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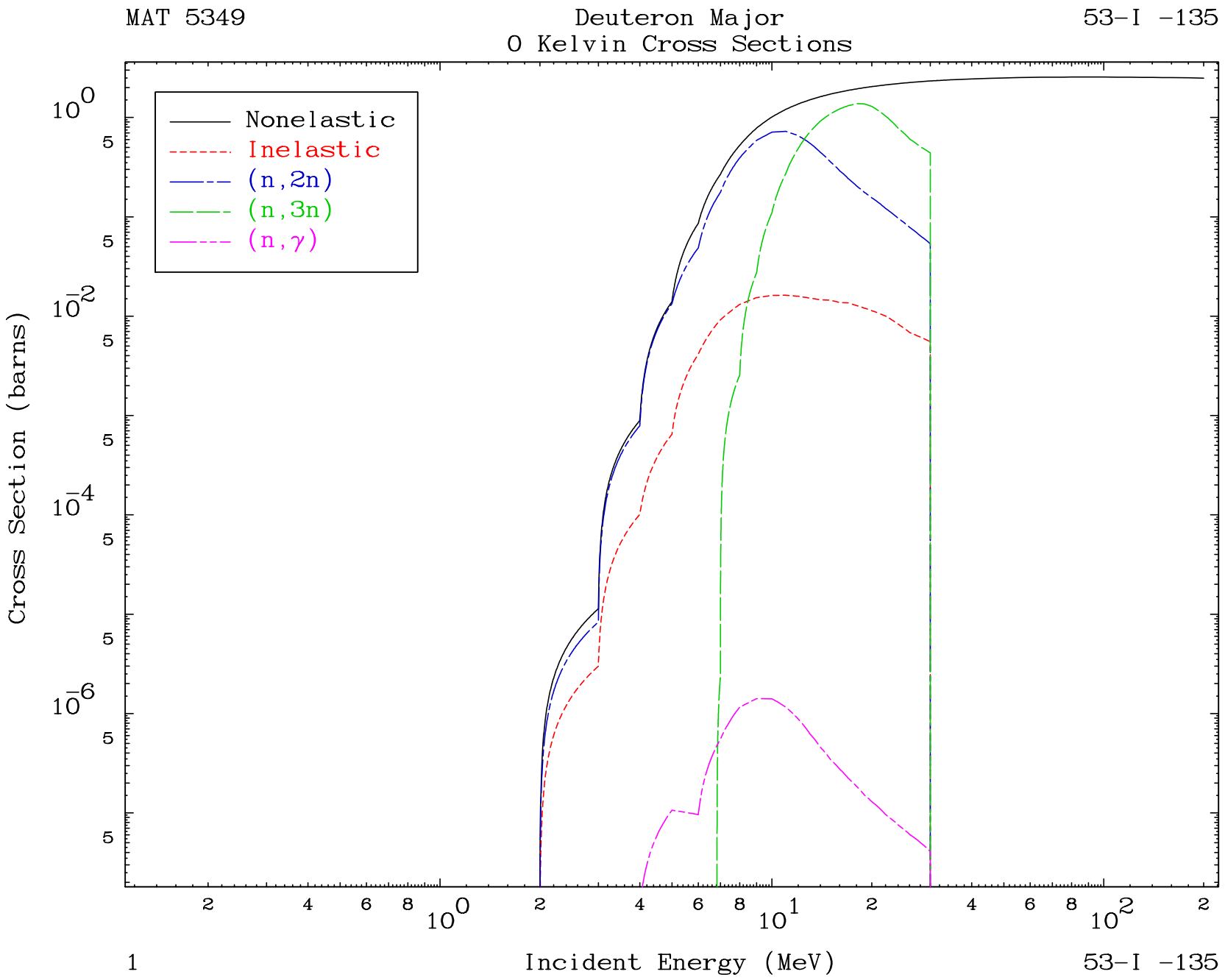
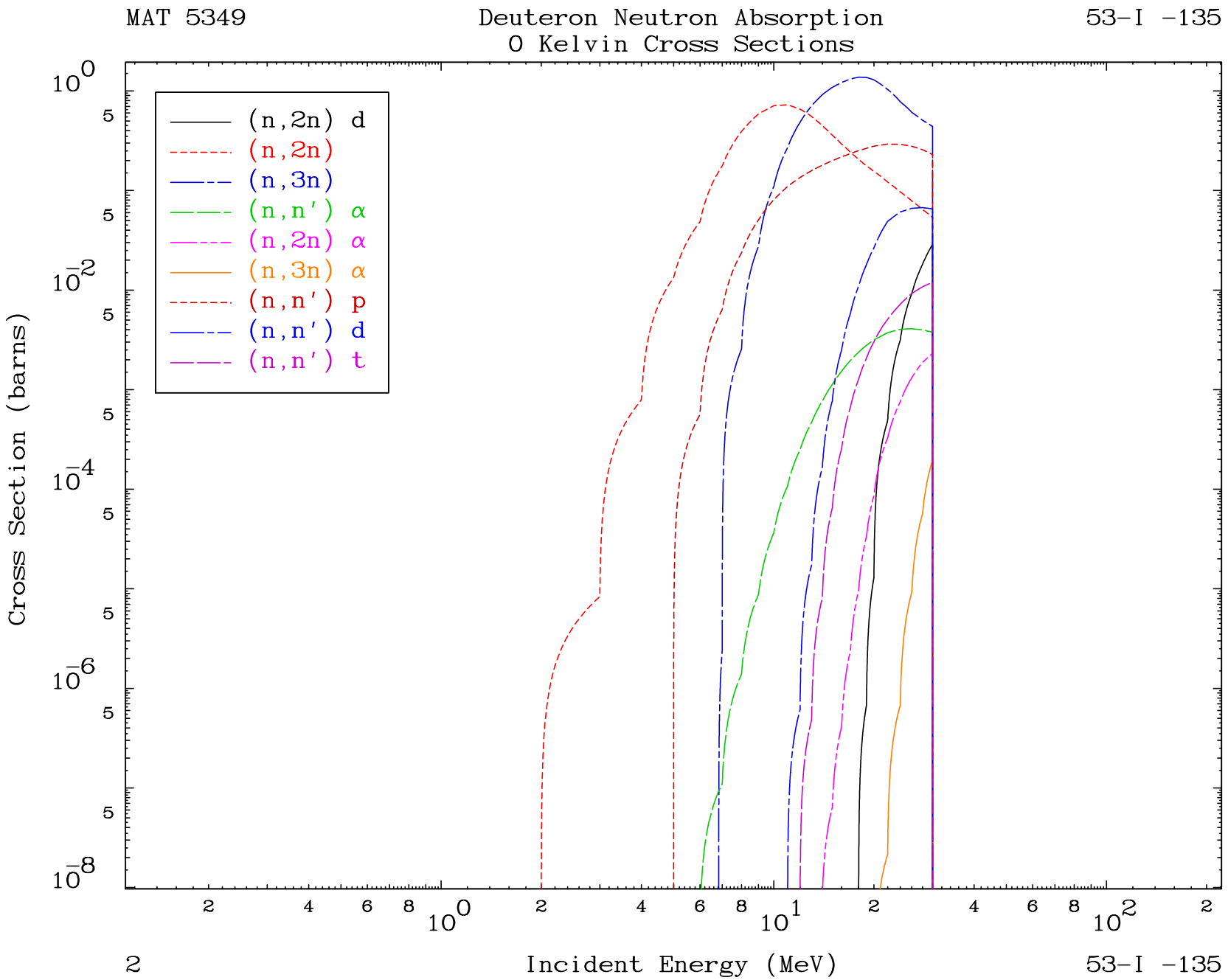
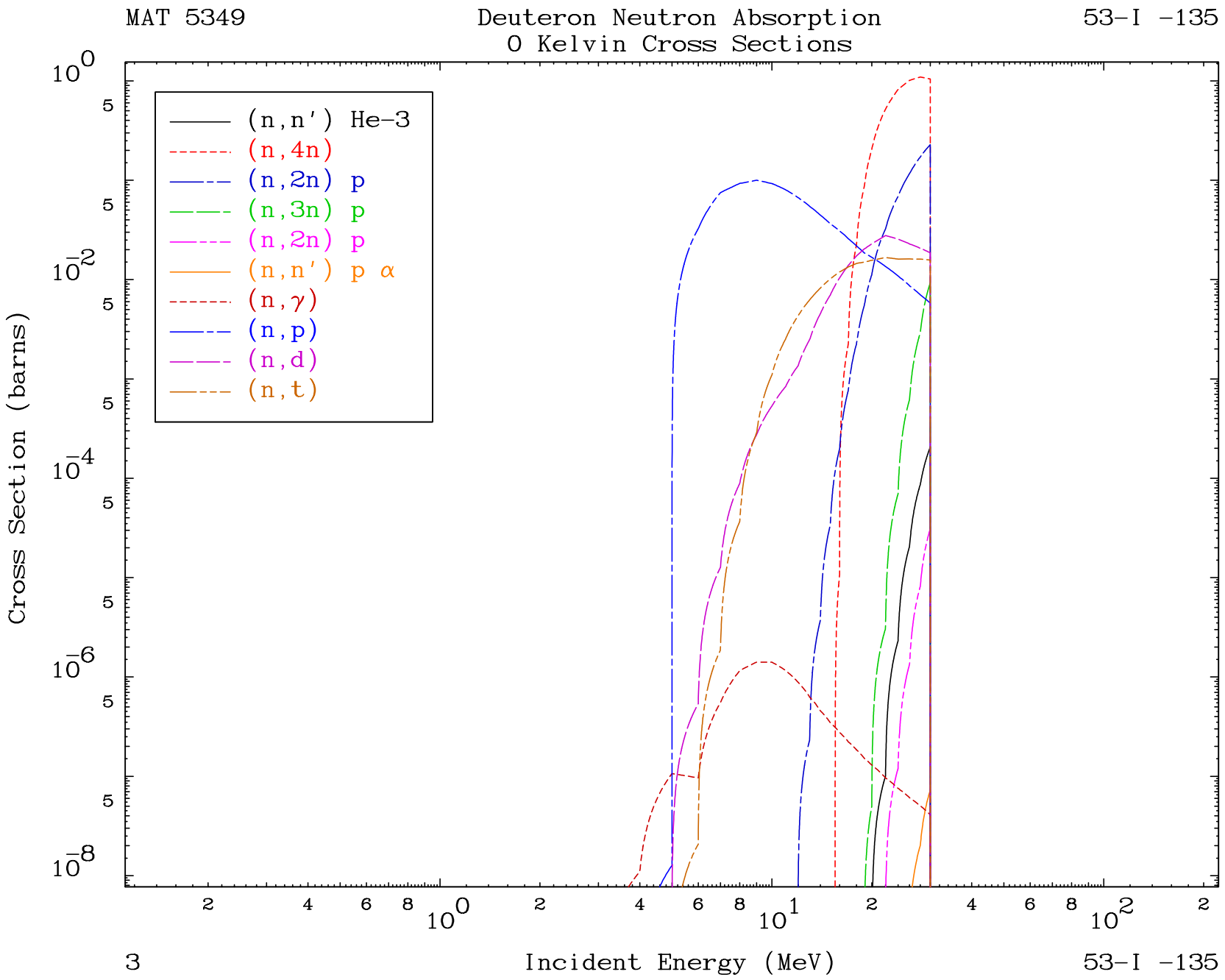
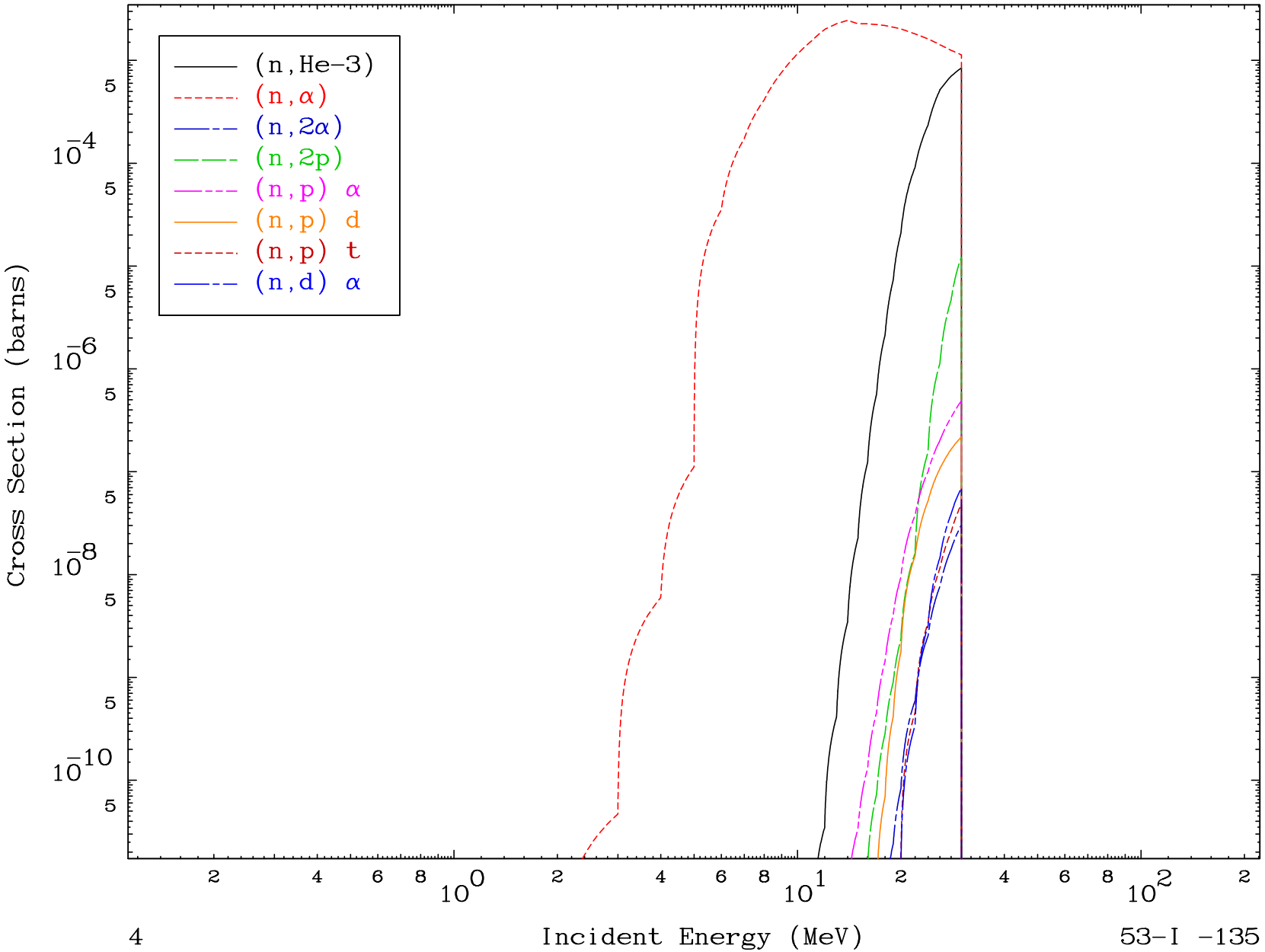
Press Mouse Button to Start

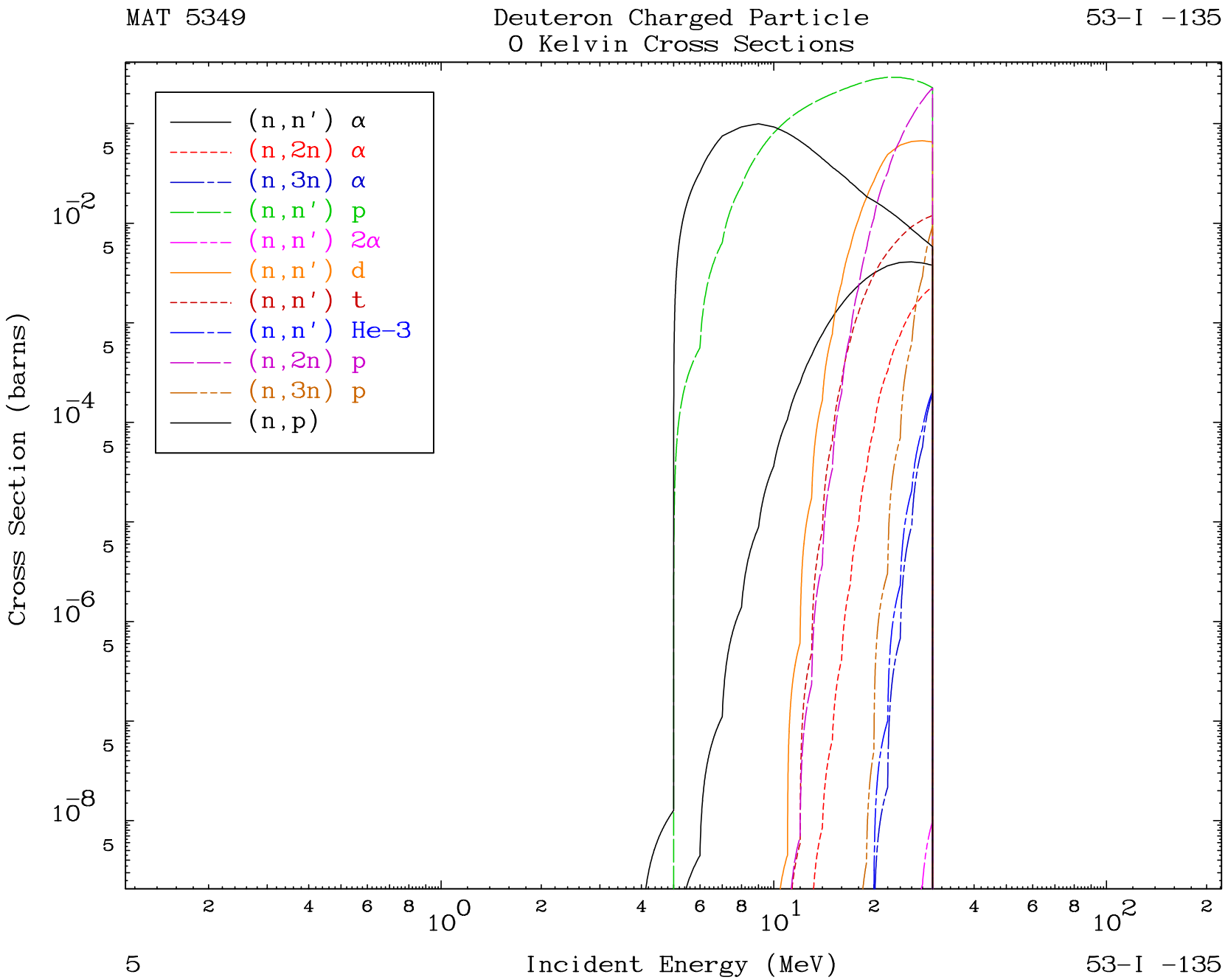

MAT 5349
Deuteron Major
53-I -135
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -135


MAT 5349
Deuteron Neutron Absorption
0 Kelvin Cross Sections
53-I -135
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
53-I -135

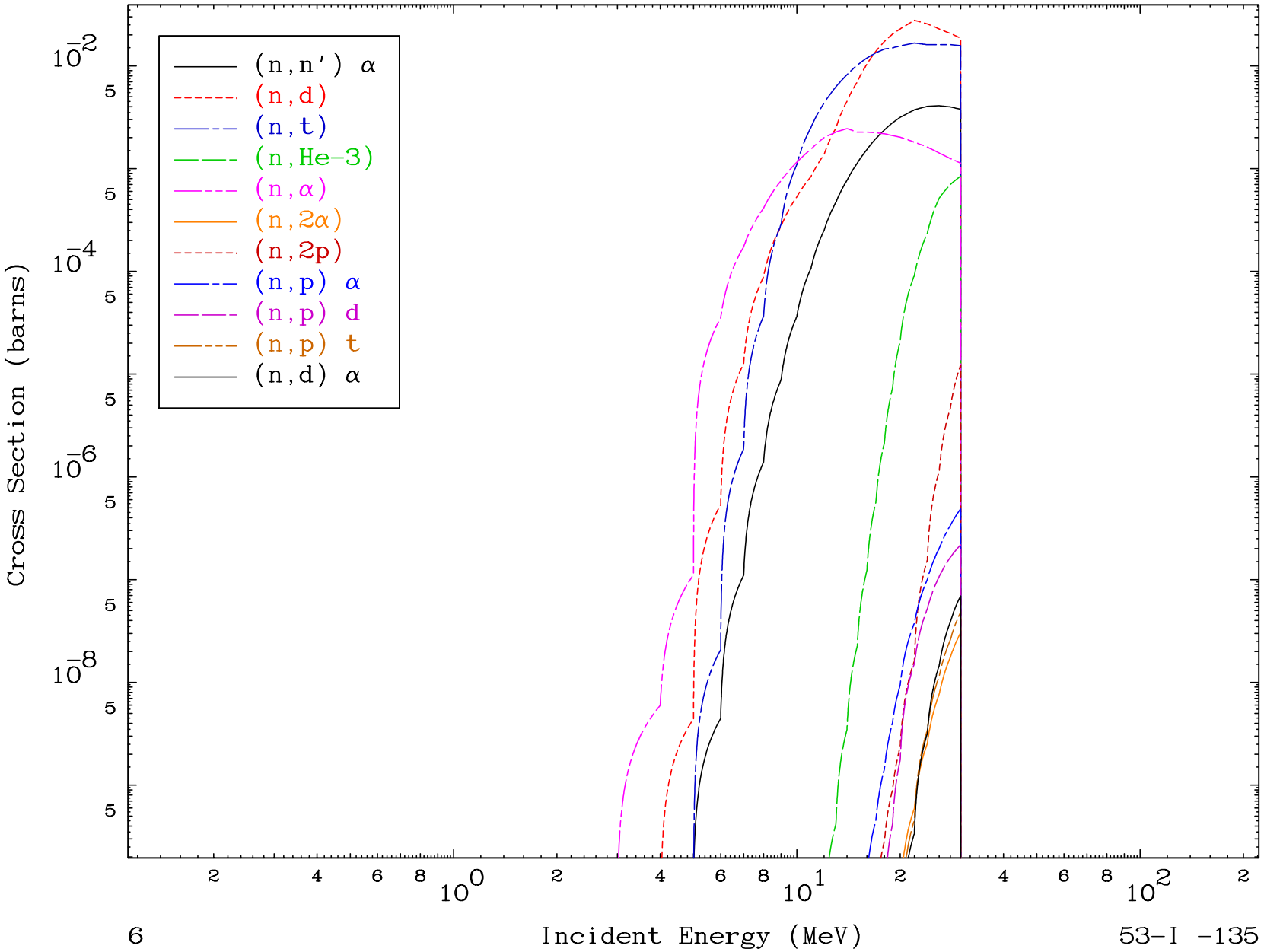

MAT 5349
Deuteron Neutron Absorption
0 Kelvin Cross Sections
53-I -135
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
53-I -135

Deuteron Neutron Absorption
0 Kelvin Cross Sections

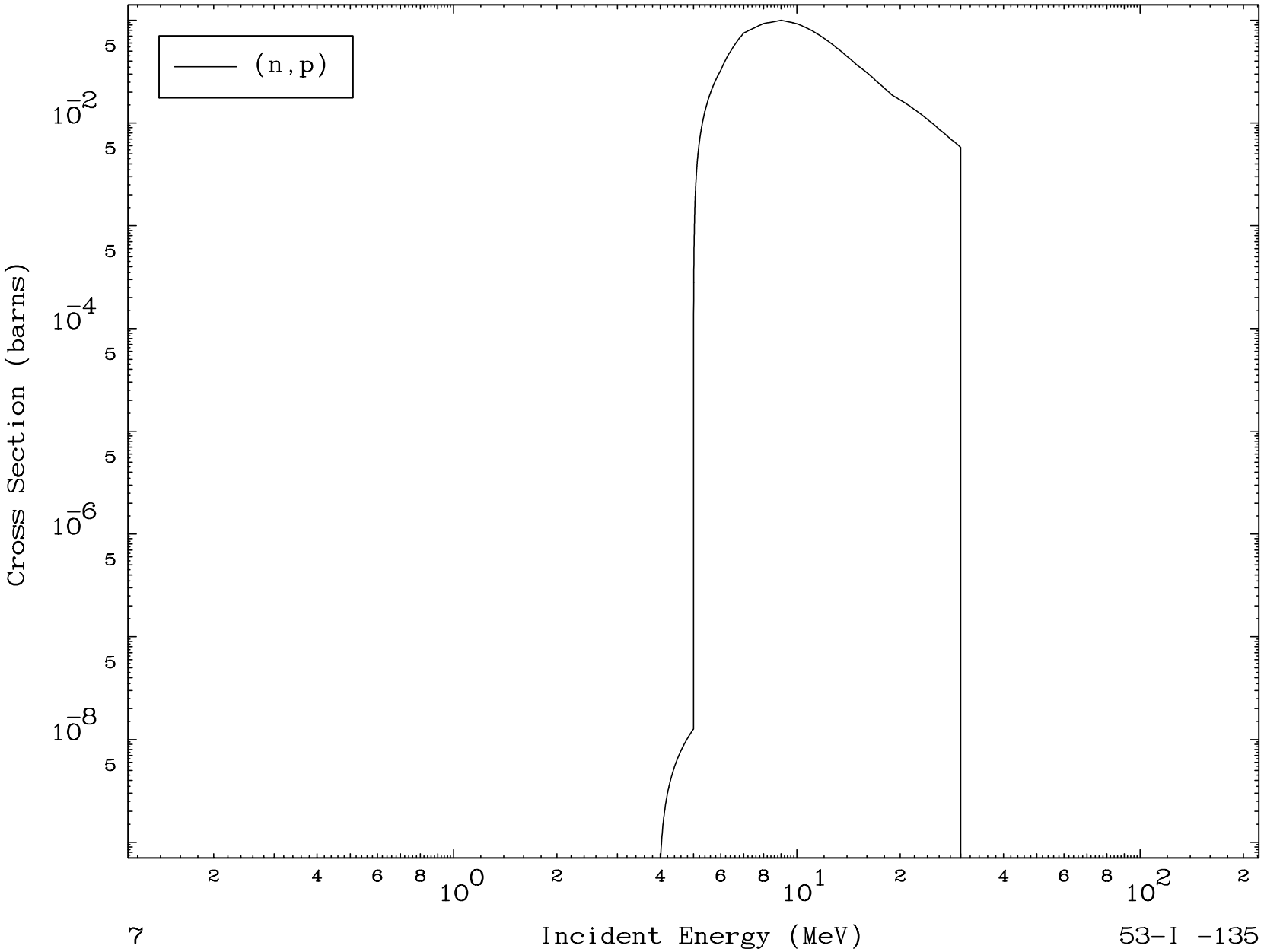



MAT 5349
Deuteron Charged Particle
0 Kelvin Cross Sections
53-I -135
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
53-I -135

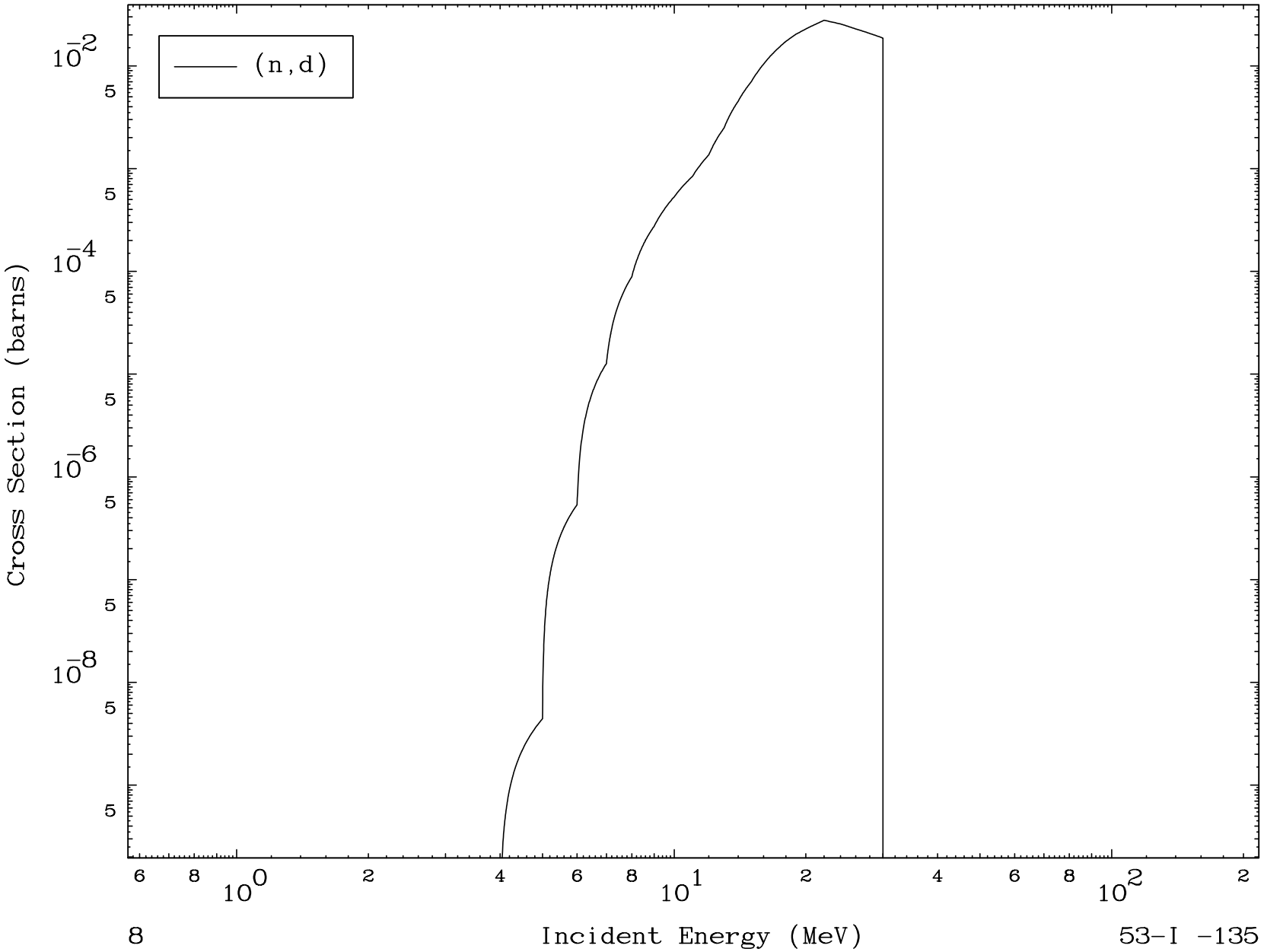
0 Kelvin Cross Sections



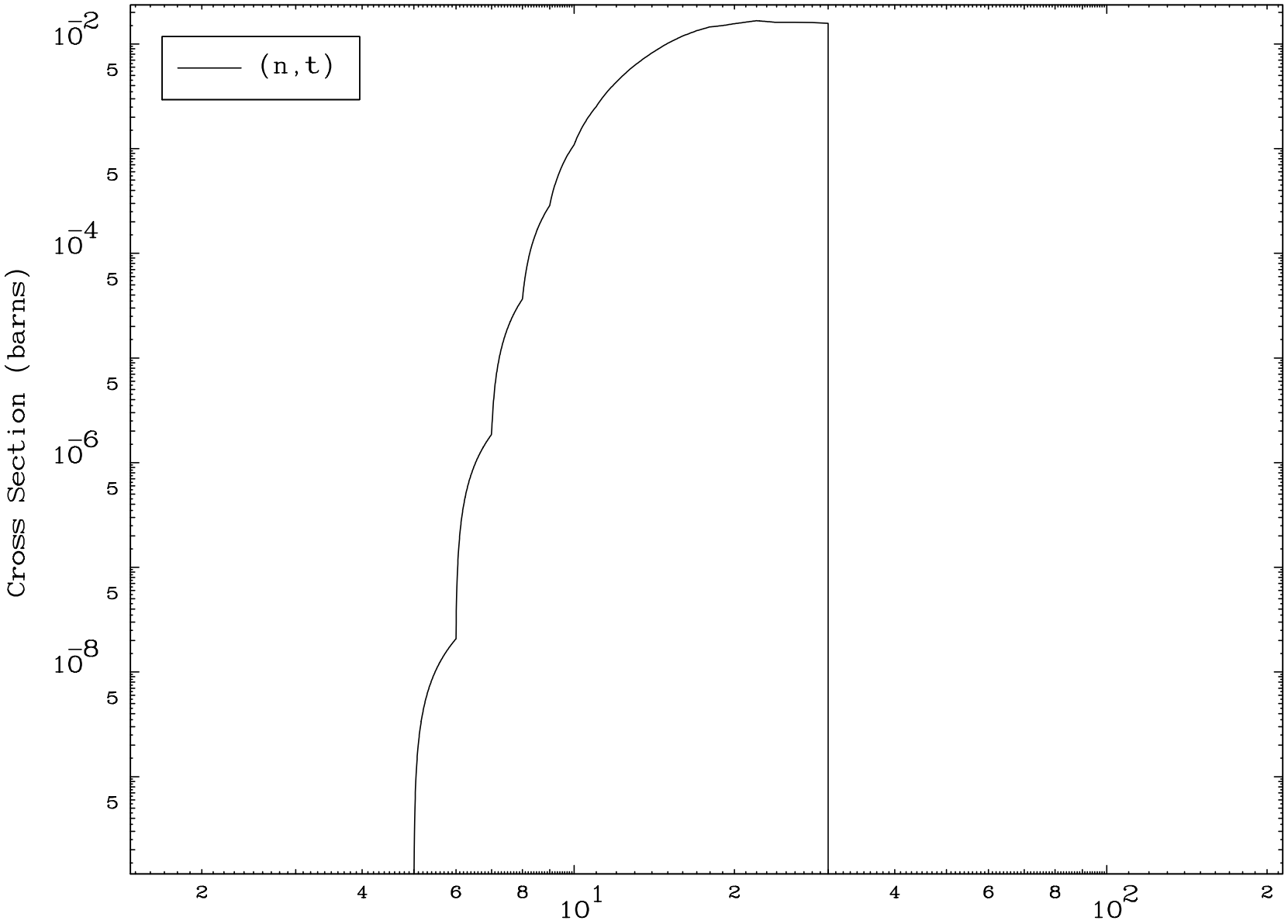
0 Kelvin Cross Sections

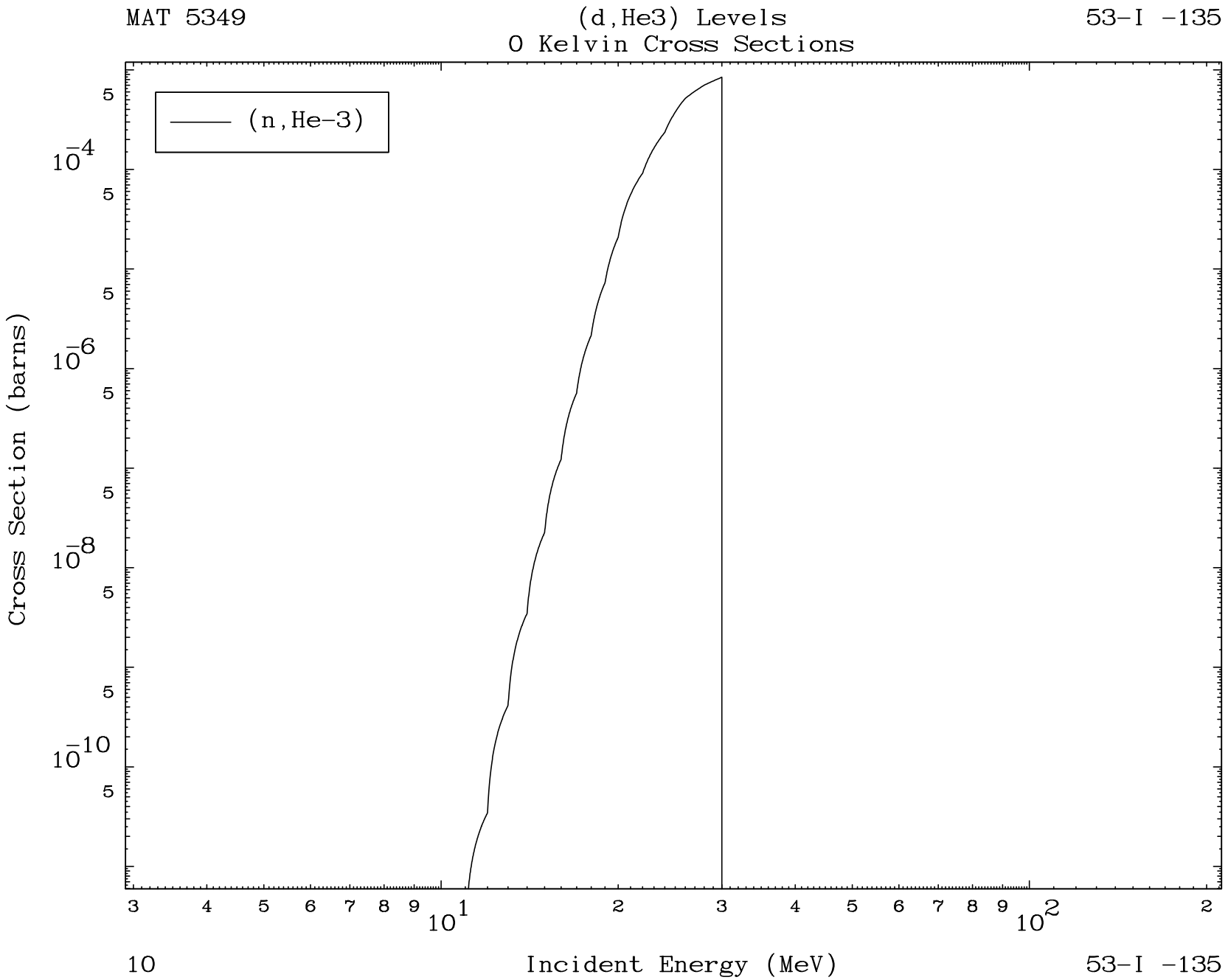


0 Kelvin Cross Sections

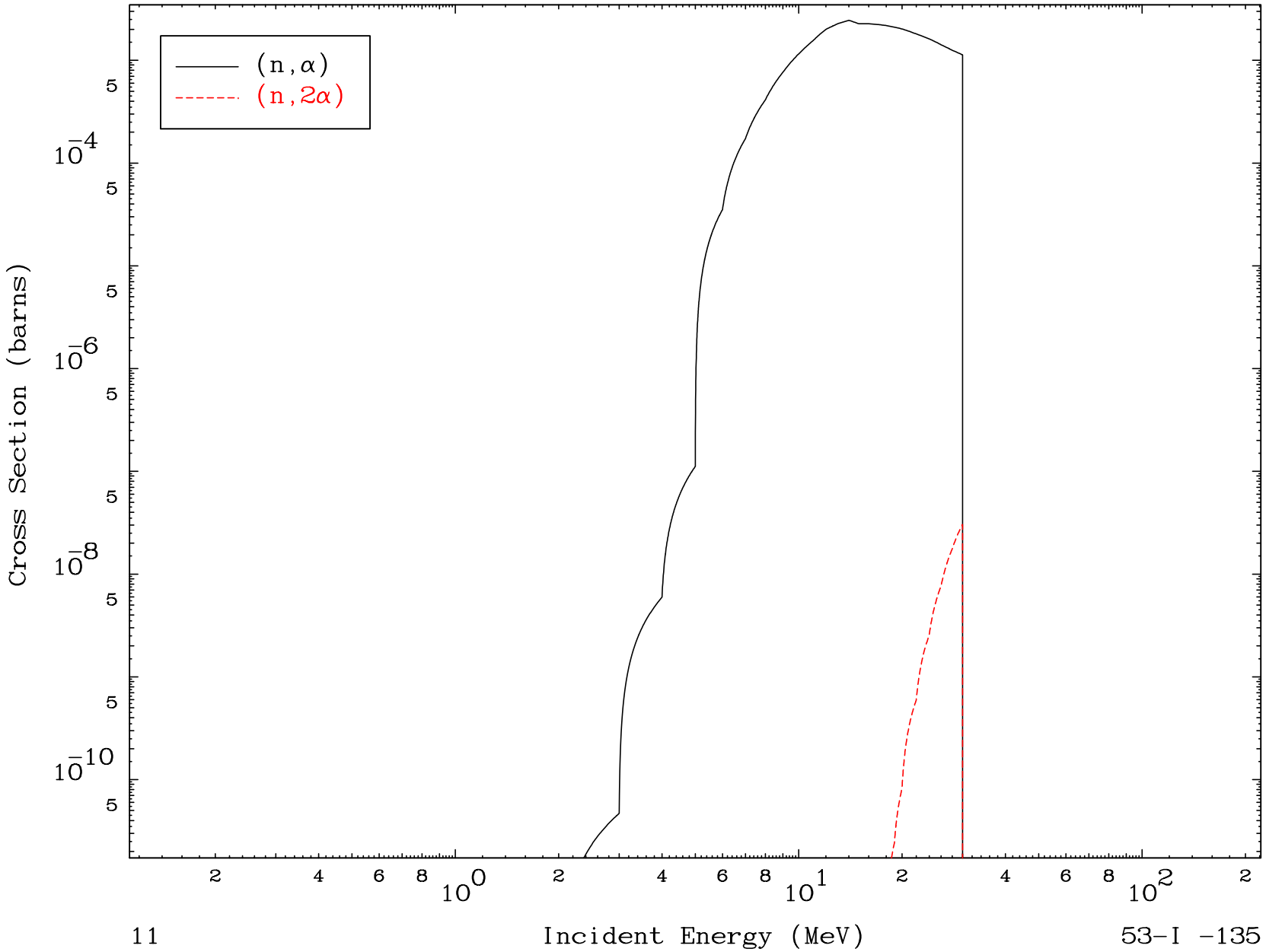


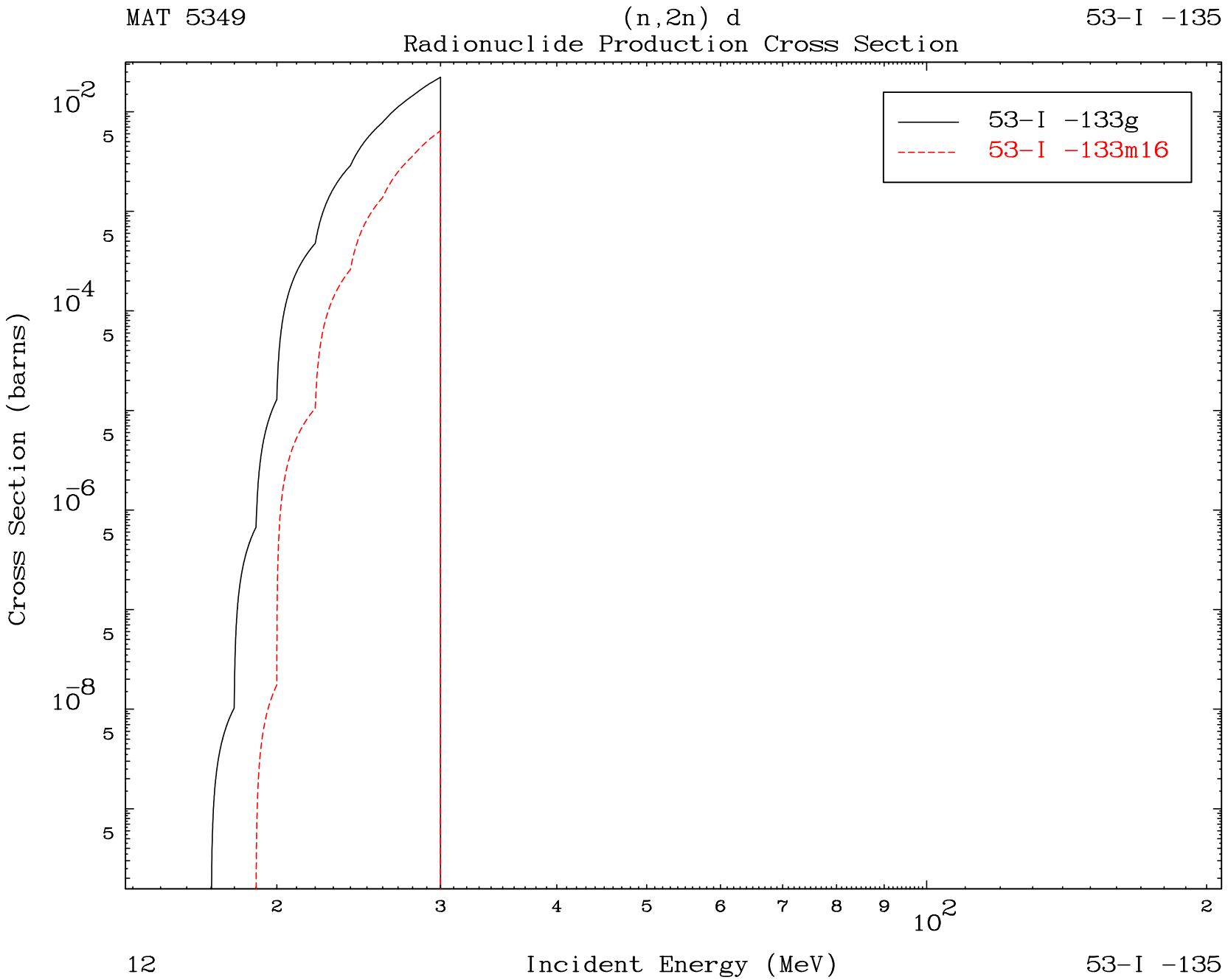
0 Kelvin Cross Sections

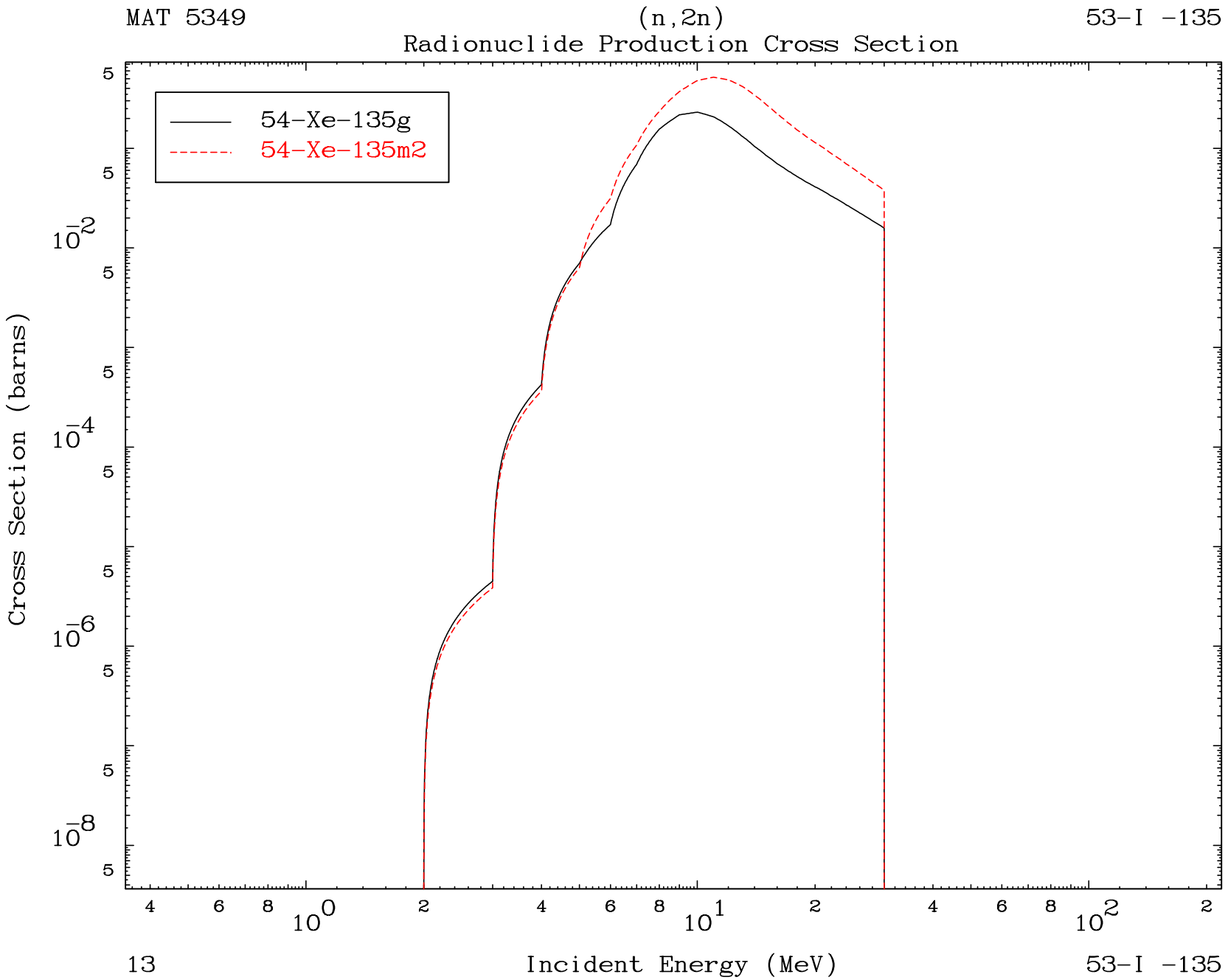


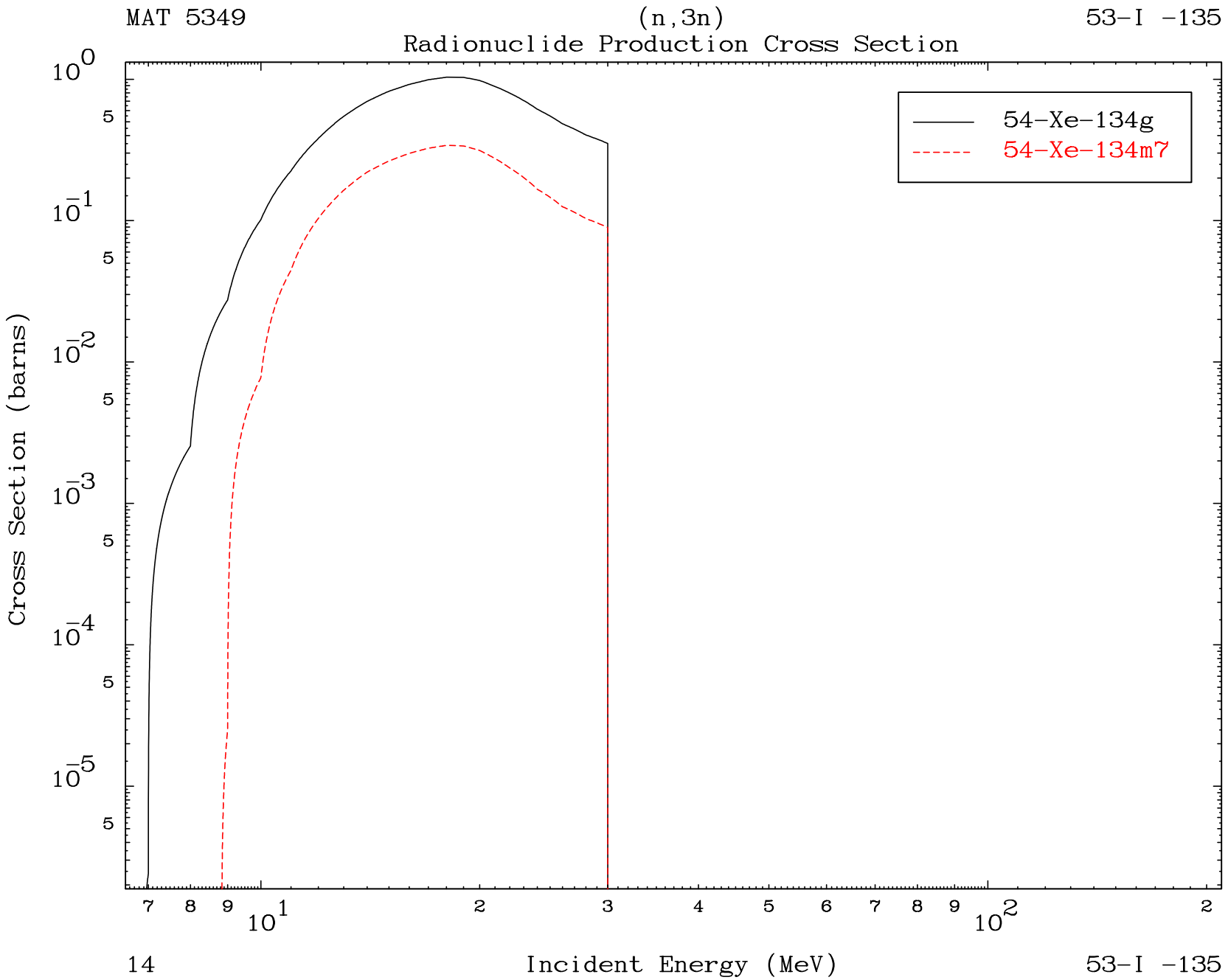

MAT 5349
(d,He3) Levels
53-I -135
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
53-I -135

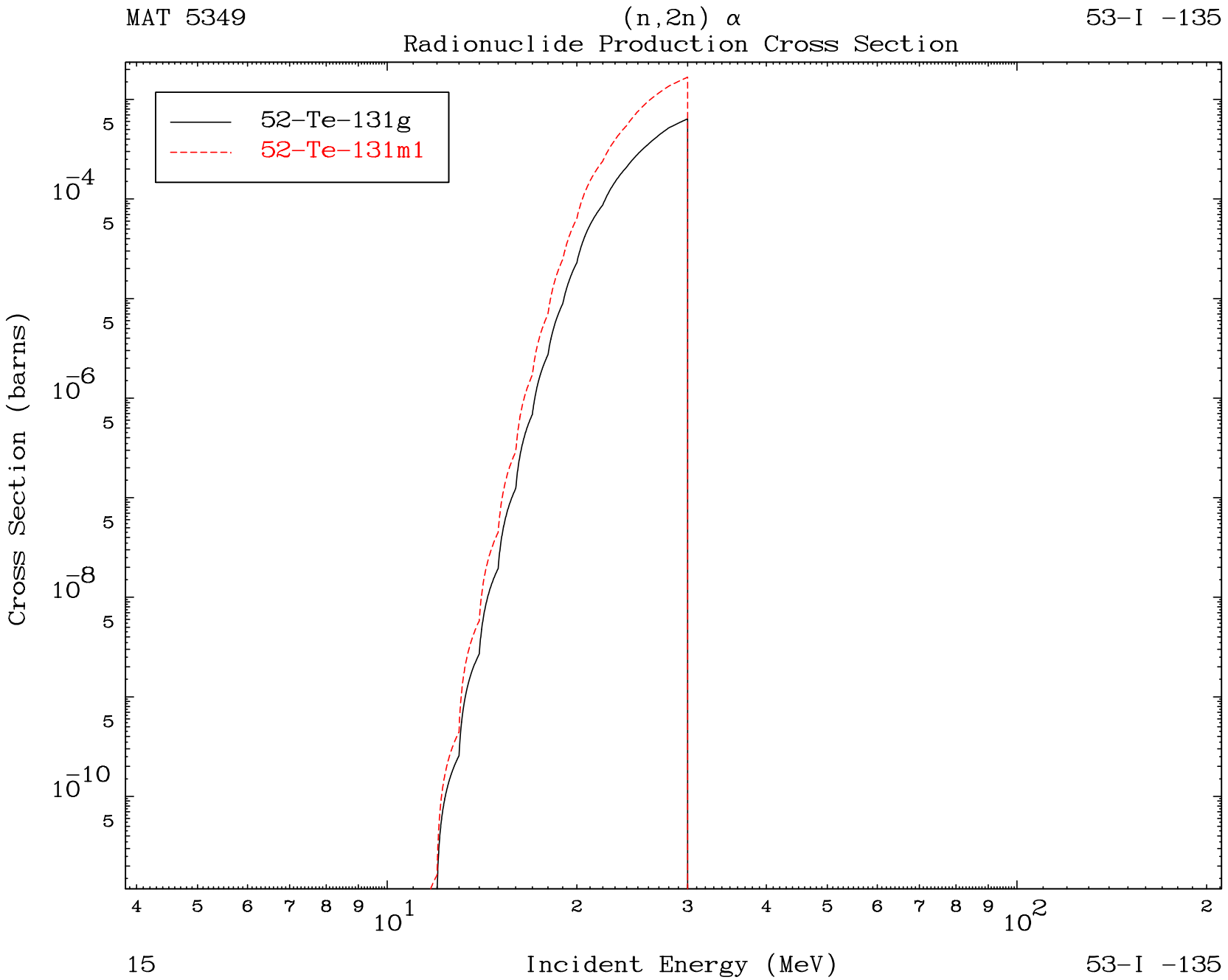
0 Kelvin Cross Sections

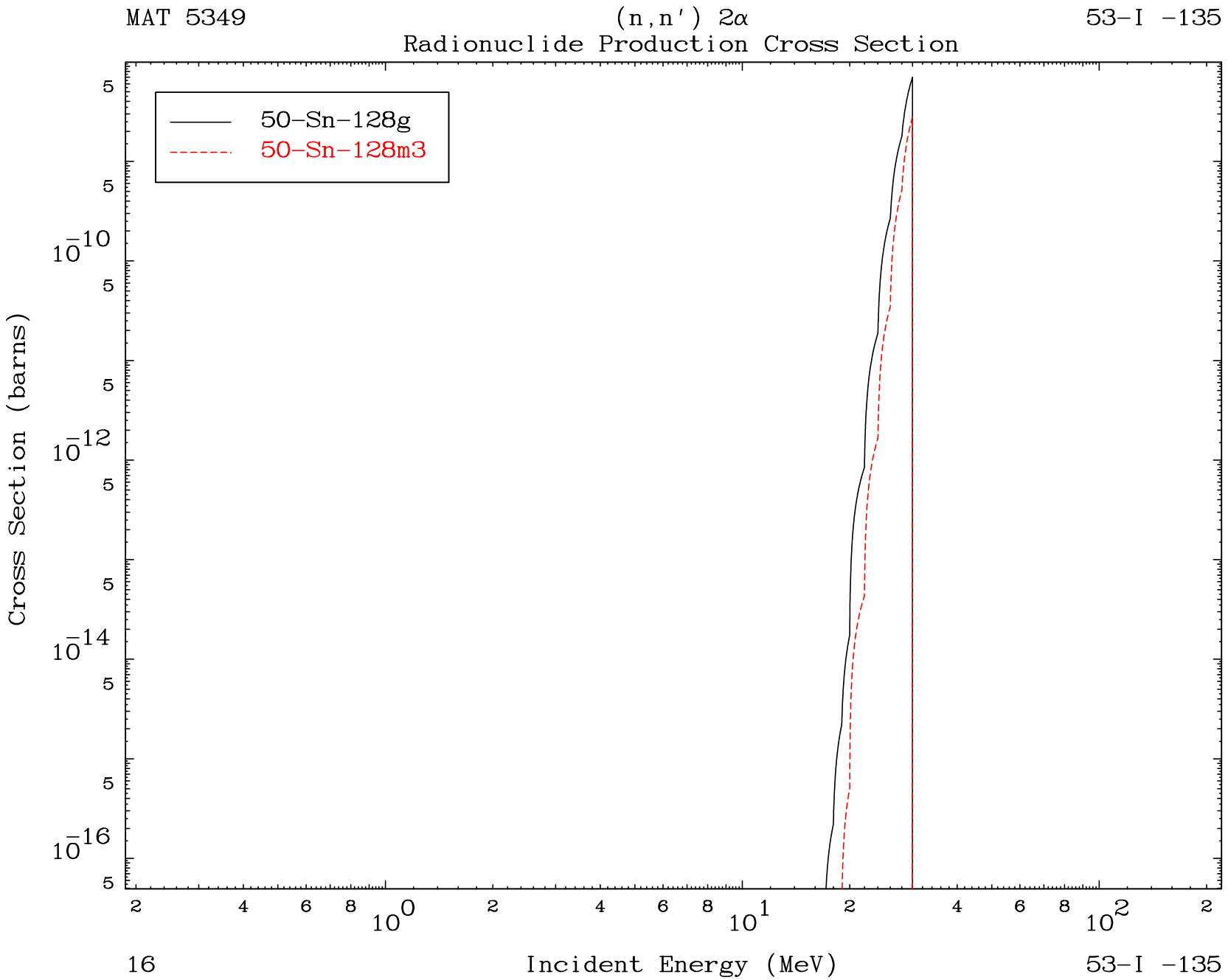


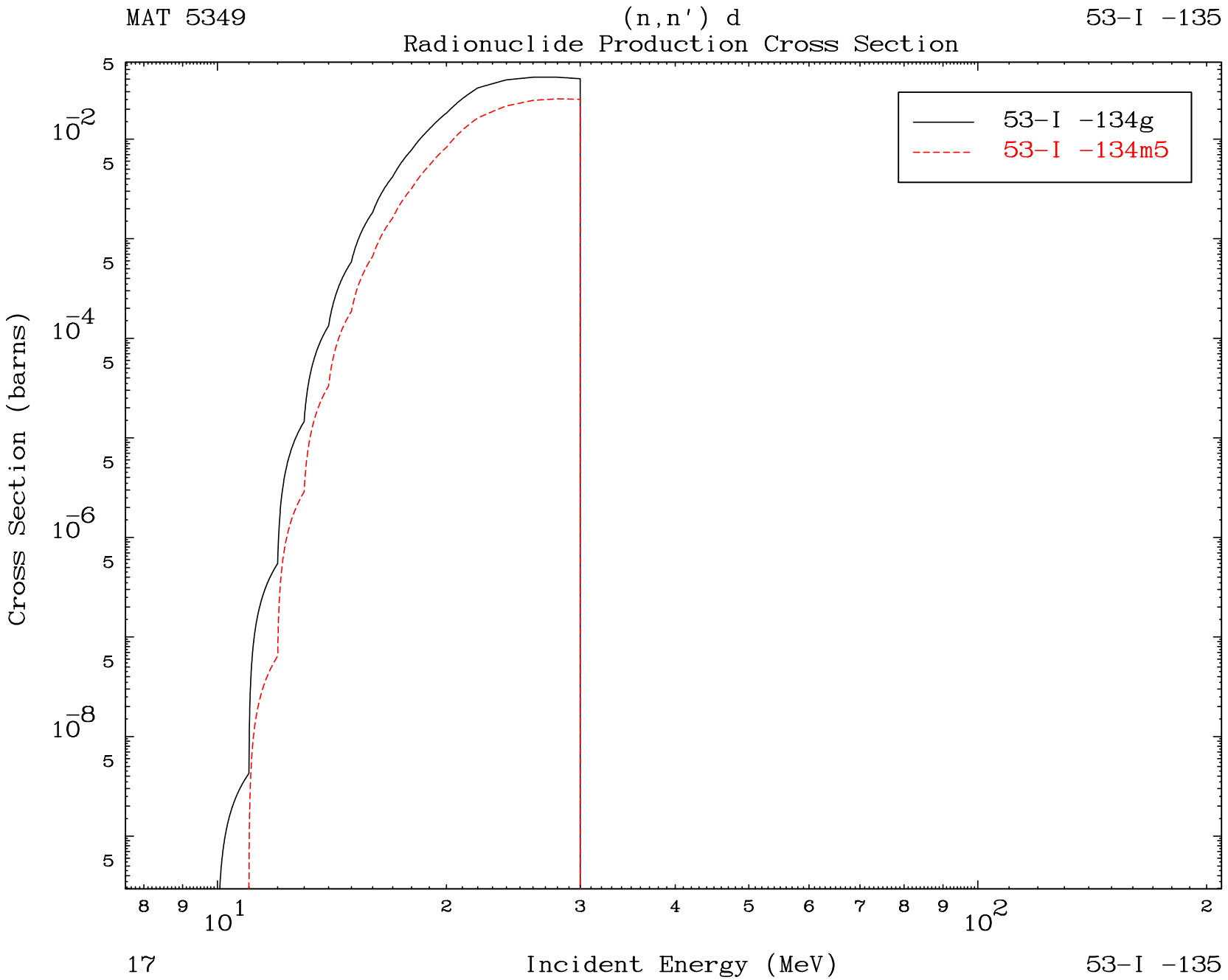

MAT 5349
(n,2n) d
53-I -135
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
53-I -135

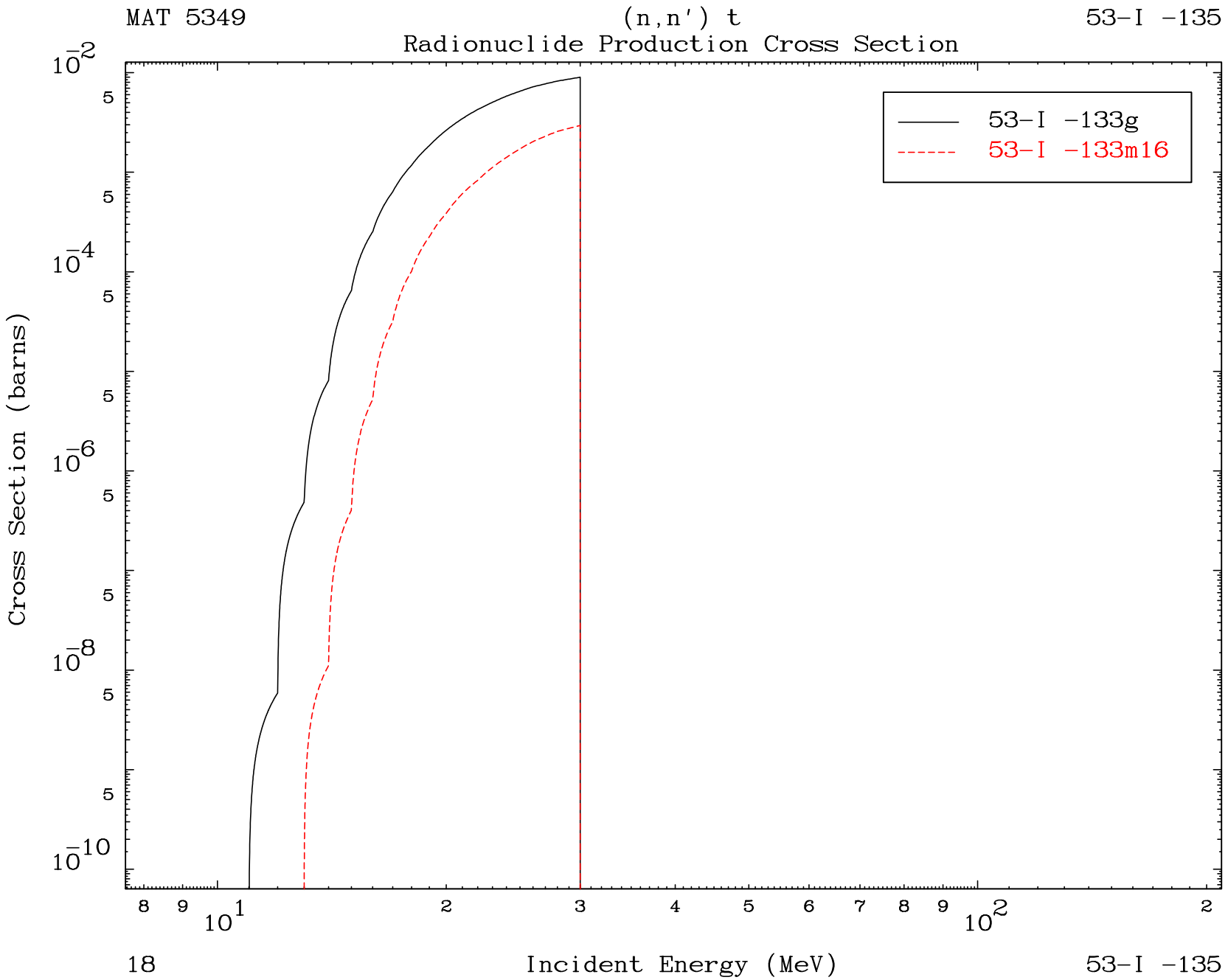

MAT 5349
(n,2n)
53-I -135
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
Incident Energy (MeV)
13
53-I -135

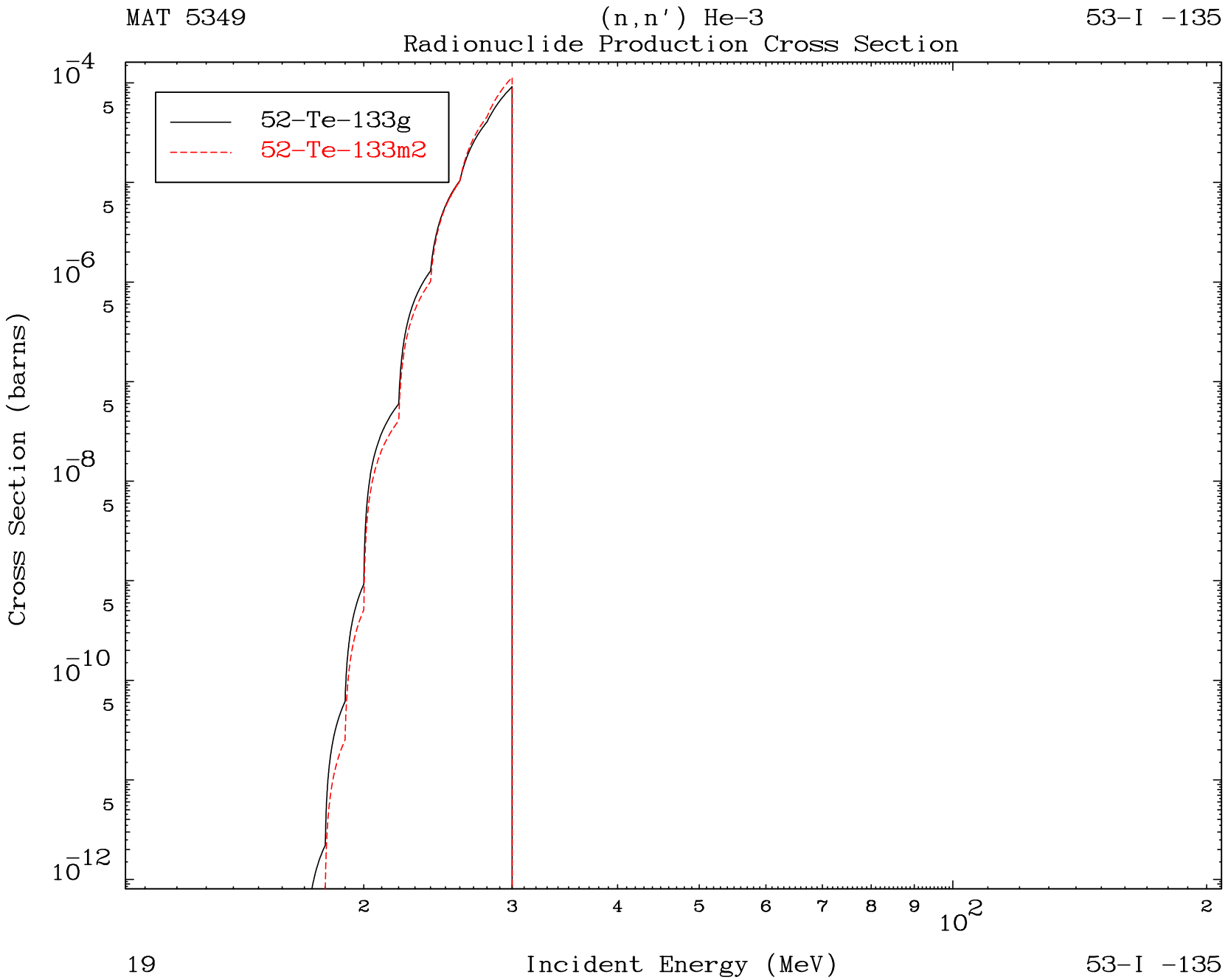

MAT 5349
(n,3n)
53-I -135
Radionuclide Production Cross Section
54-Xe-134g
54-Xe-134m7
Cross Section (barns)
Incident Energy (MeV)
14
53-I -135

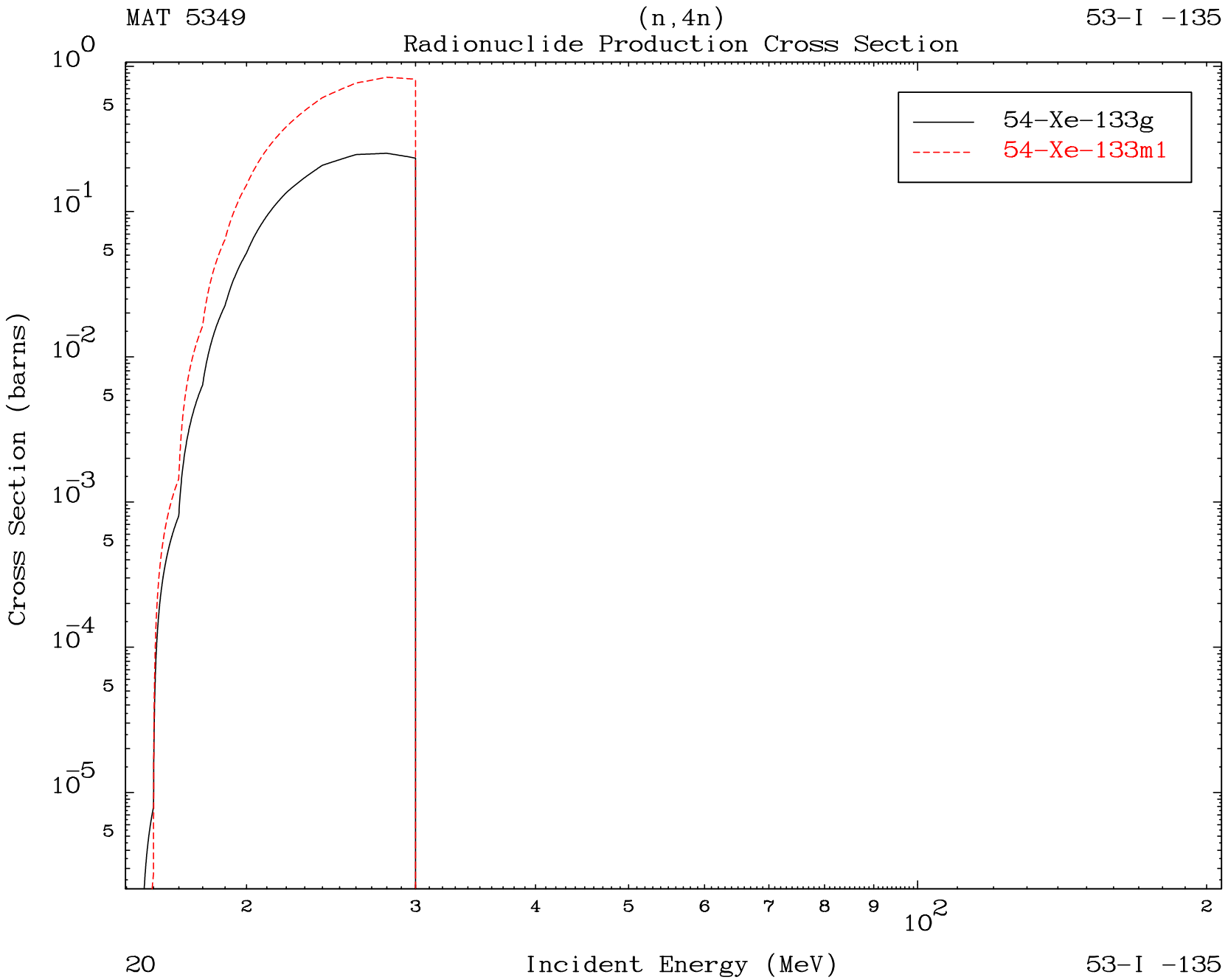

MAT 5349
(n,2n) α
53-I -135
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
15
53-I -135

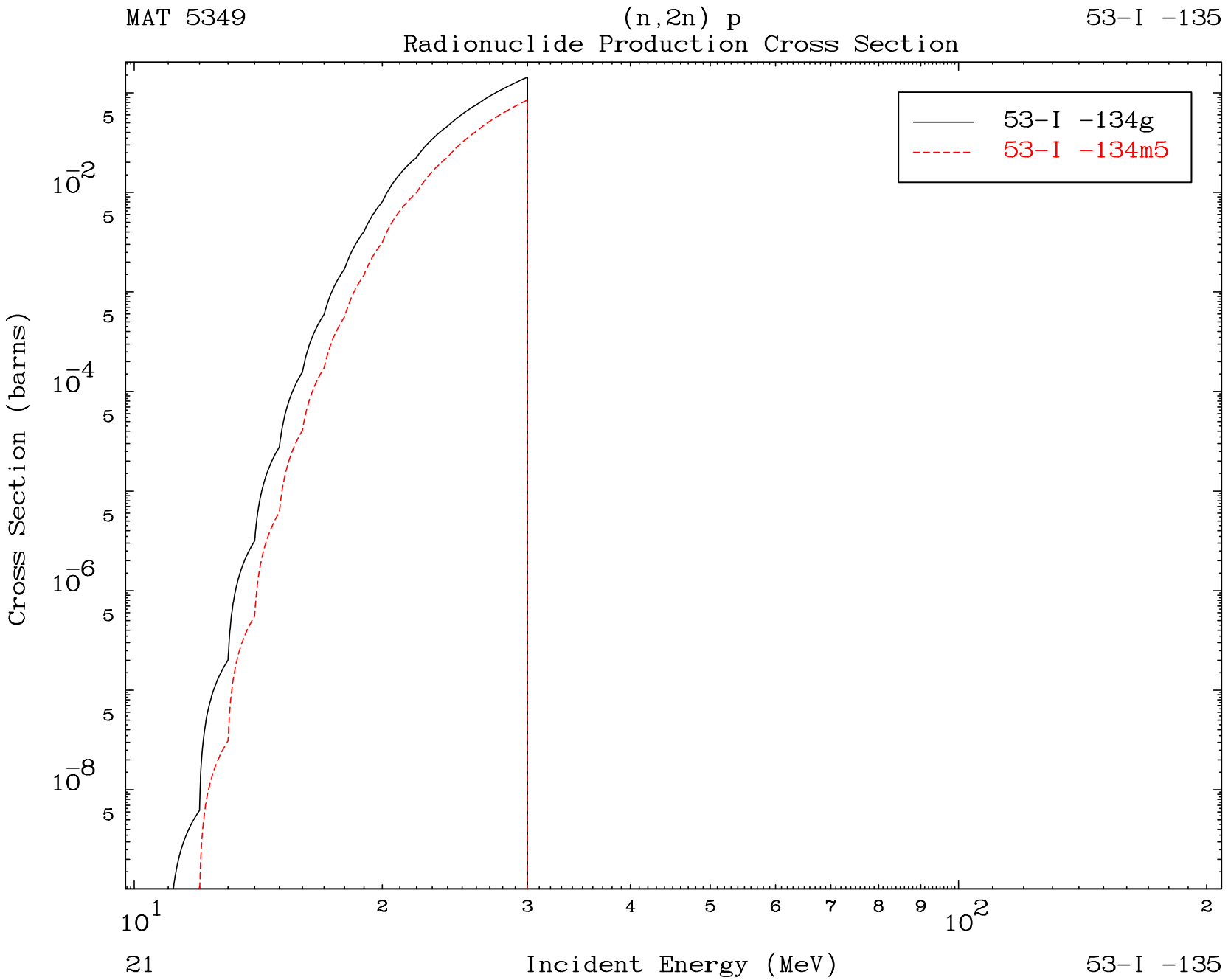

MAT 5349
(n,n') 2α
53-I -135
Radionuclide Production Cross Section
50-Sn-128g
50-Sn-128m3
Cross Section (barns)
Incident Energy (MeV)
16
53-I -135

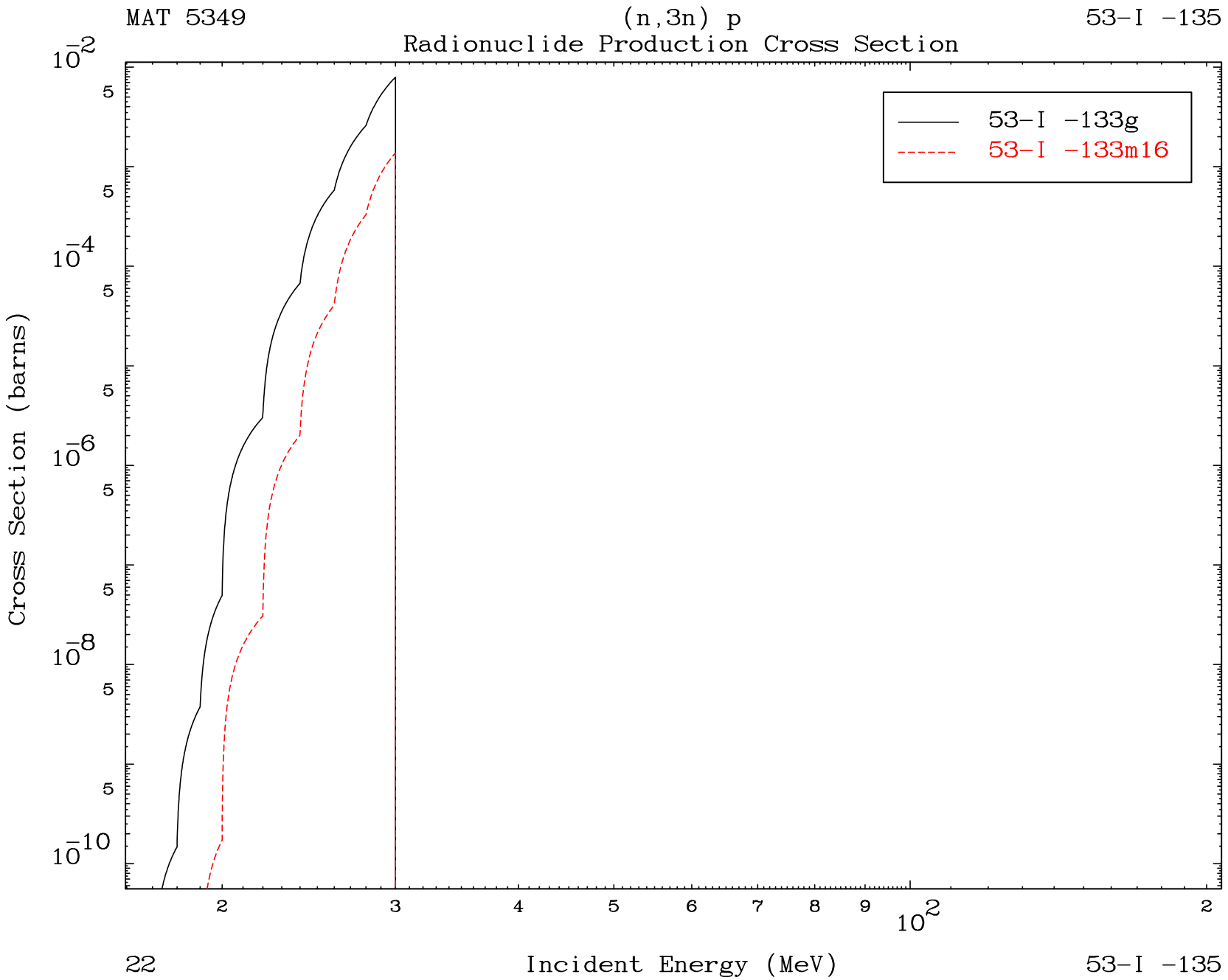

MAT 5349
(n,n') d
53-I -135
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
Incident Energy (MeV)
17
53-I -135

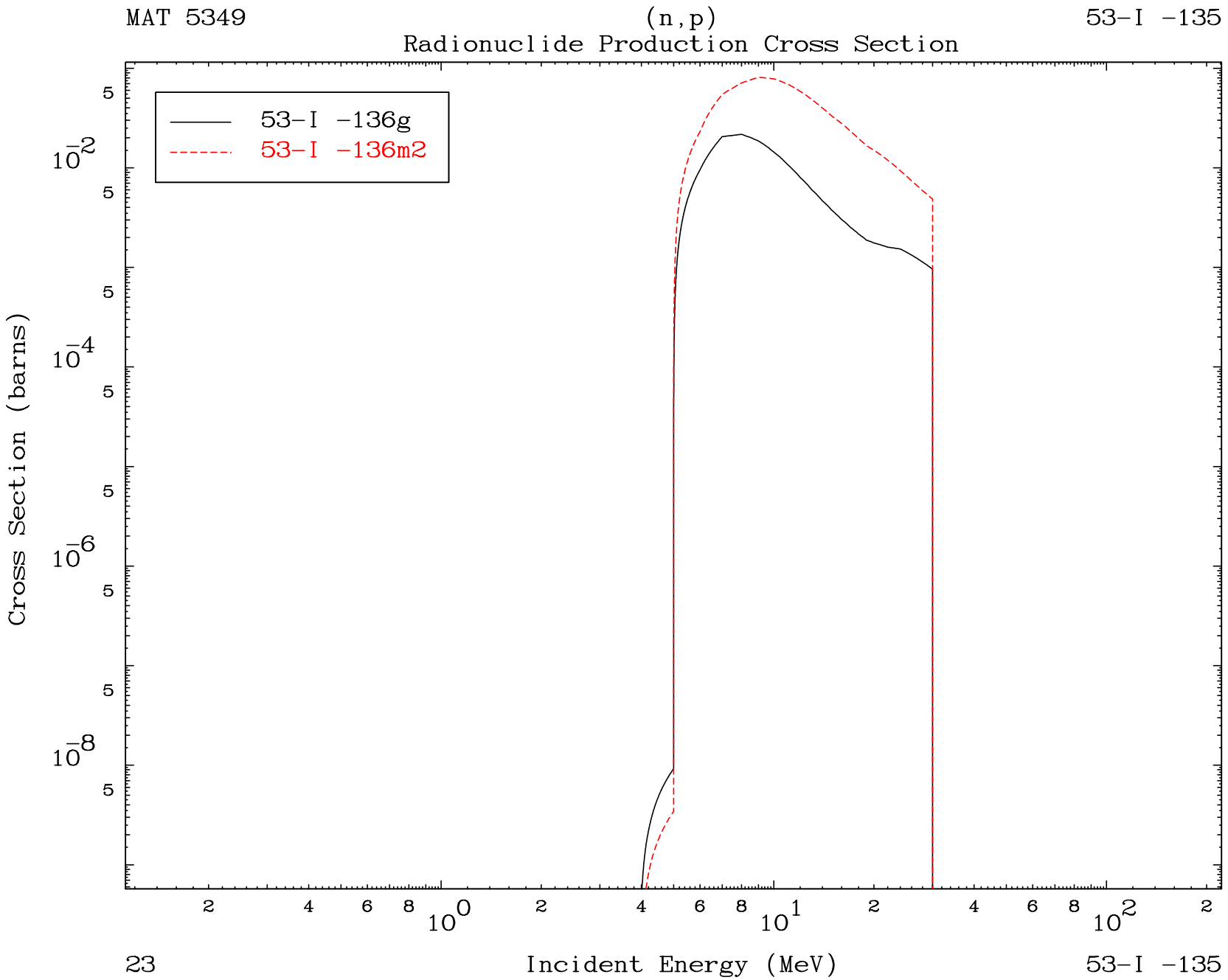

MAT 5349
(n,n') t
53-I -135
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
Incident Energy (MeV)
18
53-I -135

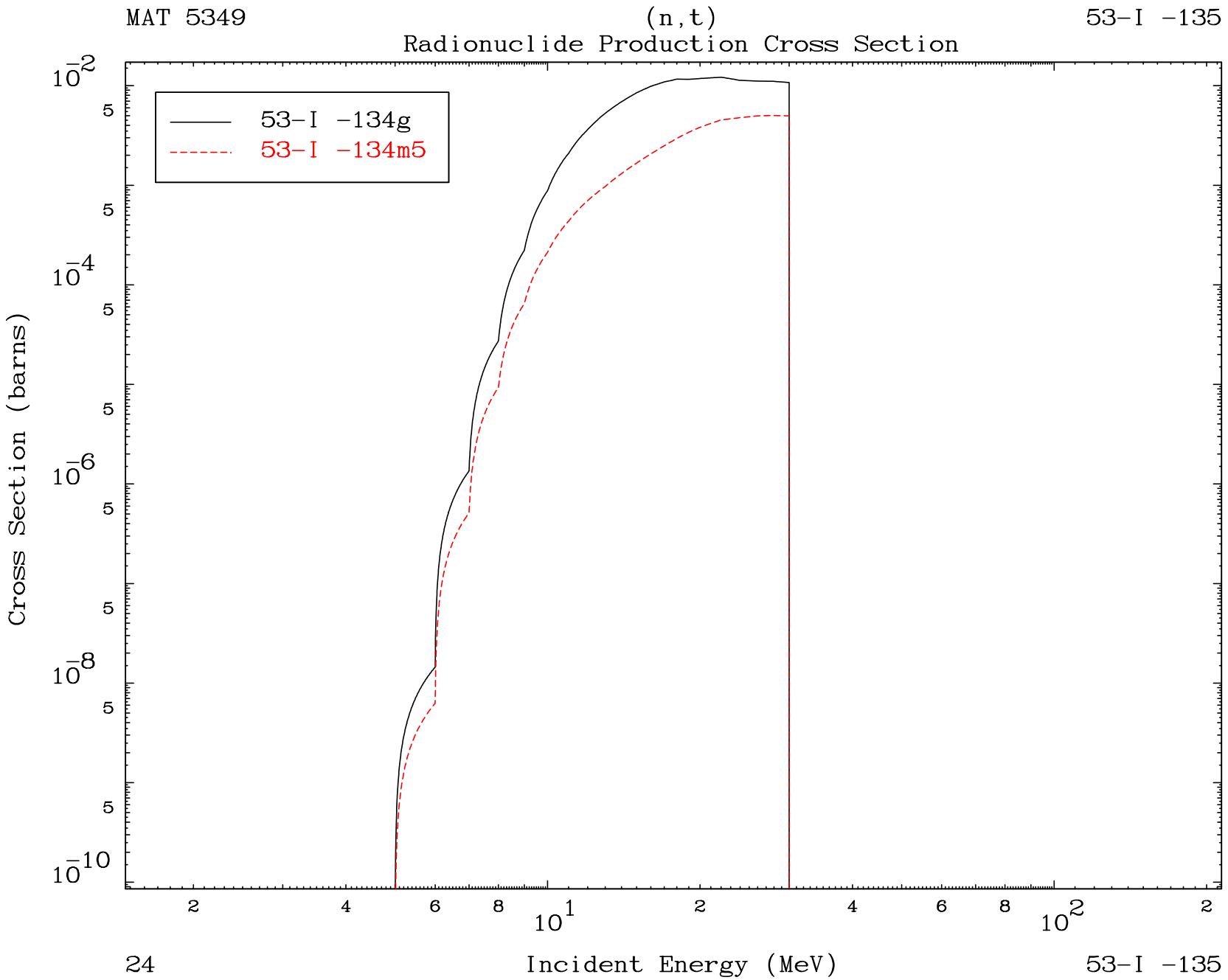

MAT 5349
(n,n') He-3
53-I -135
Radionuclide Production Cross Section
52-Te-133g
52-Te-133m2
Cross Section (barns)
Incident Energy (MeV)
19
53-I -135

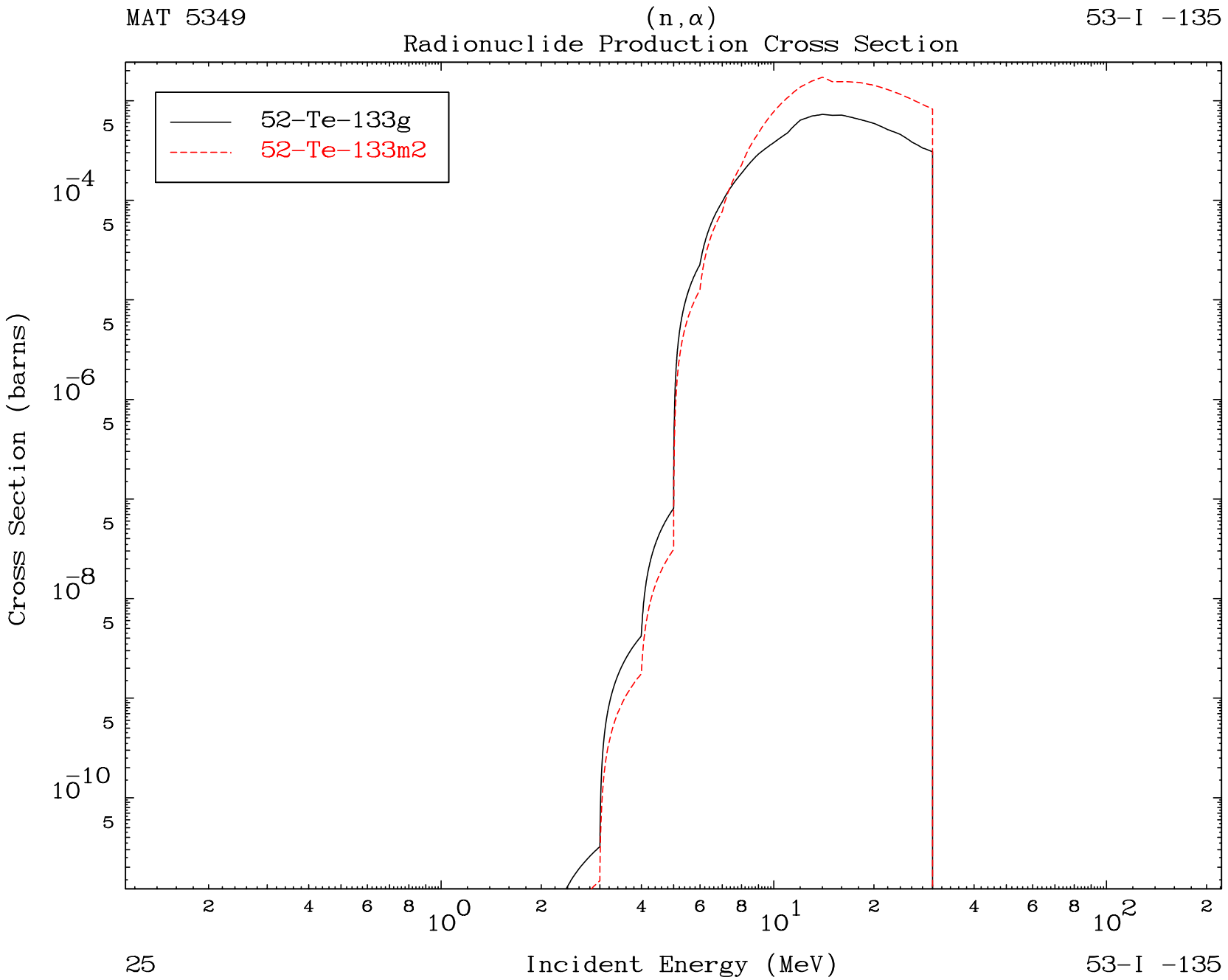

MAT 5349
(n,4n)
53-I -135
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
20
53-I -135

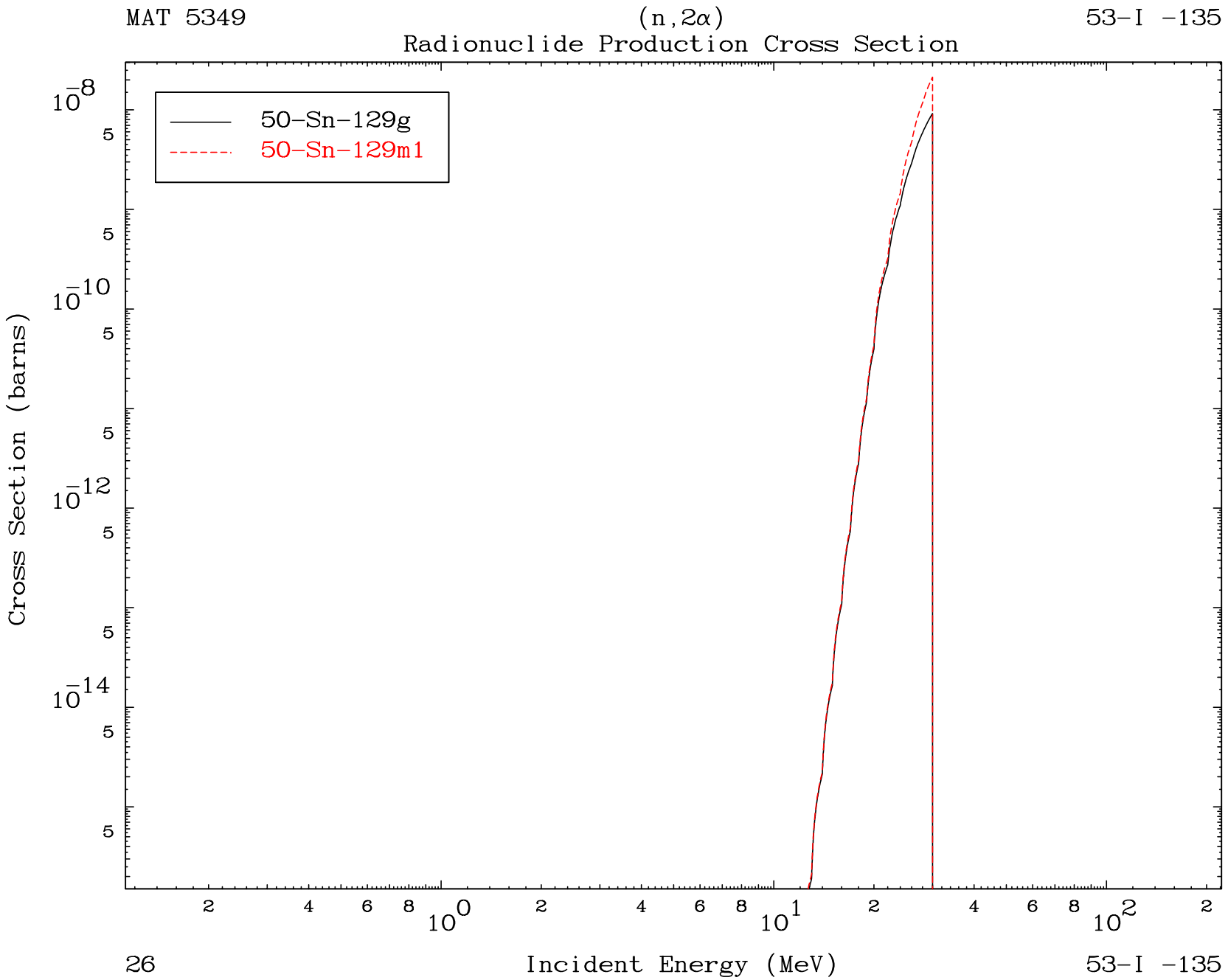

MAT 5349
(n,2n) p
53-I -135
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
6
7
8
9
101
102
21
Incident Energy (MeV)
53-I -135

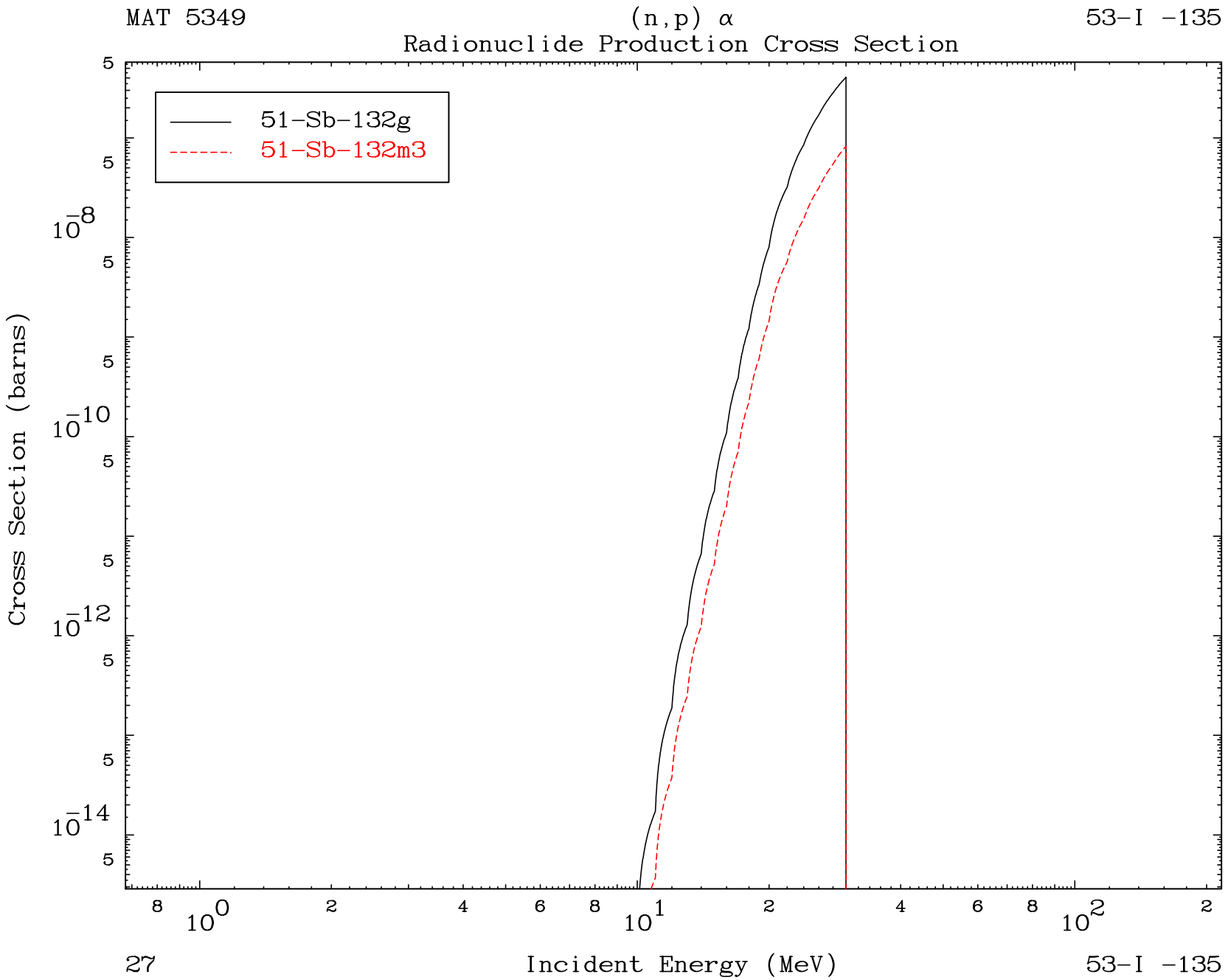

MAT 5349
(n,3n) p
53-I -135
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
Incident Energy (MeV)
22
53-I -135

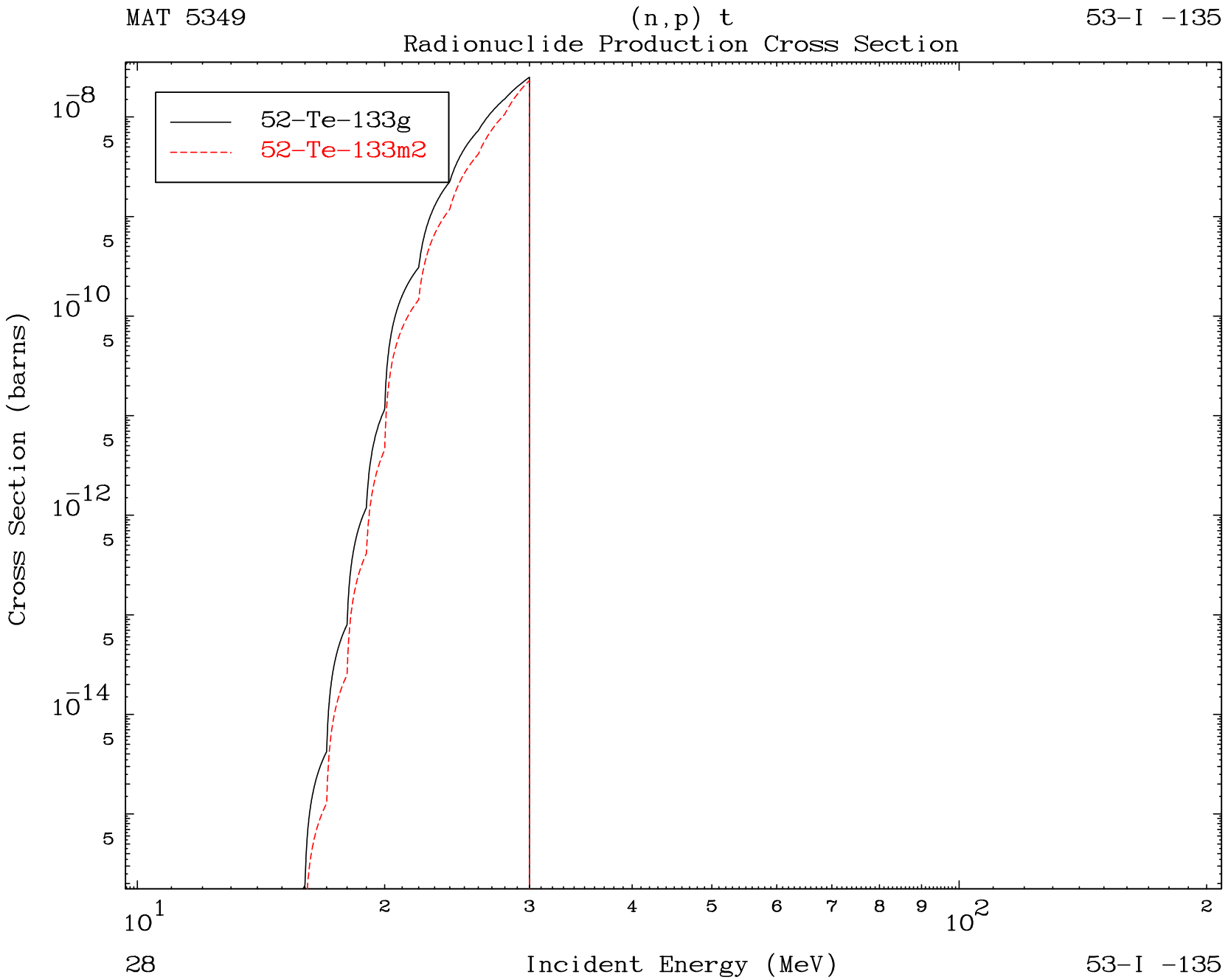

MAT 5349
(n,p)
53-I -135
Radionuclide Production Cross Section
53-I -136g
53-I -136m2
Cross Section (barns)
Incident Energy (MeV)
23
53-I -135


MAT 5349
(n,t)
53-I -135
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
2
4
6
8
10^1
2
4
6
8
10^2
2
24
Incident Energy (MeV)
53-I -135


MAT 5349
(n,α)
53-I -135
Radionuclide Production Cross Section
52-Te-133g
52-Te-133m2
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
25
53-I -135


MAT 5349
(n,2α)
53-I -135
Radionuclide Production Cross Section
50-Sn-129g
50-Sn-129m1
Cross Section (barns)
Incident Energy (MeV)
26
53-I -135


MAT 5349
(n,p) α
53-I -135
Radionuclide Production Cross Section
51-Sb-132g
51-Sb-132m3
Cross Section (barns)
Incident Energy (MeV)
27
53-I -135


MAT 5349
(n,p) t
53-I -135
Radionuclide Production Cross Section
52-Te-133g
52-Te-133m2
Cross Section (barns)
10-8
5
10-10
5
10-12
5
10-14
5
5
10 1
2
3
4
5
6
7
8
9
10 2
2
28
Incident Energy (MeV)
53-I -135