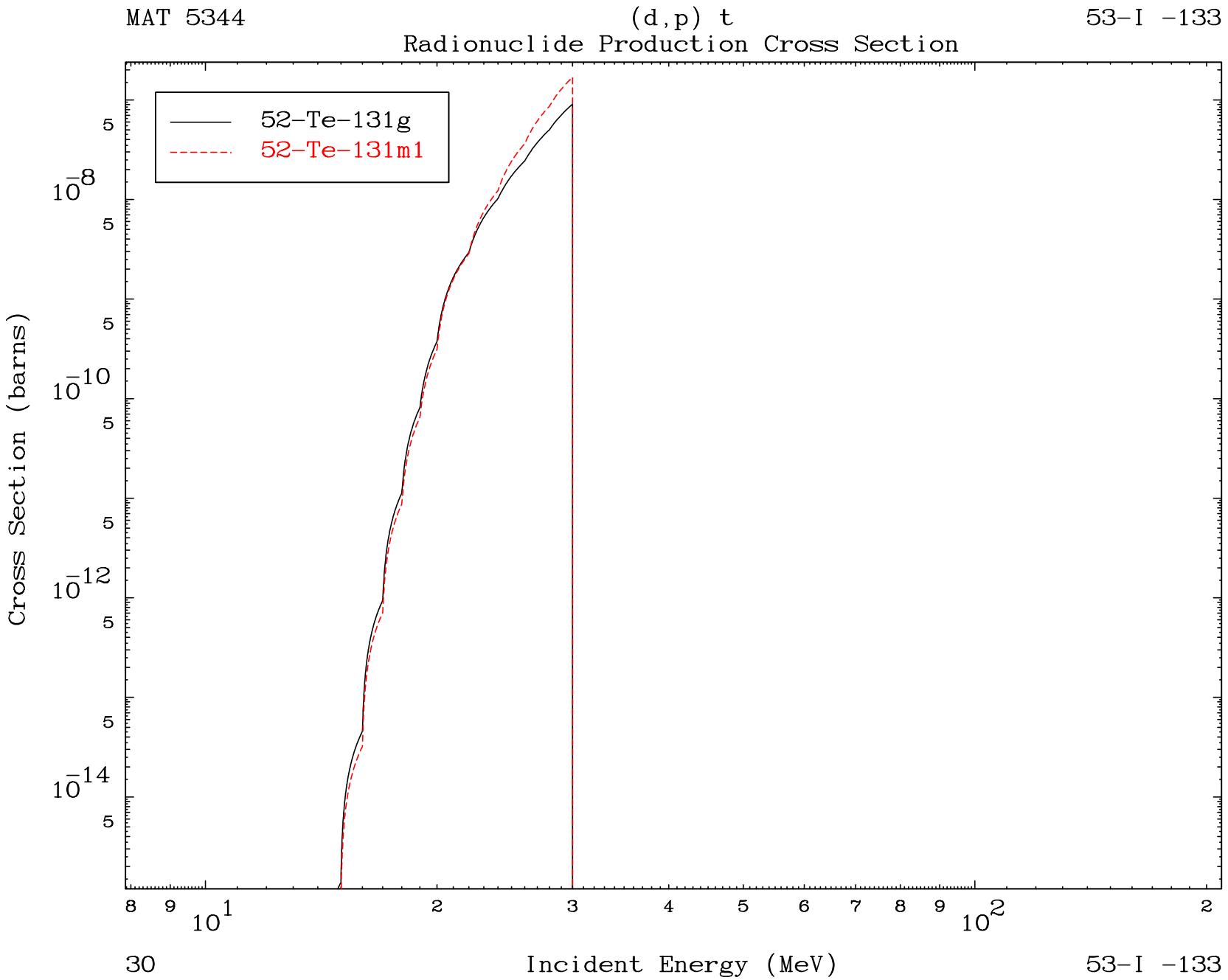

MAT 5344
(d,t)
53-I -133
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
Incident Energy (MeV)
25
53-I -133

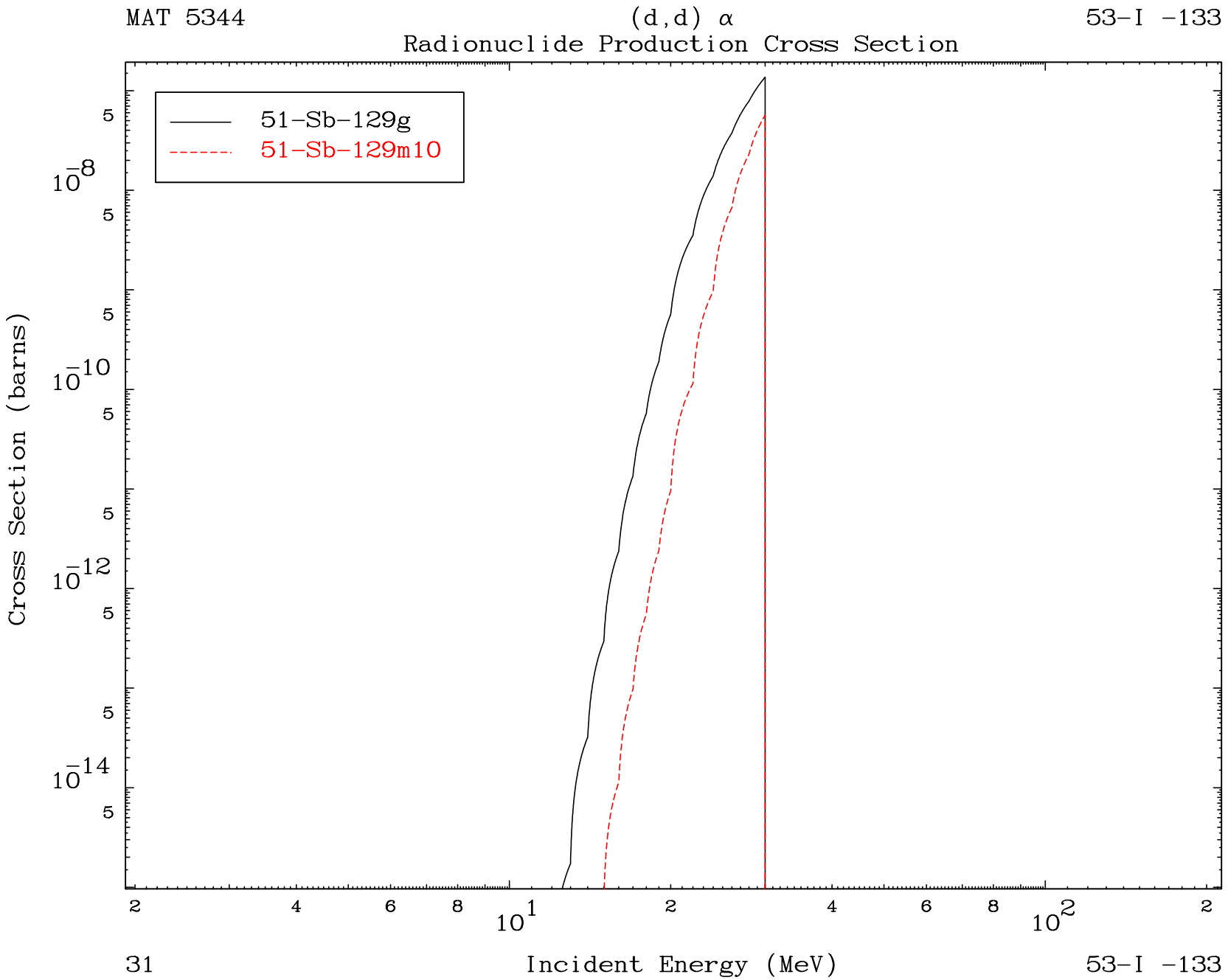

MAT 5344
(d,α)
53-I -133
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
26
53-I -133


MAT 5344
(d,2α)
53-I -133
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^0
10^1
10^2
Incident Energy (MeV)
27
53-I -133


MAT 5344
(d,2p)
53-I -133
Radionuclide Production Cross Section
52-Te-133g
52-Te-133m2
Cross Section (barns)
Incident Energy (MeV)
28
53-I -133


MAT 5344
(d,p) α
53-I -133
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
Incident Energy (MeV)
29
53-I -133


MAT 5344
(d,p) t
53-I -133
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
Incident Energy (MeV)
30
53-I -133


MAT 5344
(d,d) α
53-I -133
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m10
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
4
6
8
10^1
10^2
31
Incident Energy (MeV)
53-I -133