Program EVALPLOT
(Version 2018-1)
by
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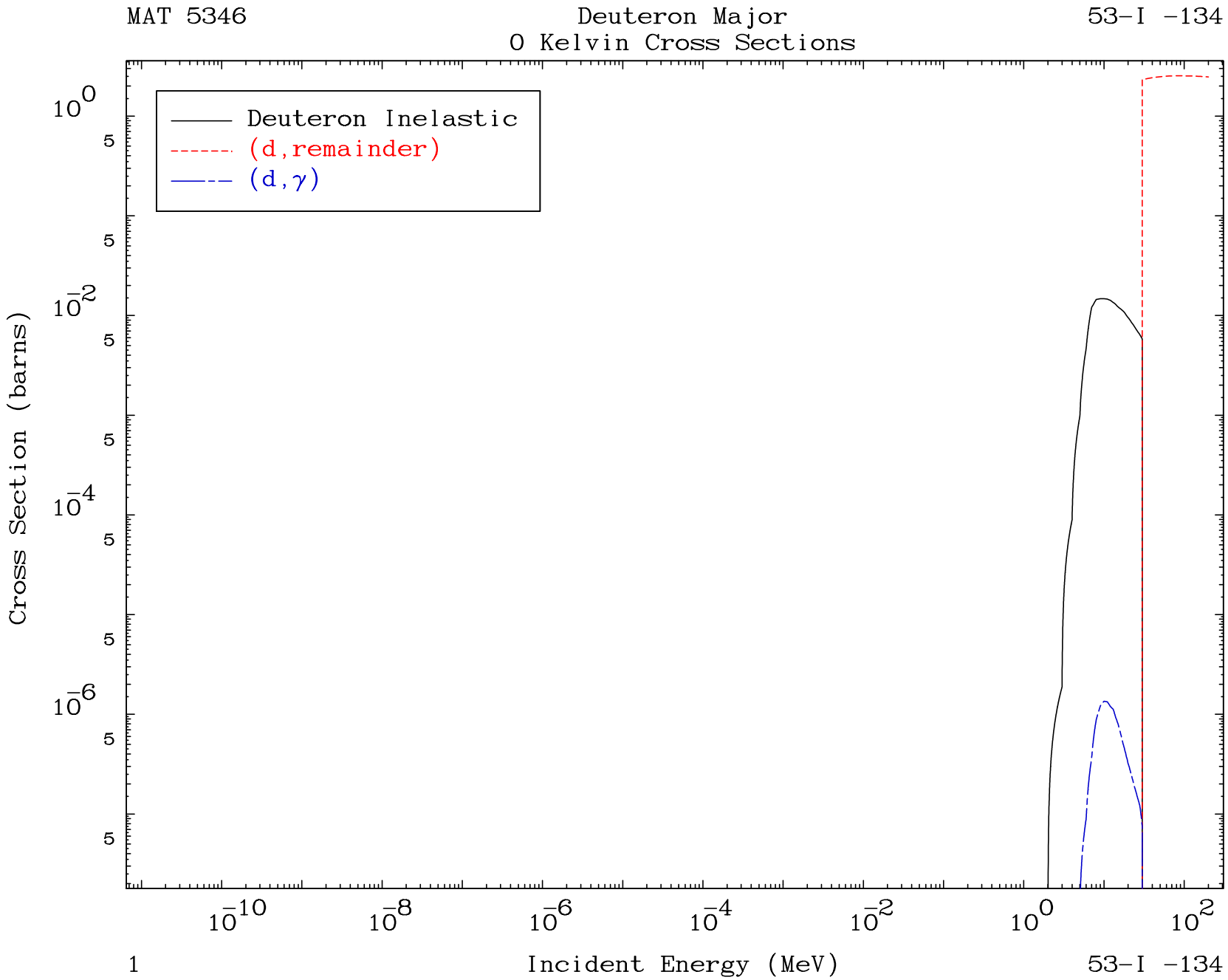
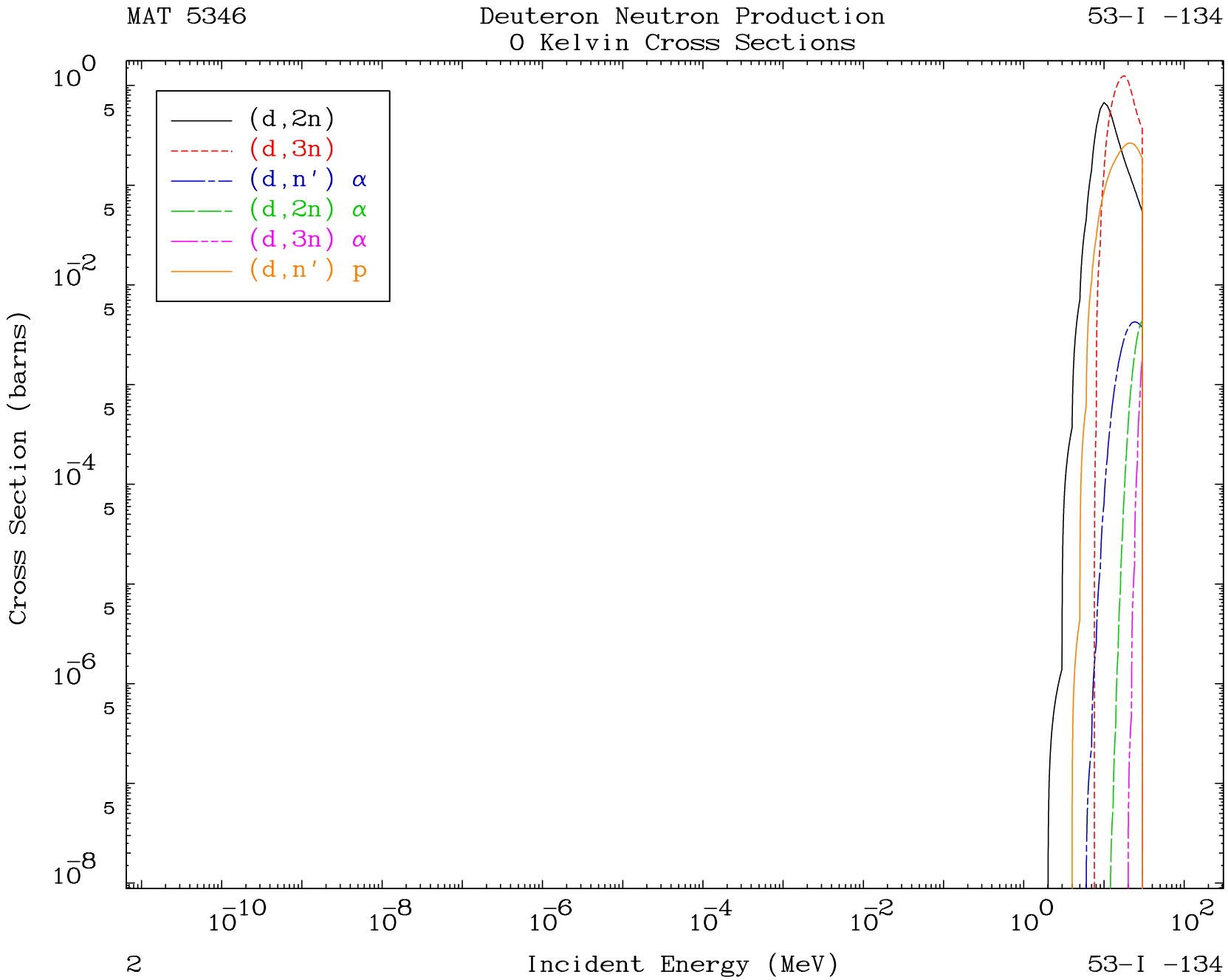
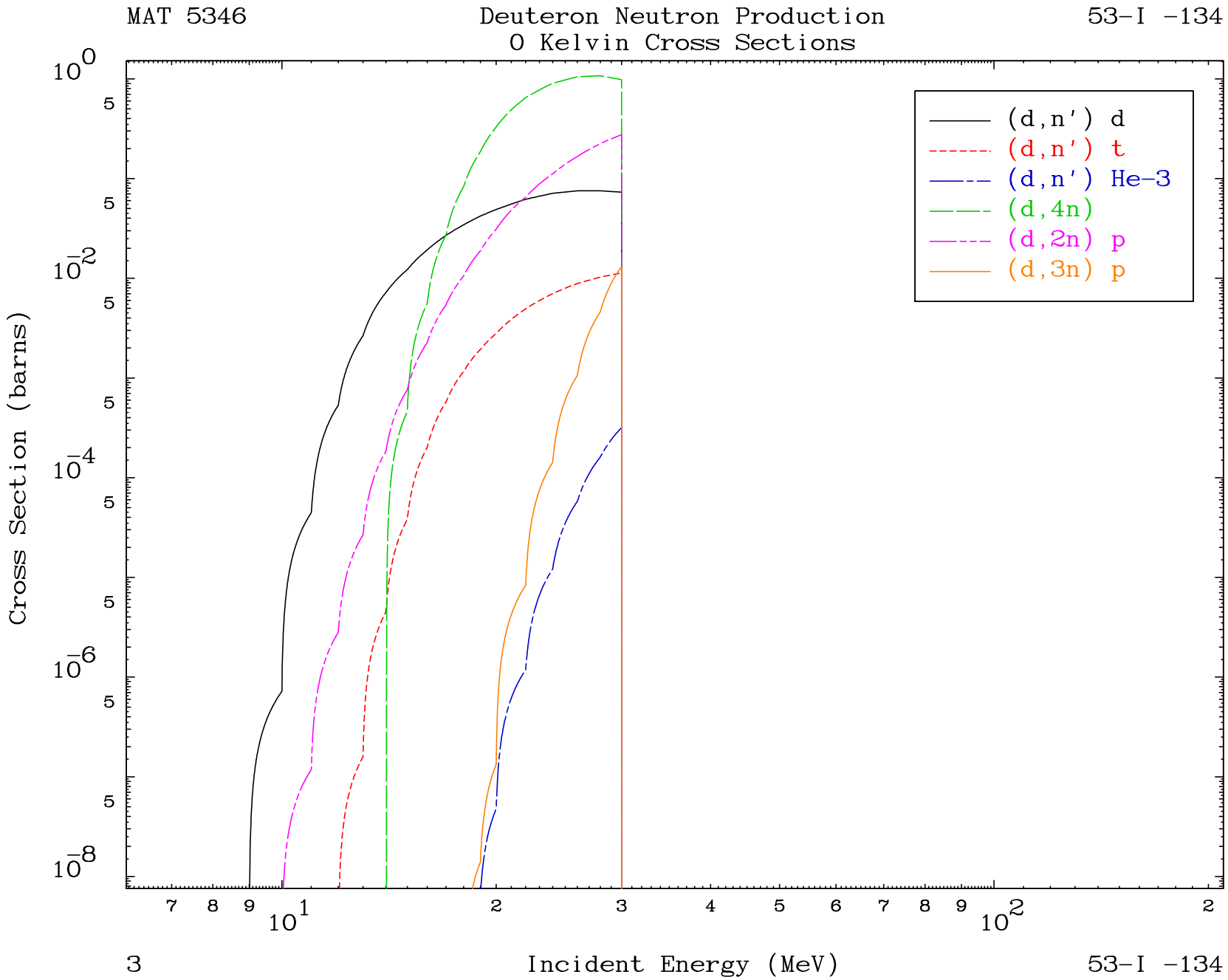
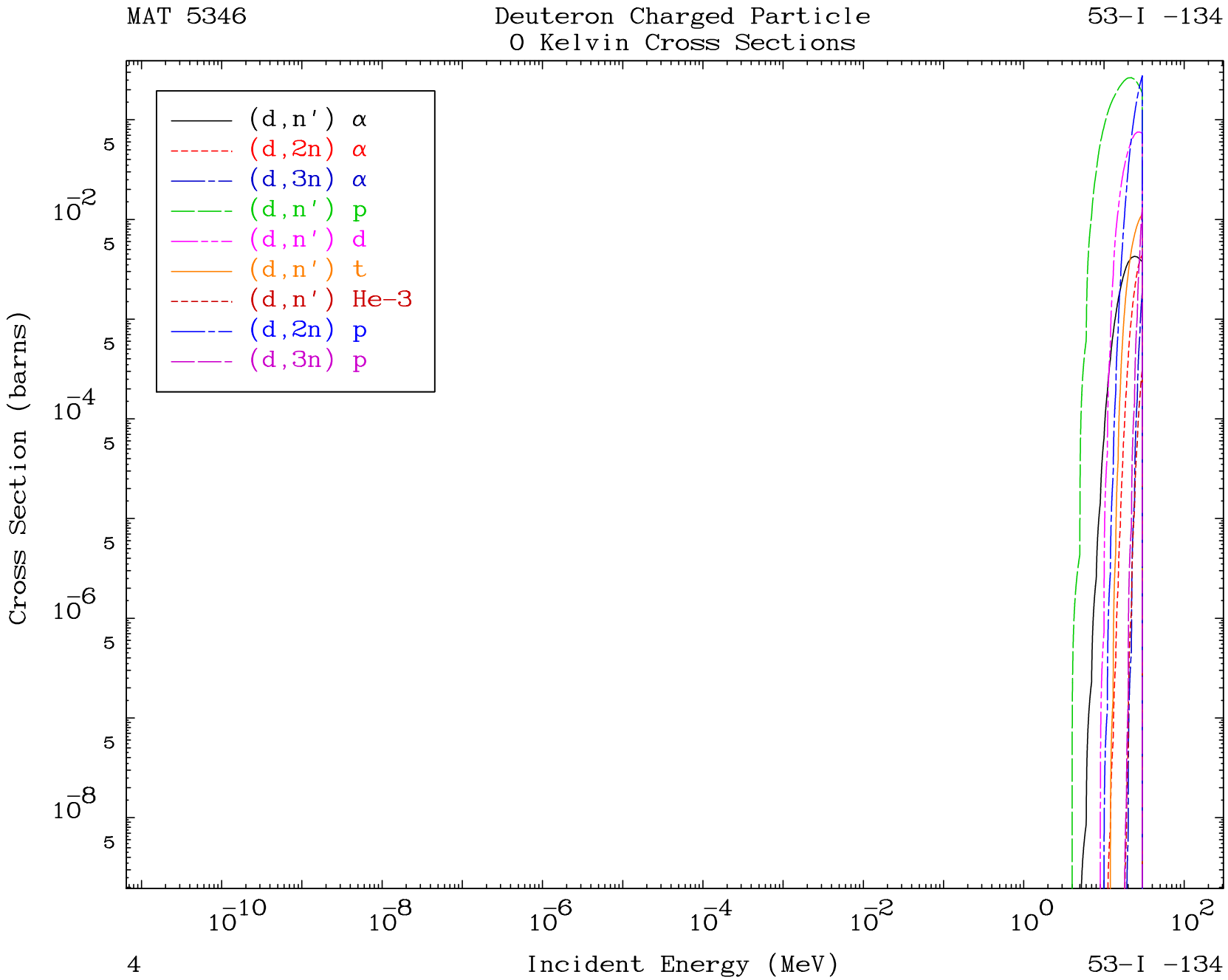
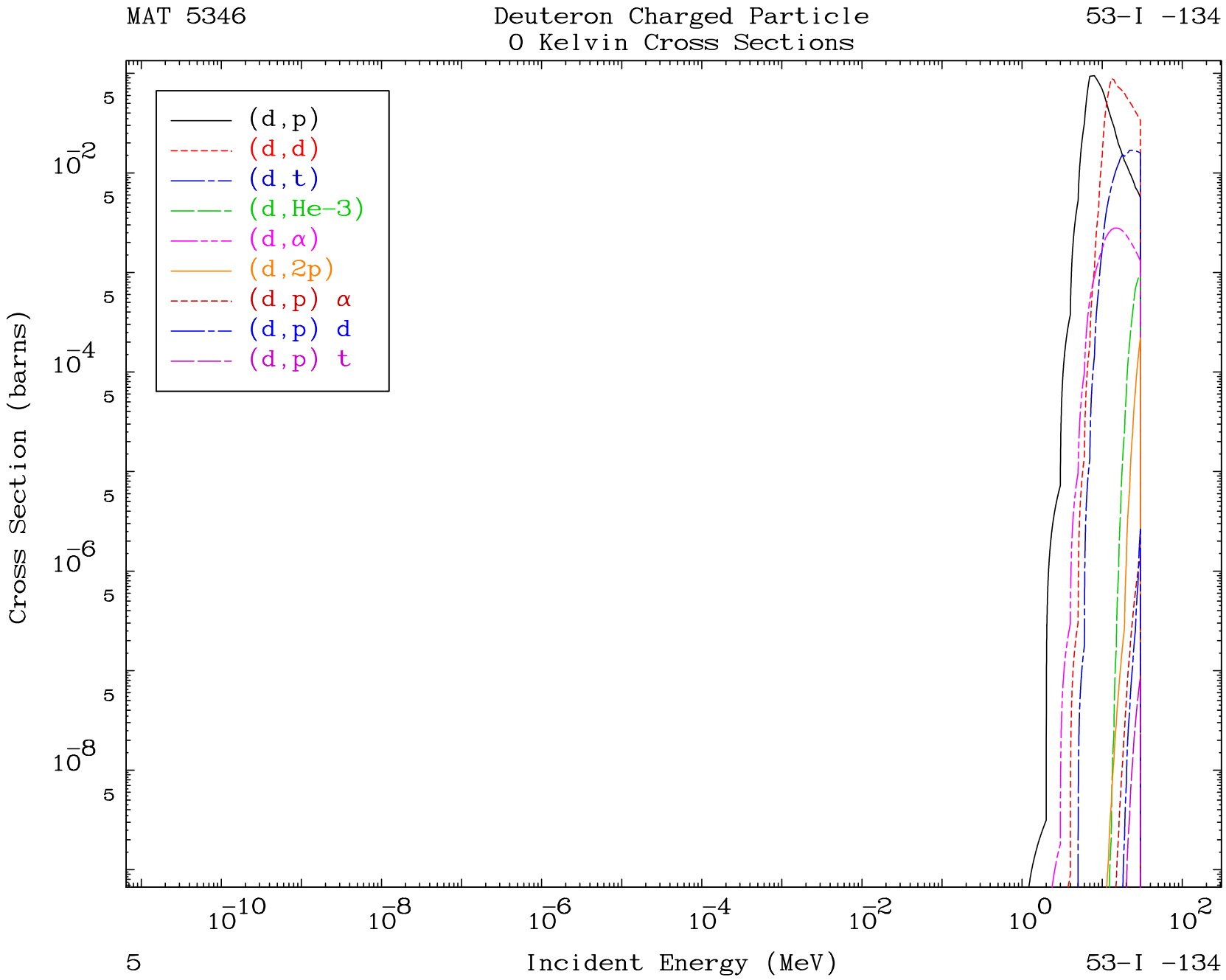
Press Mouse Button to Start

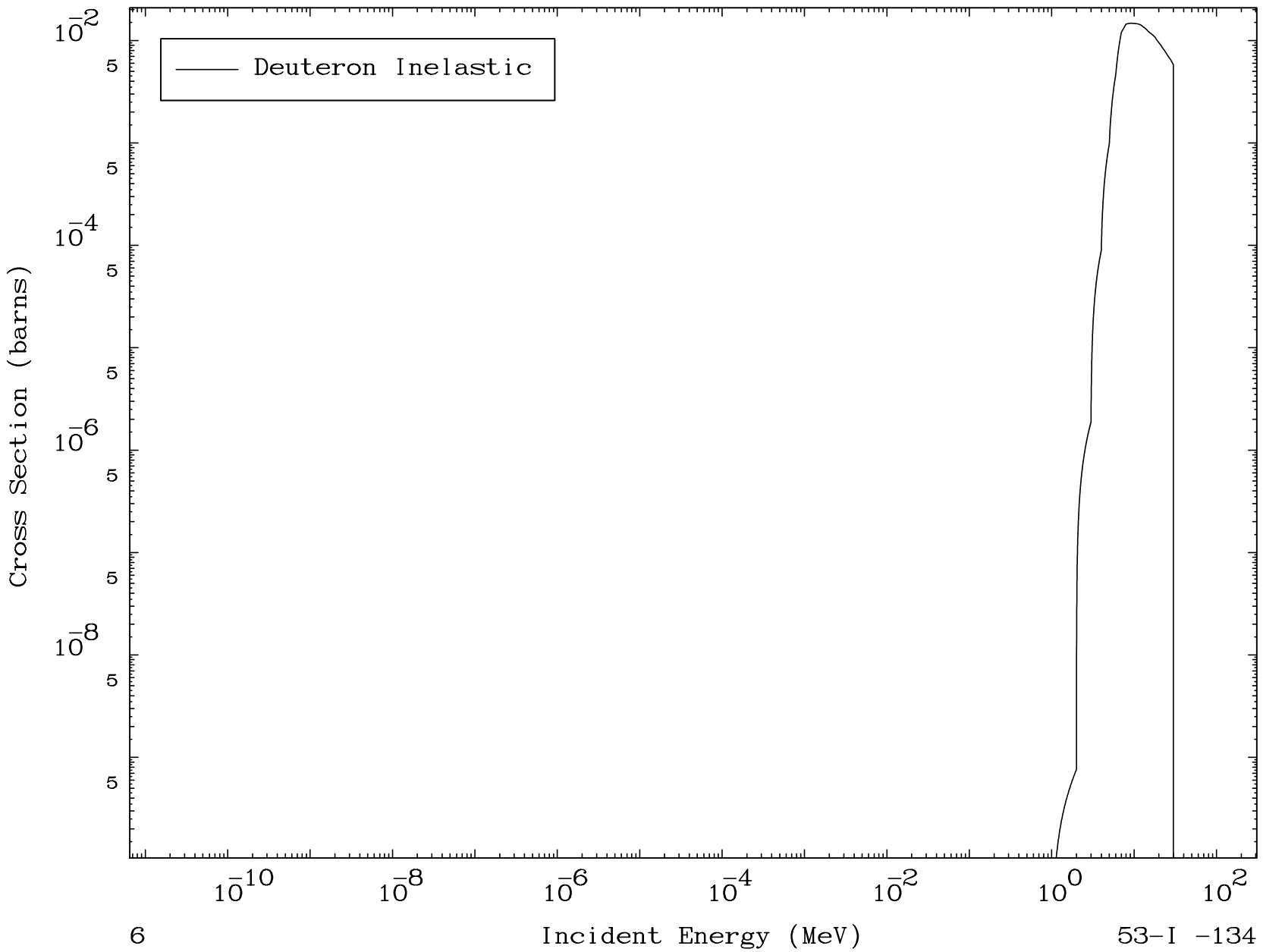

MAT 5346
Deuteron Major
53-I -134
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -134

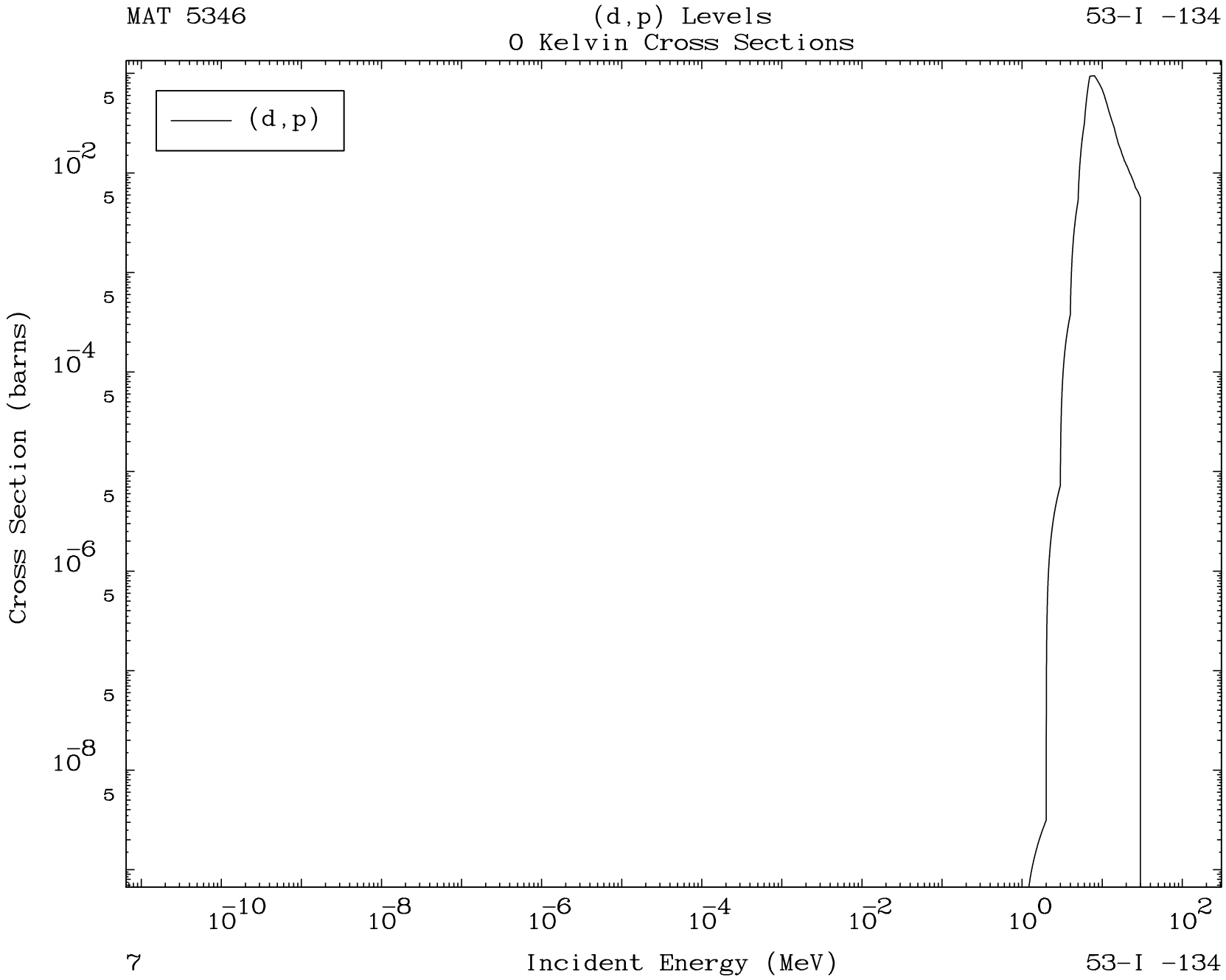

MAT 5346
Deuteron Neutron Production
0 Kelvin Cross Sections
53-I -134
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
Cross Section (barns)
Incident Energy (MeV)
2
53-I -134

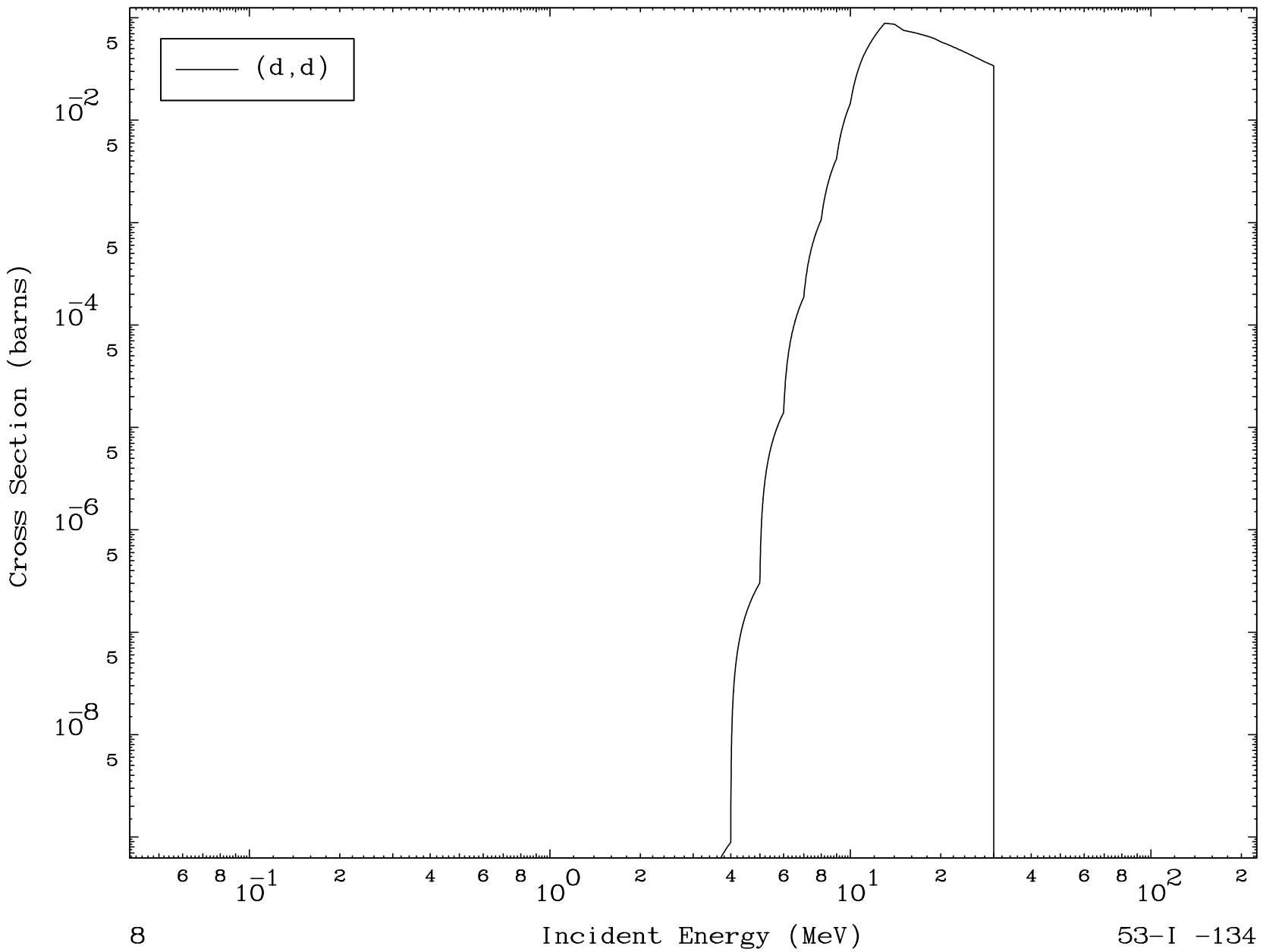

MAT 5346
Deuteron Neutron Production
0 Kelvin Cross Sections
53-I -134
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
53-I -134

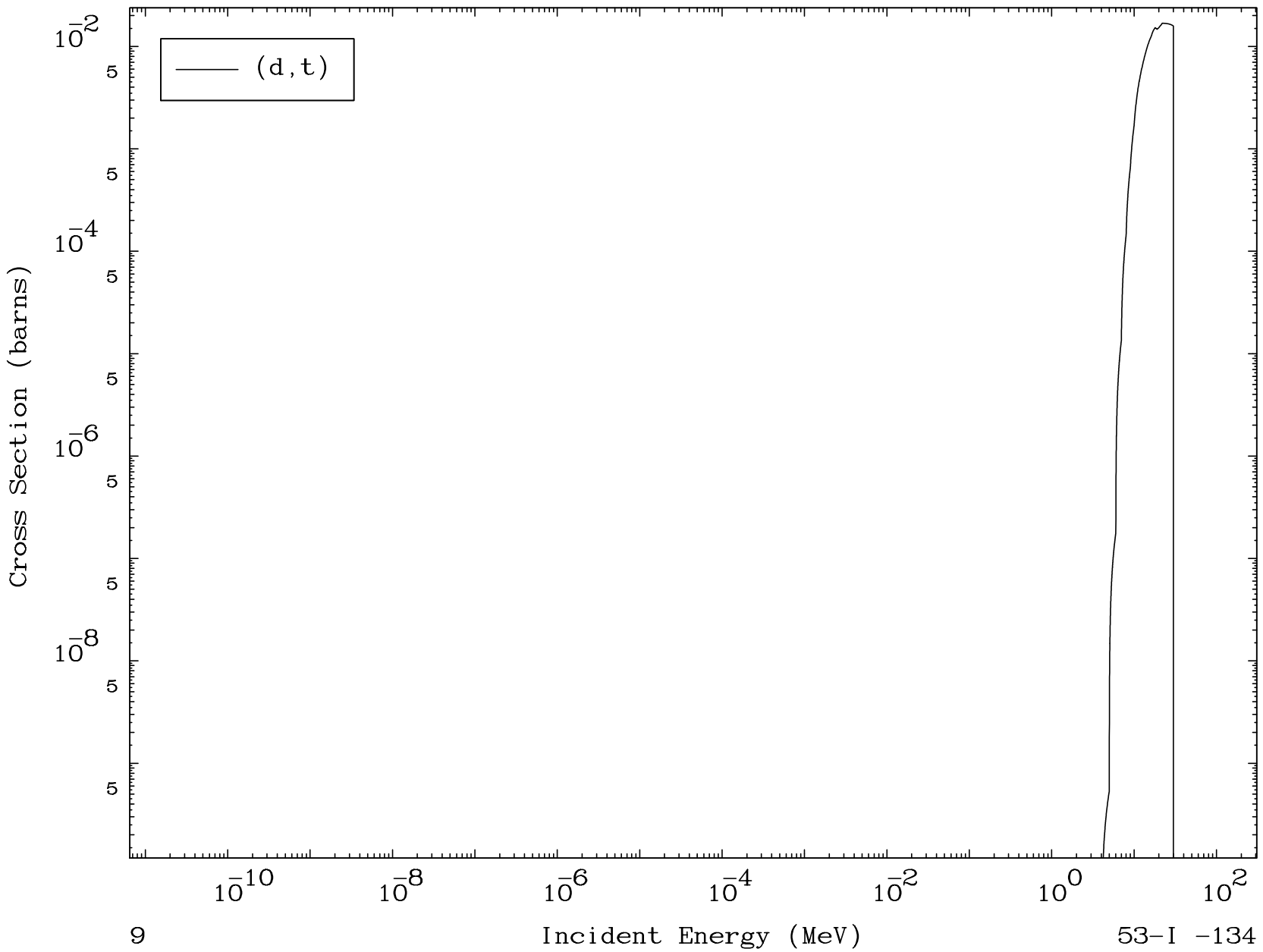

MAT 5346
Deuteron Charged Particle
0 Kelvin Cross Sections
53-I -134
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
53-I -134


MAT 5346
Deuteron Charged Particle
0 Kelvin Cross Sections
53-I -134
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
(d,2p)
(d,p) α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
53-I -134

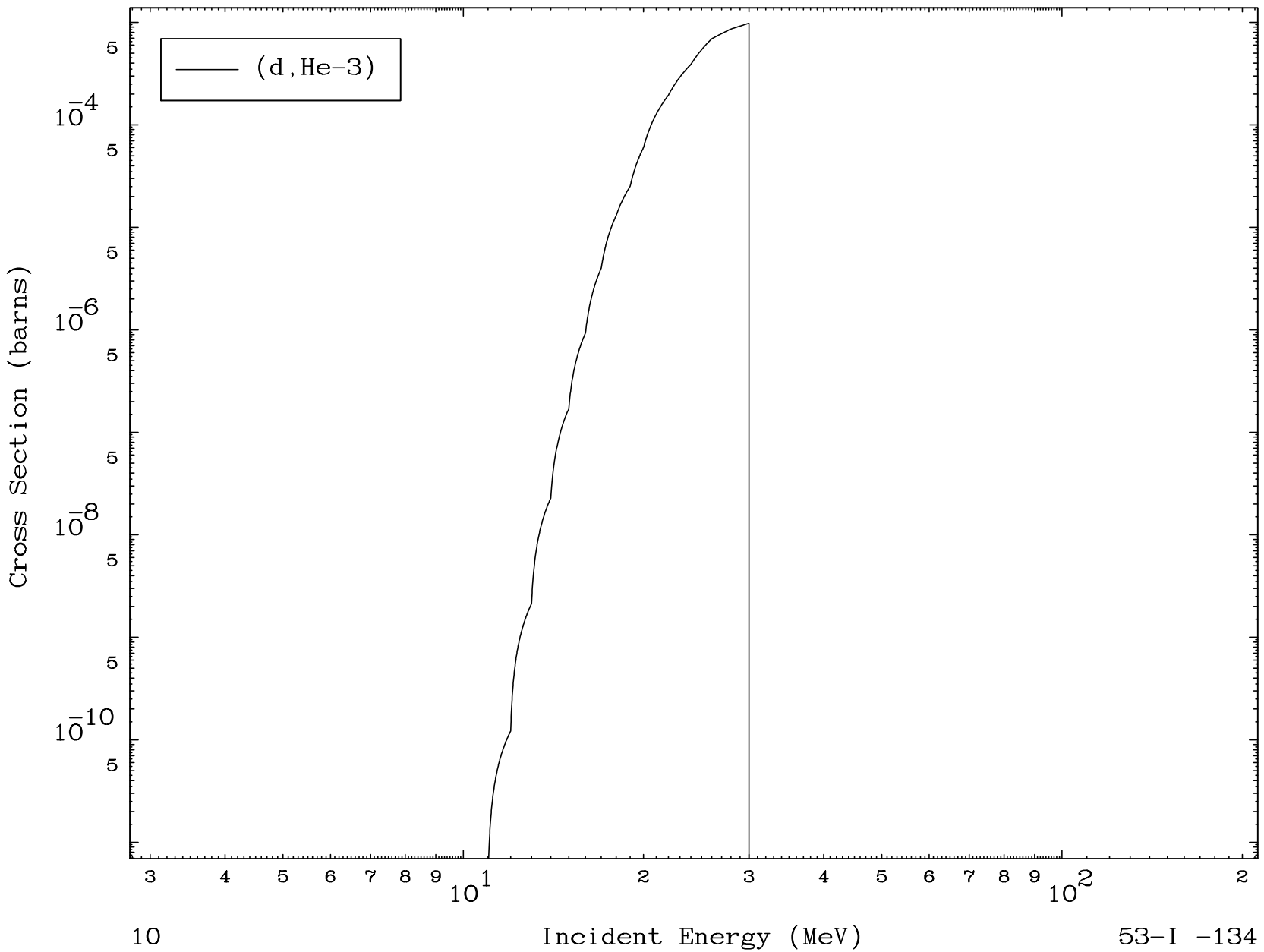

0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
10^-2
5
10^-4
5
10^-6
5
10^-8
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)

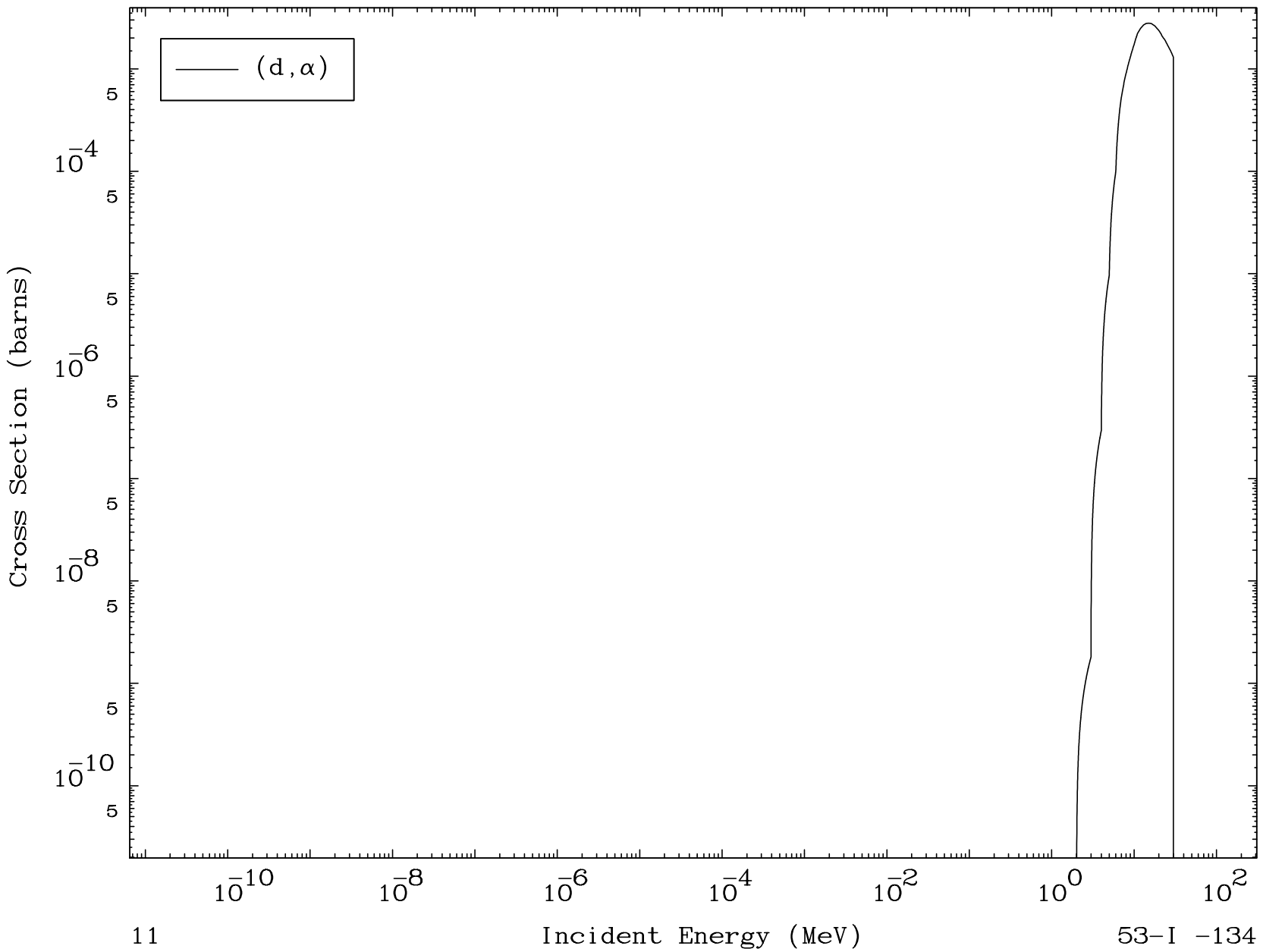

MAT 5346
(d,p) Levels
53-I -134
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
7
53-I -134

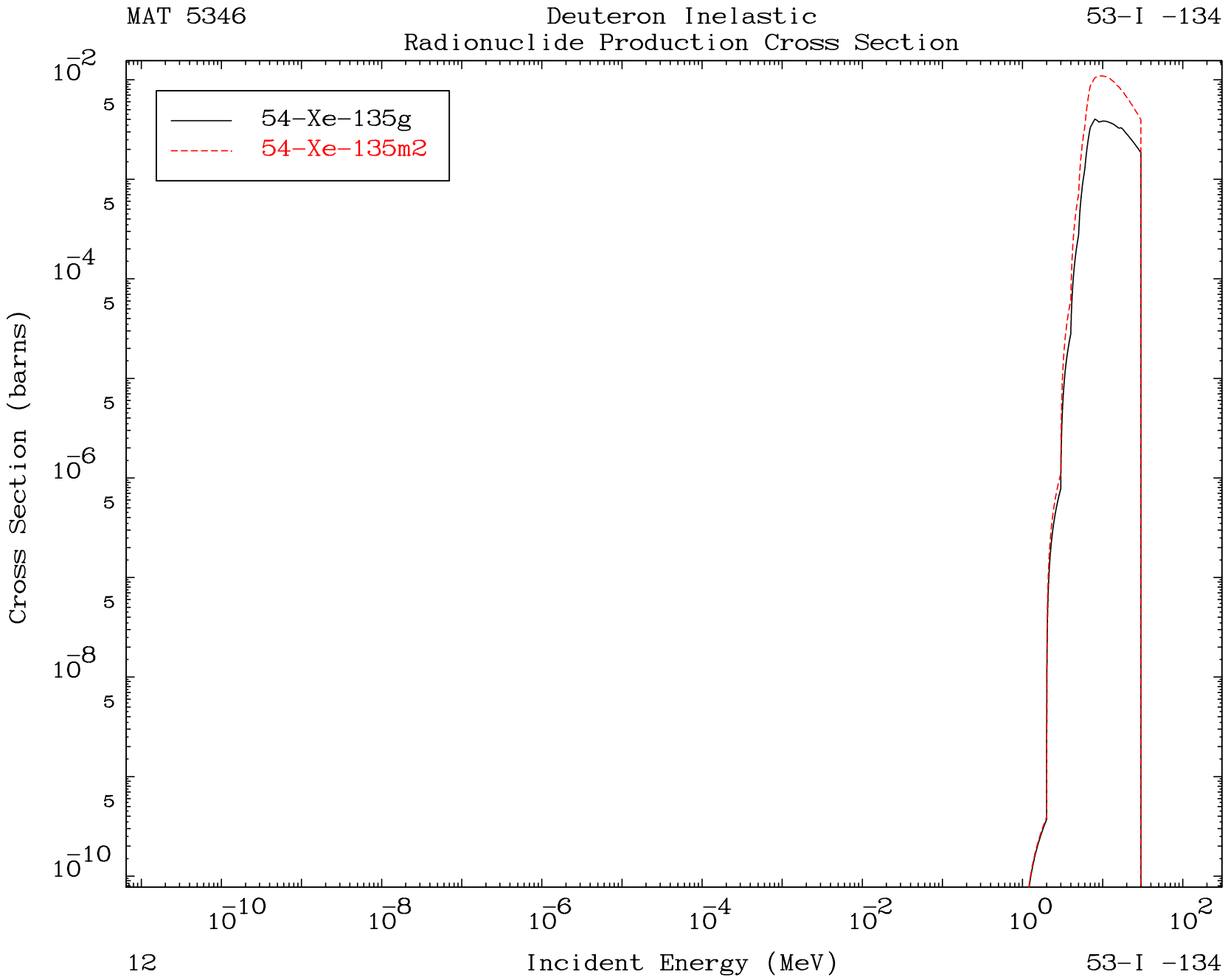

0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)

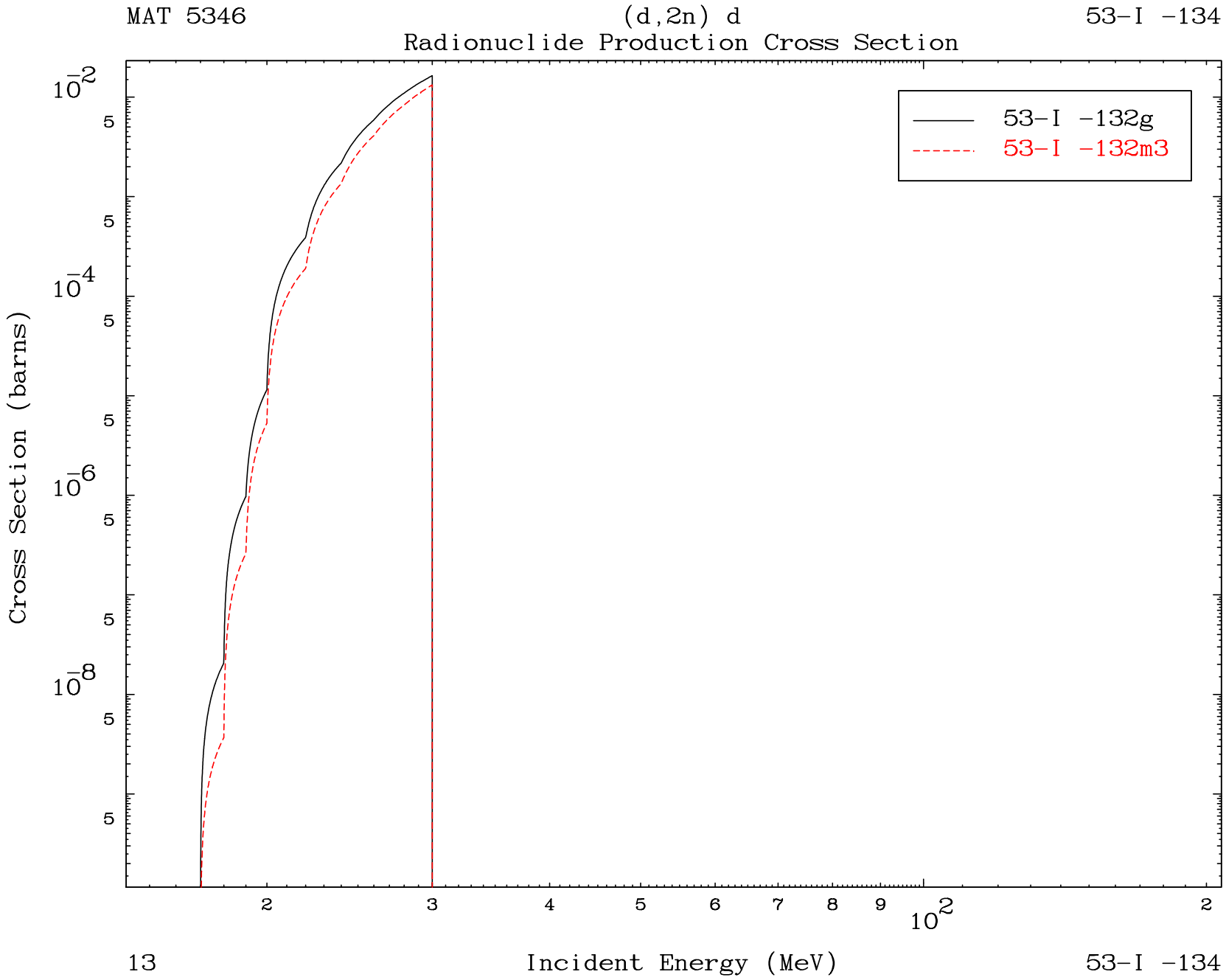

0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
10-10
10-8
10-6
10-4
10-2
100
102
Incident Energy (MeV)

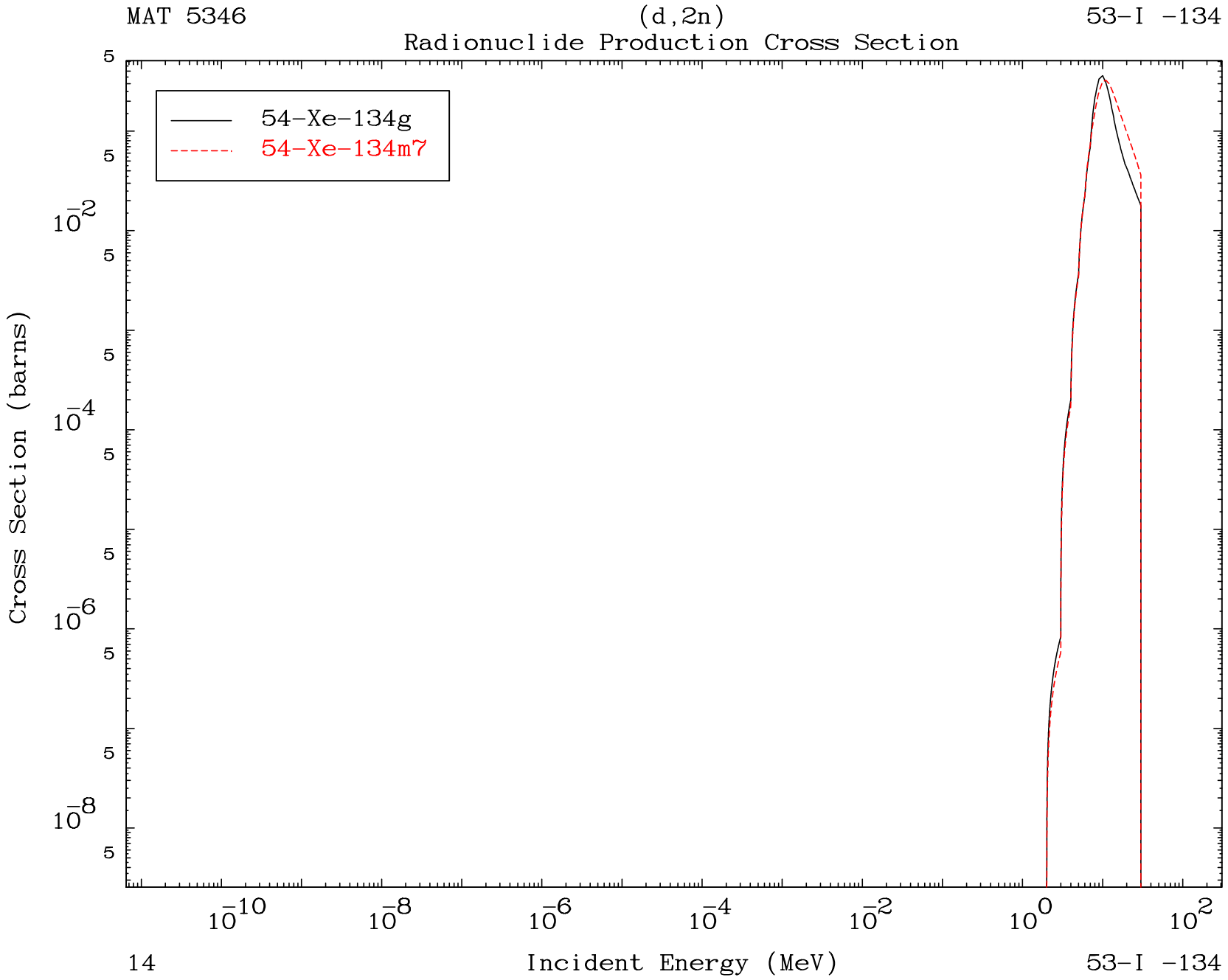
0 Kelvin Cross Sections

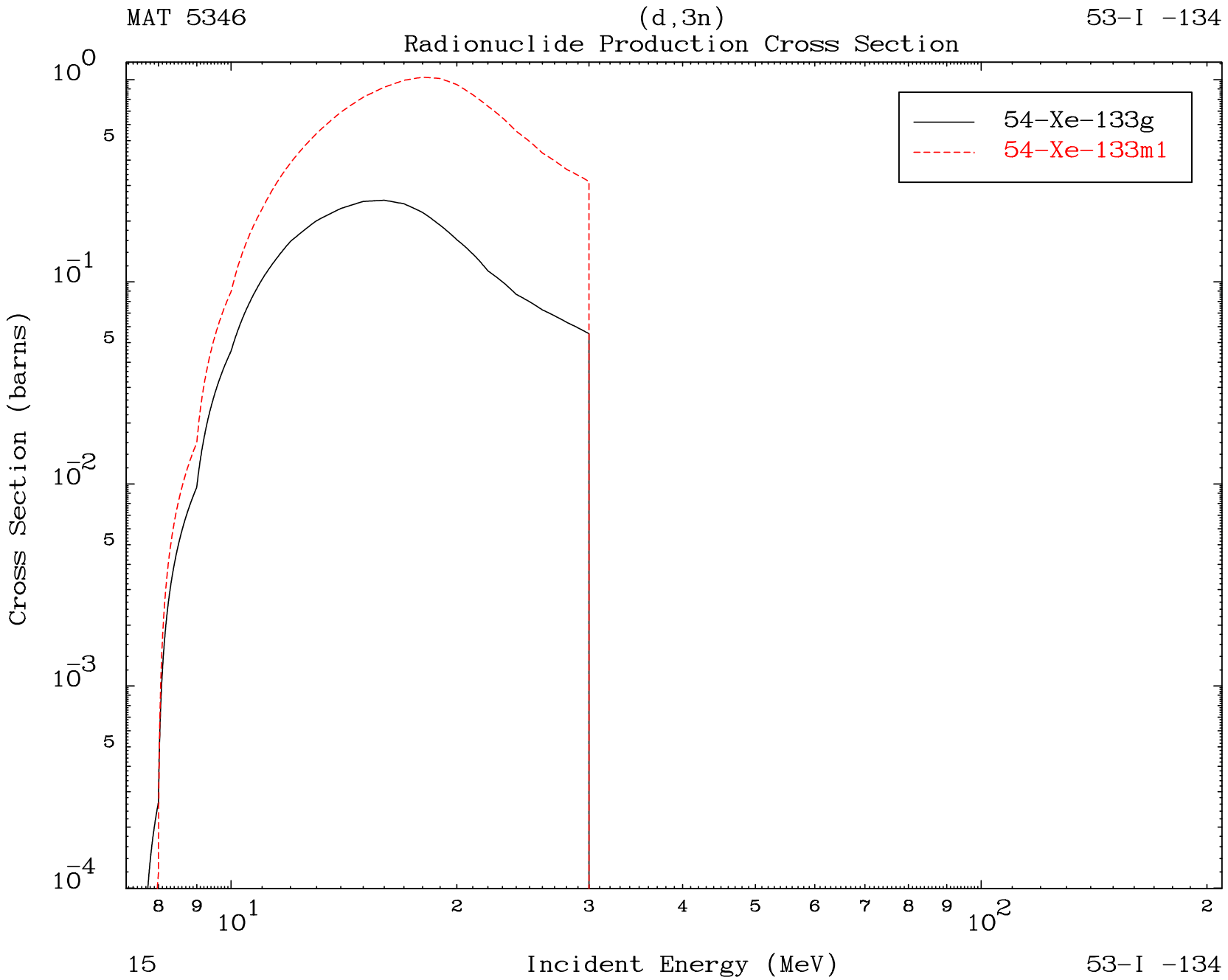


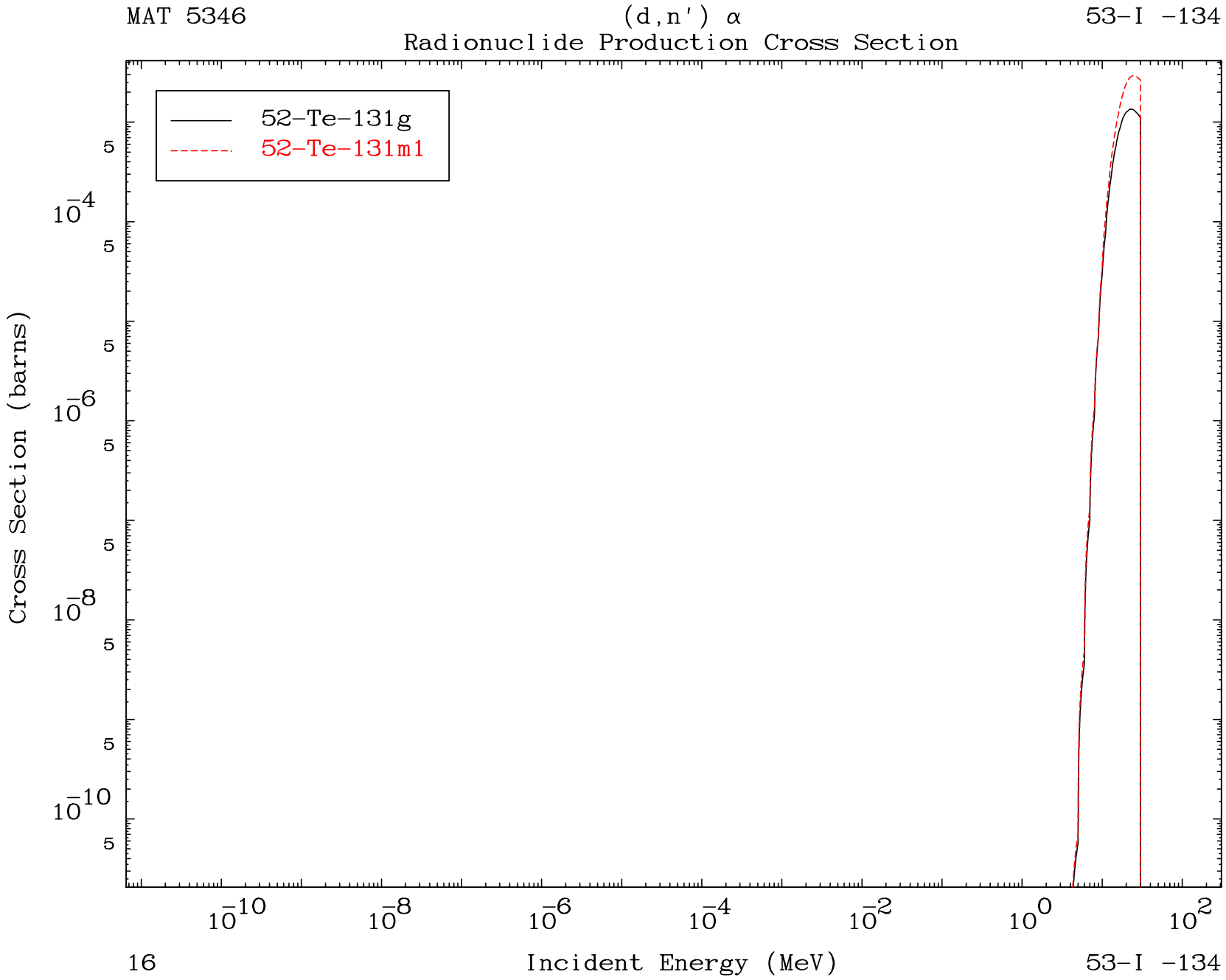

0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)

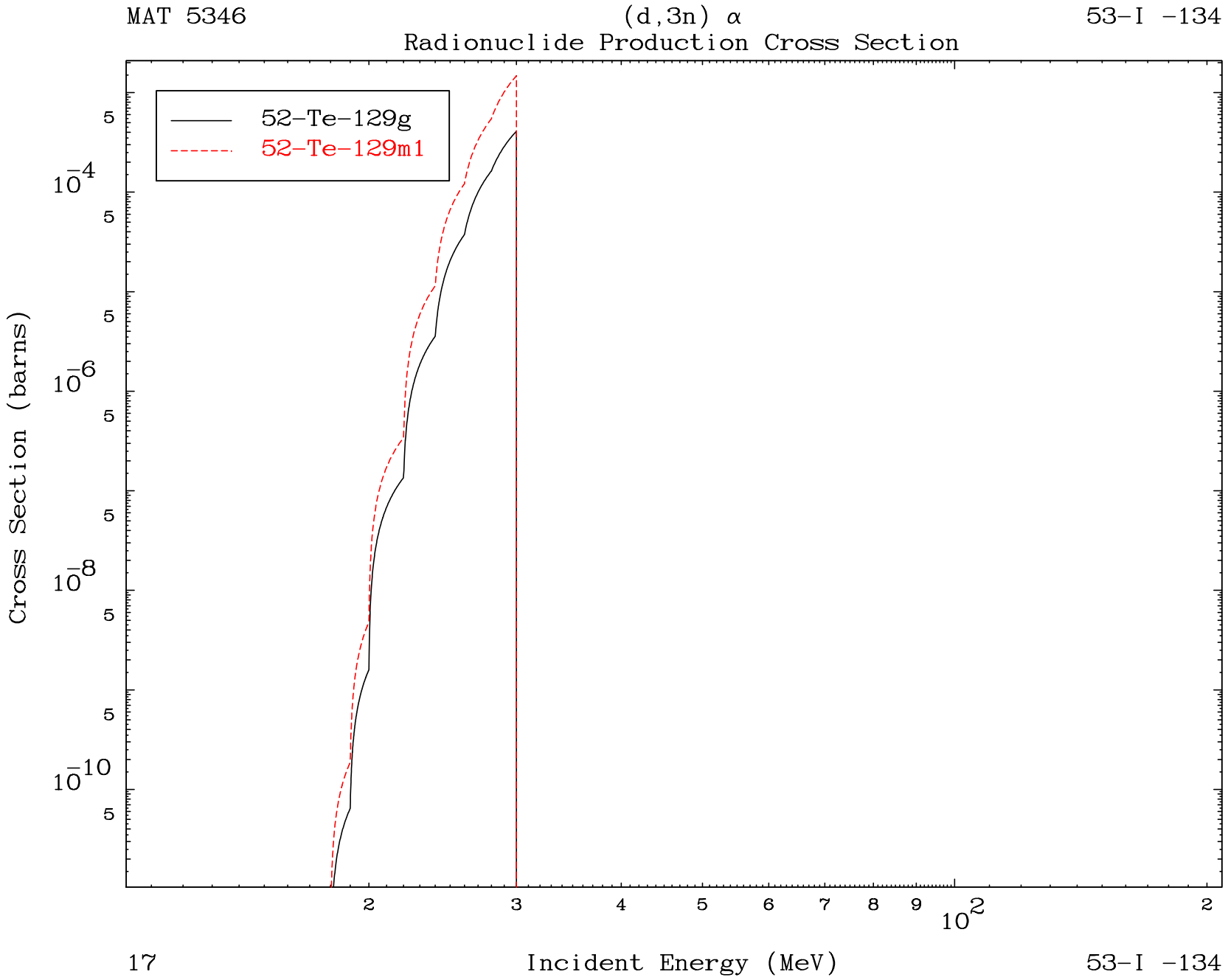

MAT 5346
Deuteron Inelastic
53-I -134
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
Incident Energy (MeV)
12
53-I -134

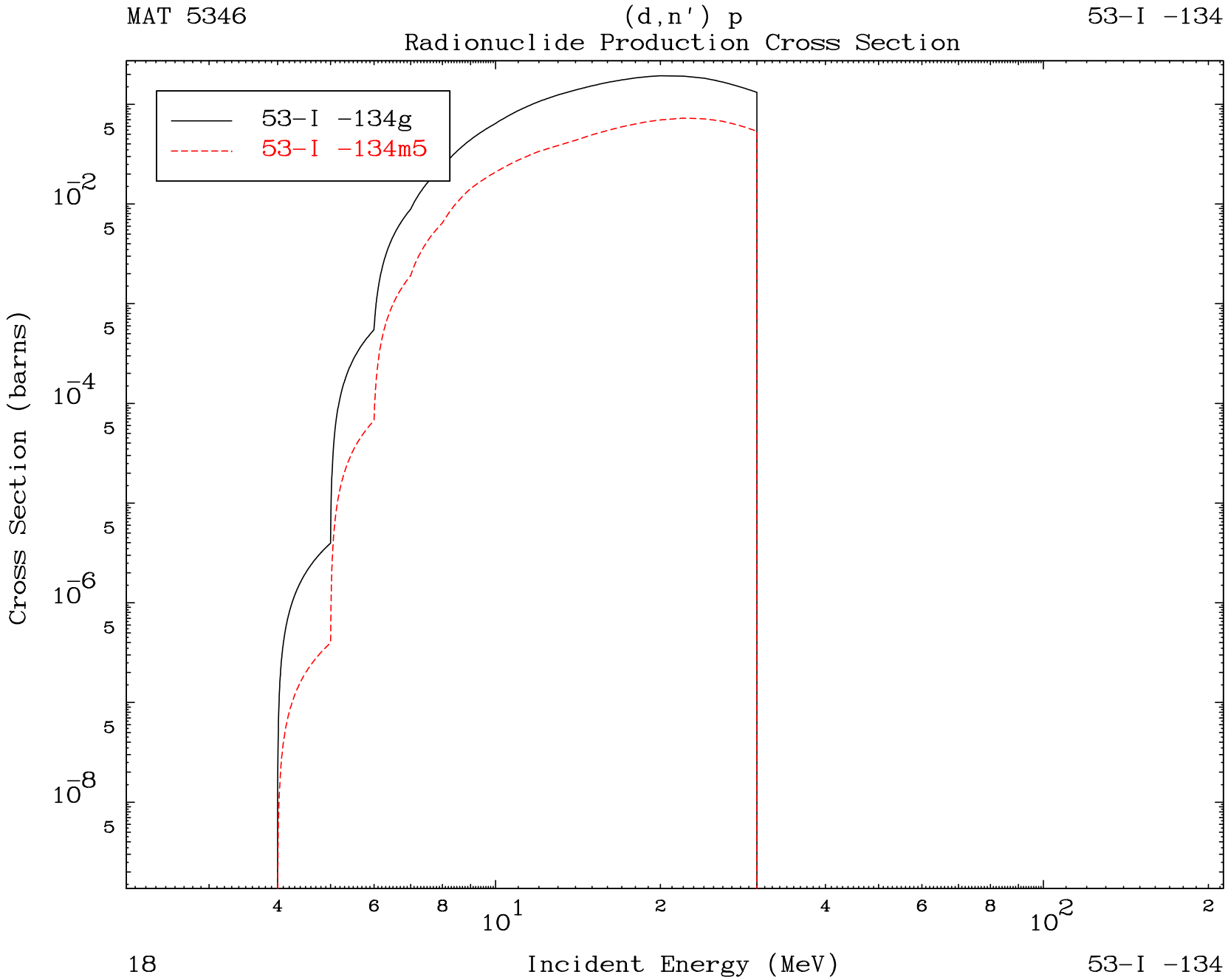

MAT 5346
(d,2n) d
53-I -134
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
53-I -134

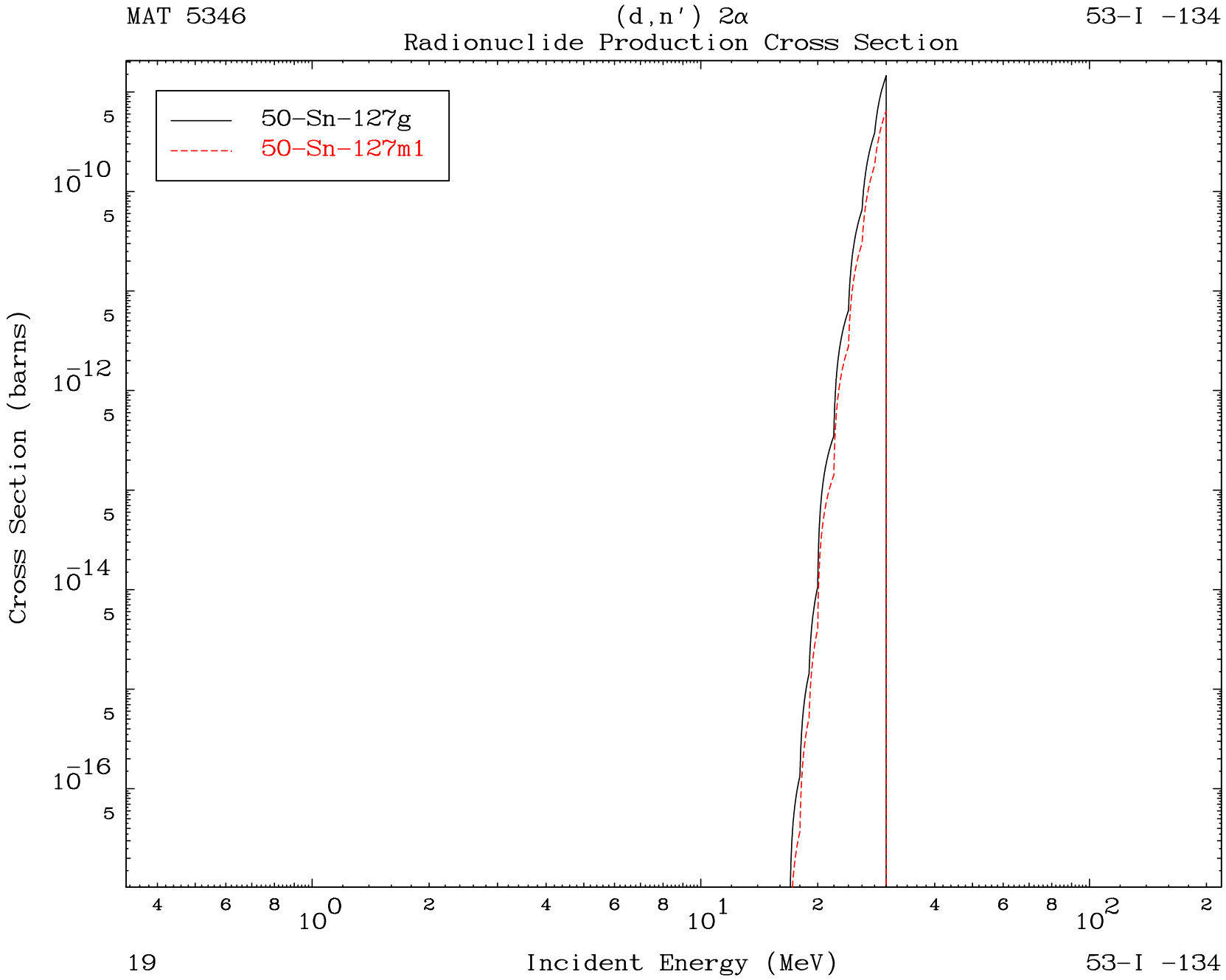

MAT 5346
(d,2n)
53-I -134
Radionuclide Production Cross Section
54-Xe-134g
54-Xe-134m7
Cross Section (barns)
Incident Energy (MeV)
14
53-I -134

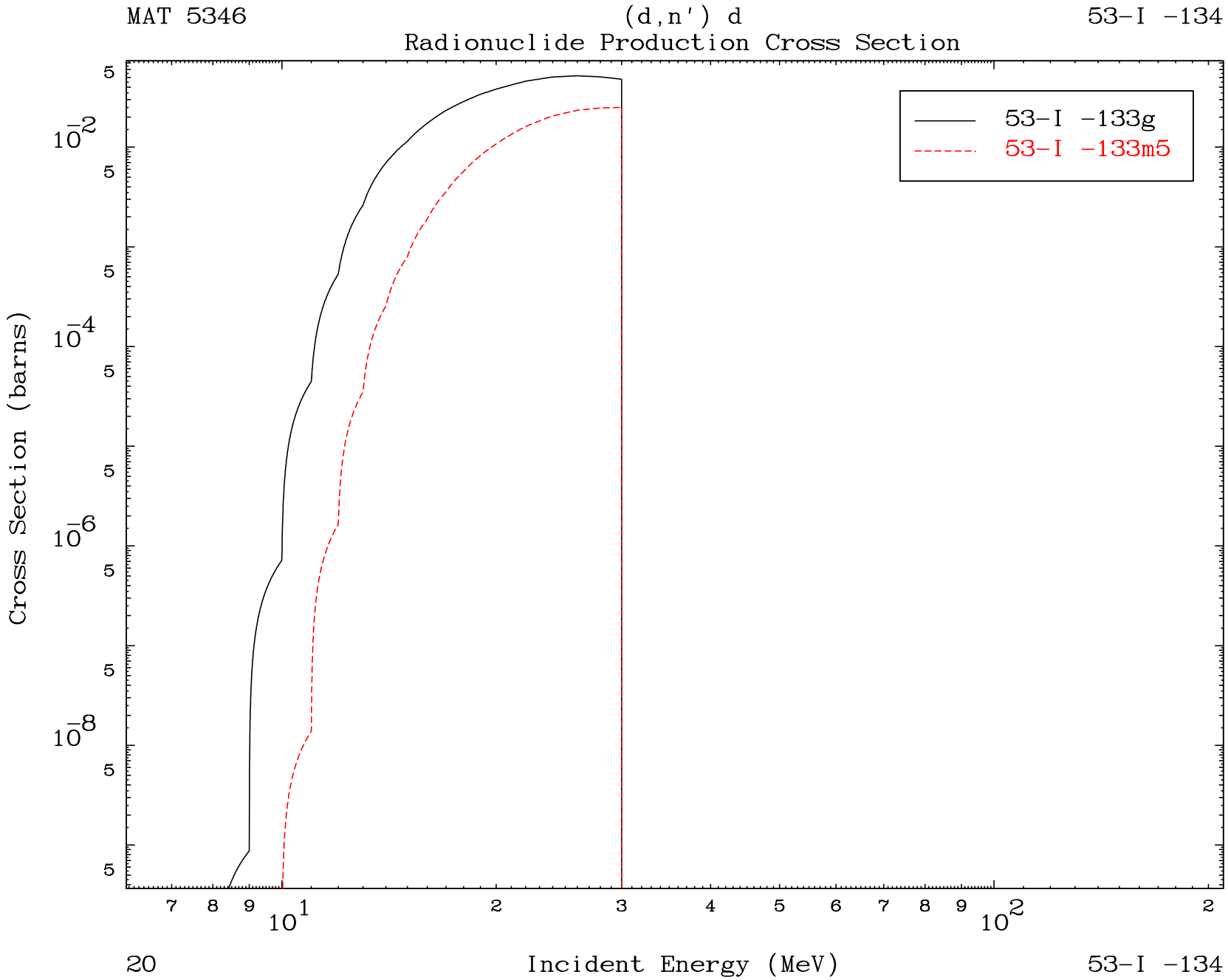

MAT 5346
(d,3n)
53-I -134
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
15
53-I -134

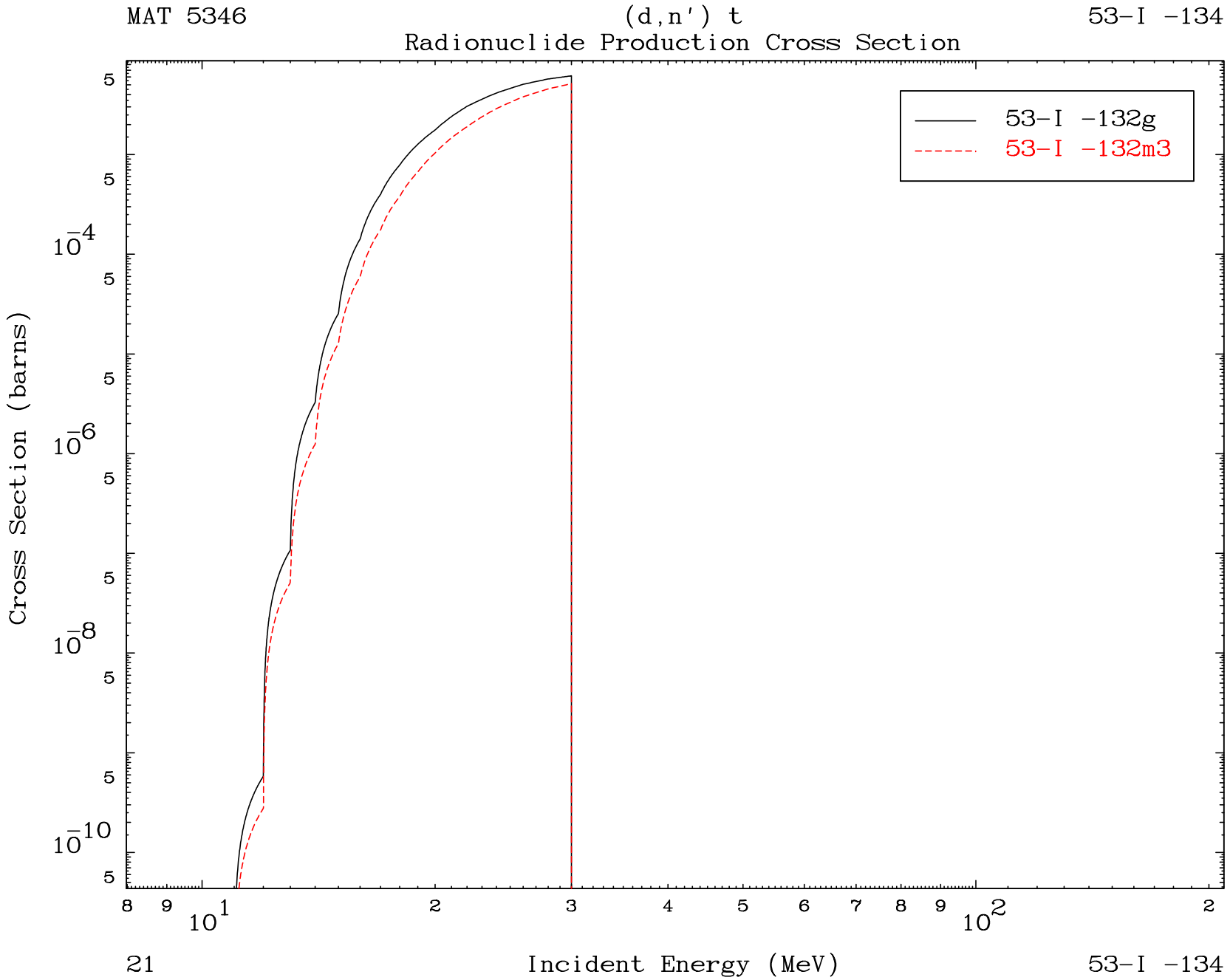

MAT 5346
(d,n') α
53-I -134
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
Incident Energy (MeV)
16
53-I -134

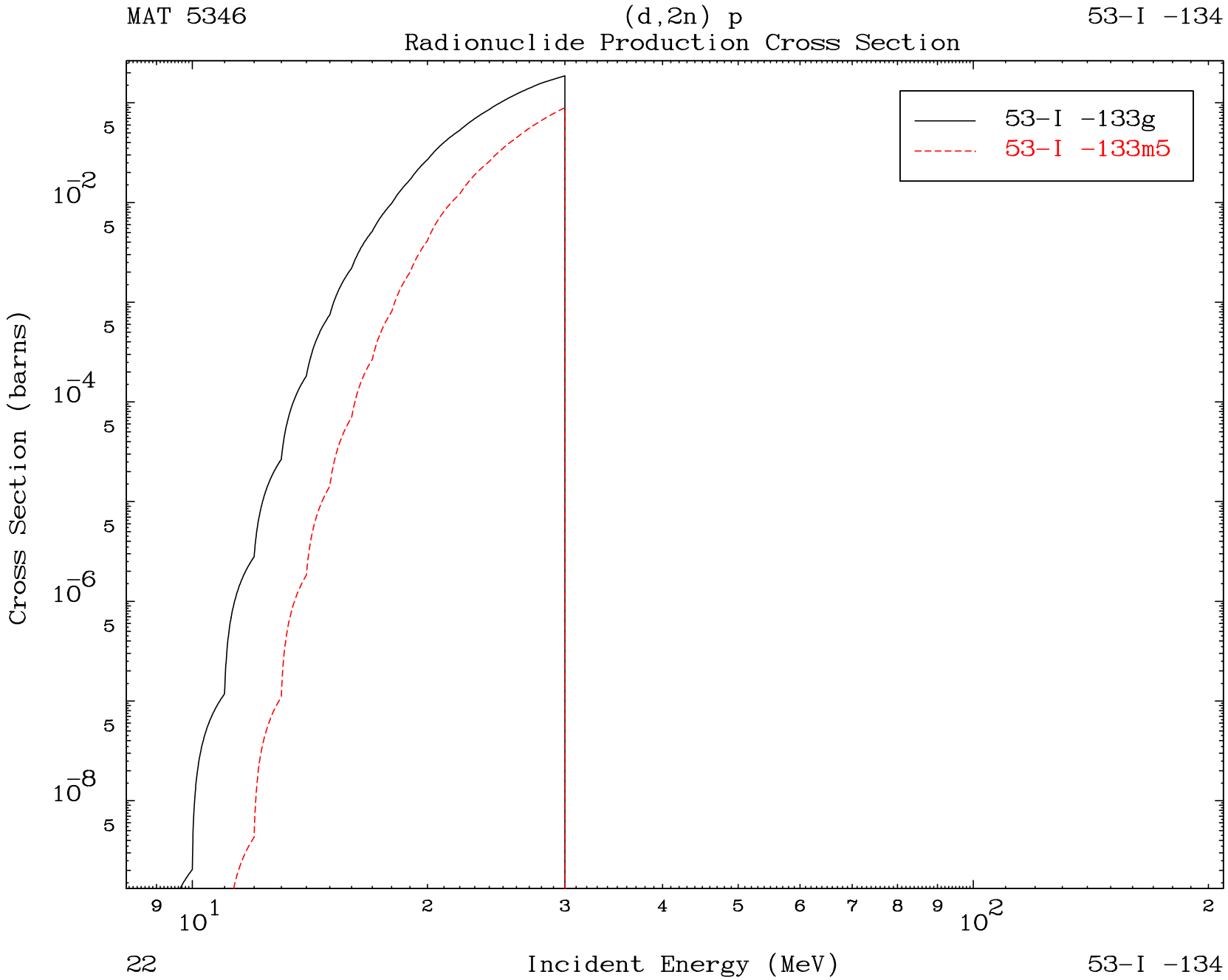

MAT 5346
(d,3n) α
53-I -134
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
17
53-I -134

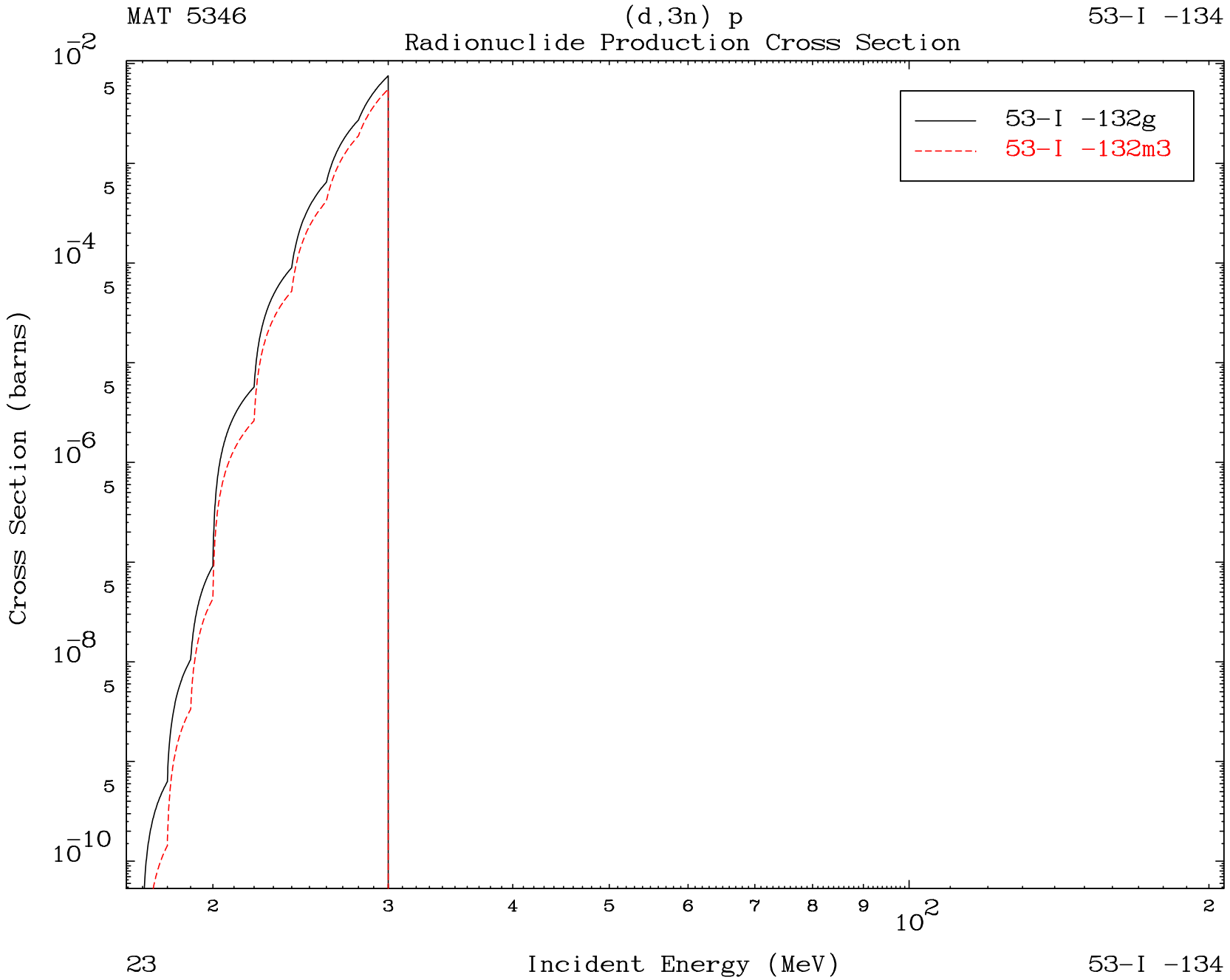

MAT 5346
(d,n') p
53-I -134
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
18
Incident Energy (MeV)
53-I -134

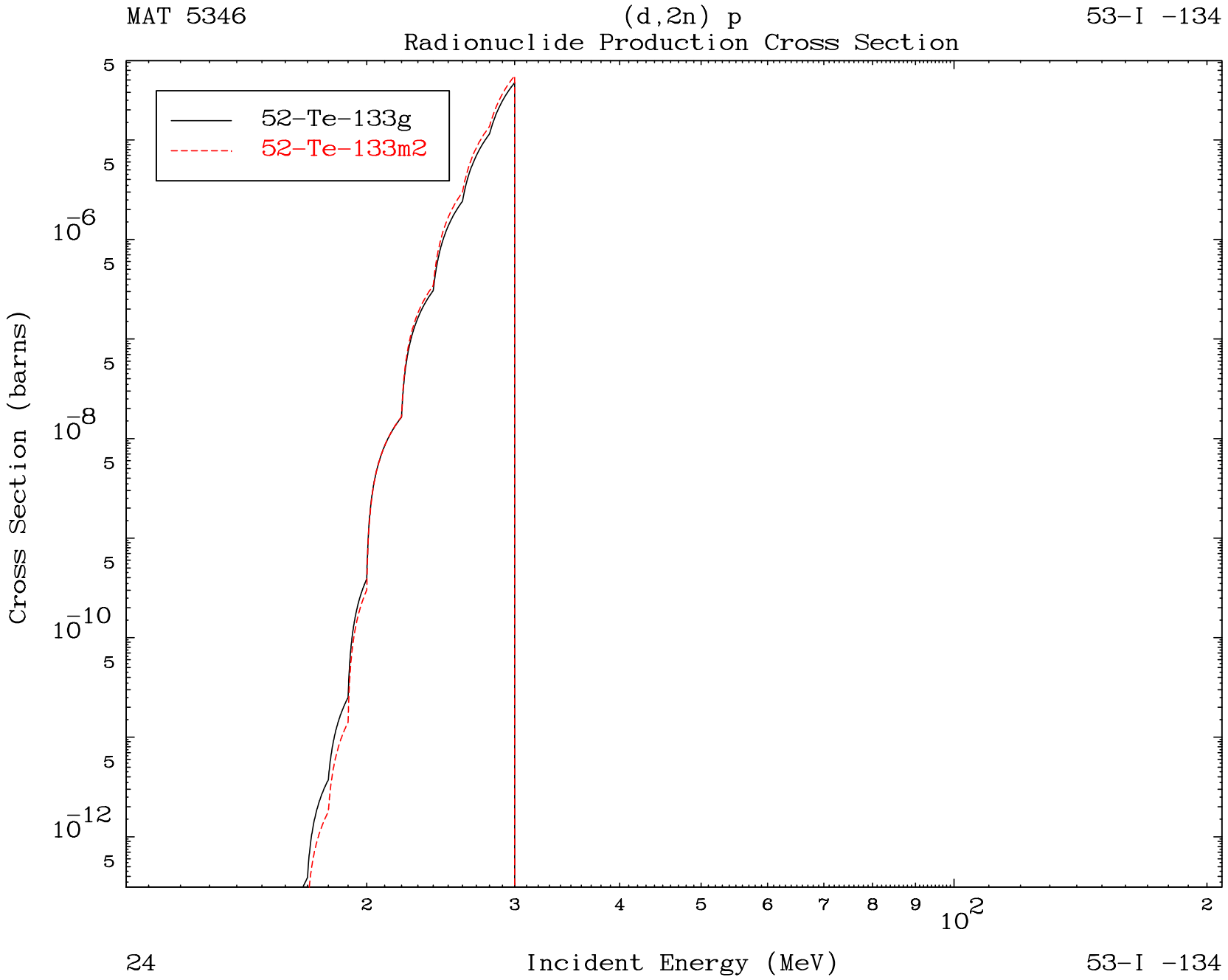

MAT 5346
(d,n') 2α
53-I -134
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
10-10
10-12
10-14
10-16
100
101
102
Incident Energy (MeV)
19
53-I -134

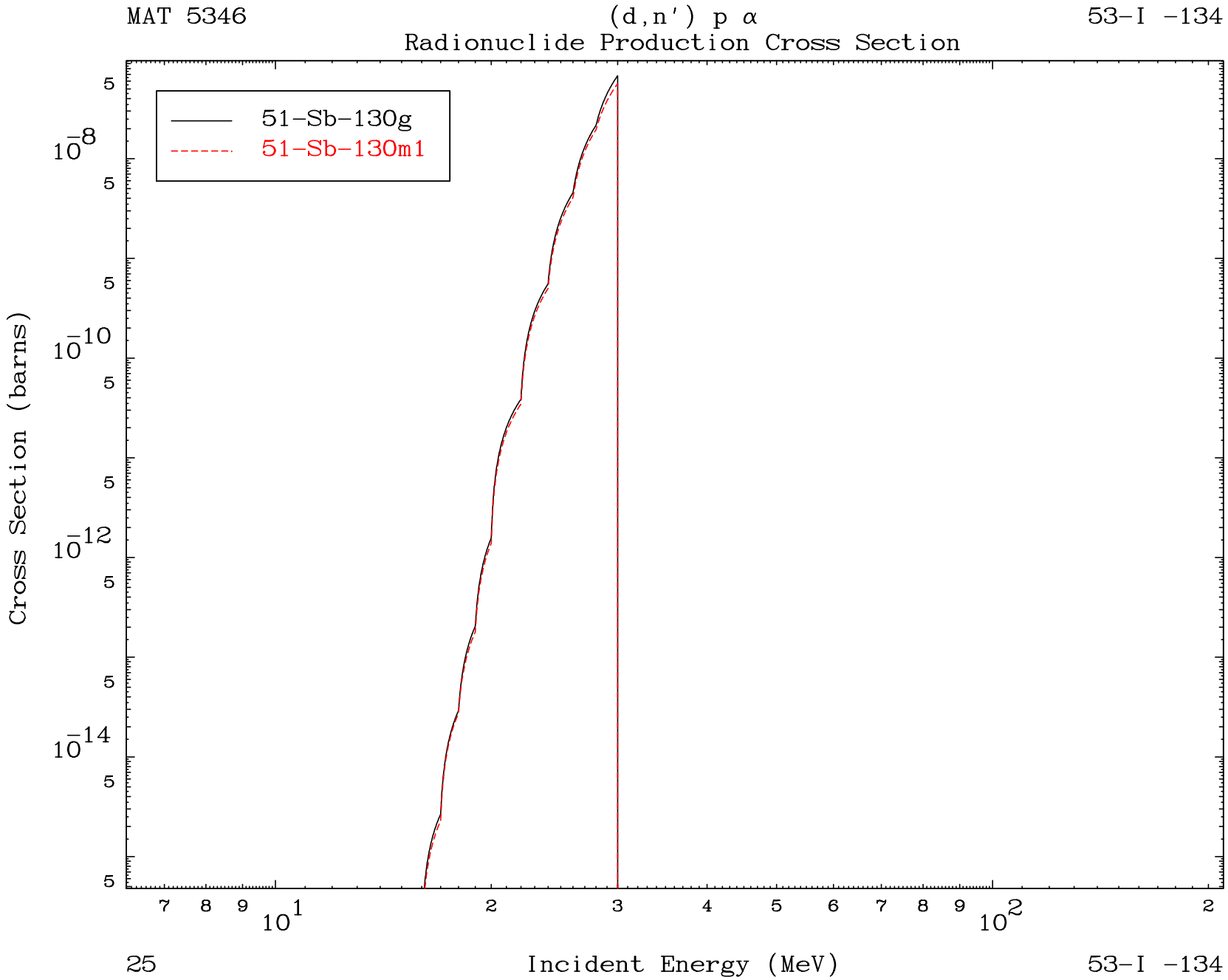

MAT 5346
(d,n') d
53-I -134
Radionuclide Production Cross Section
53-I -133g
53-I -133m5
Cross Section (barns)
Incident Energy (MeV)
20
53-I -134

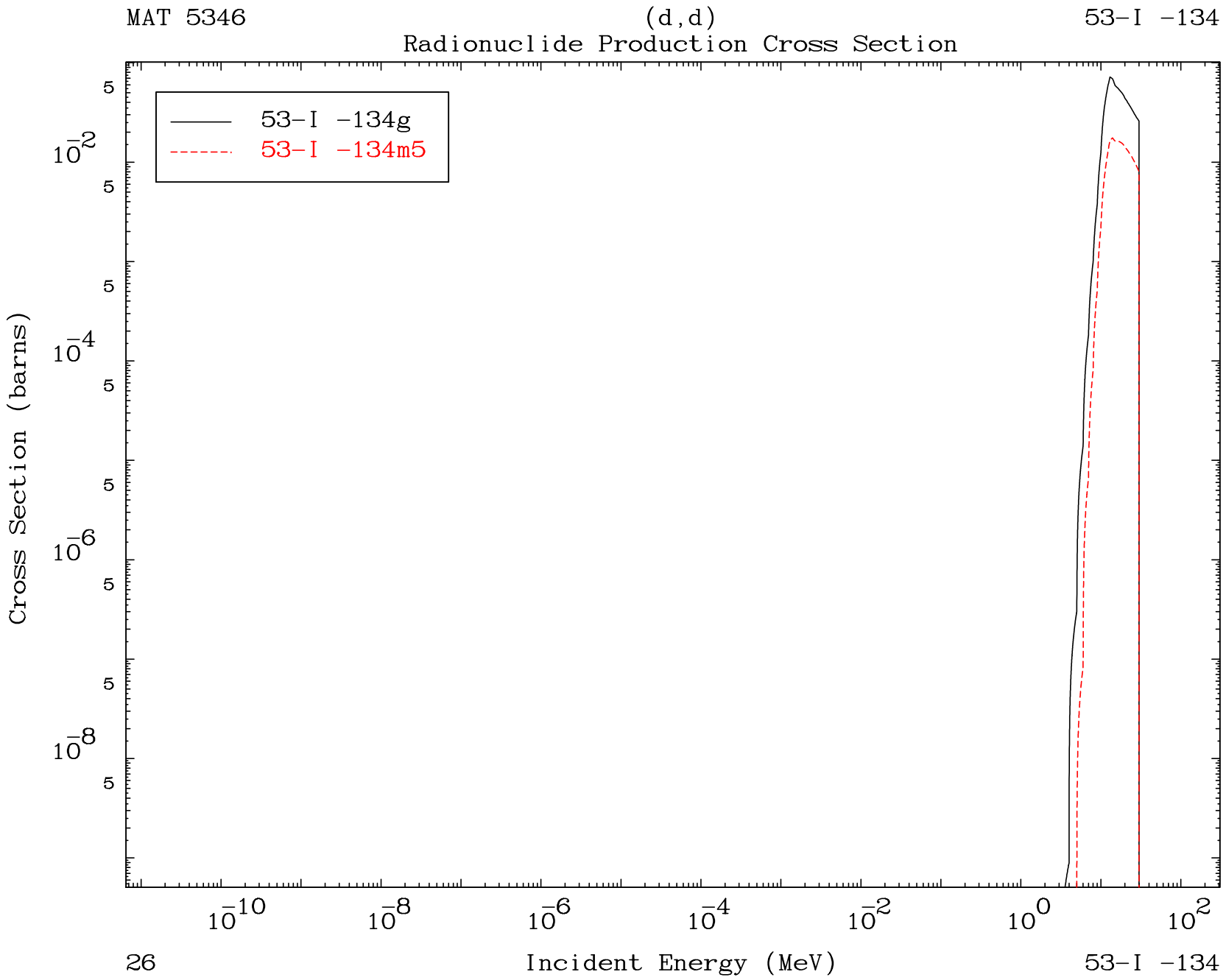

MAT 5346
(d,n') t
53-I -134
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
Incident Energy (MeV)
21
53-I -134

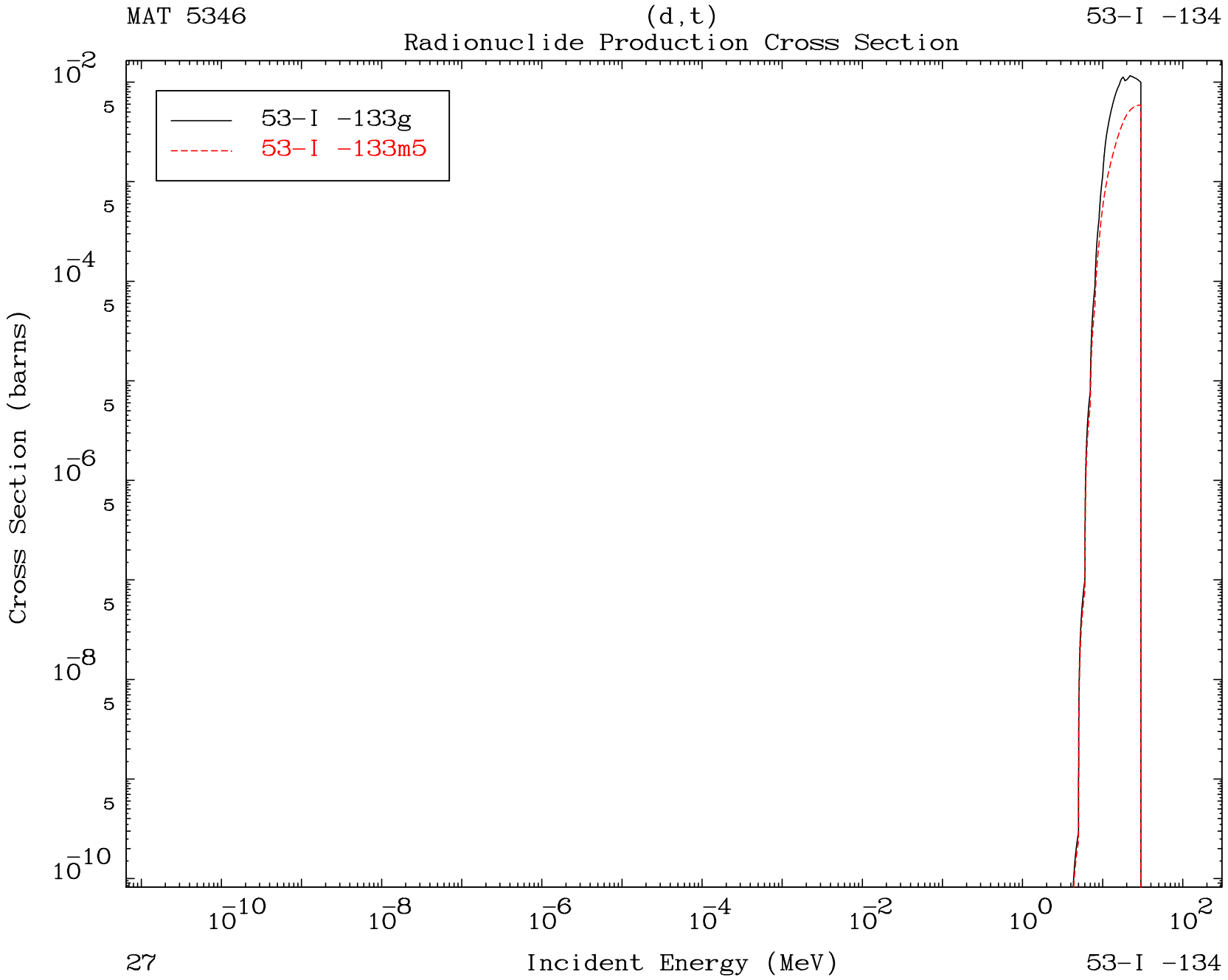

MAT 5346
(d,2n) p
53-I -134
Radionuclide Production Cross Section
53-I -133g
53-I -133m5
Cross Section (barns)
10-2
10-4
10-6
10-8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
53-I -134

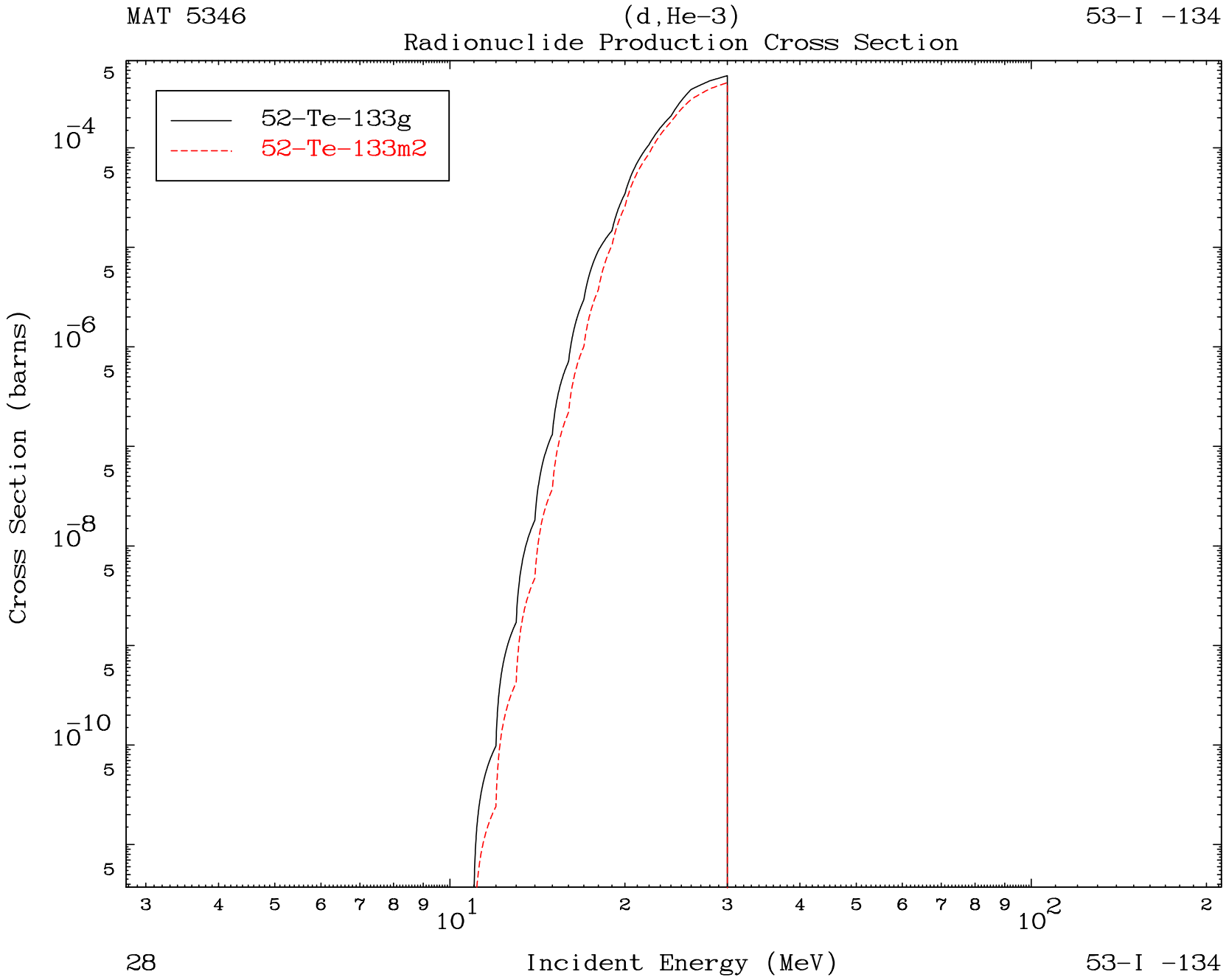

MAT 5346
(d,3n) p
53-I -134
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
Incident Energy (MeV)
23
53-I -134

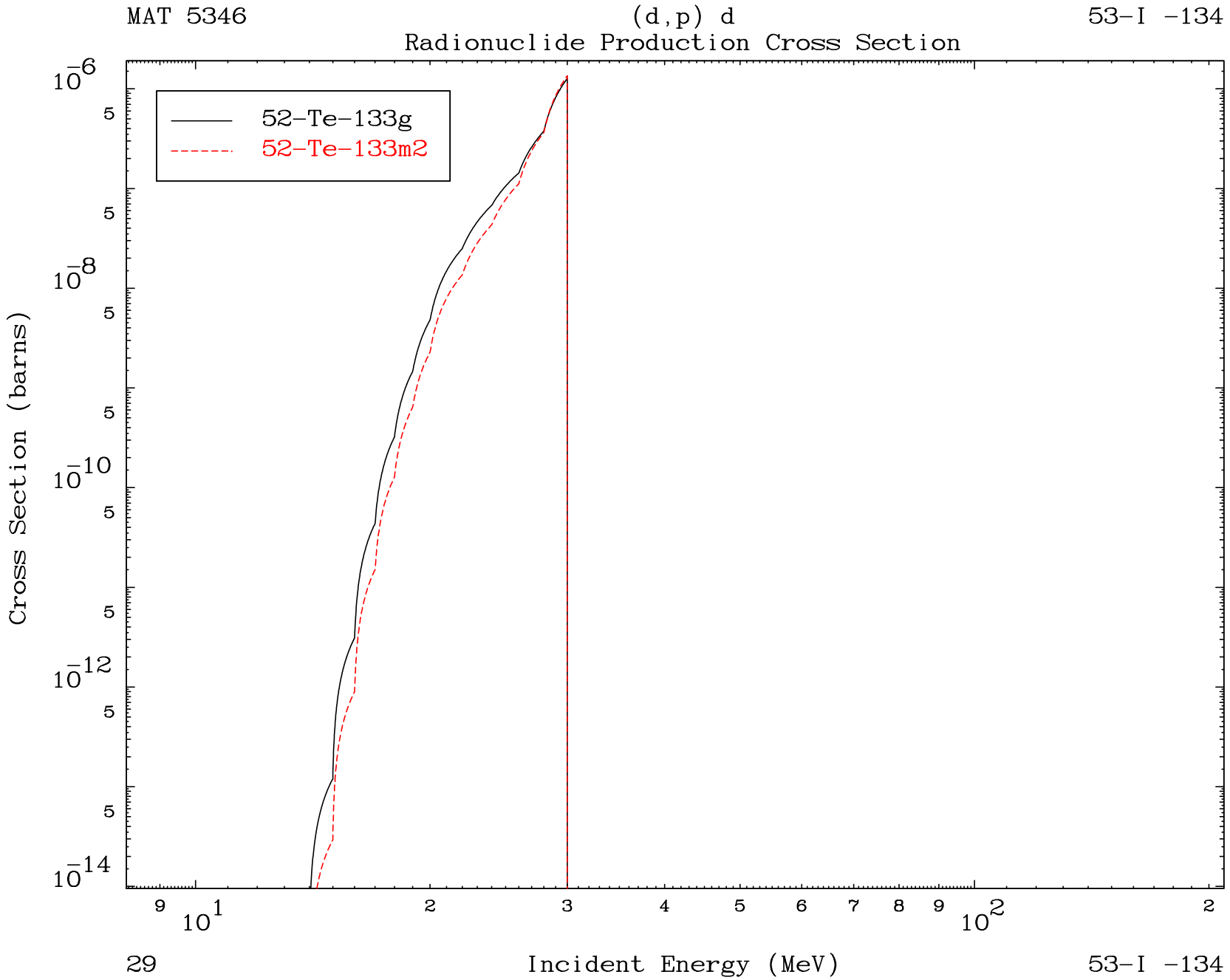

MAT 5346
(d,2n) p
53-I -134
Radionuclide Production Cross Section
52-Te-133g
52-Te-133m2
Cross Section (barns)
Incident Energy (MeV)
24
53-I -134

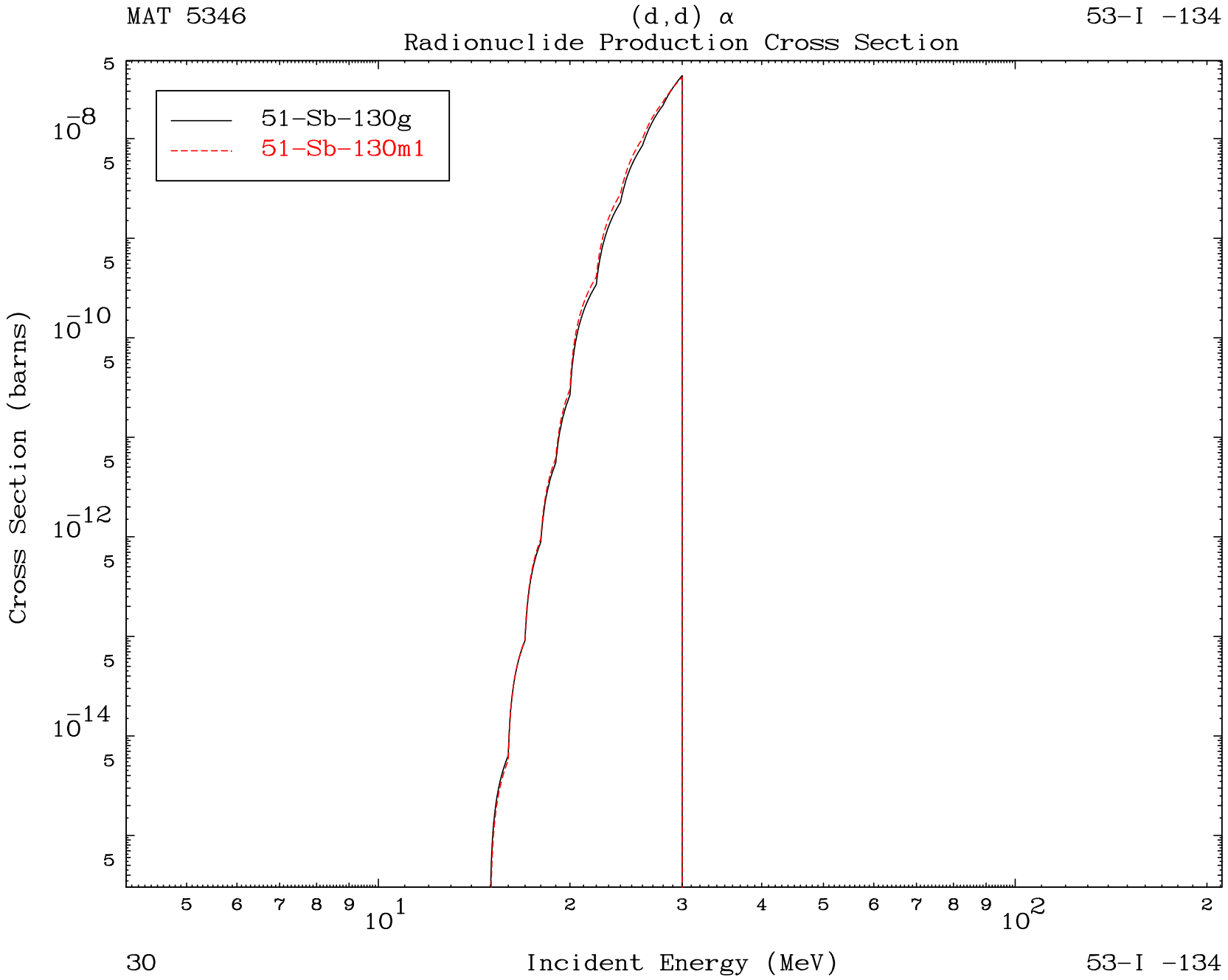

MAT 5346
(d,n') p α
53-I -134
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
Incident Energy (MeV)
25
53-I -134


MAT 5346
(d,d)
53-I -134
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
Incident Energy (MeV)
26
53-I -134


MAT 5346
(d,t)
53-I -134
Radionuclide Production Cross Section
53-I -133g
53-I -133m5
Cross Section (barns)
Incident Energy (MeV)
27
53-I -134


MAT 5346
(d,He-3)
53-I -134
Radionuclide Production Cross Section
52-Te-133g
52-Te-133m2
Cross Section (barns)
Incident Energy (MeV)
28
53-I -134


MAT 5346
(d,p) d
53-I -134
Radionuclide Production Cross Section
52-Te-133g
52-Te-133m2
Cross Section (barns)
Incident Energy (MeV)
29
53-I -134


MAT 5346
(d,d) α
53-I -134
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
Incident Energy (MeV)
30
53-I -134