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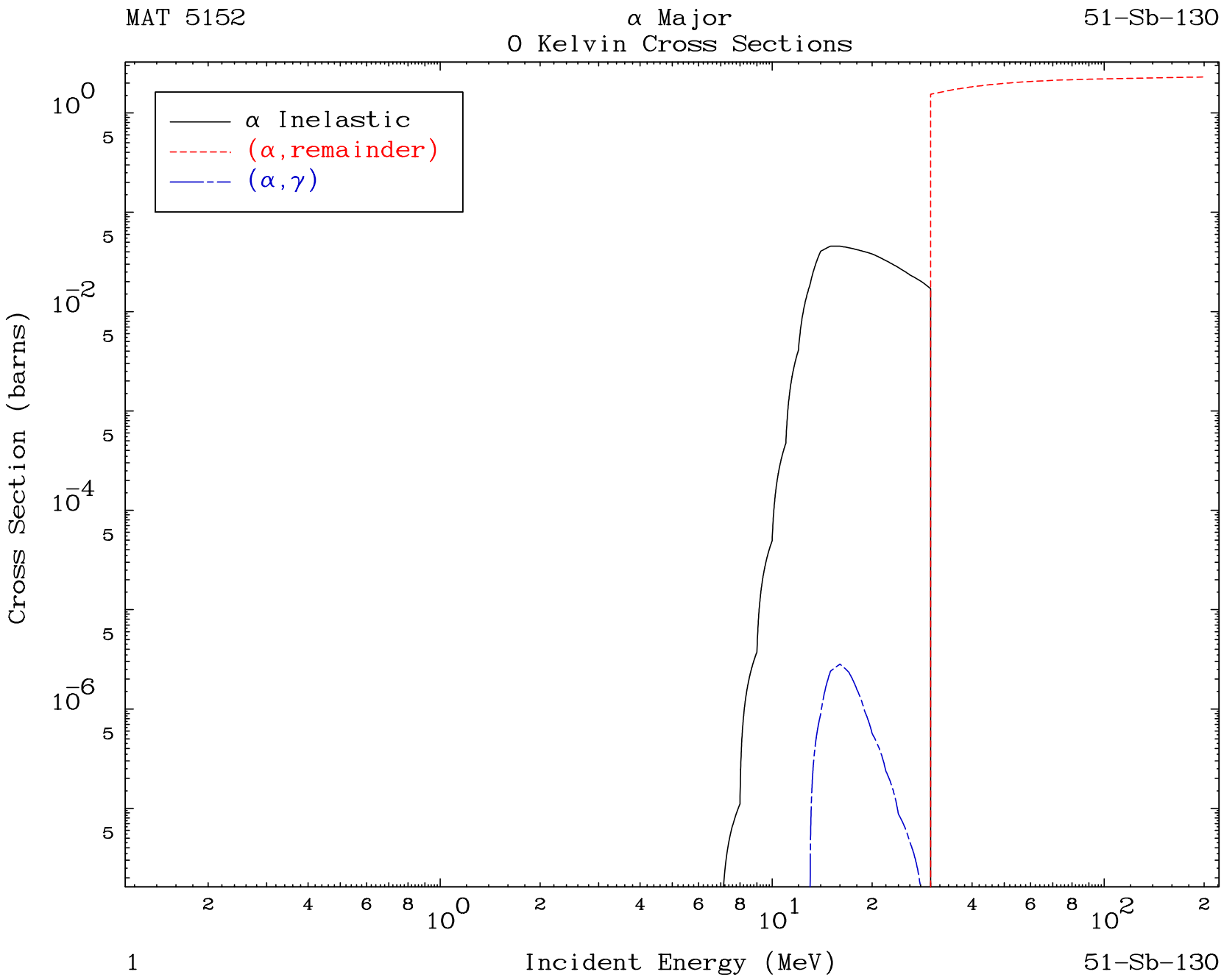
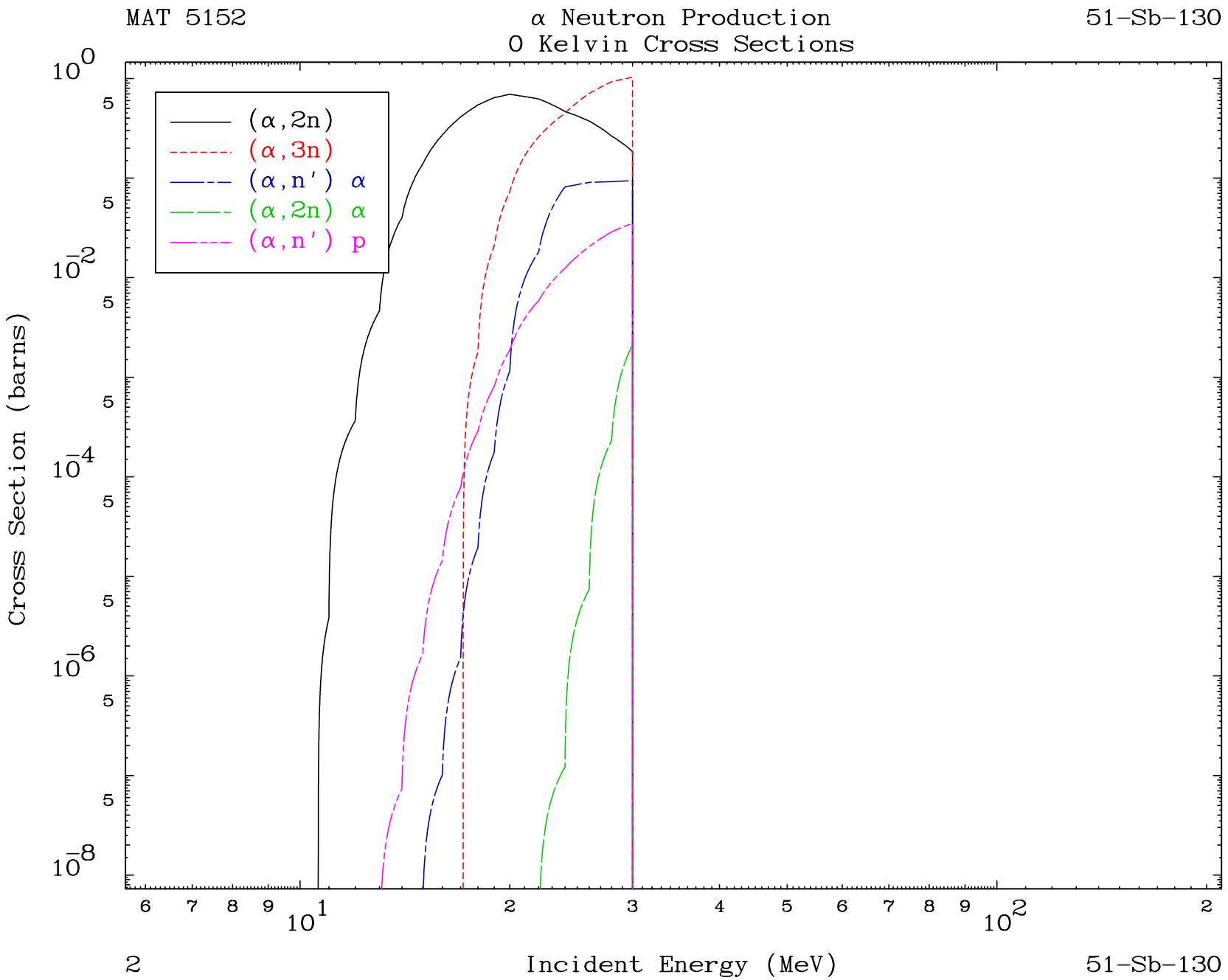
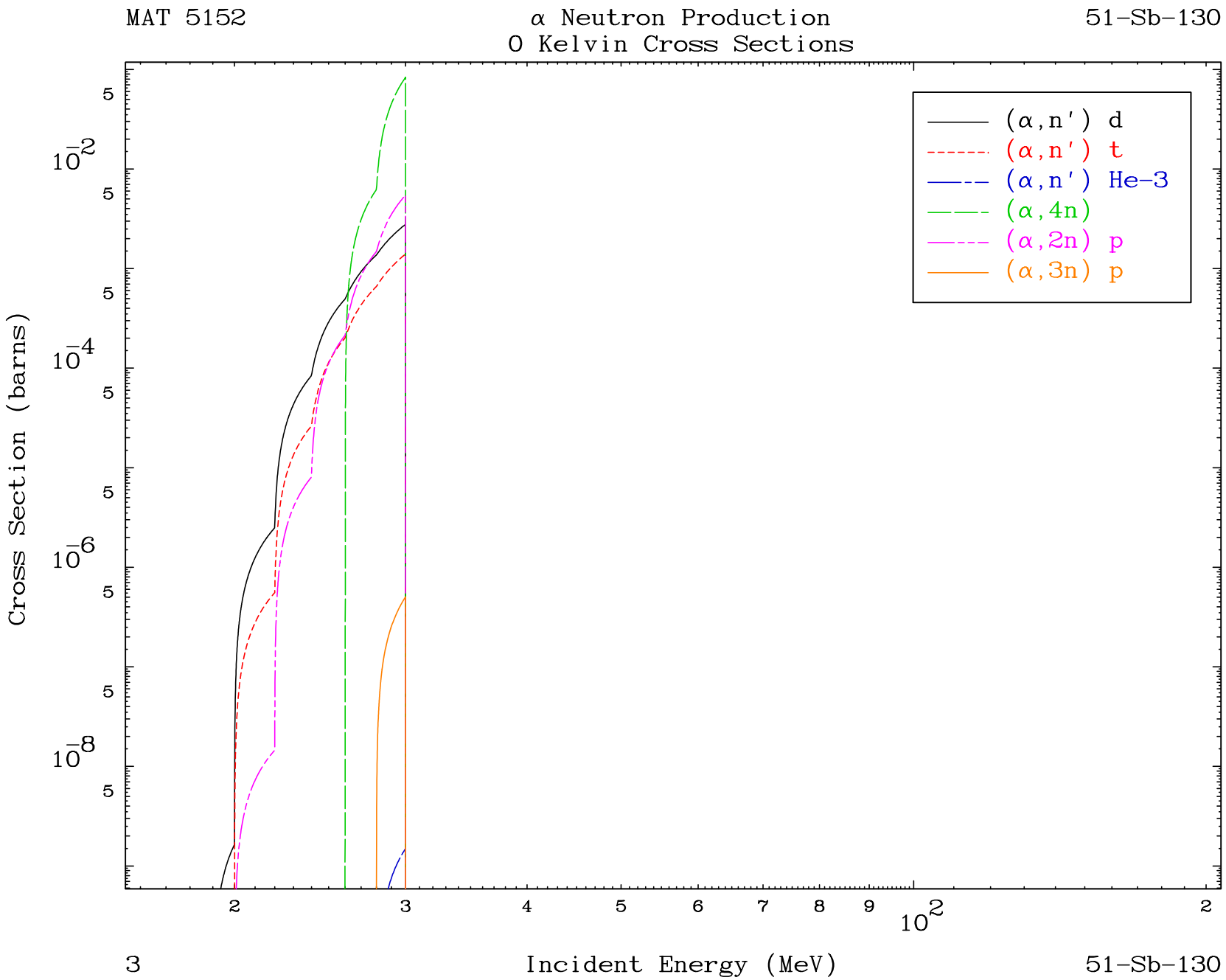
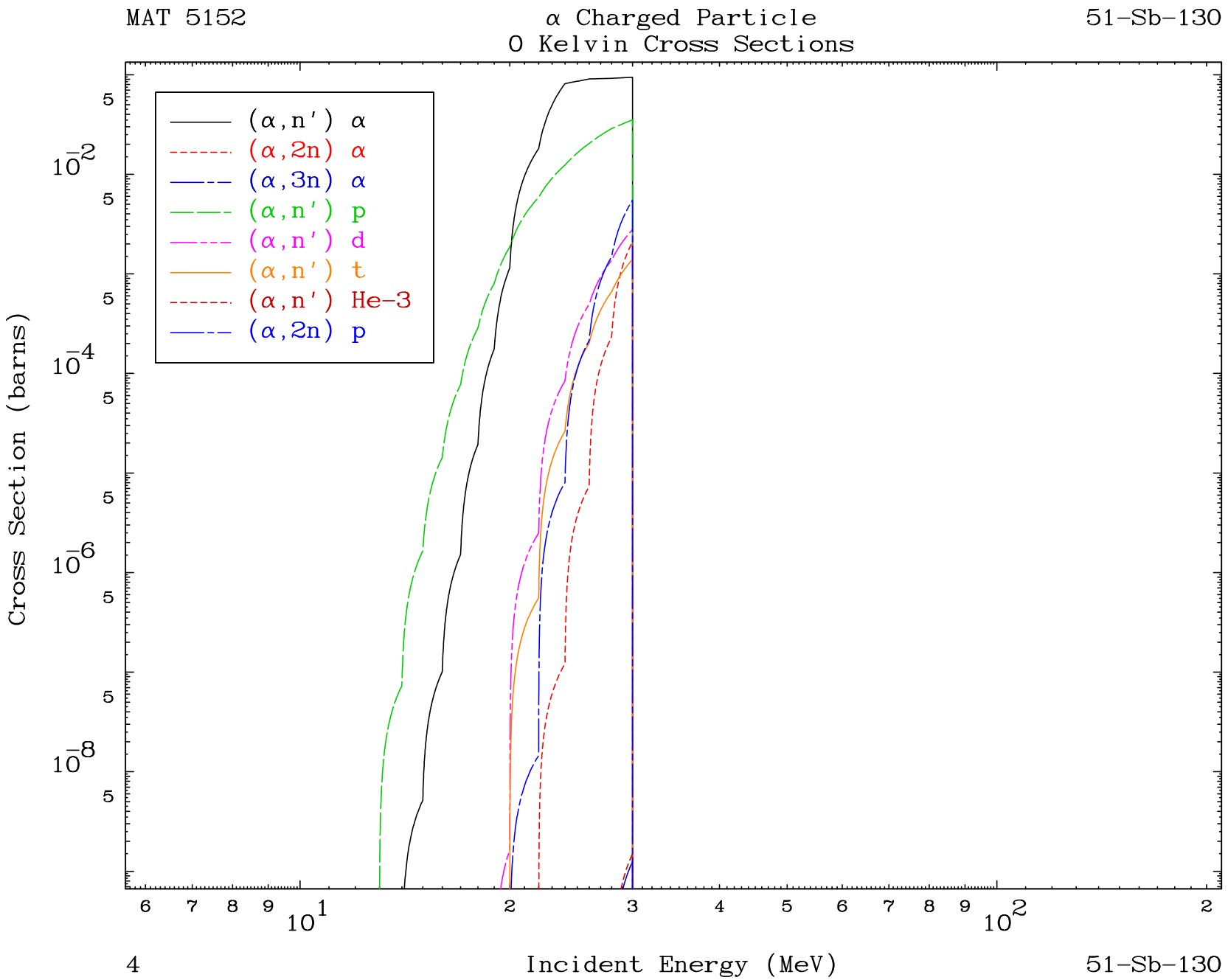
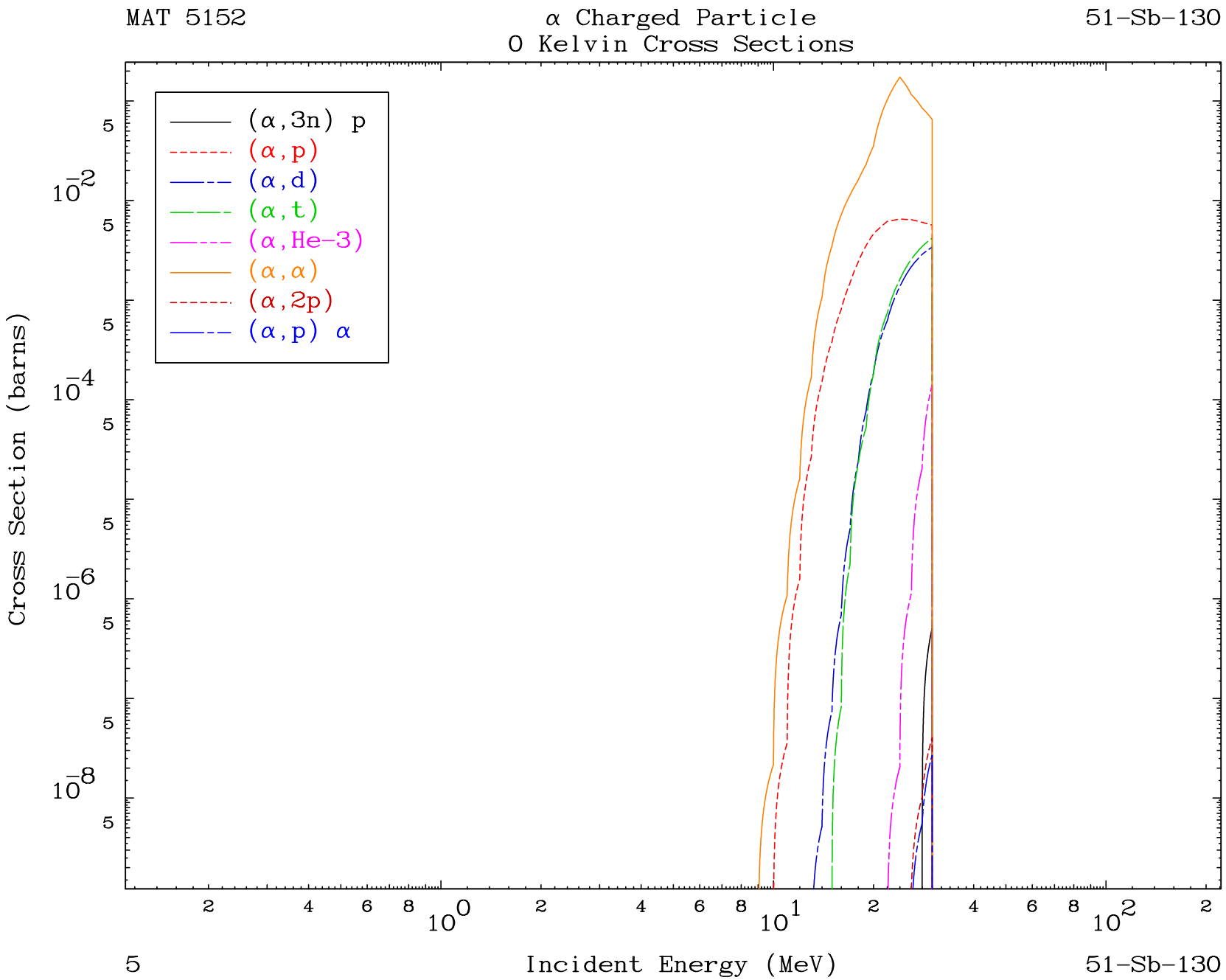
Press Mouse Button to Start

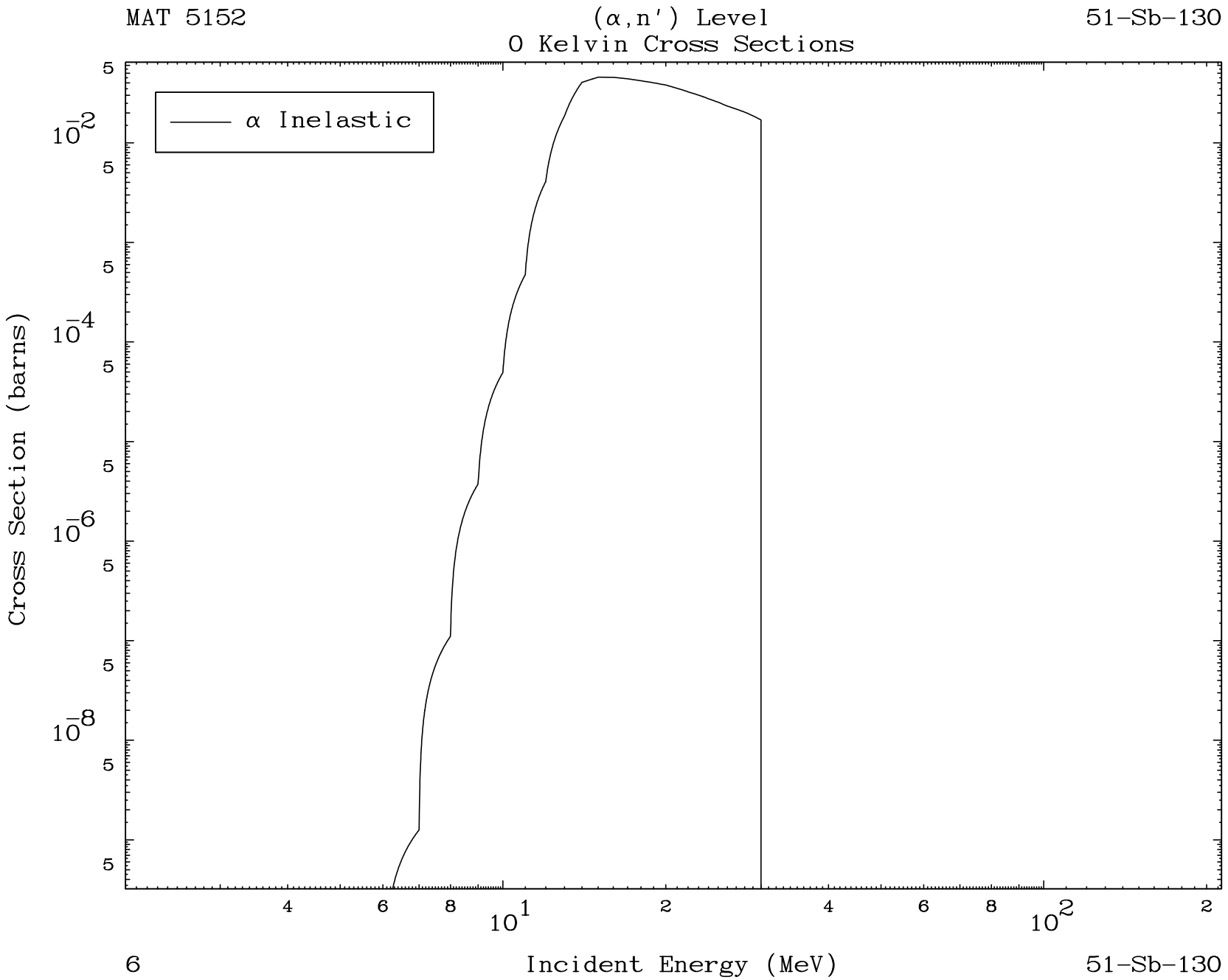

MAT 5152
α Major
51-Sb-130
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
51-Sb-130
1

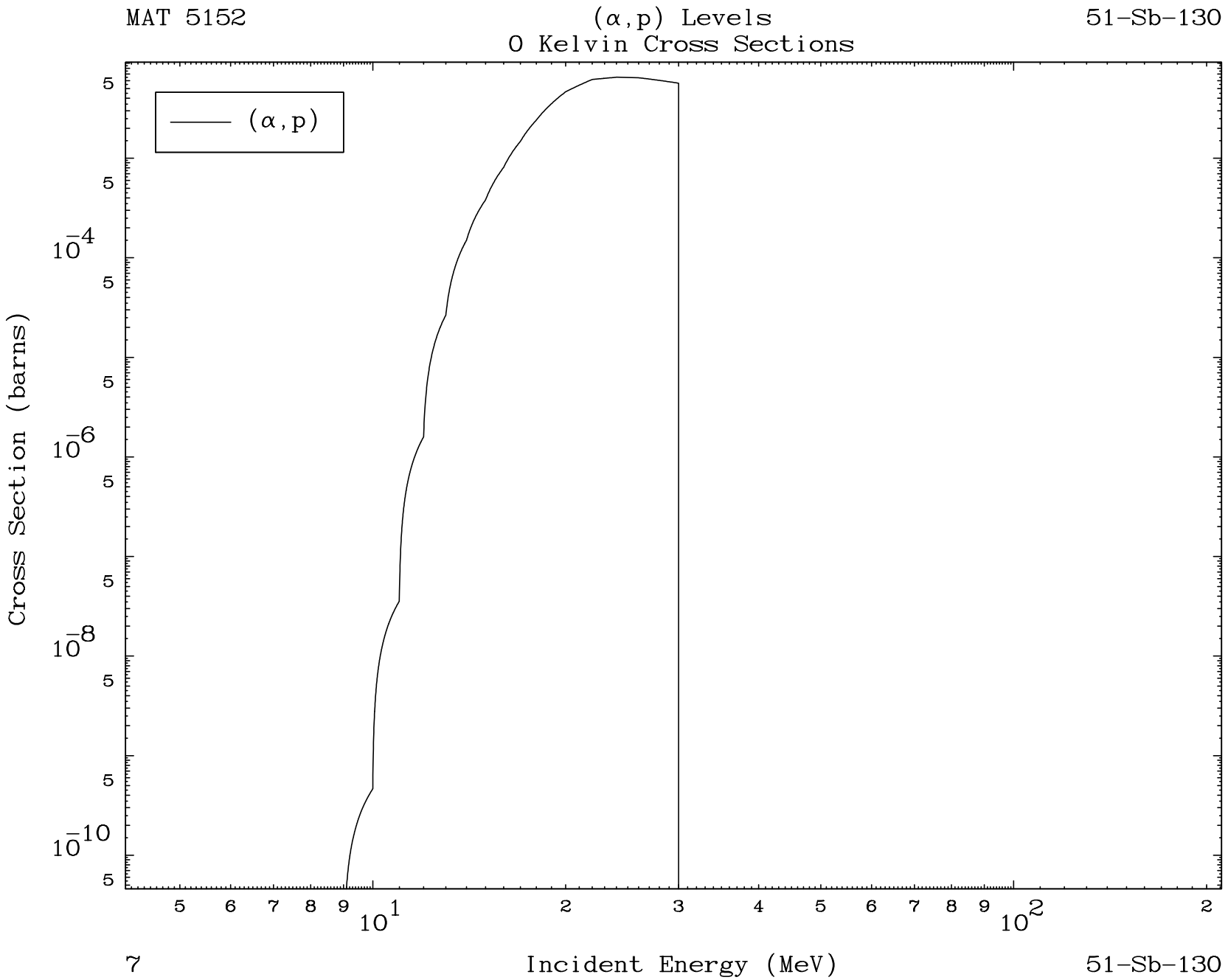

MAT 5152
α Neutron Production
0 Kelvin Cross Sections
51-Sb-130
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
Cross Section (barns)
Incident Energy (MeV)
51-Sb-130

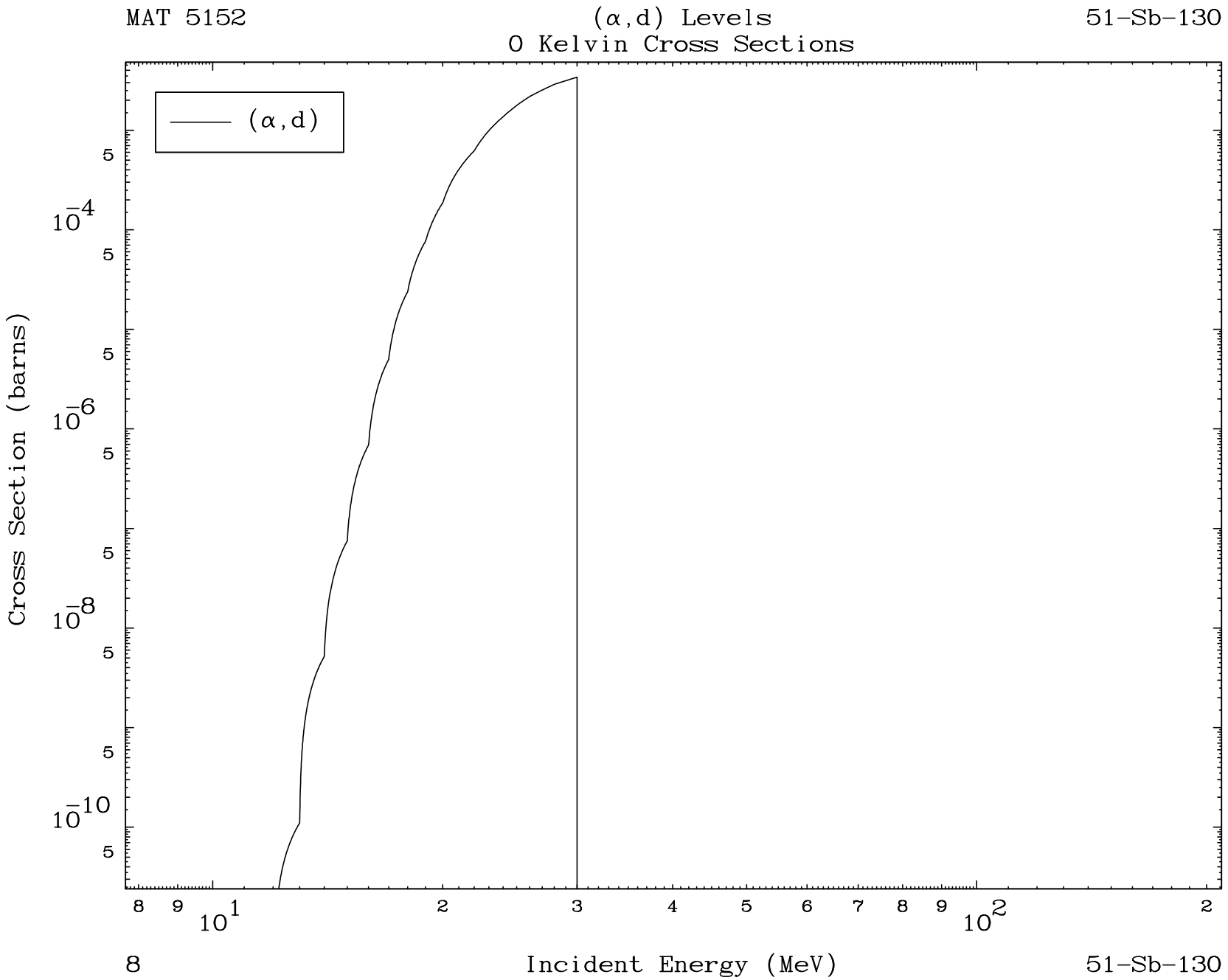

MAT 5152
α Neutron Production
0 Kelvin Cross Sections
51-Sb-130
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
51-Sb-130

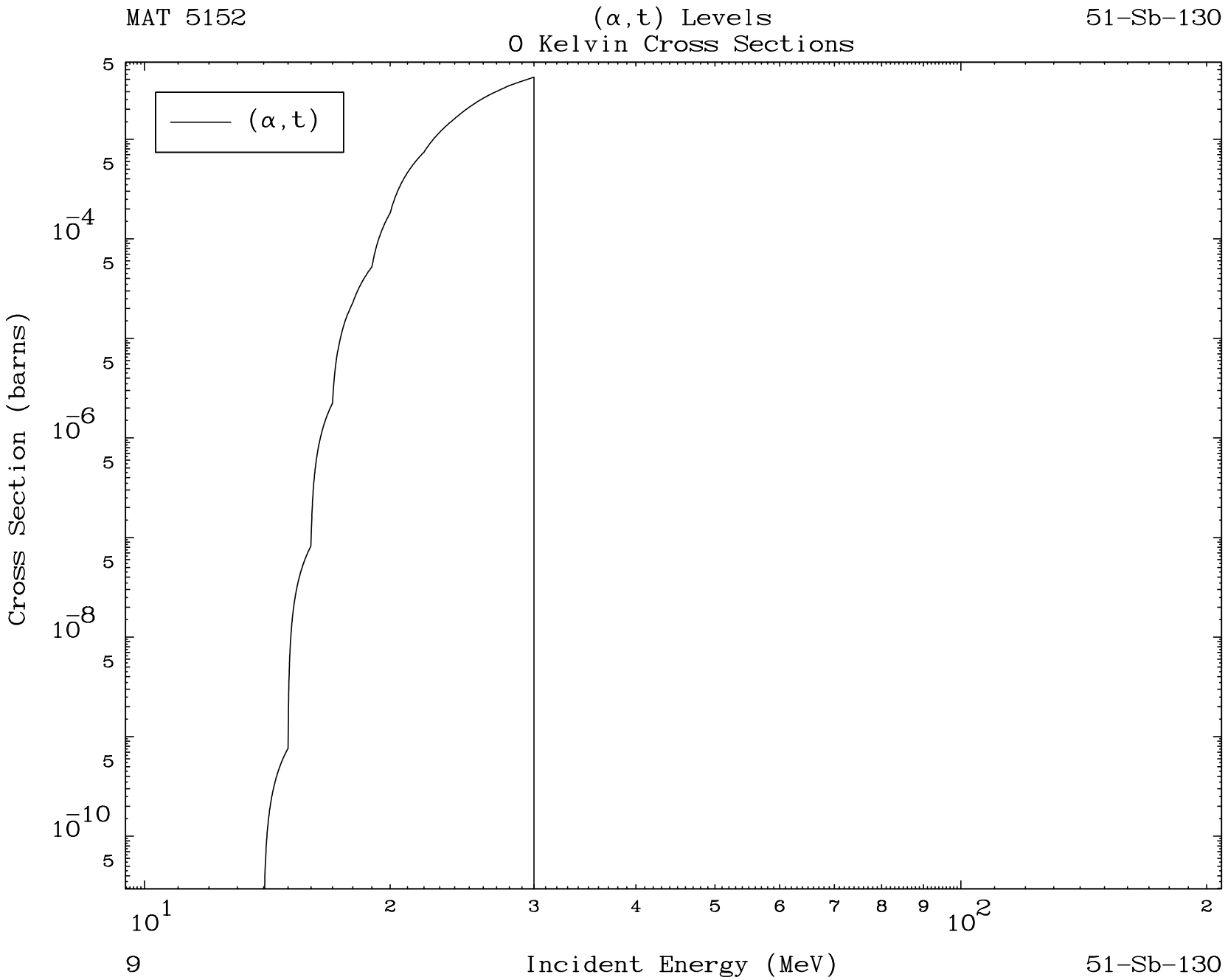

MAT 5152
α Charged Particle
0 Kelvin Cross Sections
51-Sb-130
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
51-Sb-130

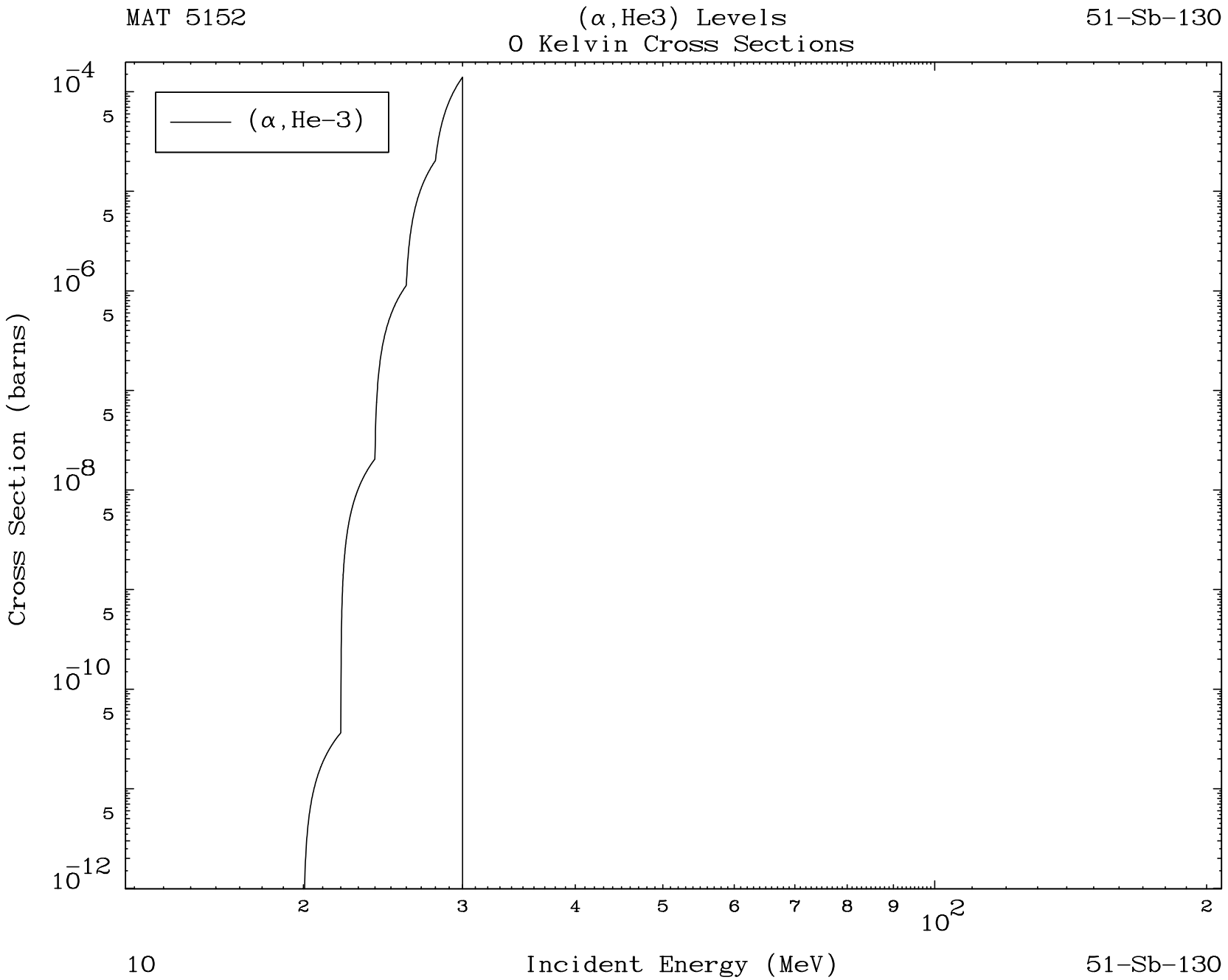

MAT 5152
α Charged Particle
0 Kelvin Cross Sections
51-Sb-130
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
5
51-Sb-130

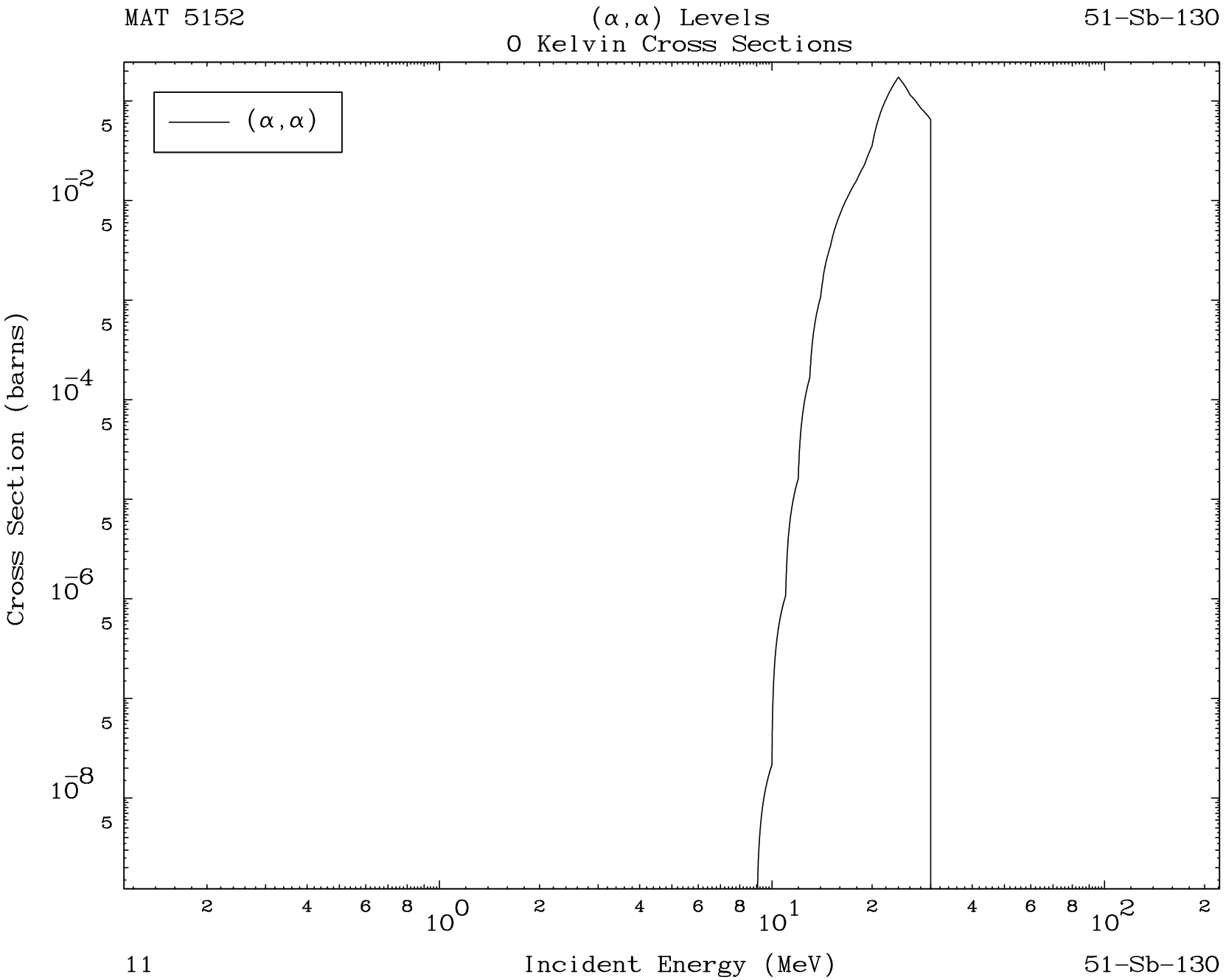

MAT 5152
(α,n') Level
51-Sb-130
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
10 2
Incident Energy (MeV)
6
51-Sb-130

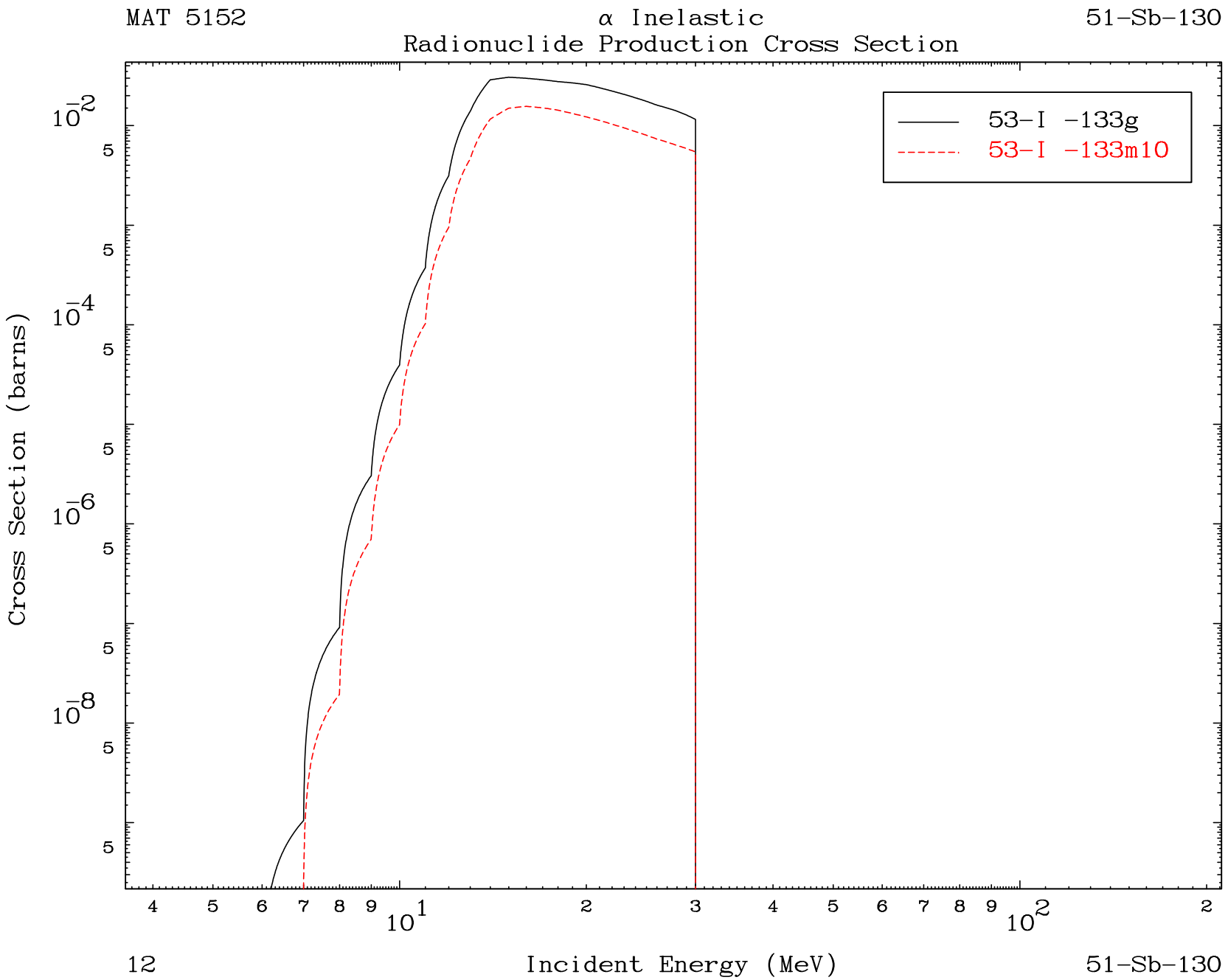

MAT 5152
(α,p) Levels
51-Sb-130
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
7
51-Sb-130

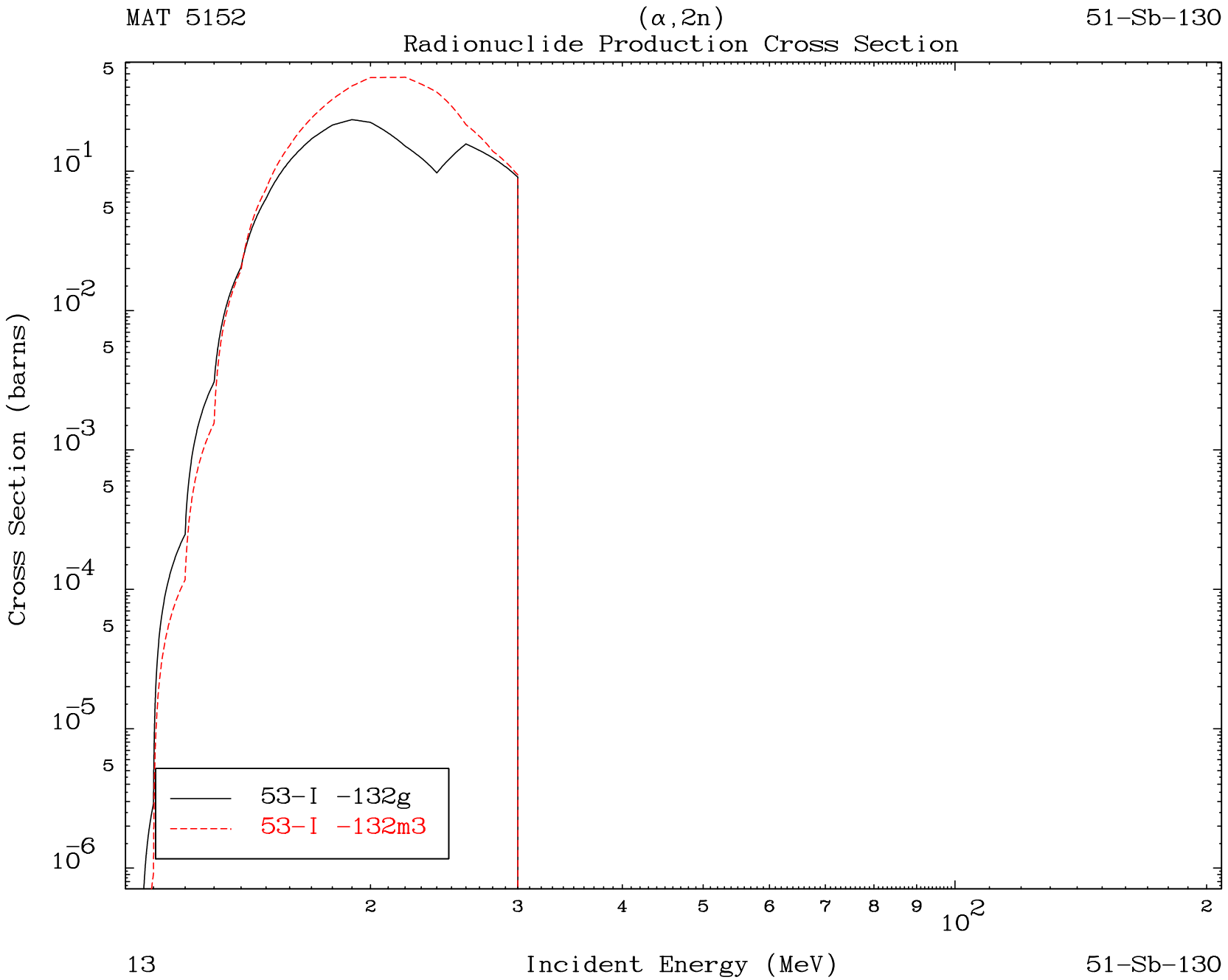

MAT 5152
(α,d) Levels
51-Sb-130
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
8
51-Sb-130

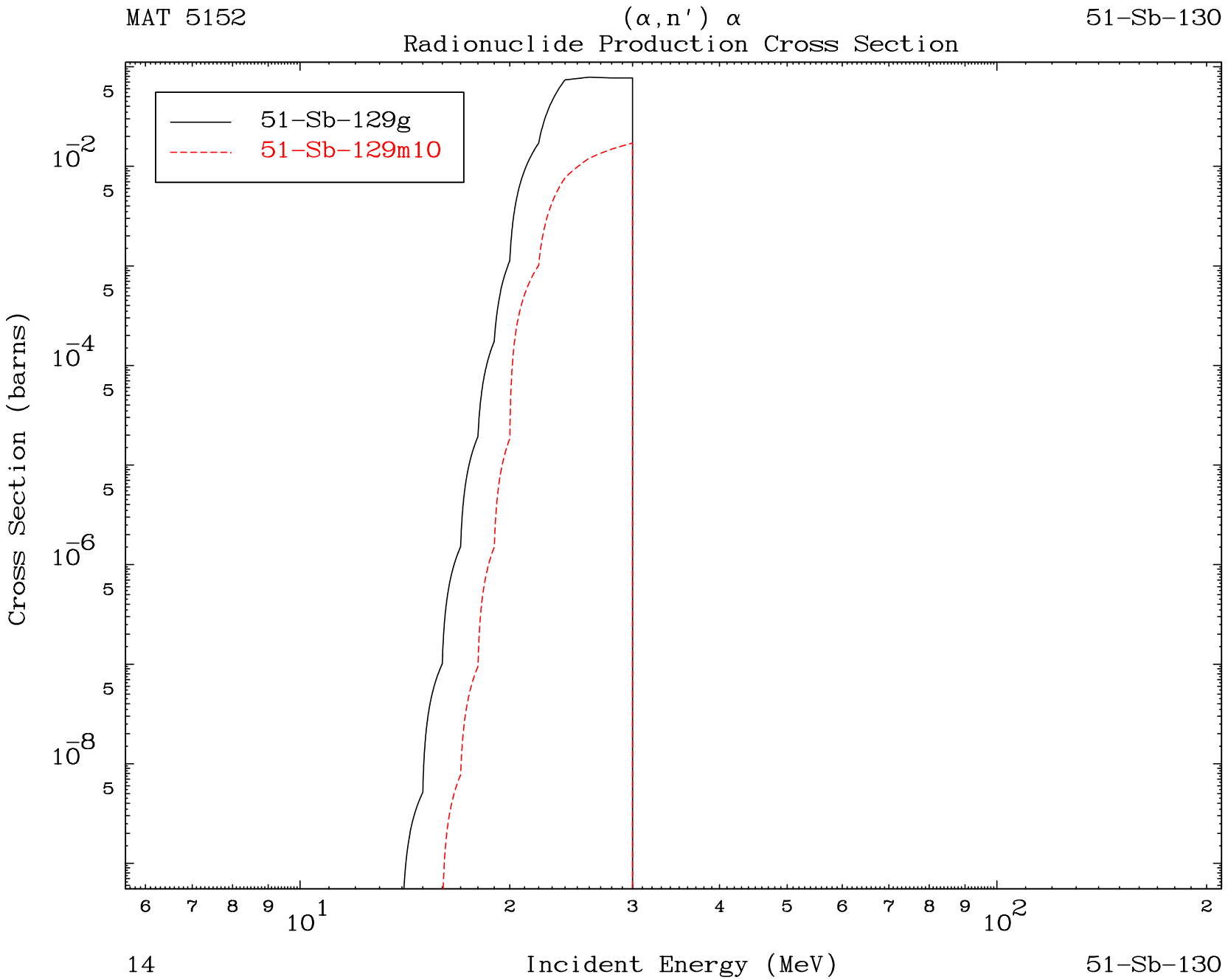

MAT 5152
(α,t) Levels
51-Sb-130
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
51-Sb-130

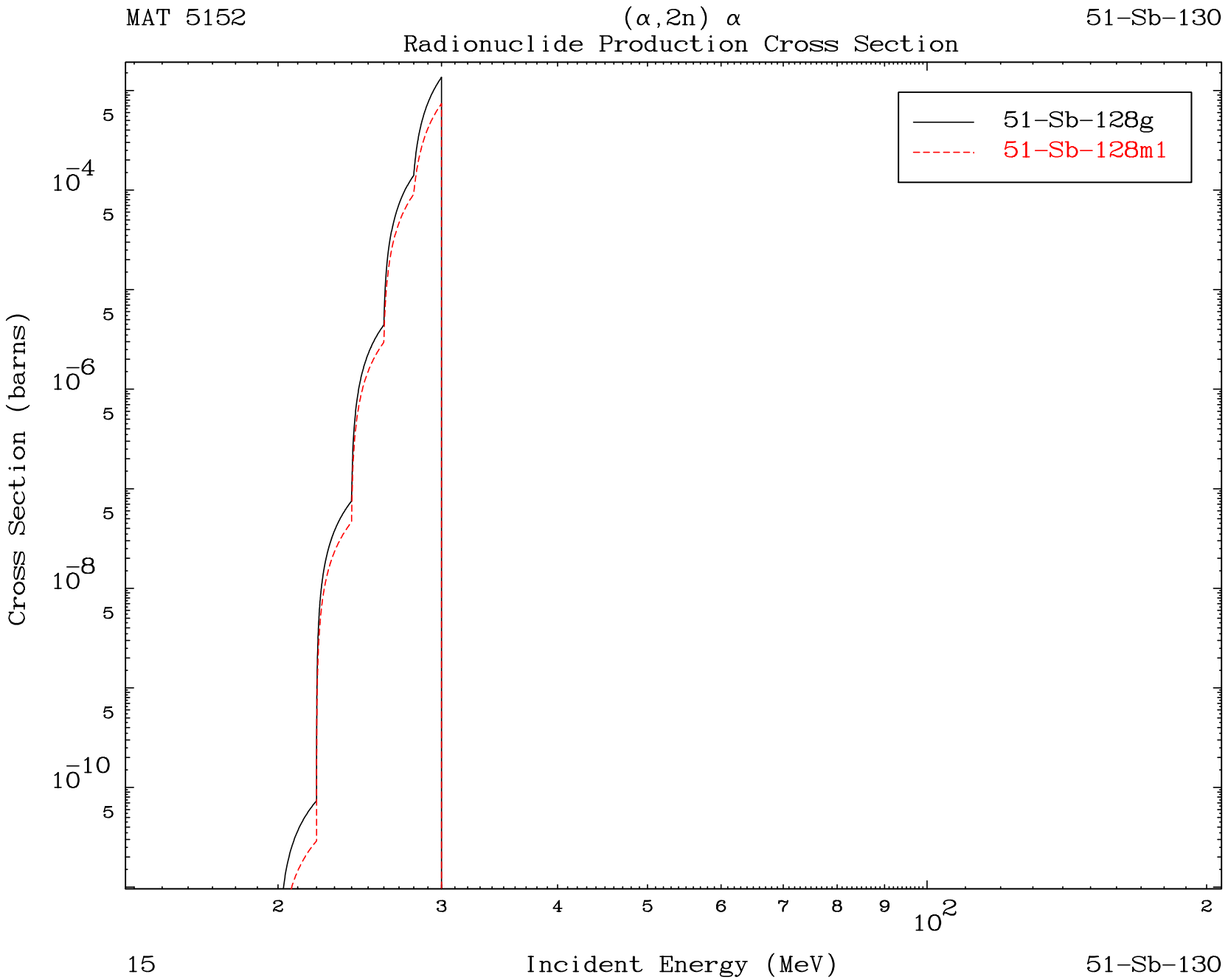

MAT 5152
(α,He3) Levels
51-Sb-130
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
51-Sb-130

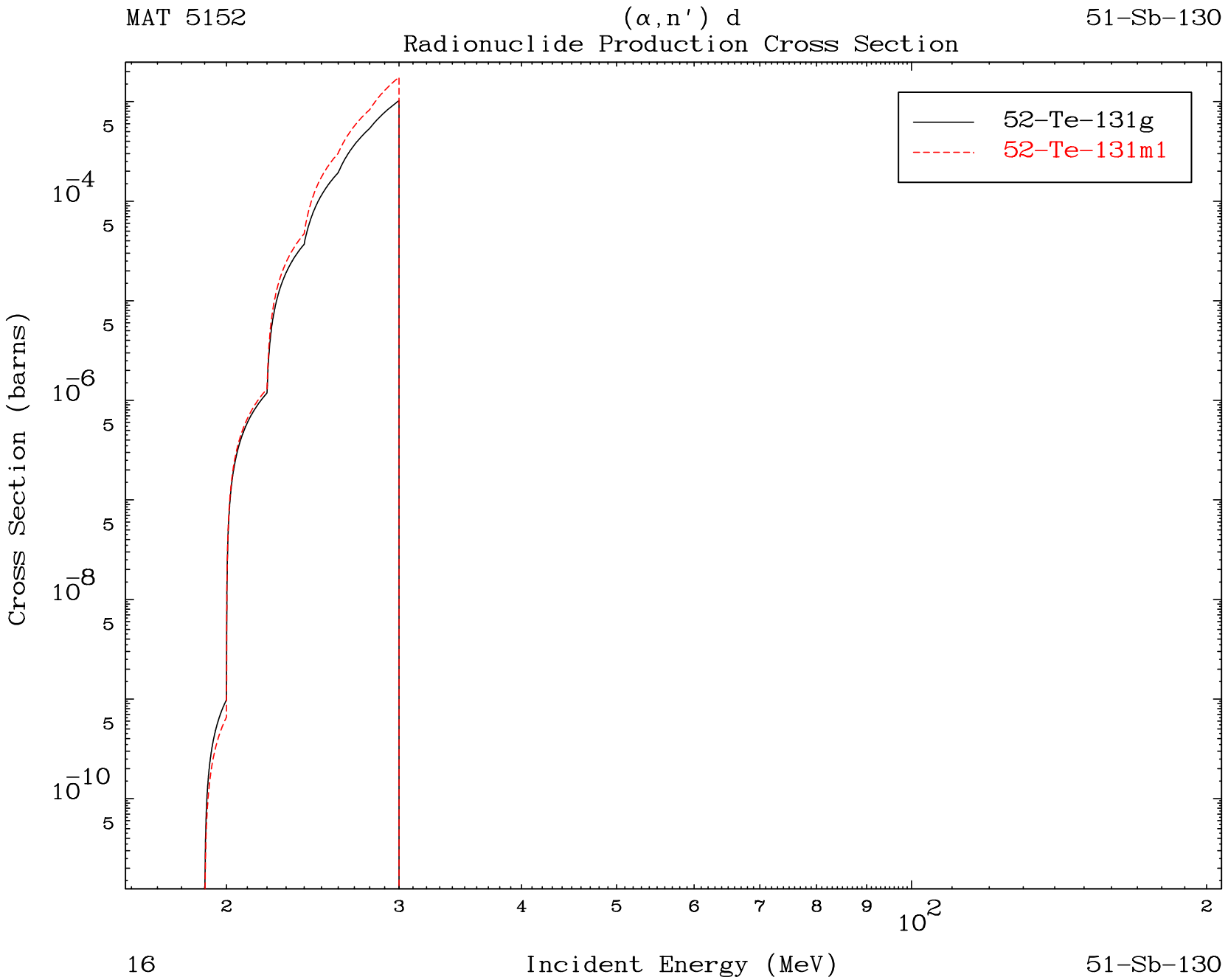

MAT 5152
(α,α) Levels
51-Sb-130
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
51-Sb-130

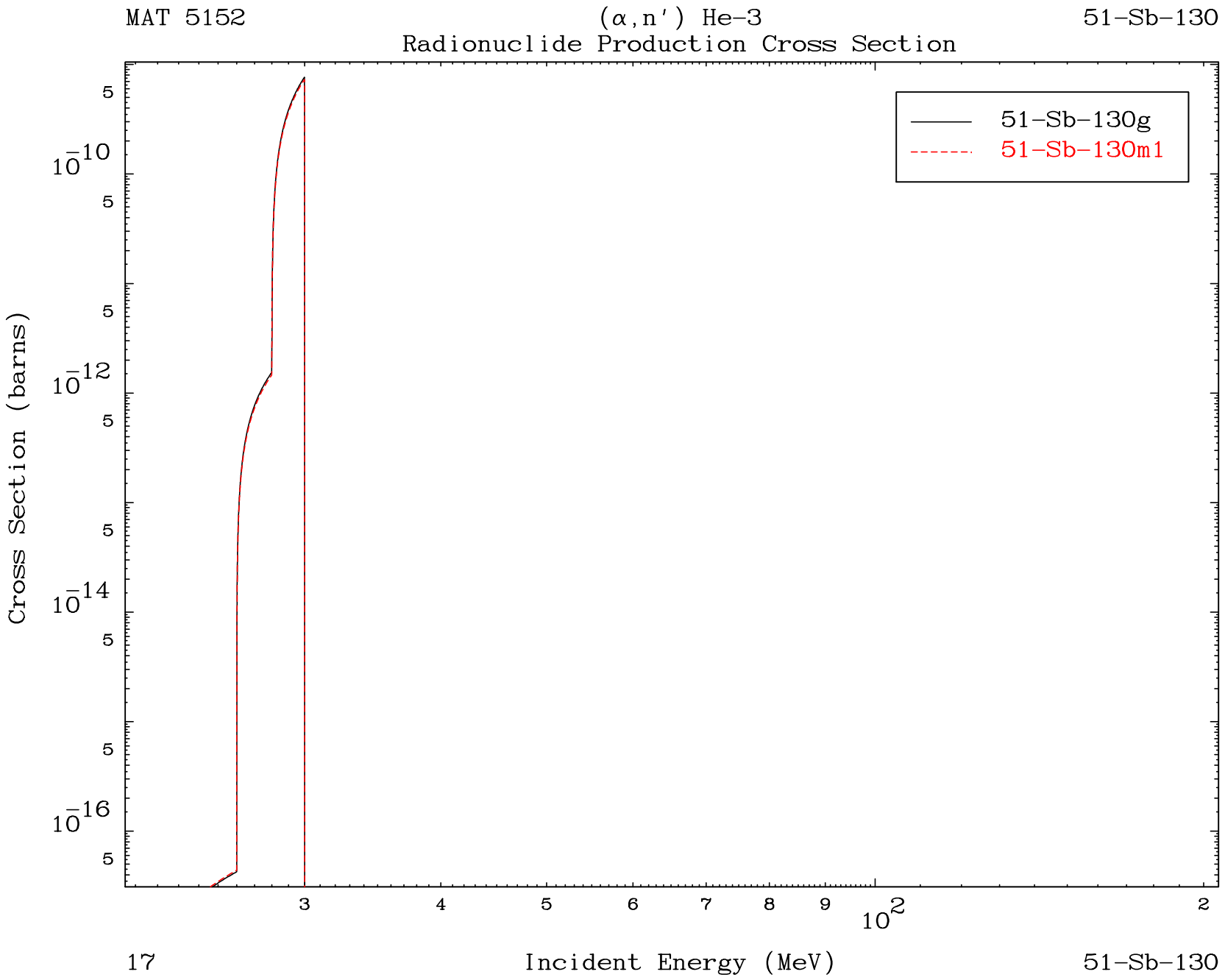

MAT 5152
α Inelastic
51-Sb-130
Radionuclide Production Cross Section
53-I -133g
53-I -133m10
Cross Section (barns)
Incident Energy (MeV)
12
51-Sb-130

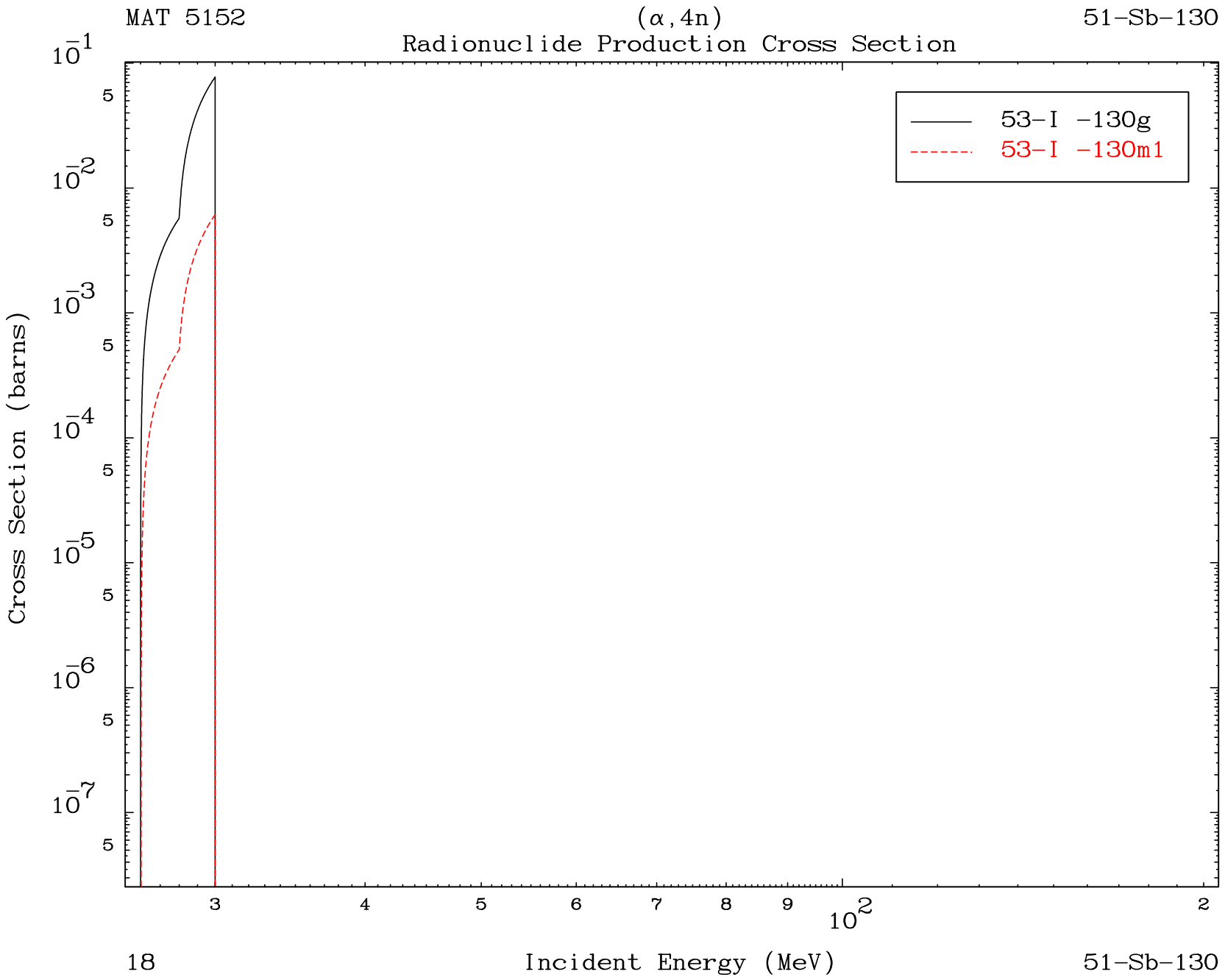

MAT 5152
(α,2n)
51-Sb-130
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
5
2
3
4
5
6
7
8
9
10 2
53-I -132g
53-I -132m3
13
Incident Energy (MeV)
51-Sb-130

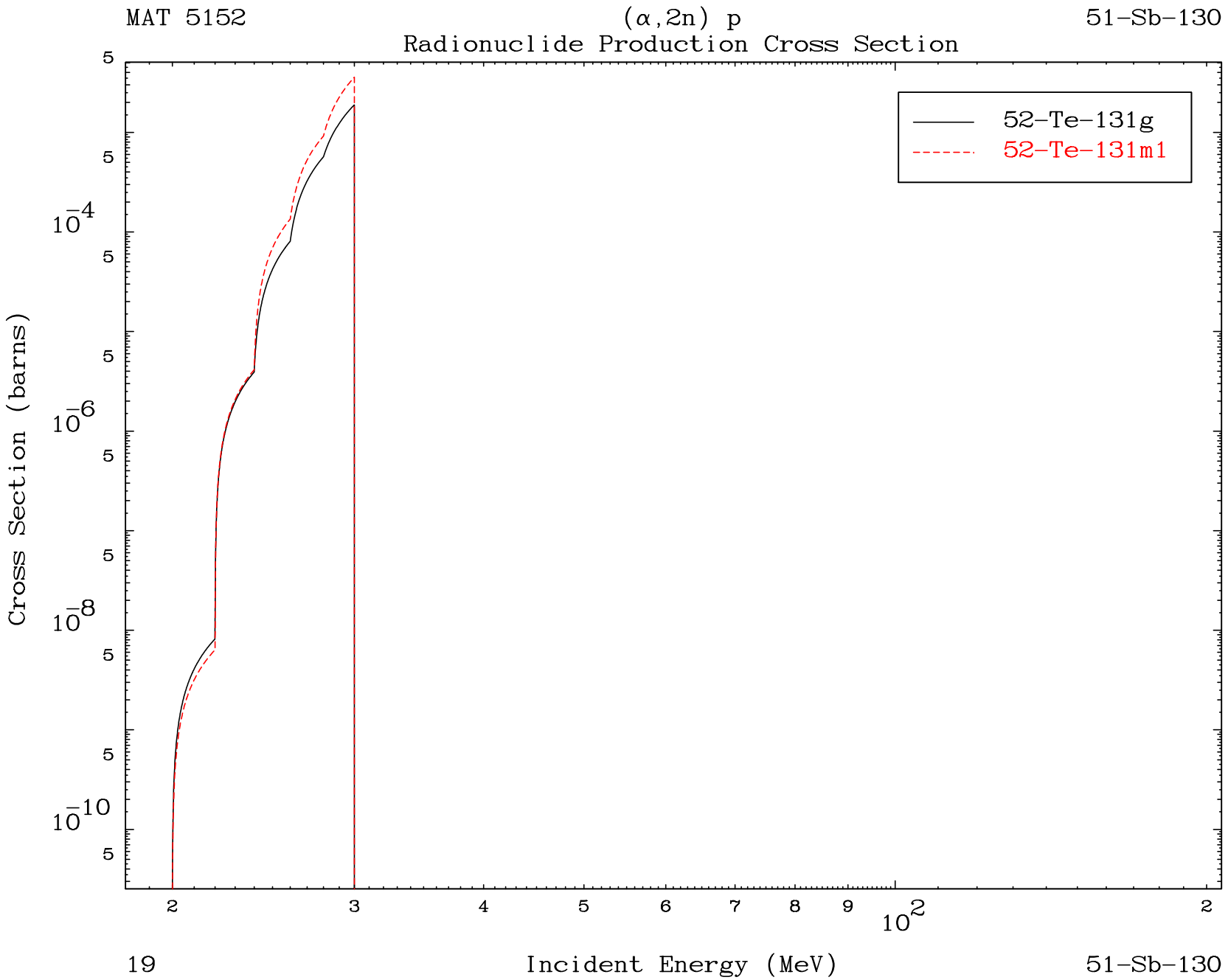

MAT 5152
(α,n') α
51-Sb-130
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m10
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
14
51-Sb-130

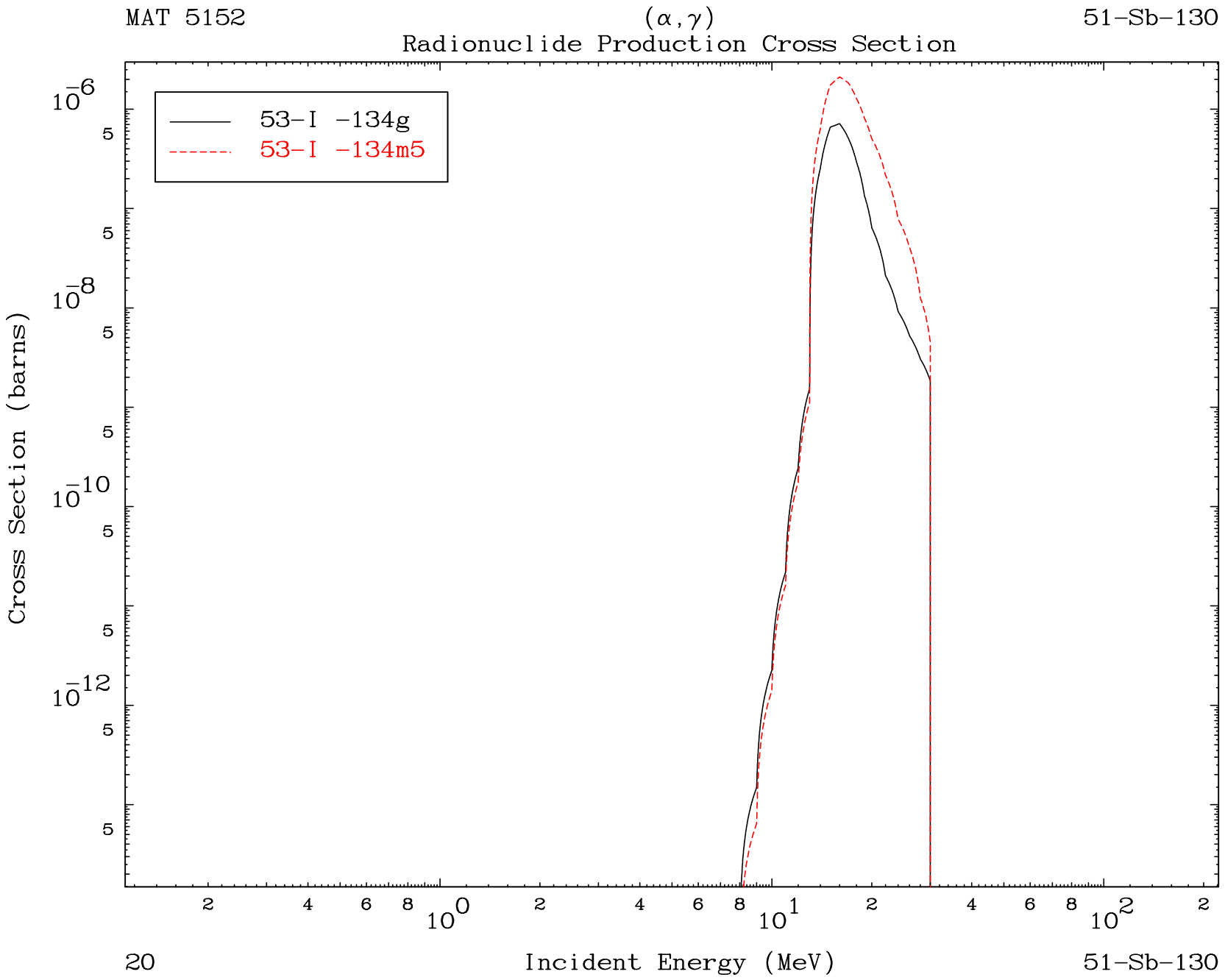

MAT 5152
(α,2n) α
51-Sb-130
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
51-Sb-130

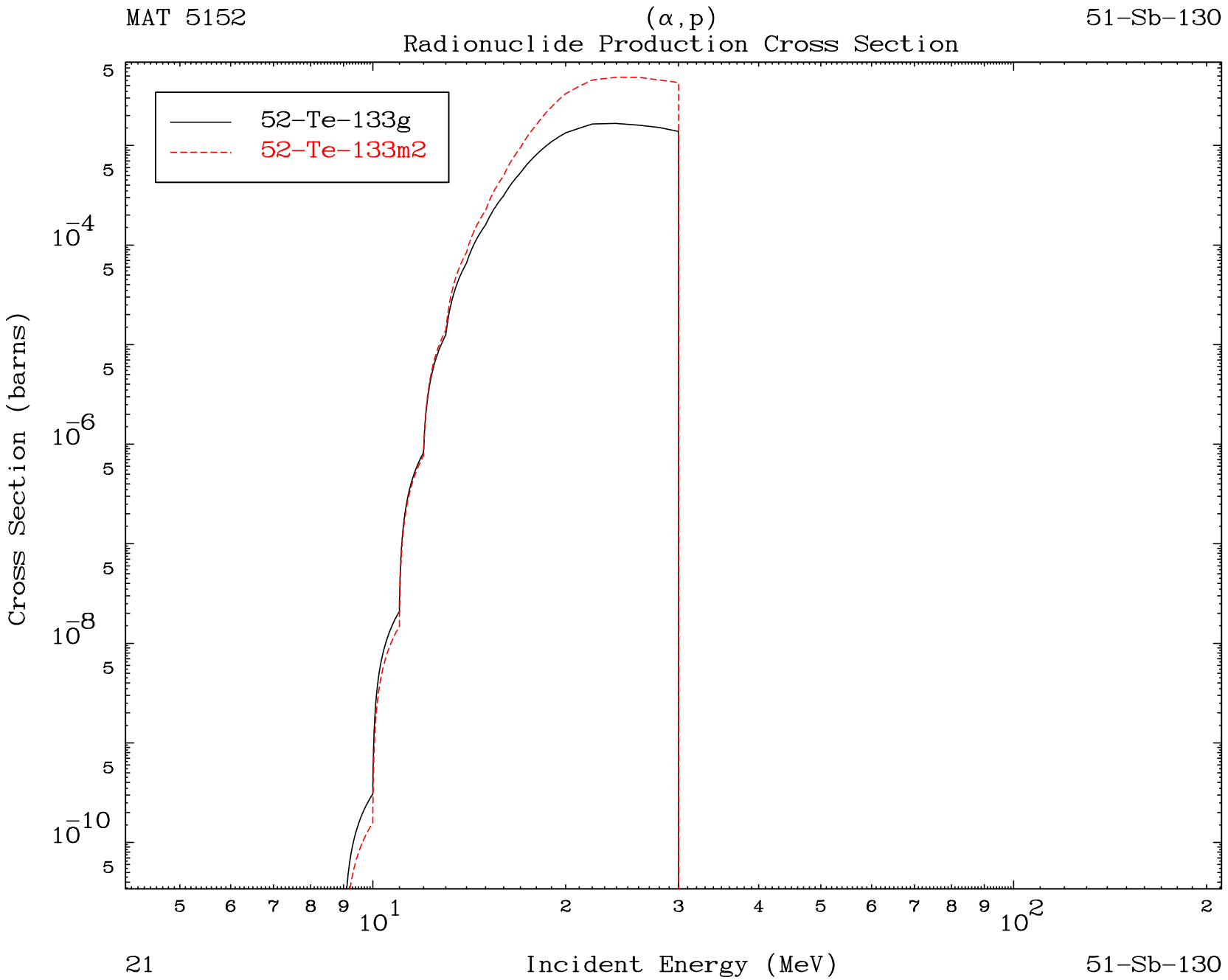

MAT 5152
(α,n') d
51-Sb-130
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
16
51-Sb-130

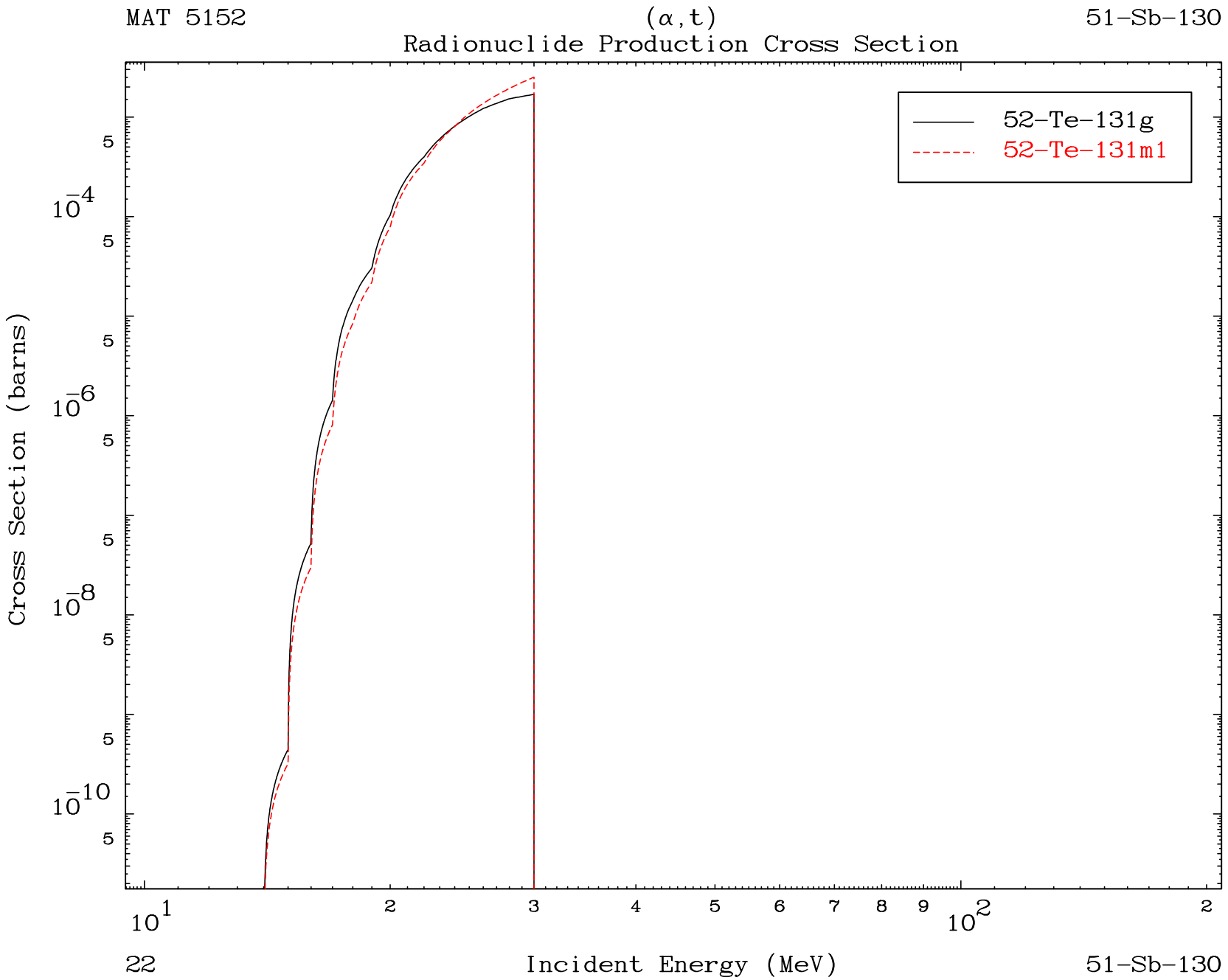

MAT 5152
(α,n') He-3
51-Sb-130
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
10-10
10-12
10-14
10-16
5
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
51-Sb-130

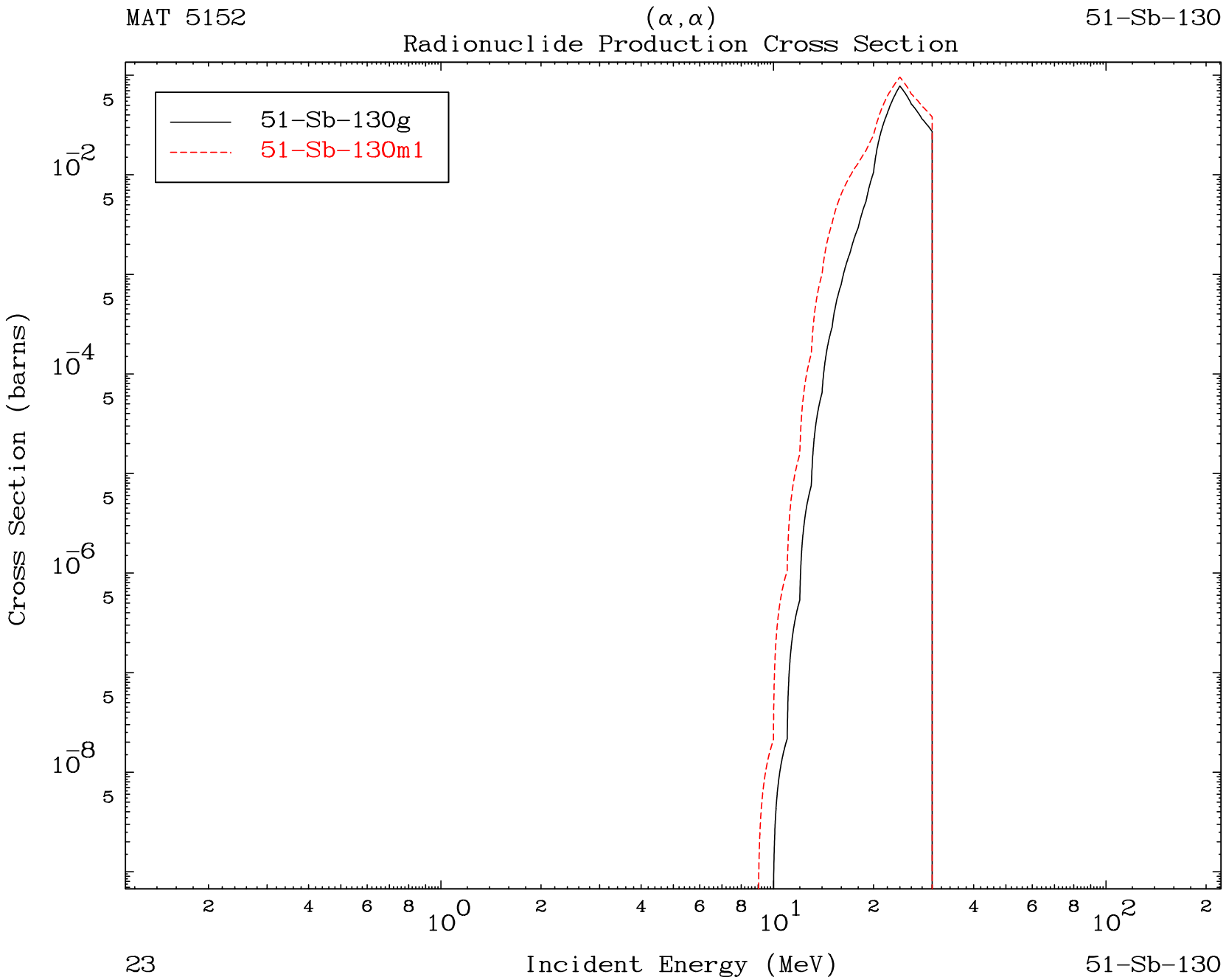

MAT 5152
(α,4n)
51-Sb-130
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
Incident Energy (MeV)
18
51-Sb-130

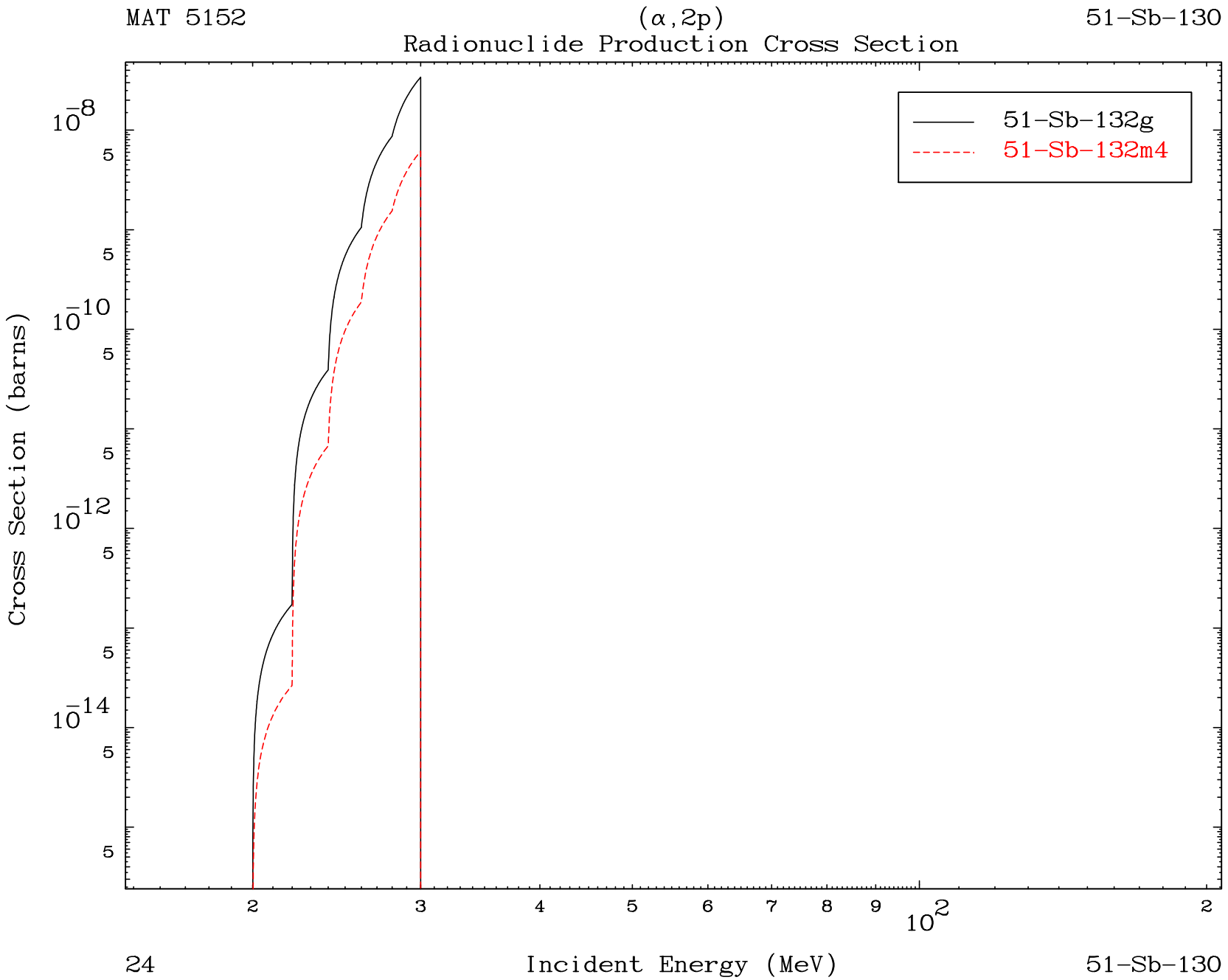

MAT 5152
(α,2n) p
51-Sb-130
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
Incident Energy (MeV)
19
51-Sb-130

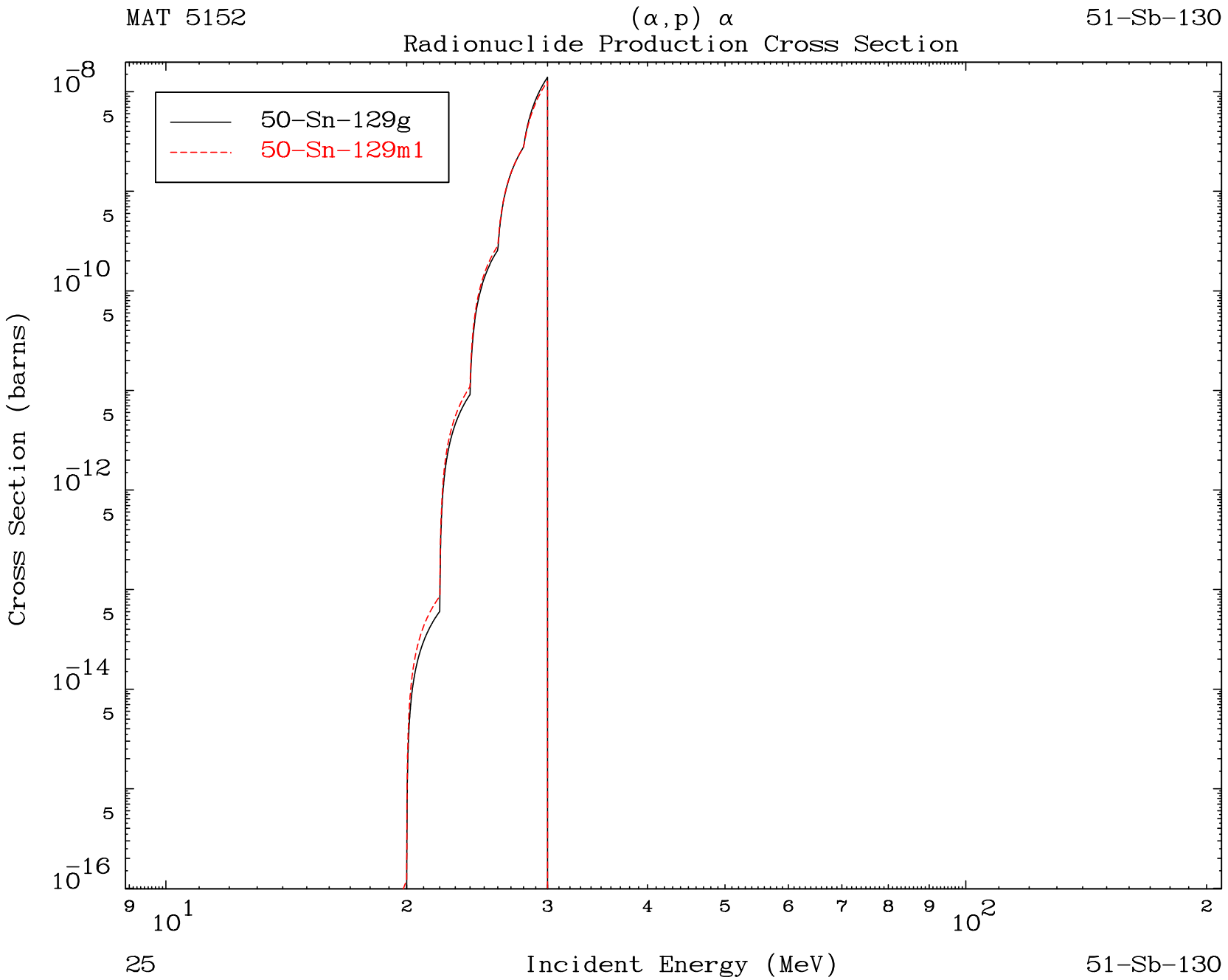

MAT 5152
(α,γ)
51-Sb-130
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
20
51-Sb-130


MAT 5152
(α,p)
51-Sb-130
Radionuclide Production Cross Section
52-Te-133g
52-Te-133m2
Cross Section (barns)
Incident Energy (MeV)
21
51-Sb-130


MAT 5152
(α,t)
51-Sb-130
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
22
Incident Energy (MeV)
51-Sb-130


MAT 5152
(α,α)
51-Sb-130
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
23
51-Sb-130


MAT 5152
(α,2p)
51-Sb-130
Radionuclide Production Cross Section
51-Sb-132g
51-Sb-132m4
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
24
Incident Energy (MeV)
51-Sb-130


MAT 5152
(α,p) α
51-Sb-130
Radionuclide Production Cross Section
50-Sn-129g
50-Sn-129m1
Cross Section (barns)
Incident Energy (MeV)
25
51-Sb-130