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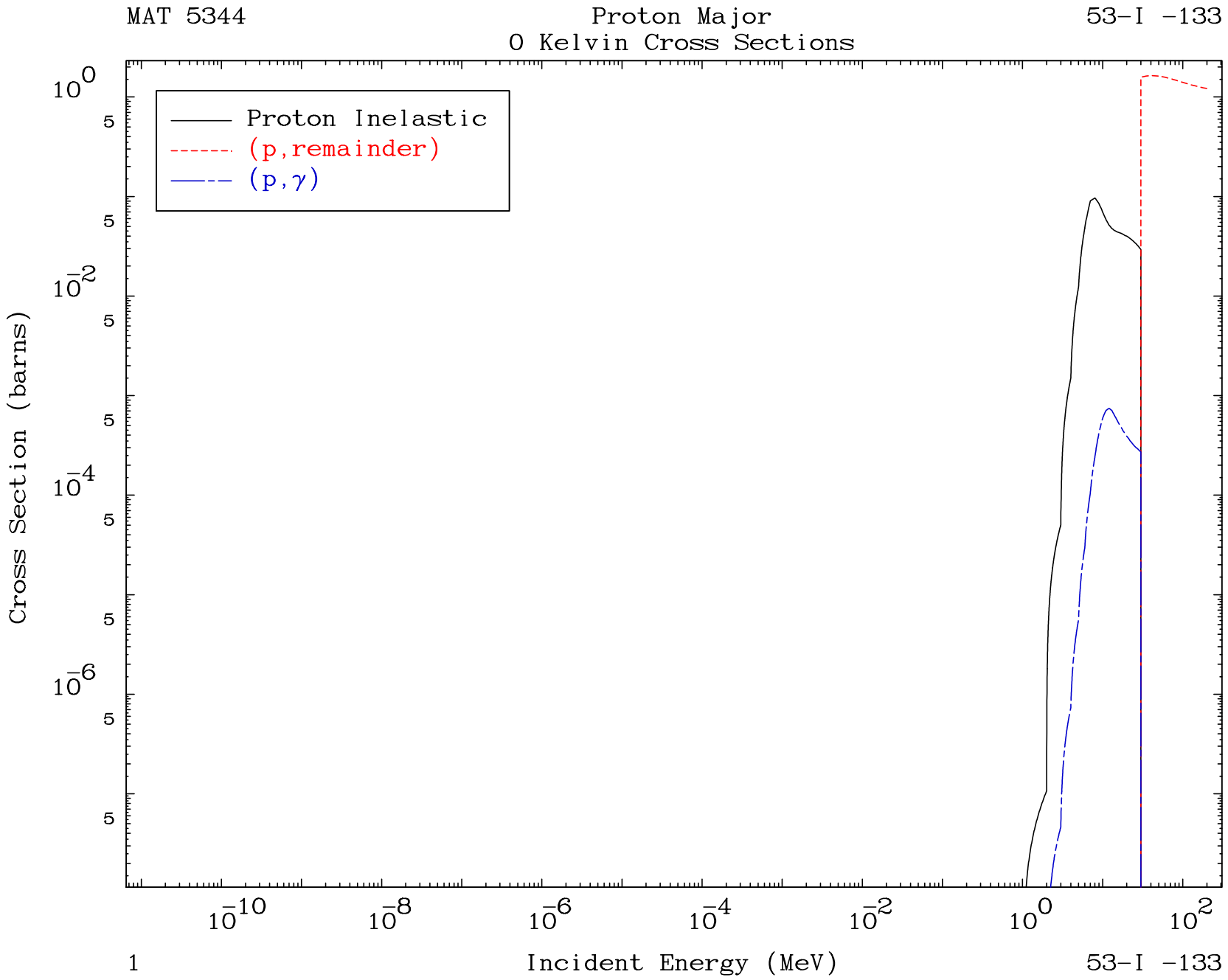
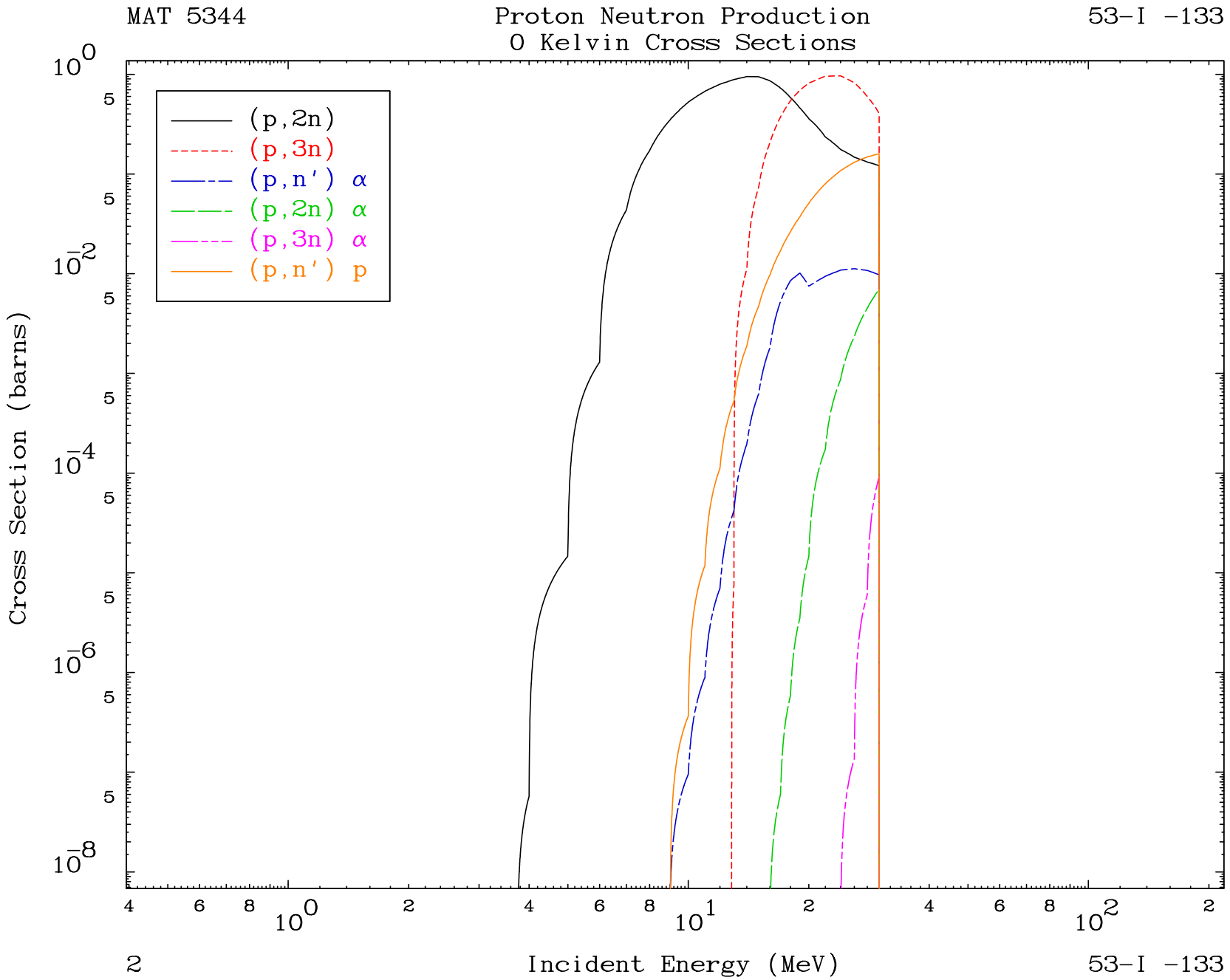
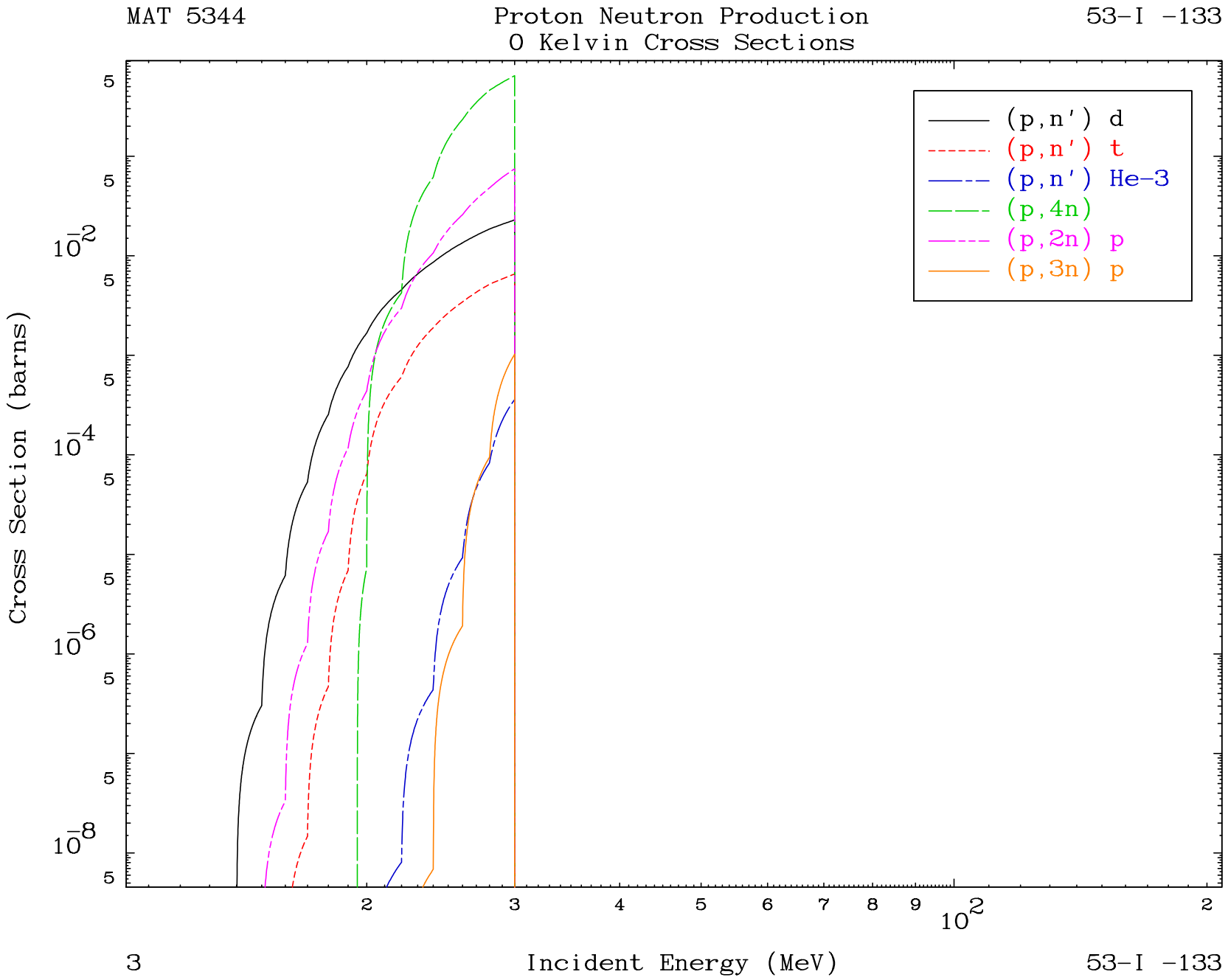
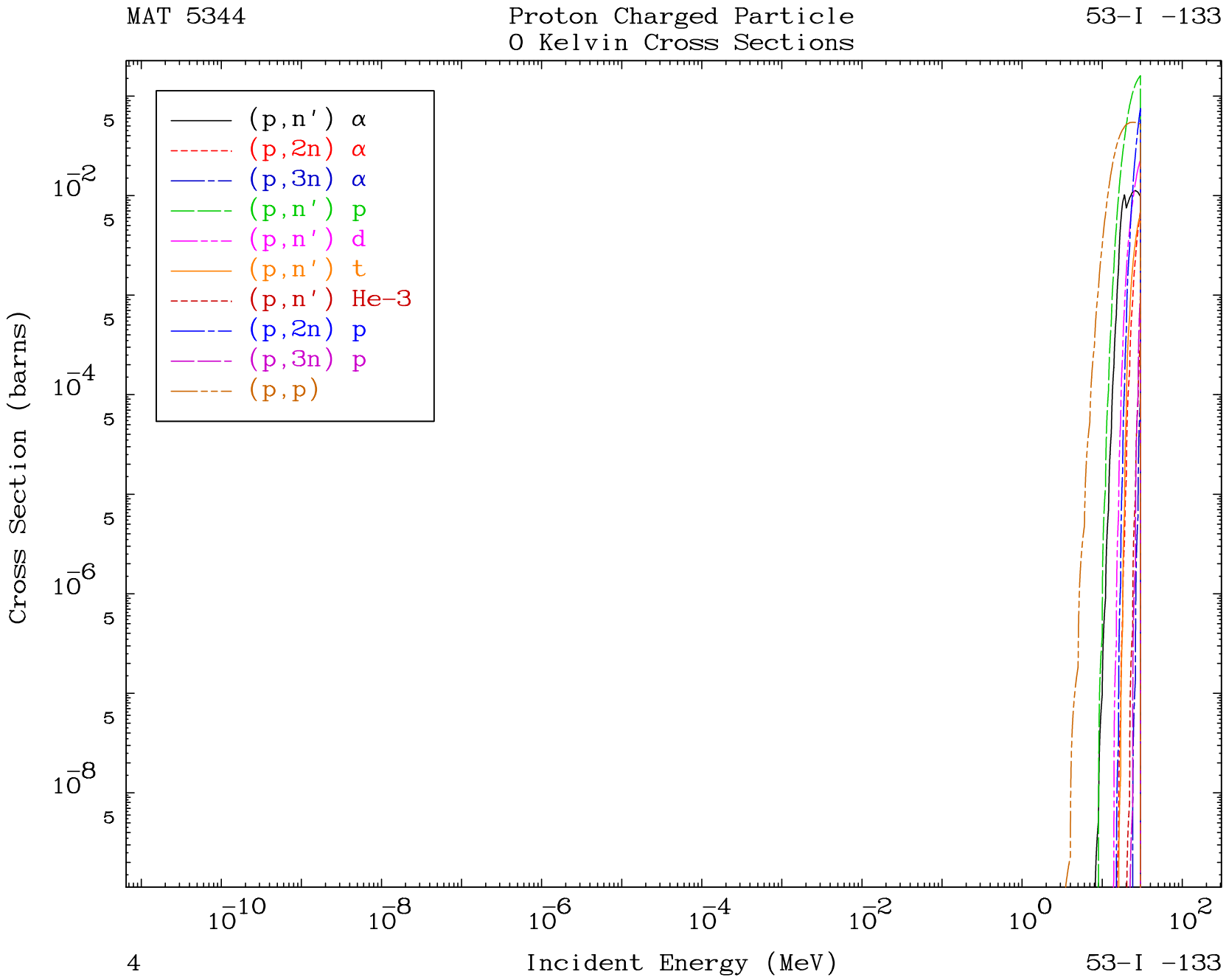
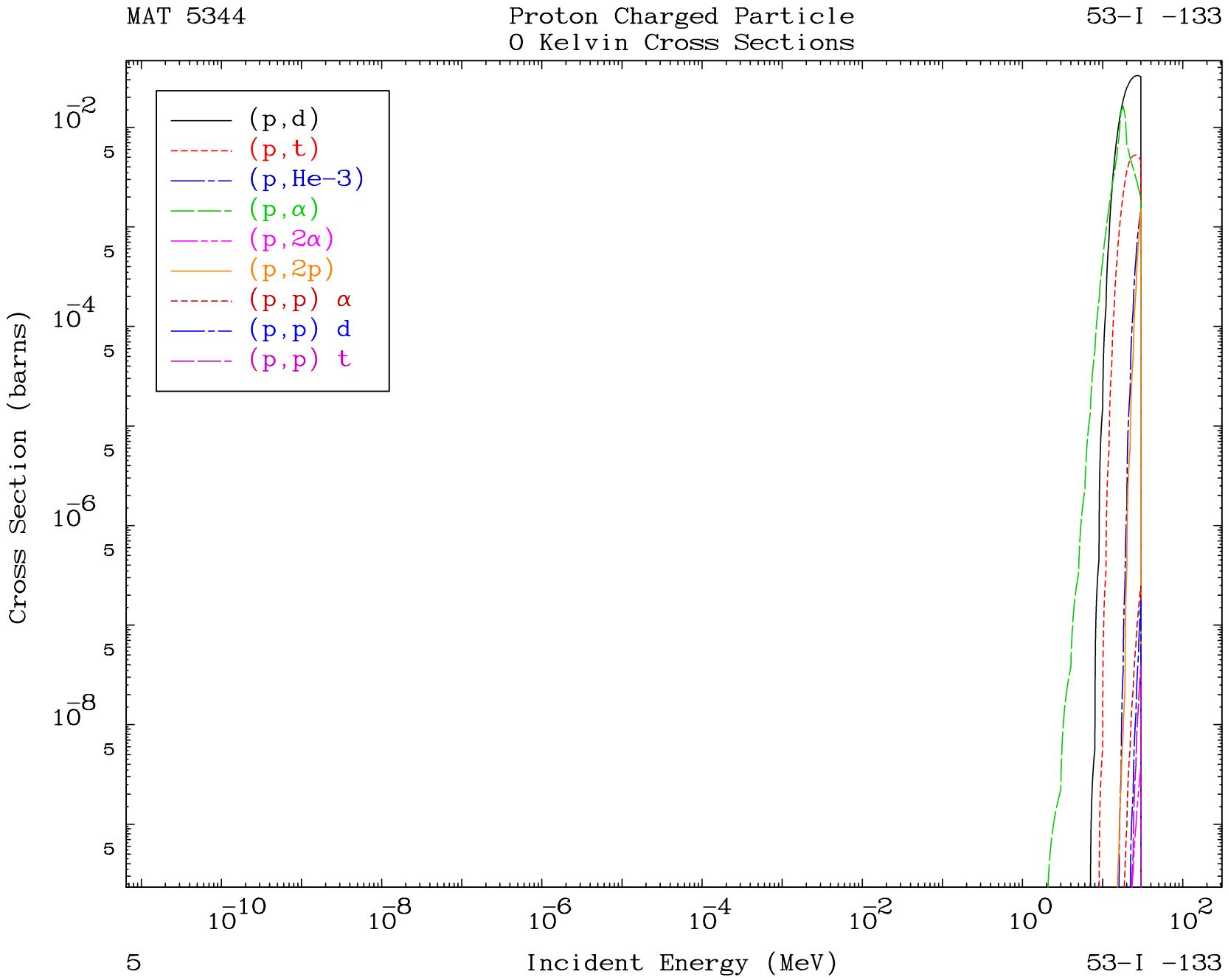
Press Mouse Button to Start

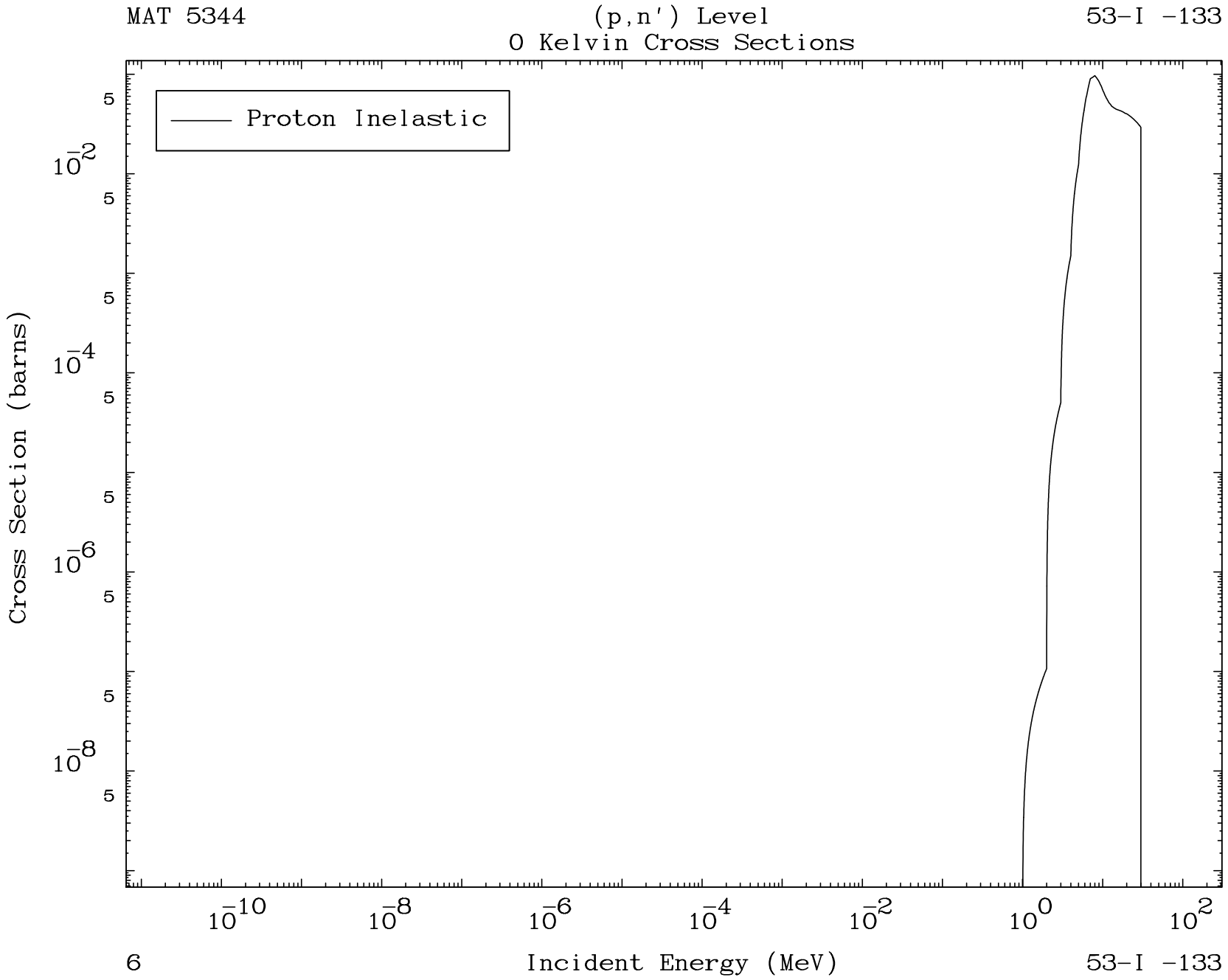

MAT 5344
Proton Major
53-I -133
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -133

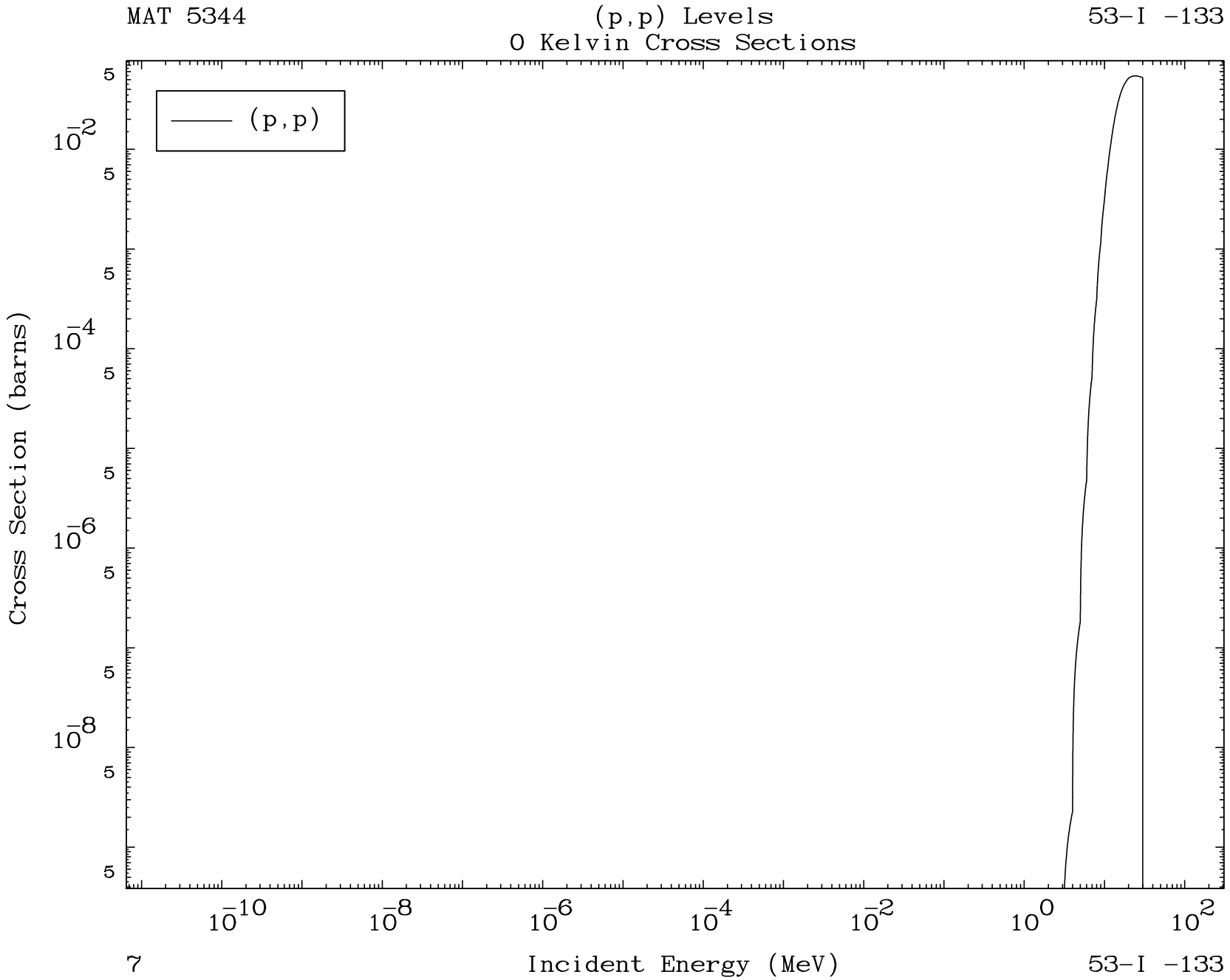

MAT 5344
Proton Neutron Production
0 Kelvin Cross Sections
53-I -133
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
Cross Section (barns)
Incident Energy (MeV)
53-I -133

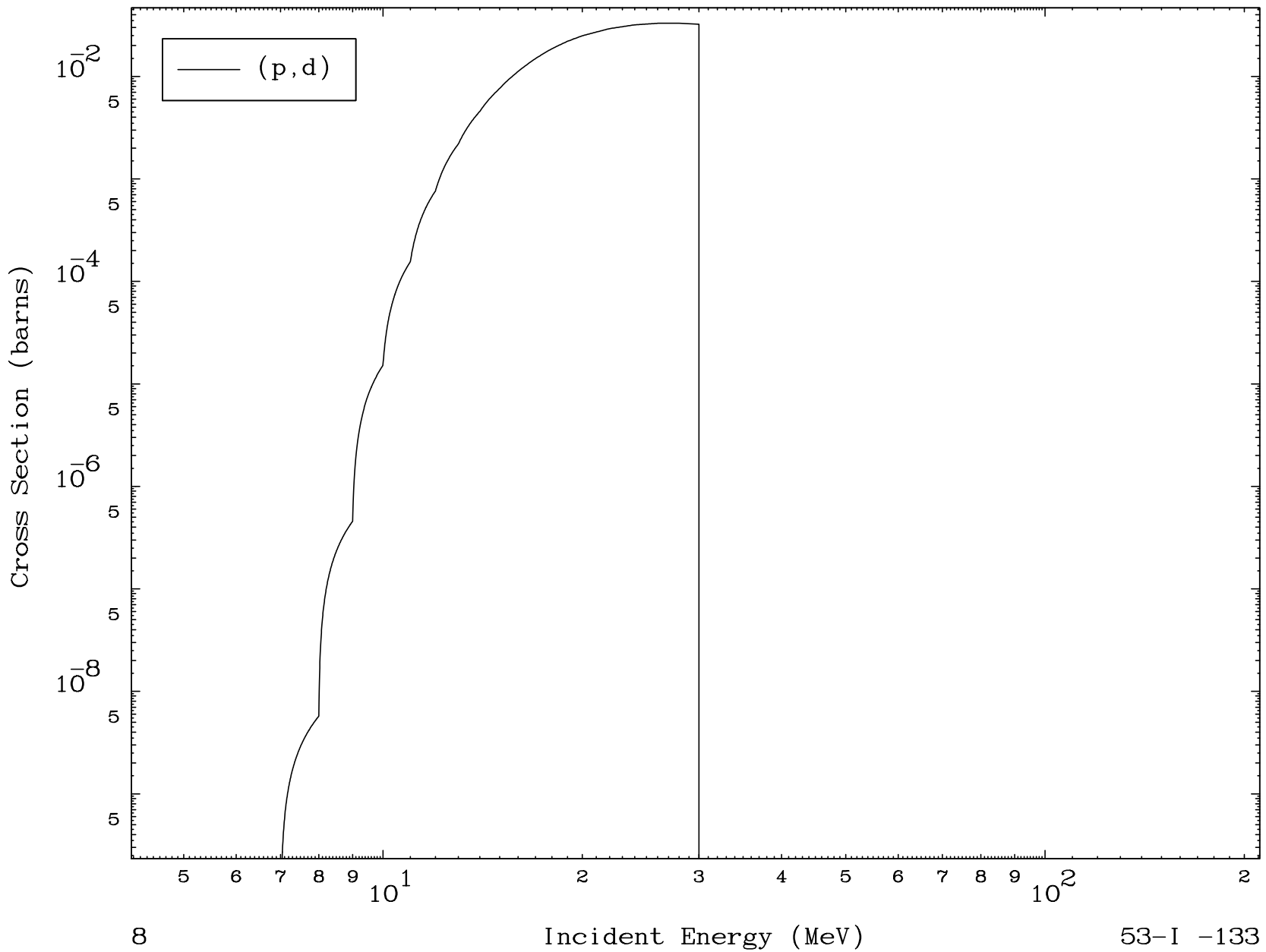

MAT 5344
Proton Neutron Production
0 Kelvin Cross Sections
53-I -133
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
53-I -133

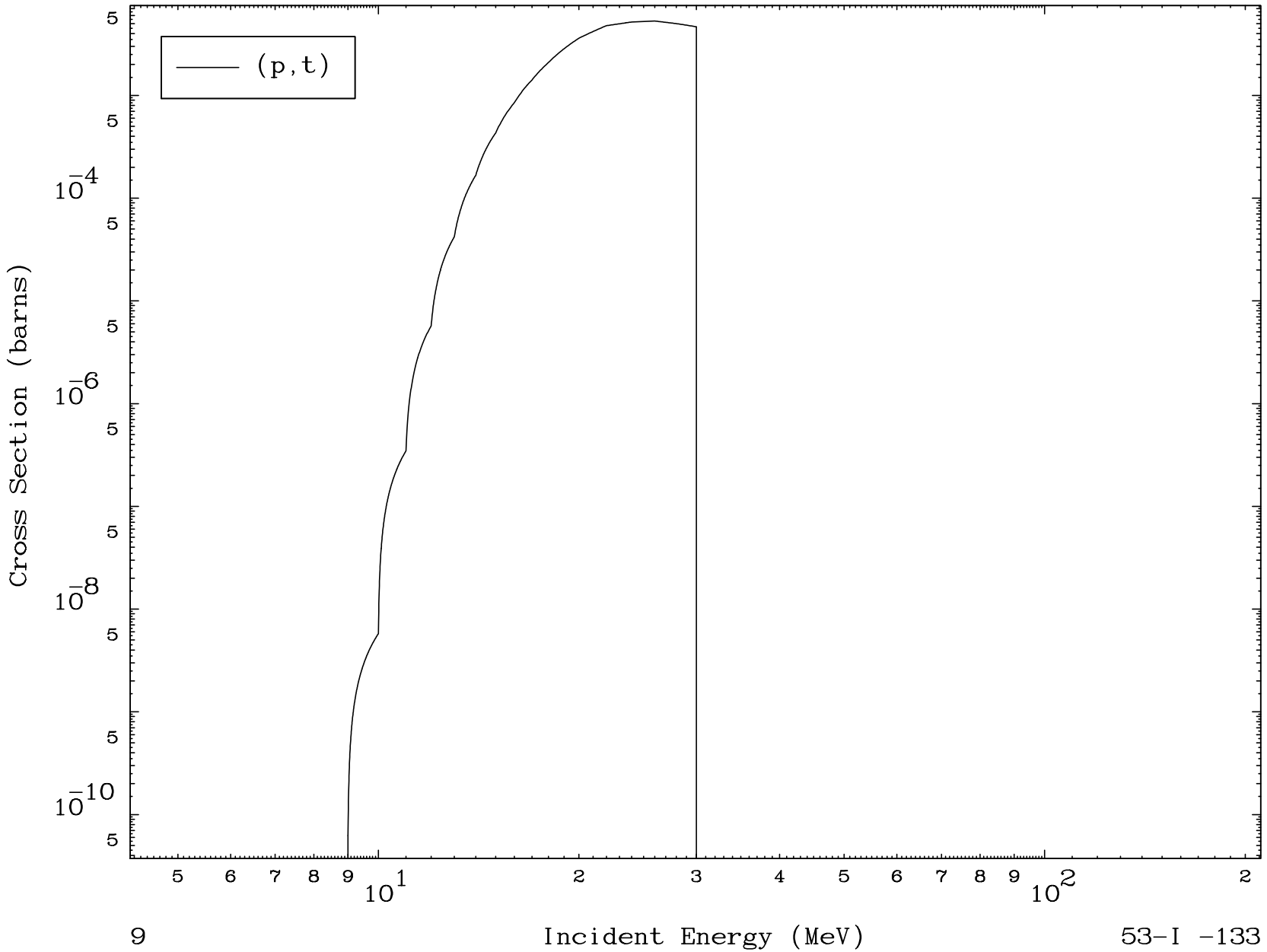

MAT 5344
Proton Charged Particle
0 Kelvin Cross Sections
53-I -133
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
(p,p)
Cross Section (barns)
Incident Energy (MeV)
4
53-I -133

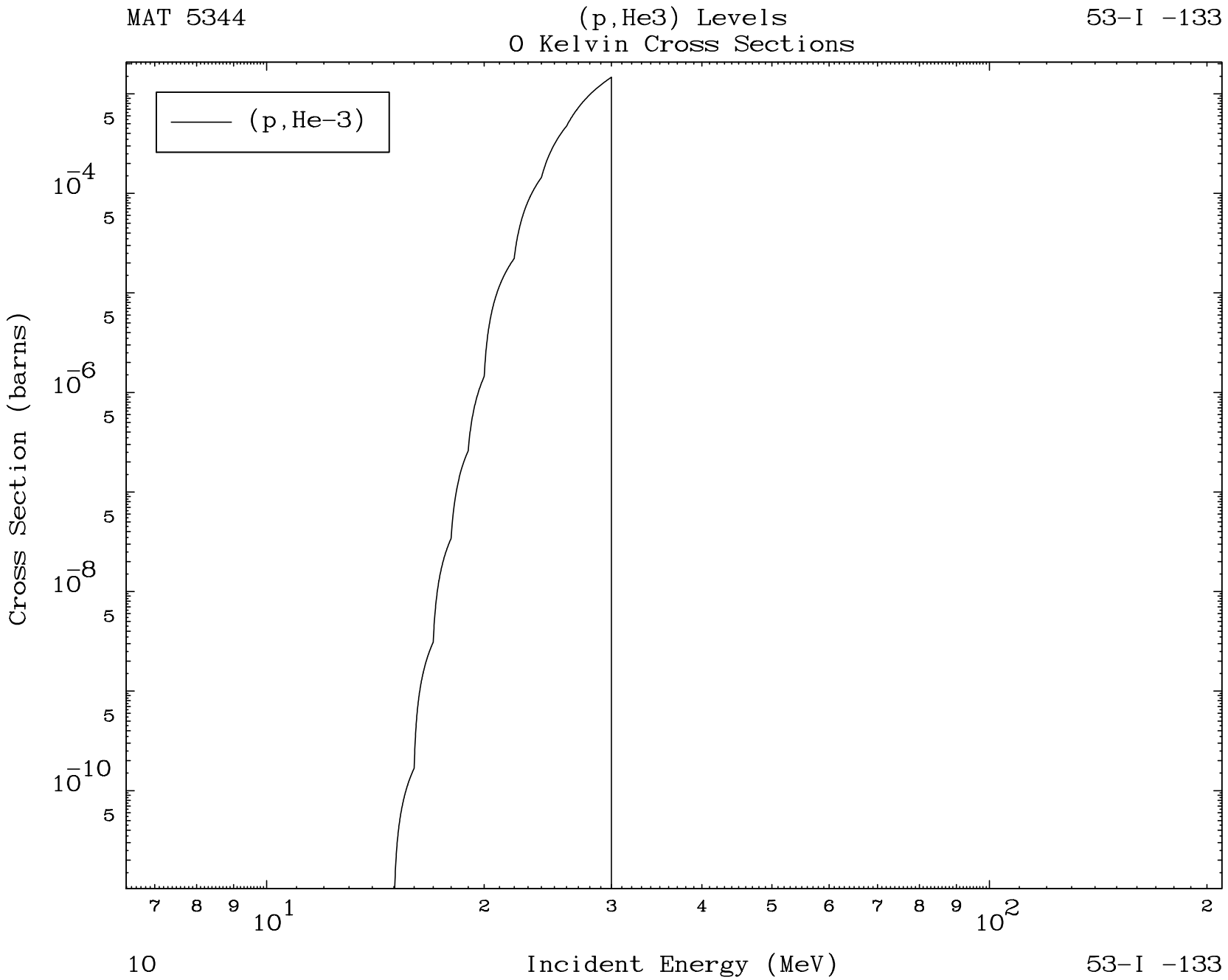

MAT 5344
Proton Charged Particle
0 Kelvin Cross Sections
53-I -133
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
53-I -133

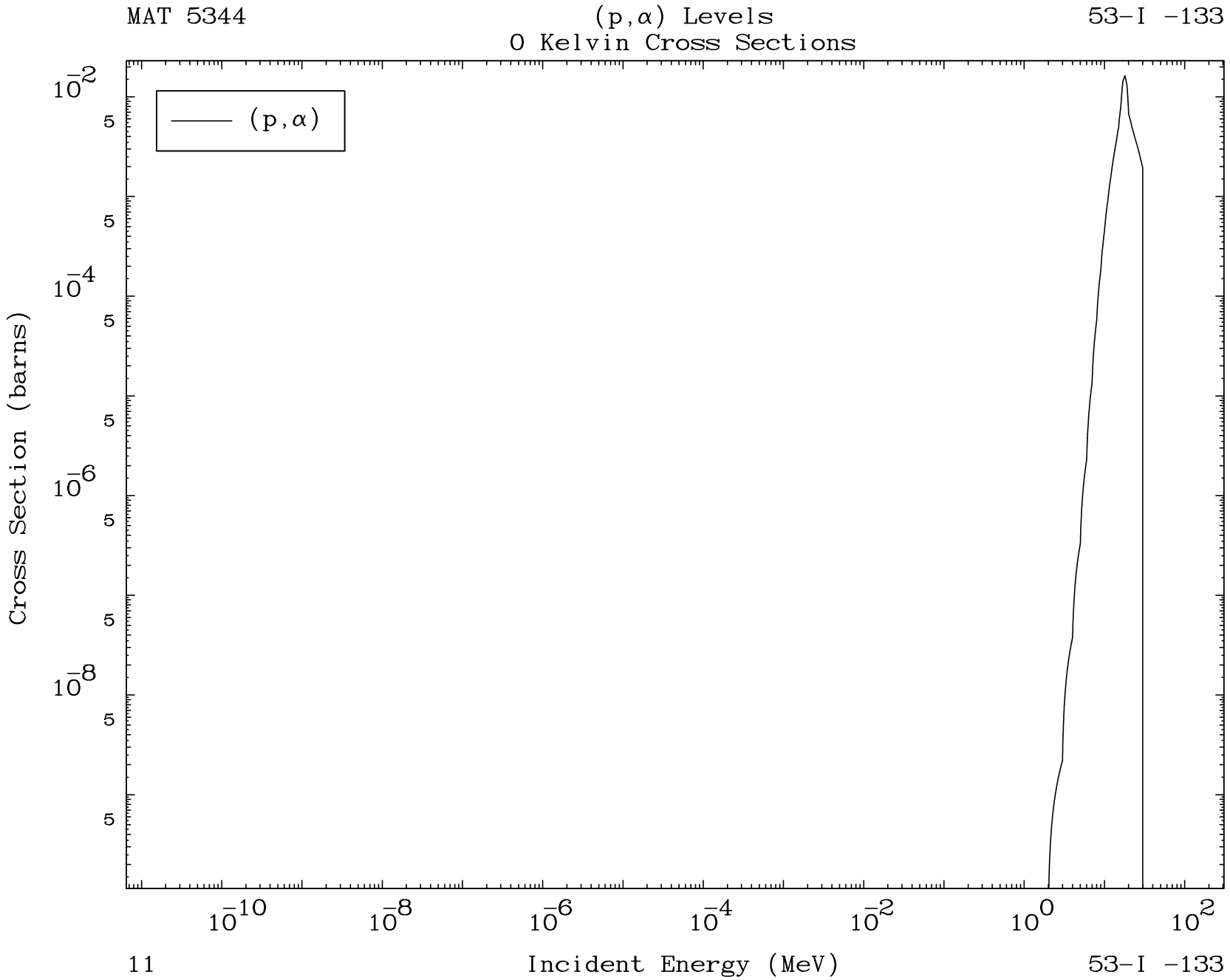

MAT 5344
(p,n') Level
53-I -133
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
53-I -133

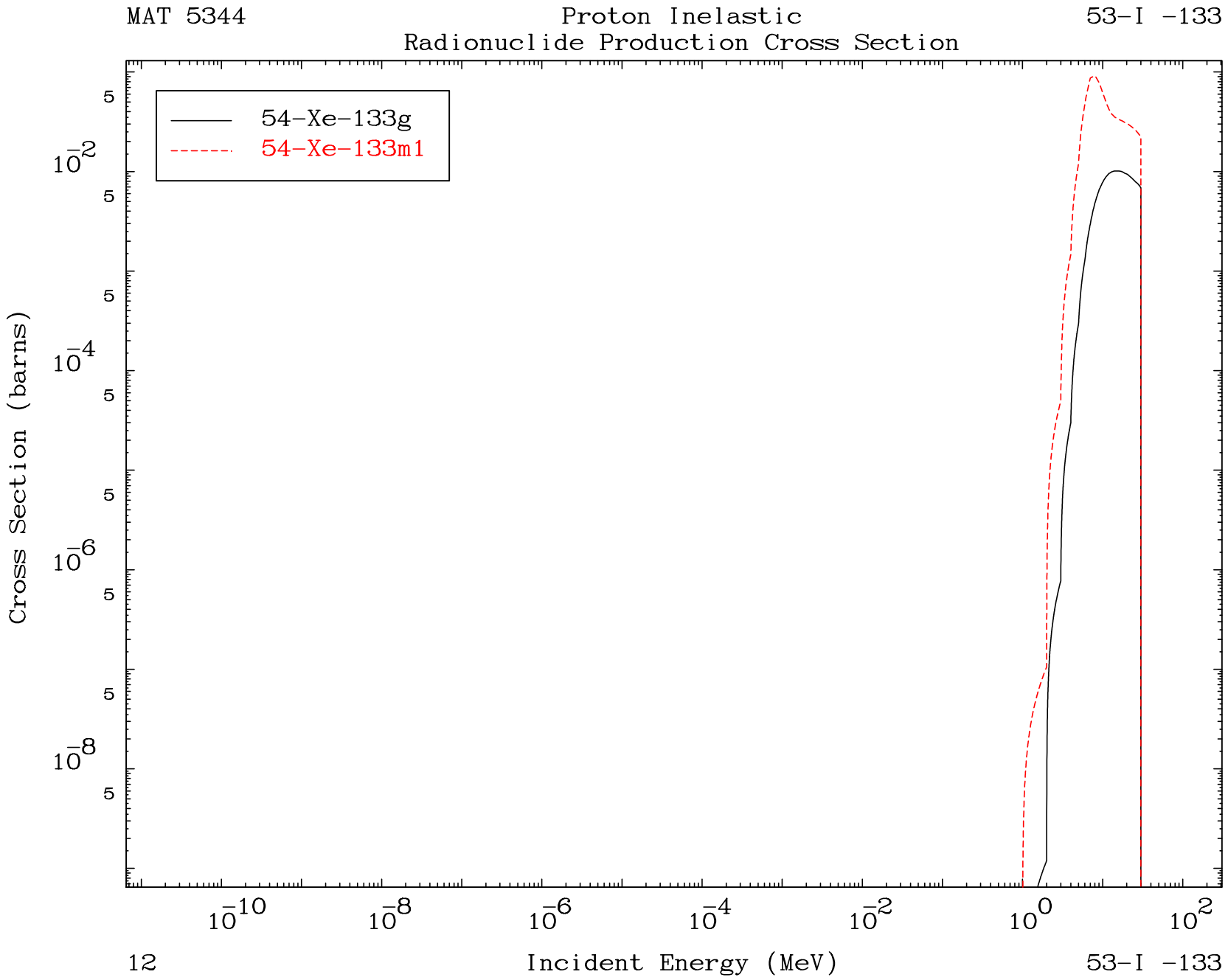

MAT 5344
(p,p) Levels
53-I -133
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
53-I -133

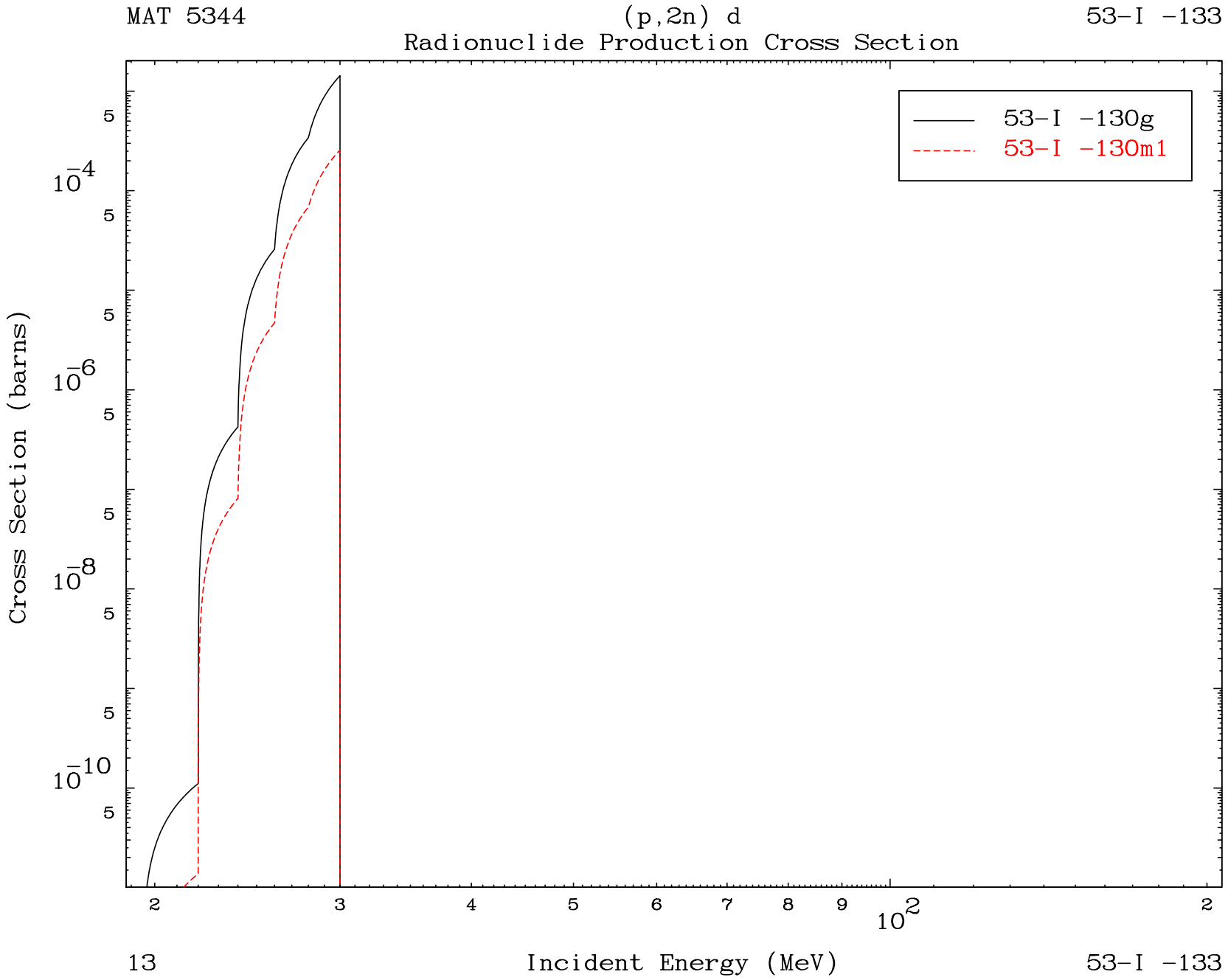

0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
5 6 7 8 9 101 2 3 4 5 6 7 8 9 102 2
Incident Energy (MeV)

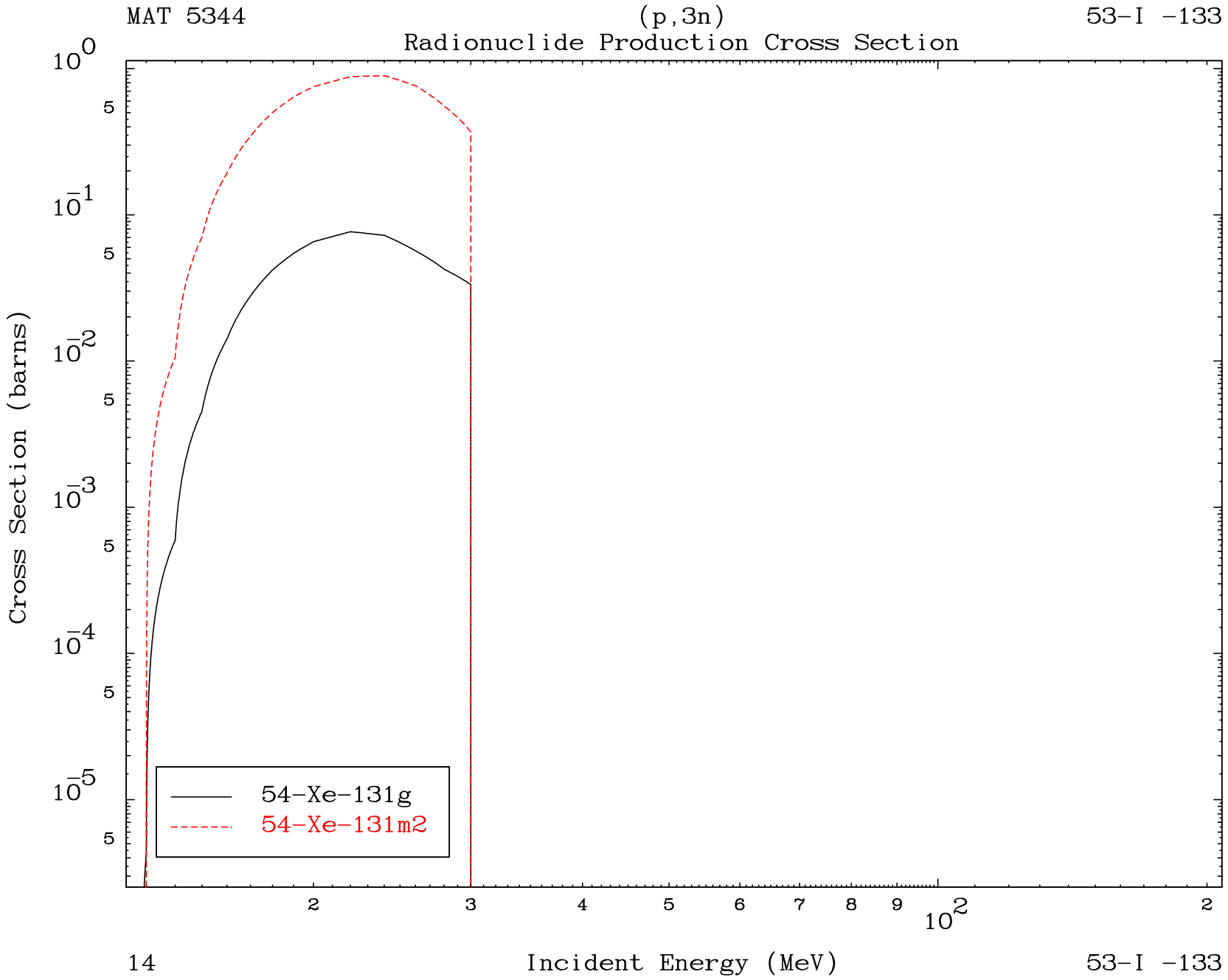

0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)

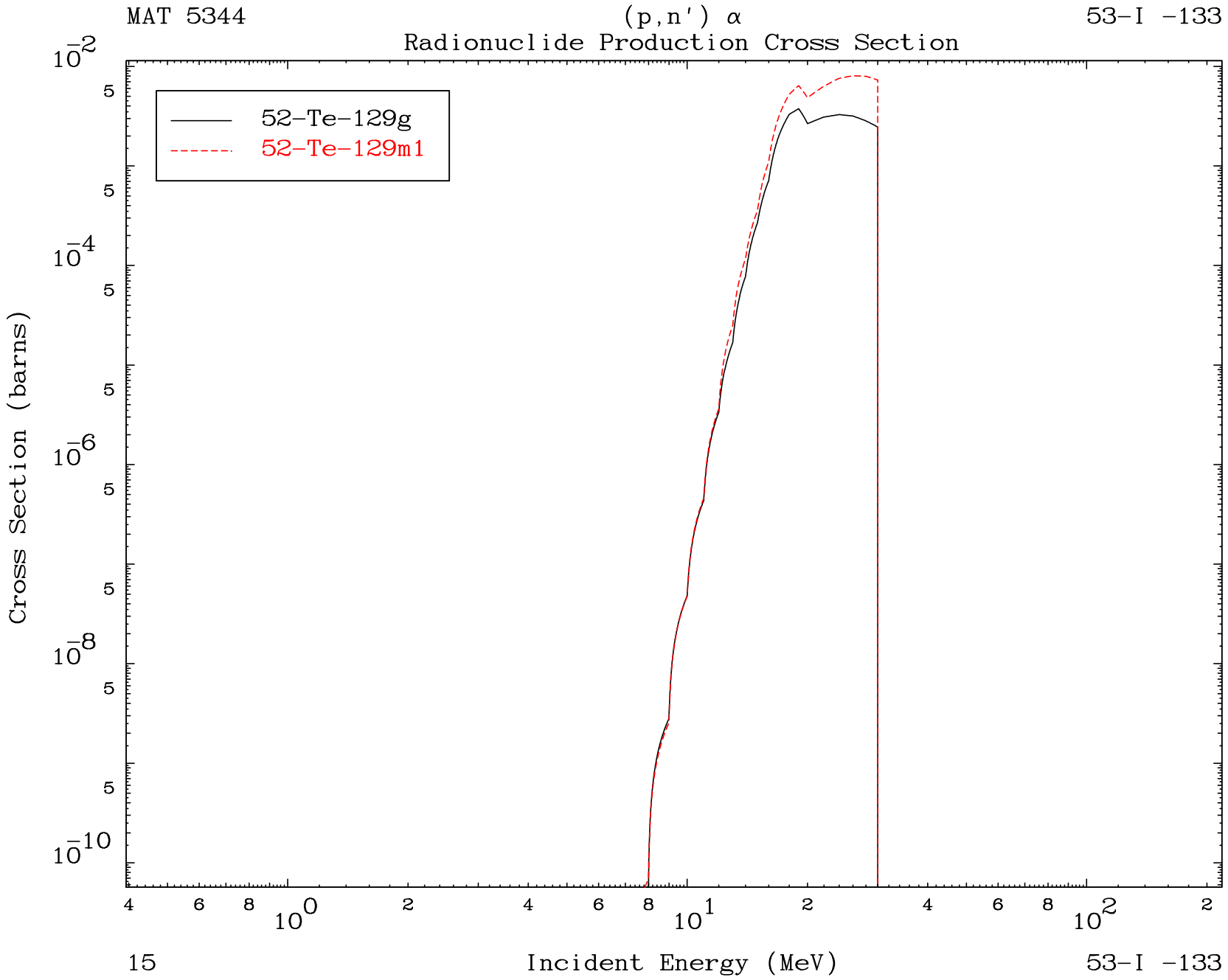

MAT 5344
(p,He3) Levels
53-I -133
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
53-I -133

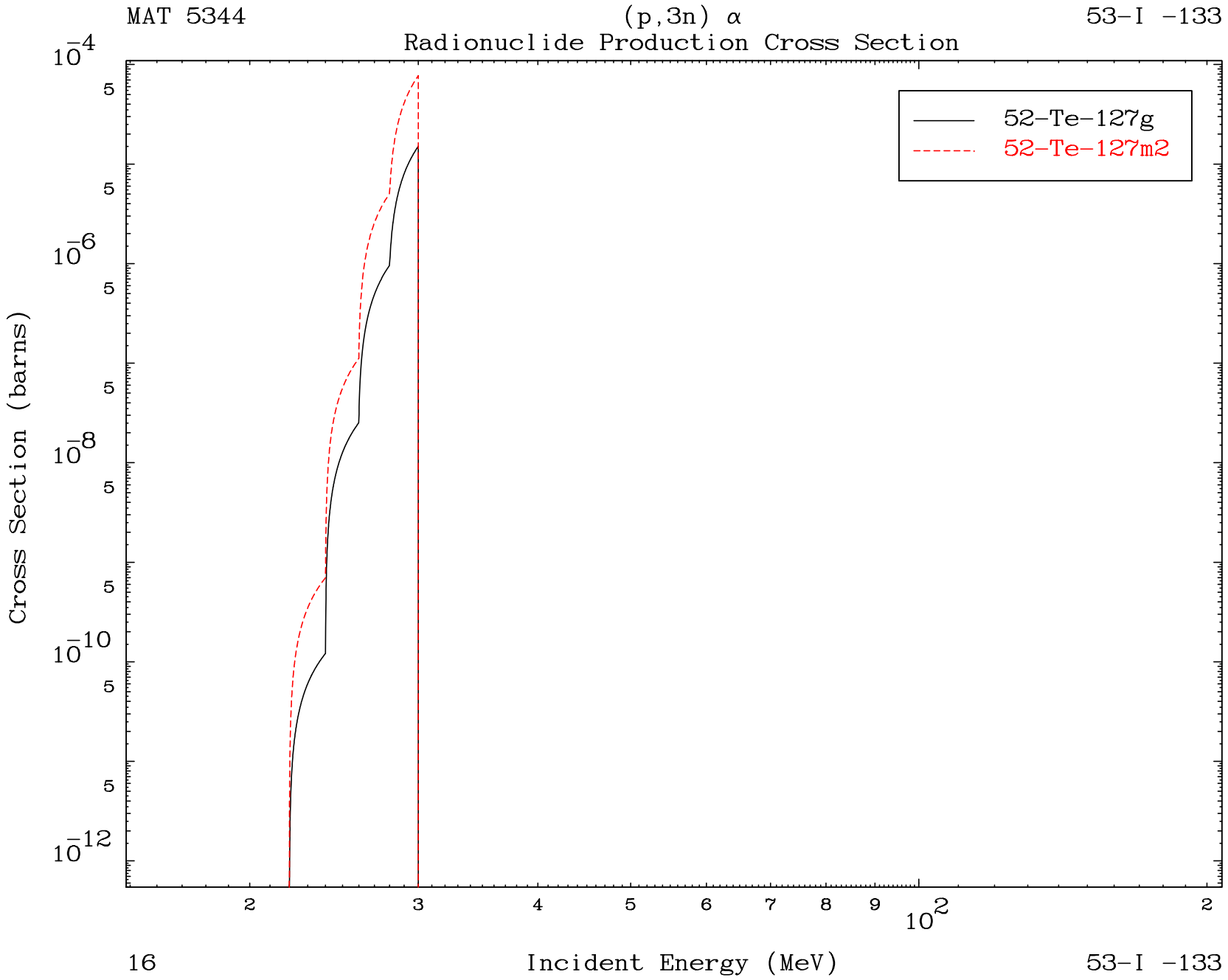

MAT 5344
(p,α) Levels
53-I -133
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
11
Incident Energy (MeV)
53-I -133

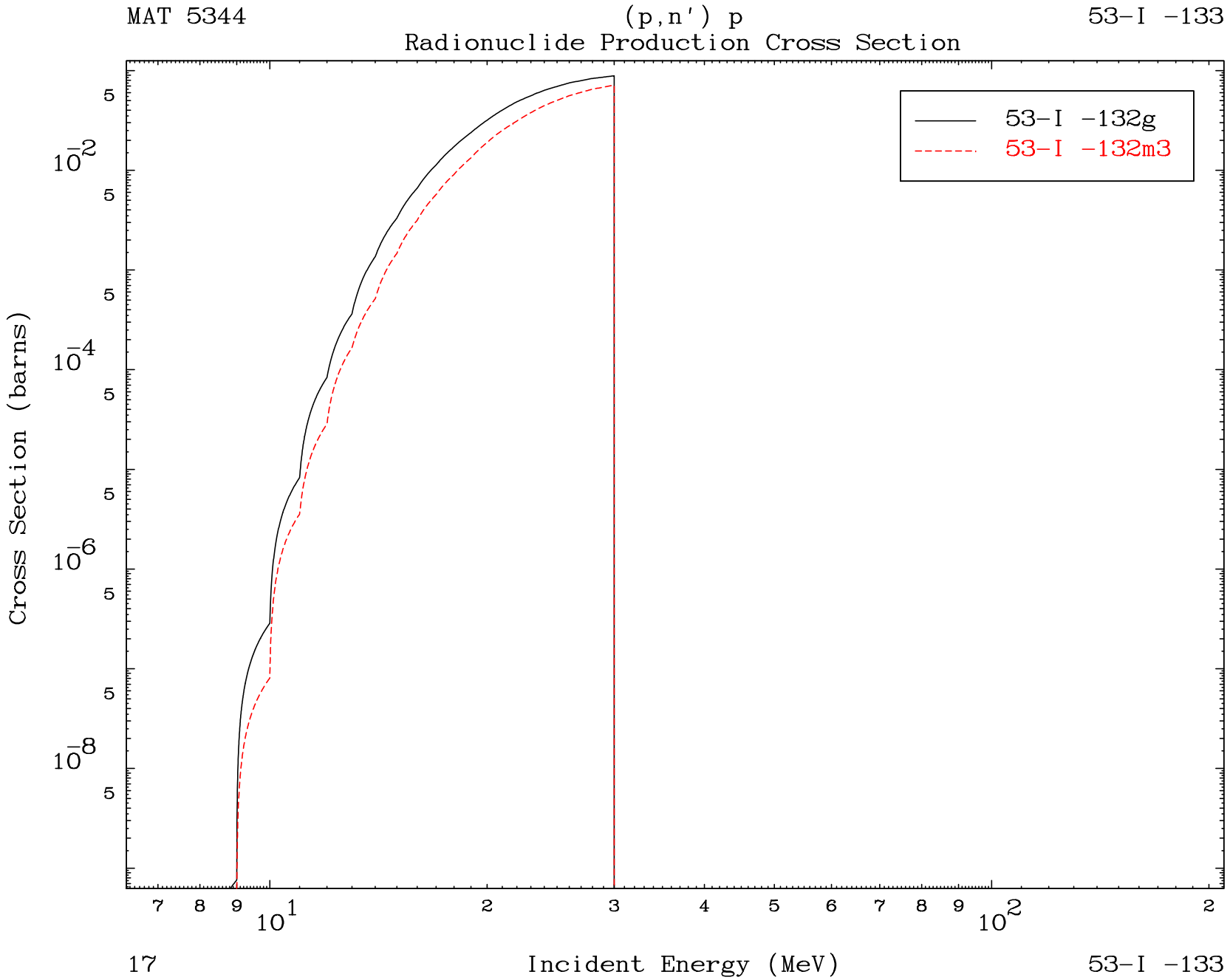

MAT 5344
Proton Inelastic
53-I -133
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
12
53-I -133

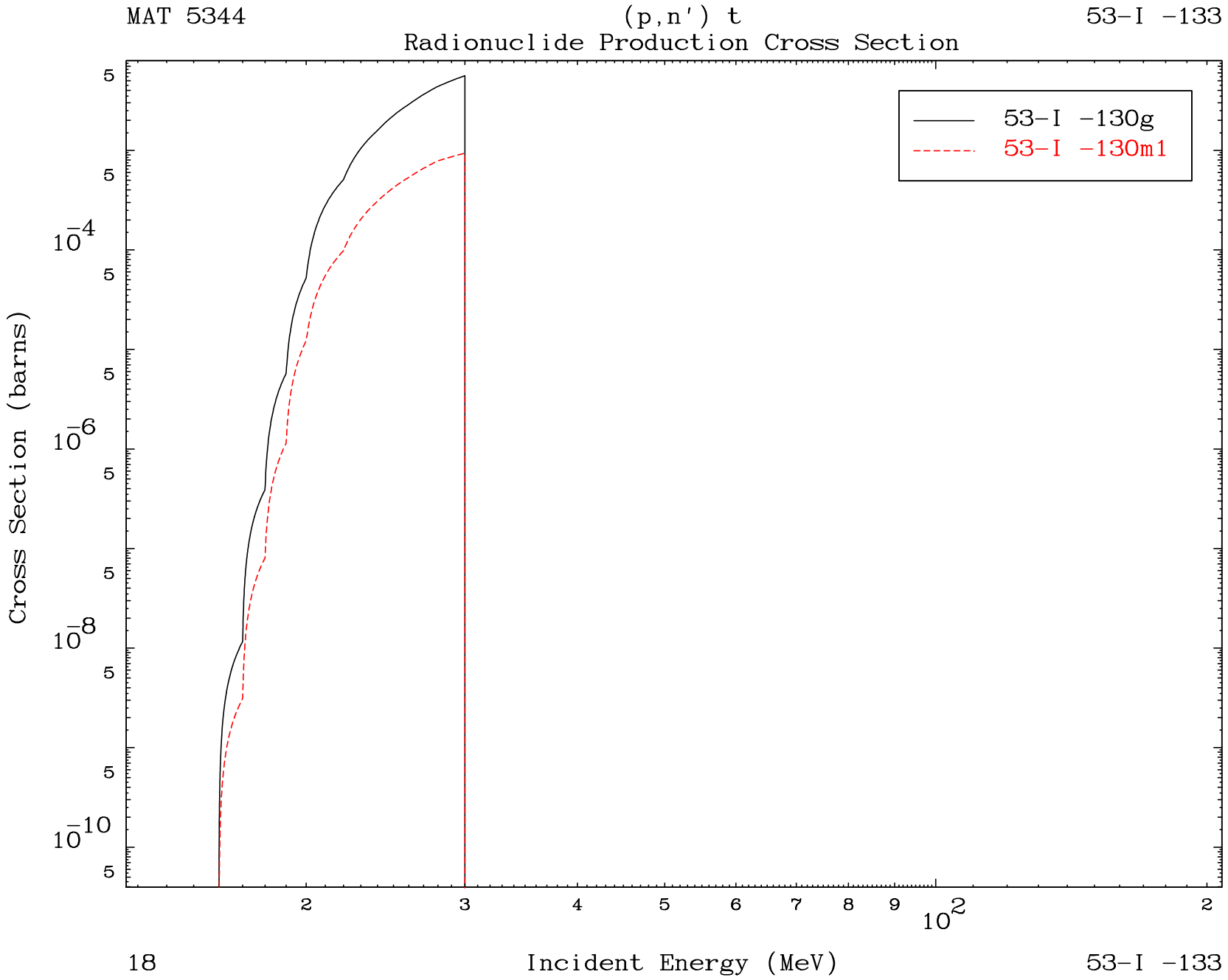

MAT 5344
(p,2n) d
53-I -133
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
53-I -133

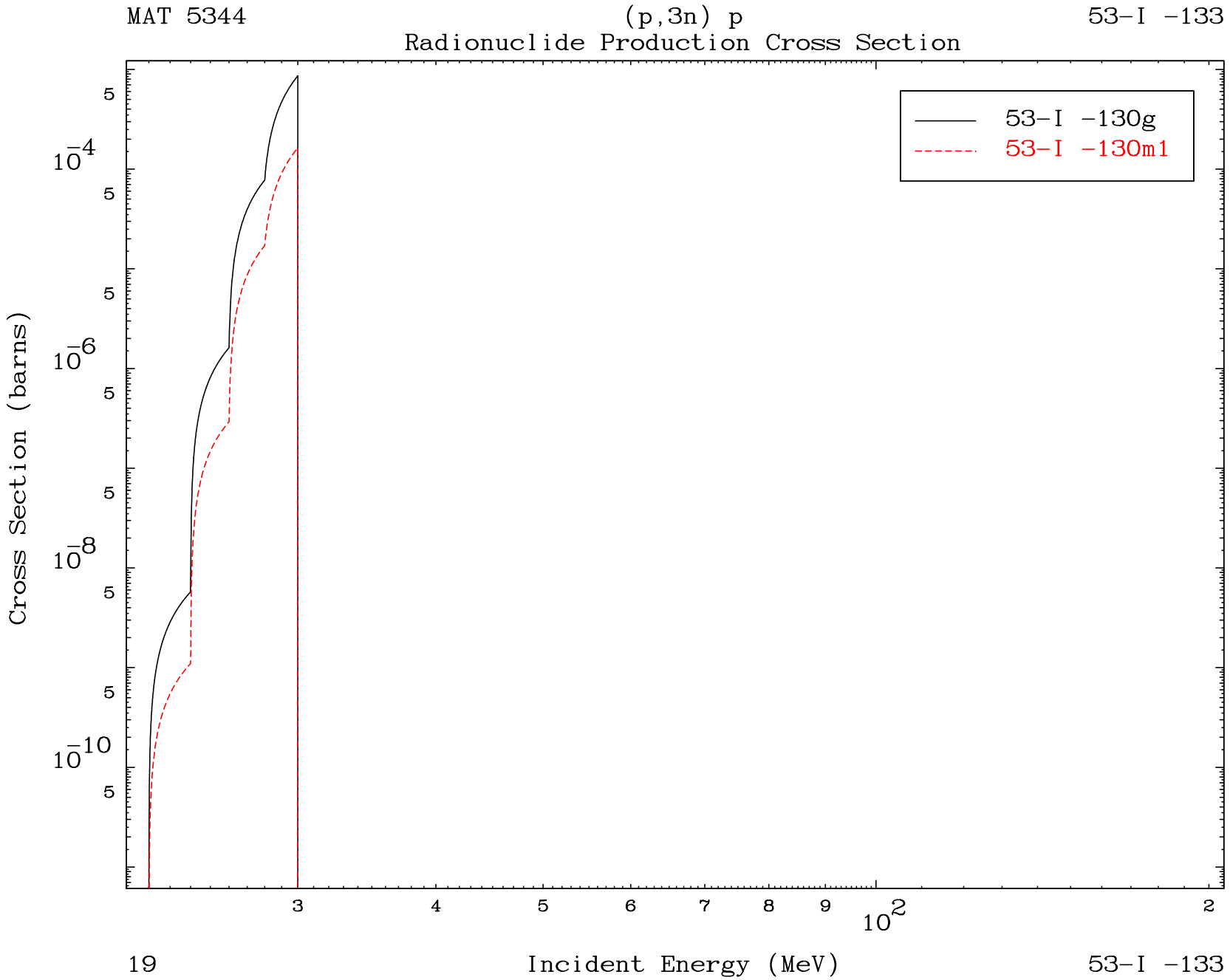

MAT 5344
(p,3n)
53-I -133
Radionuclide Production Cross Section
Cross Section (barns)
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
5
2
3
4
6
7
8
9
10^2
54-Xe-131g
54-Xe-131m2
14
Incident Energy (MeV)
53-I -133

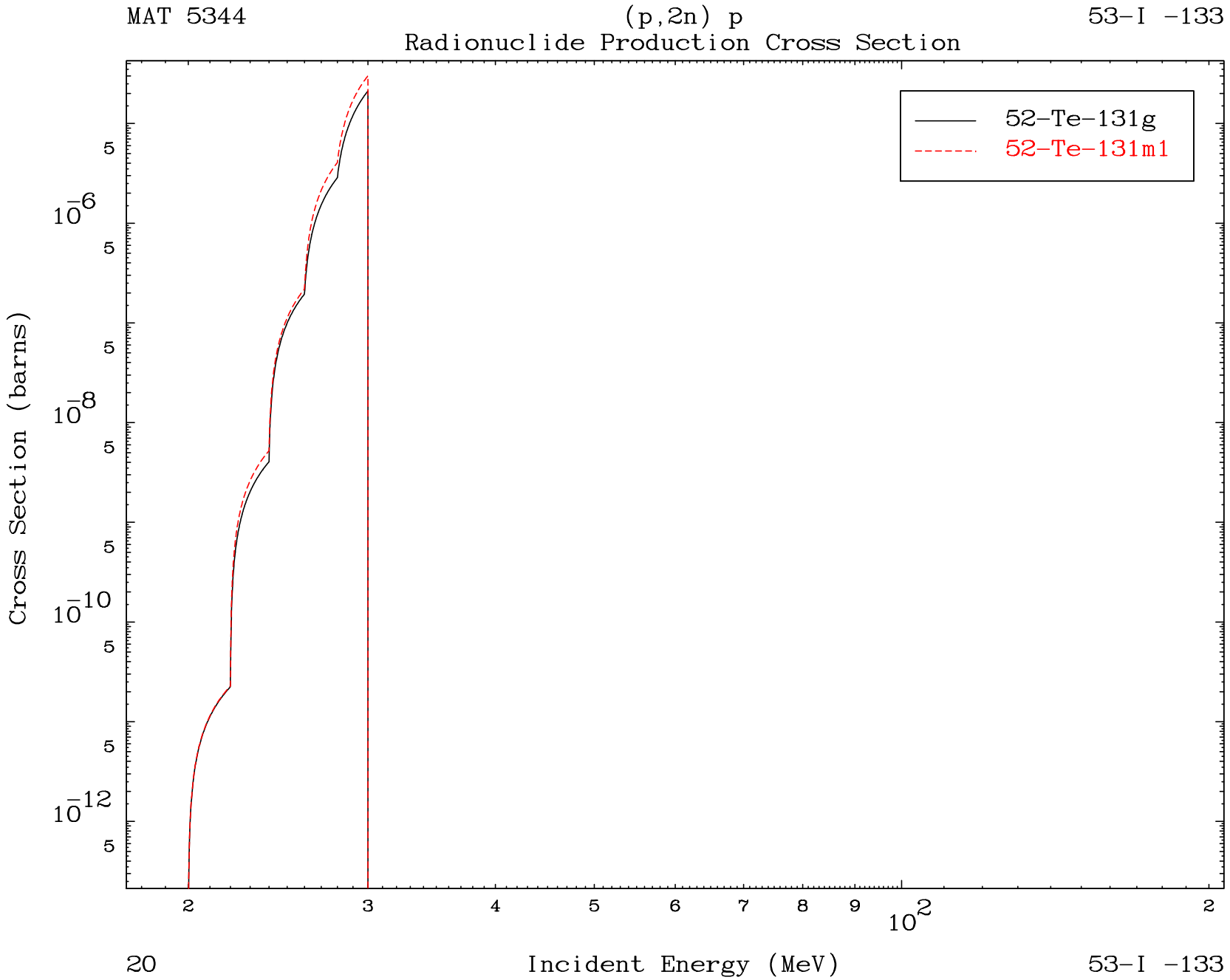

MAT 5344
(p,n') α
53-I -133
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
Incident Energy (MeV)
15
53-I -133

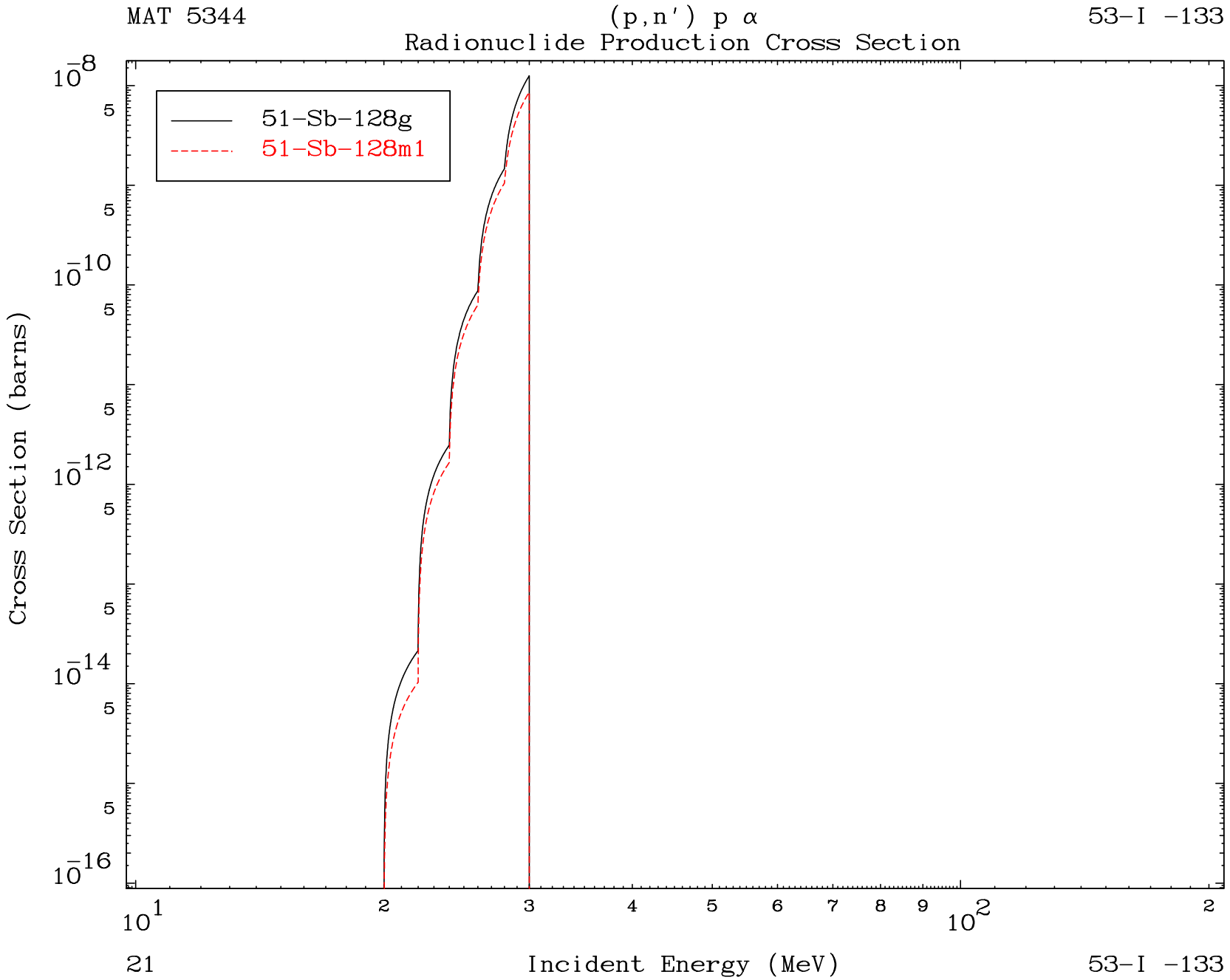

MAT 5344
(p,3n) α
53-I -133
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
Incident Energy (MeV)
16
53-I -133

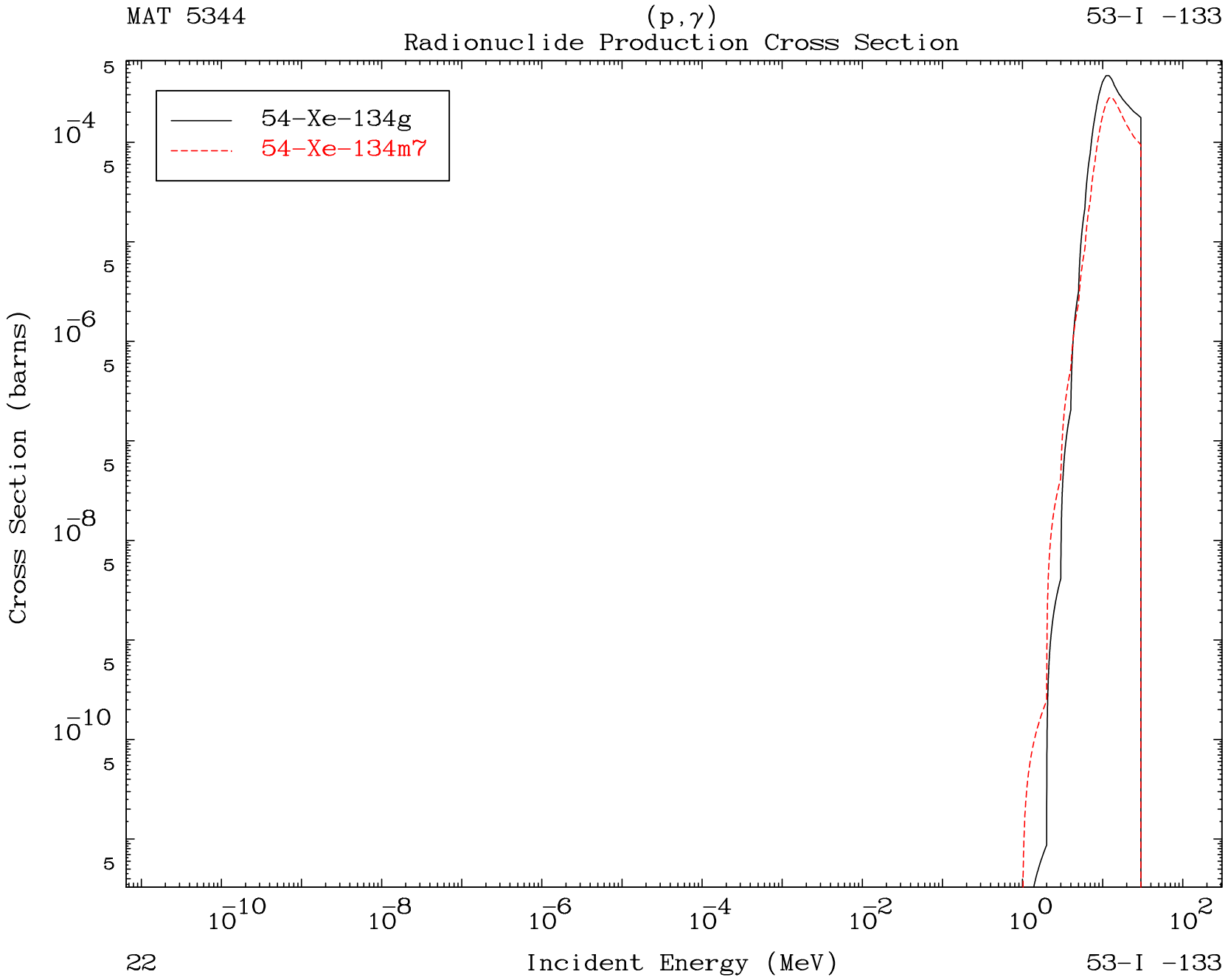

MAT 5344
(p,n') p
53-I -133
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
Incident Energy (MeV)
17
53-I -133

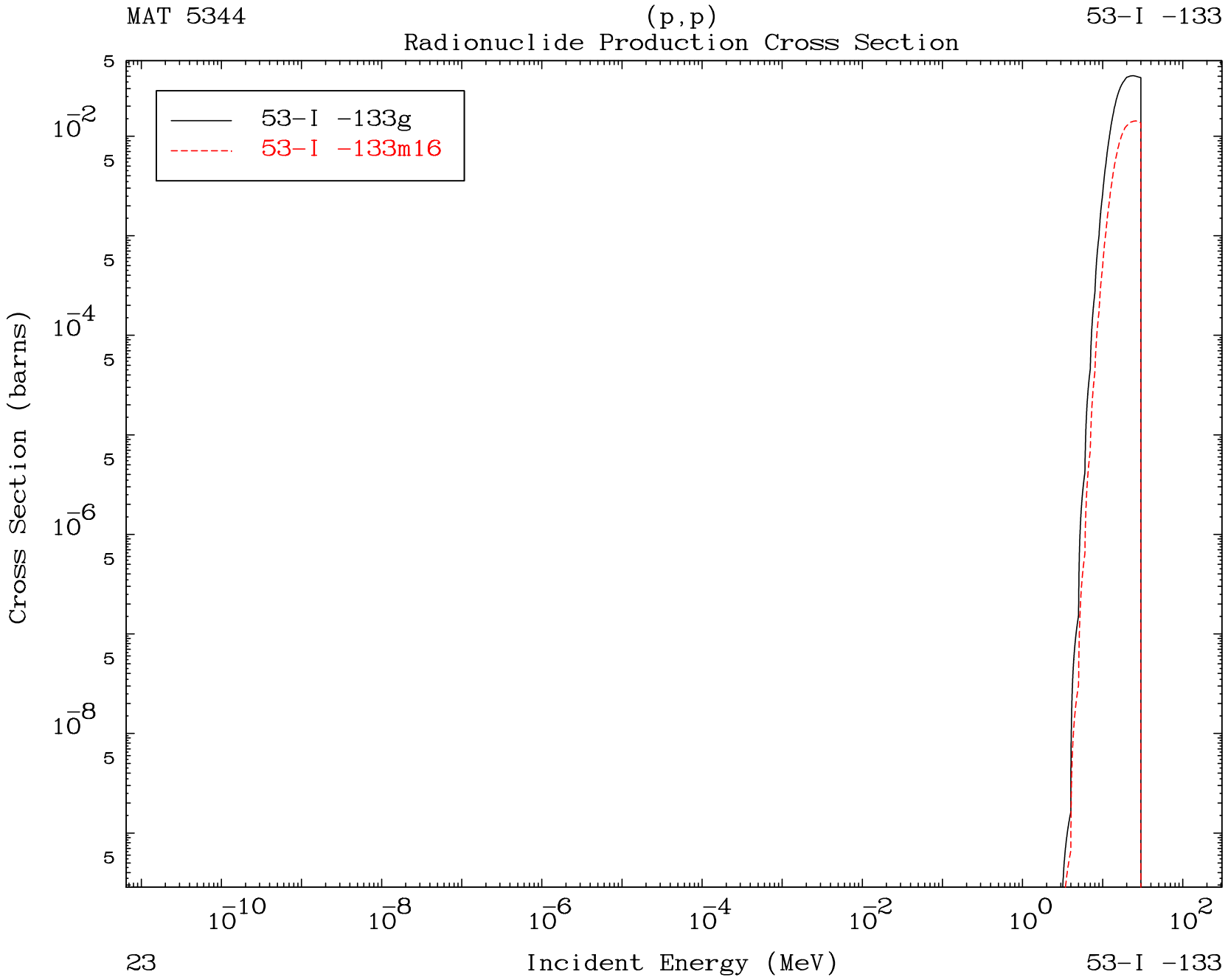

MAT 5344
(p,n') t
53-I -133
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
53-I -133

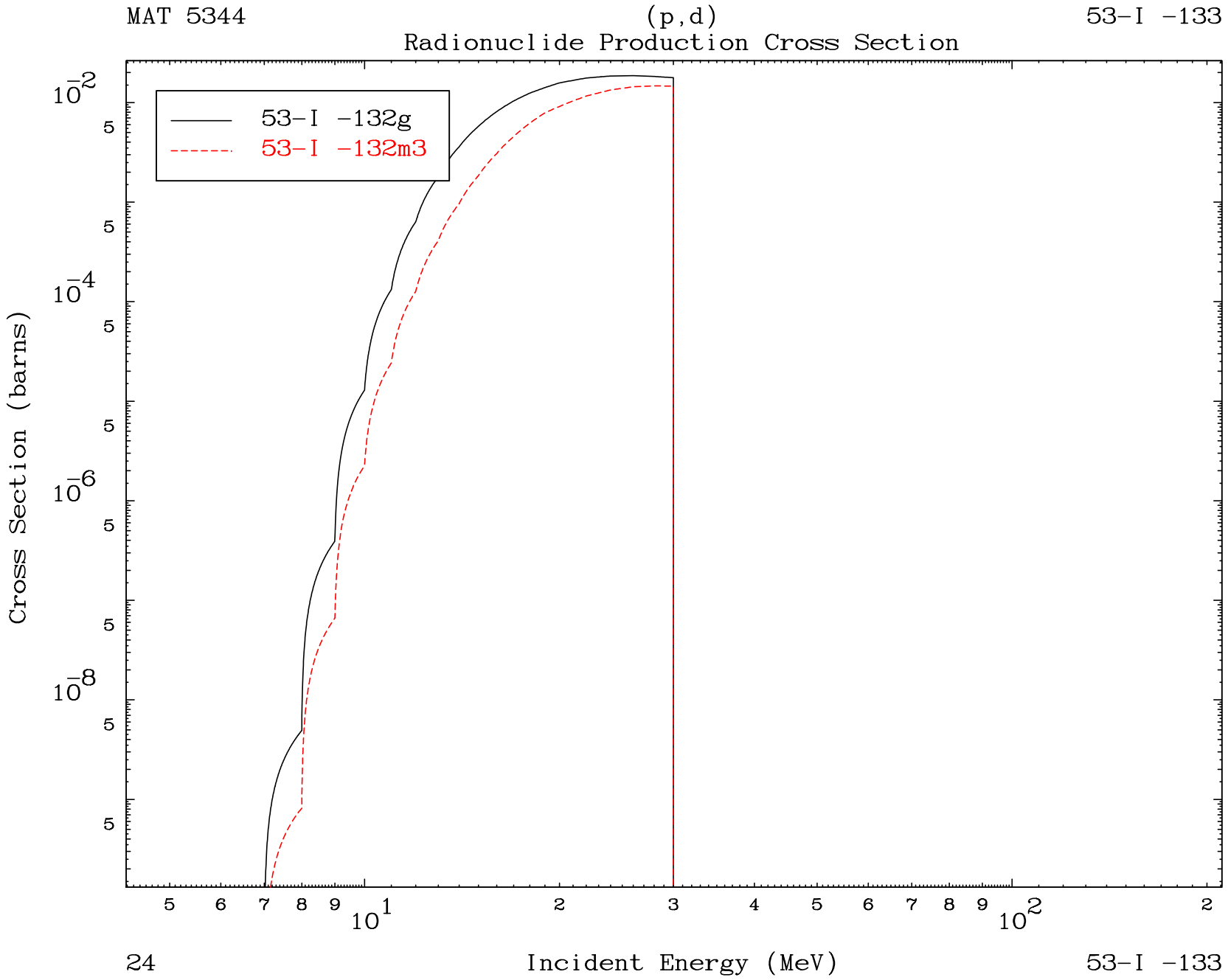

MAT 5344
(p,3n) p
53-I -133
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
53-I -133

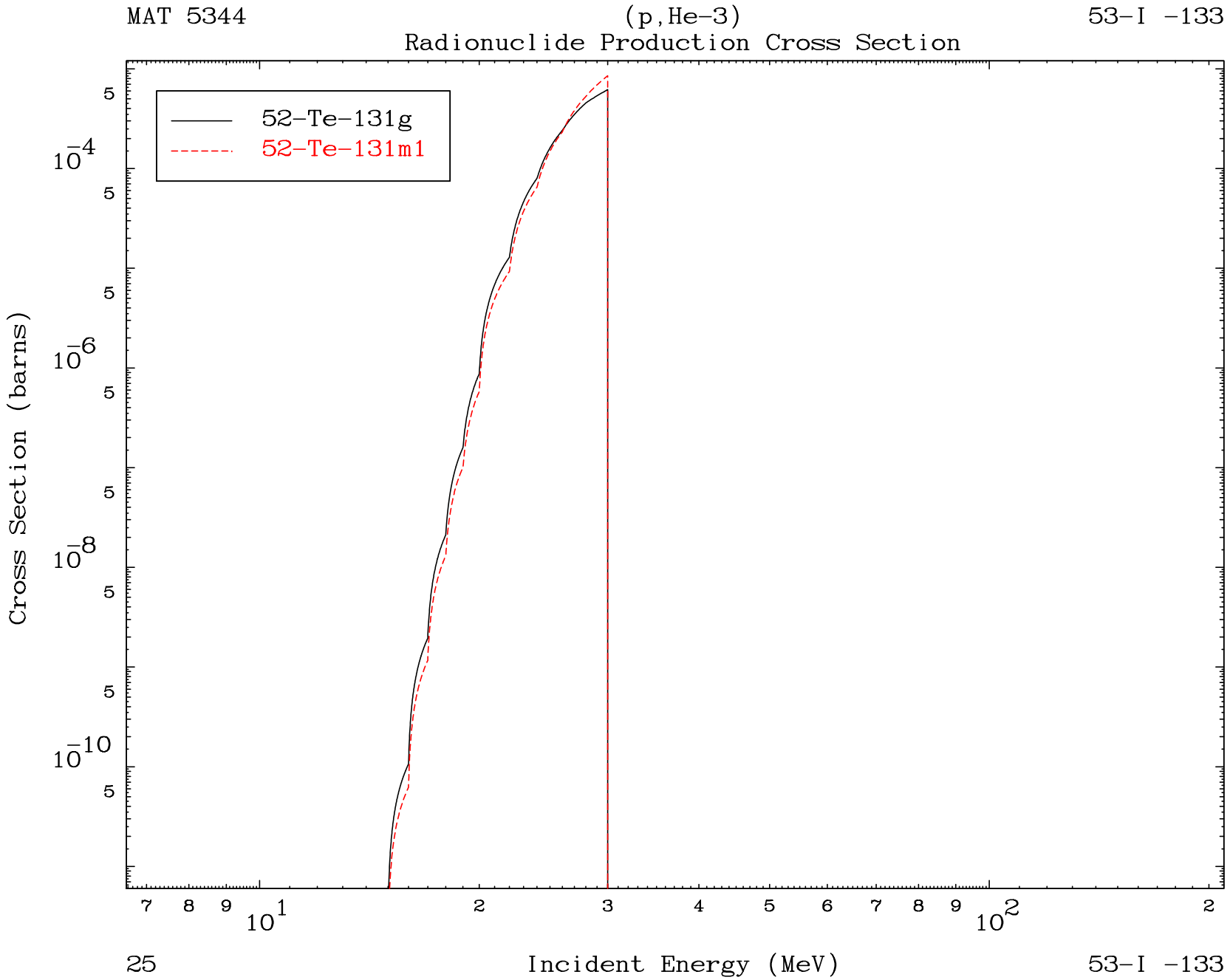

MAT 5344
(p,2n) p
53-I -133
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
20
Incident Energy (MeV)
53-I -133

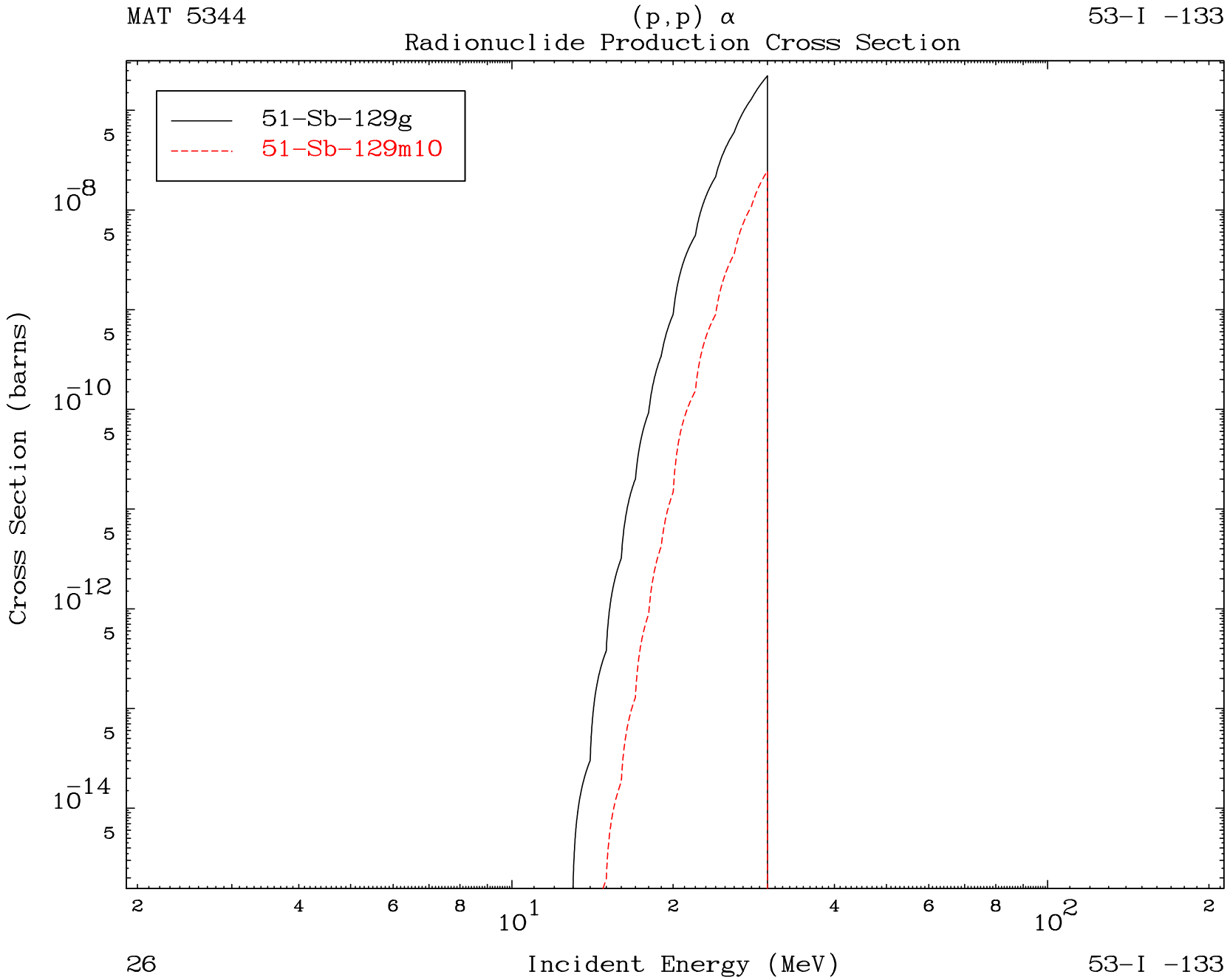

MAT 5344
(p,n') p α
53-I -133
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
21
53-I -133

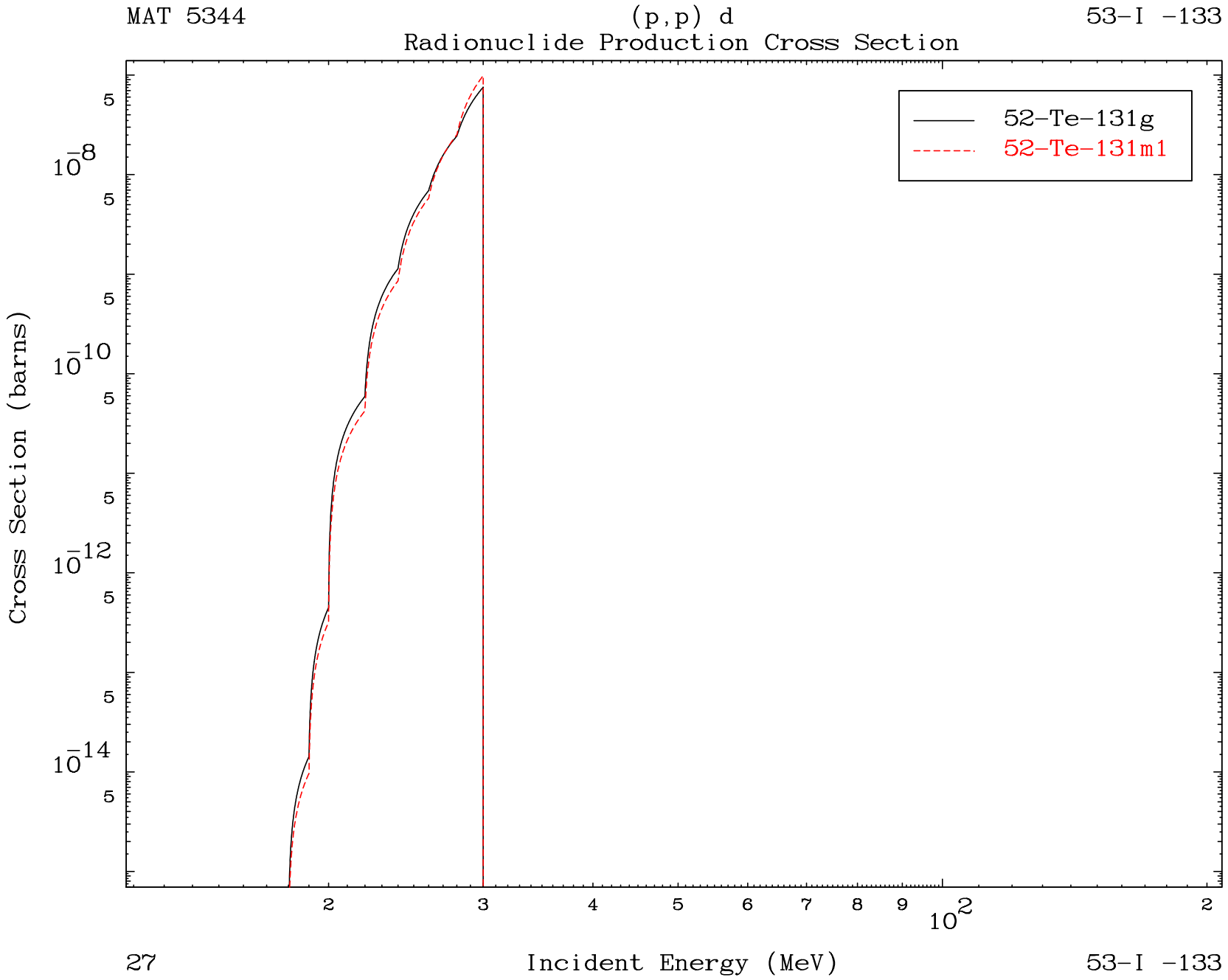

MAT 5344
(p,γ)
53-I -133
Radionuclide Production Cross Section
54-Xe-134g
54-Xe-134m7
Cross Section (barns)
Incident Energy (MeV)
22
53-I -133

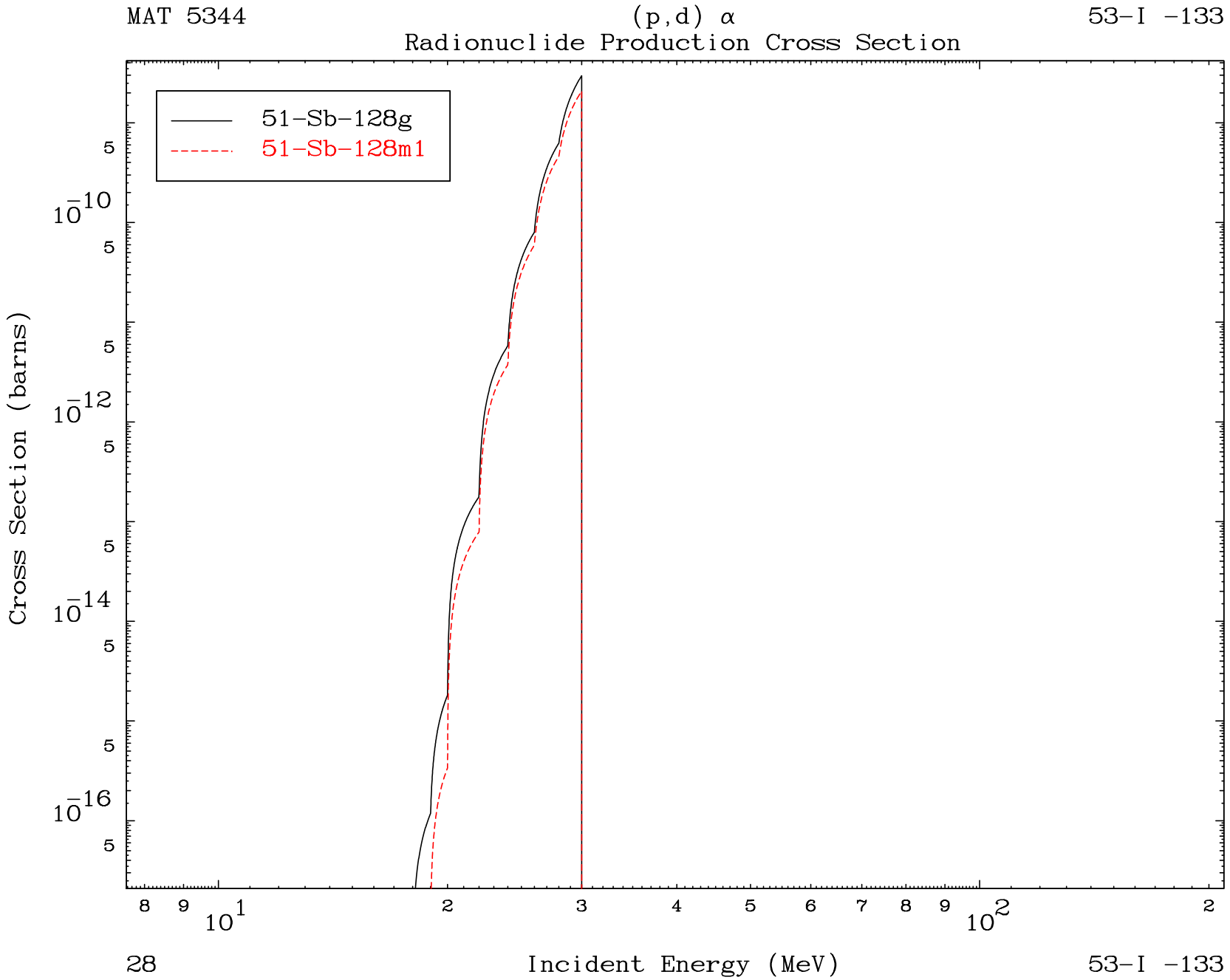

MAT 5344
(p,p)
53-I -133
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
Incident Energy (MeV)
23
53-I -133


MAT 5344
(p,d)
53-I -133
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
Incident Energy (MeV)
24
53-I -133


MAT 5344
(p,He-3)
53-I -133
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
Incident Energy (MeV)
25
53-I -133


MAT 5344
(p,p) 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
26
Incident Energy (MeV)
53-I -133


MAT 5344
(p,p) d
53-I -133
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
27
Incident Energy (MeV)
53-I -133


MAT 5344
(p,d) α
53-I -133
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
28
53-I -133