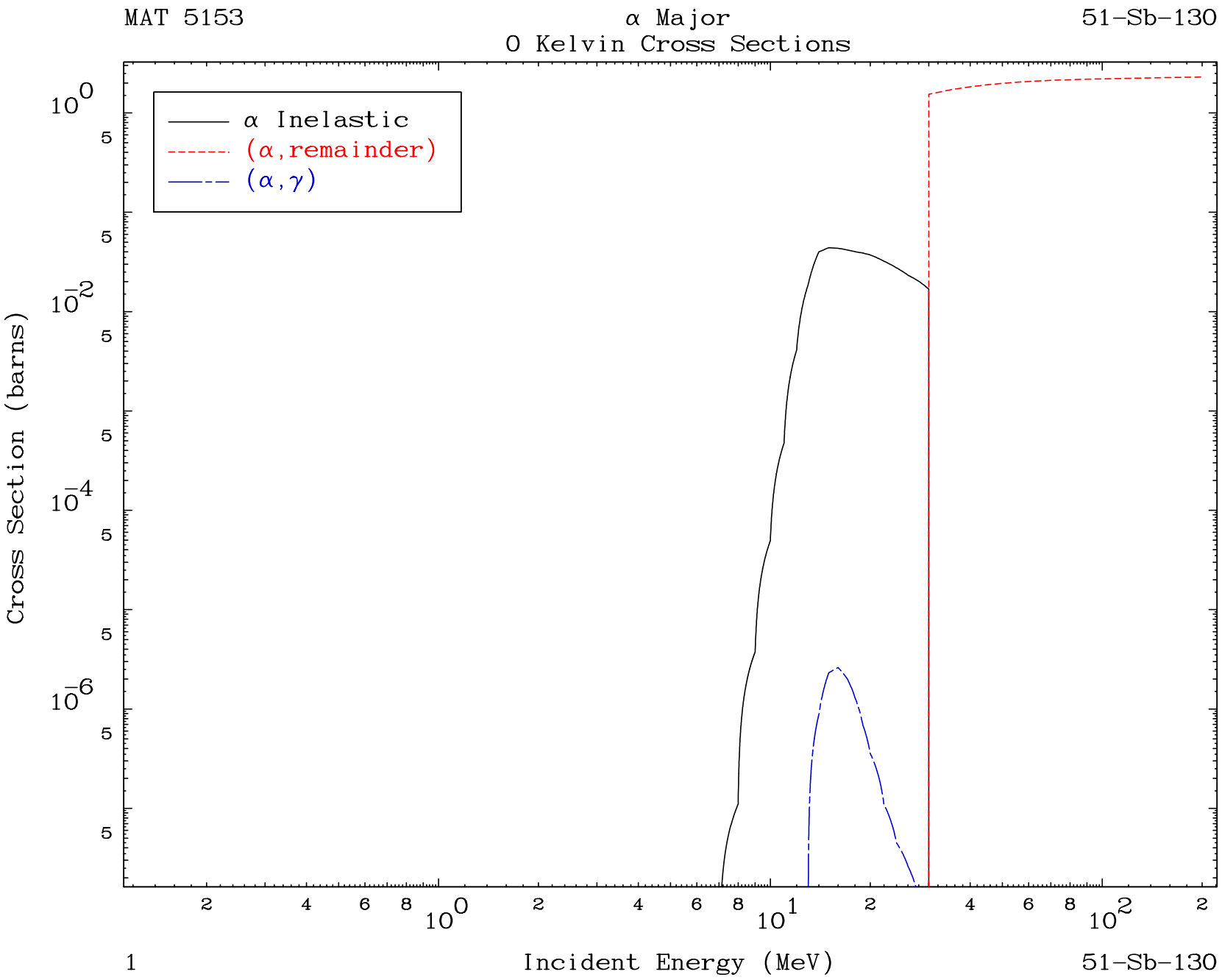
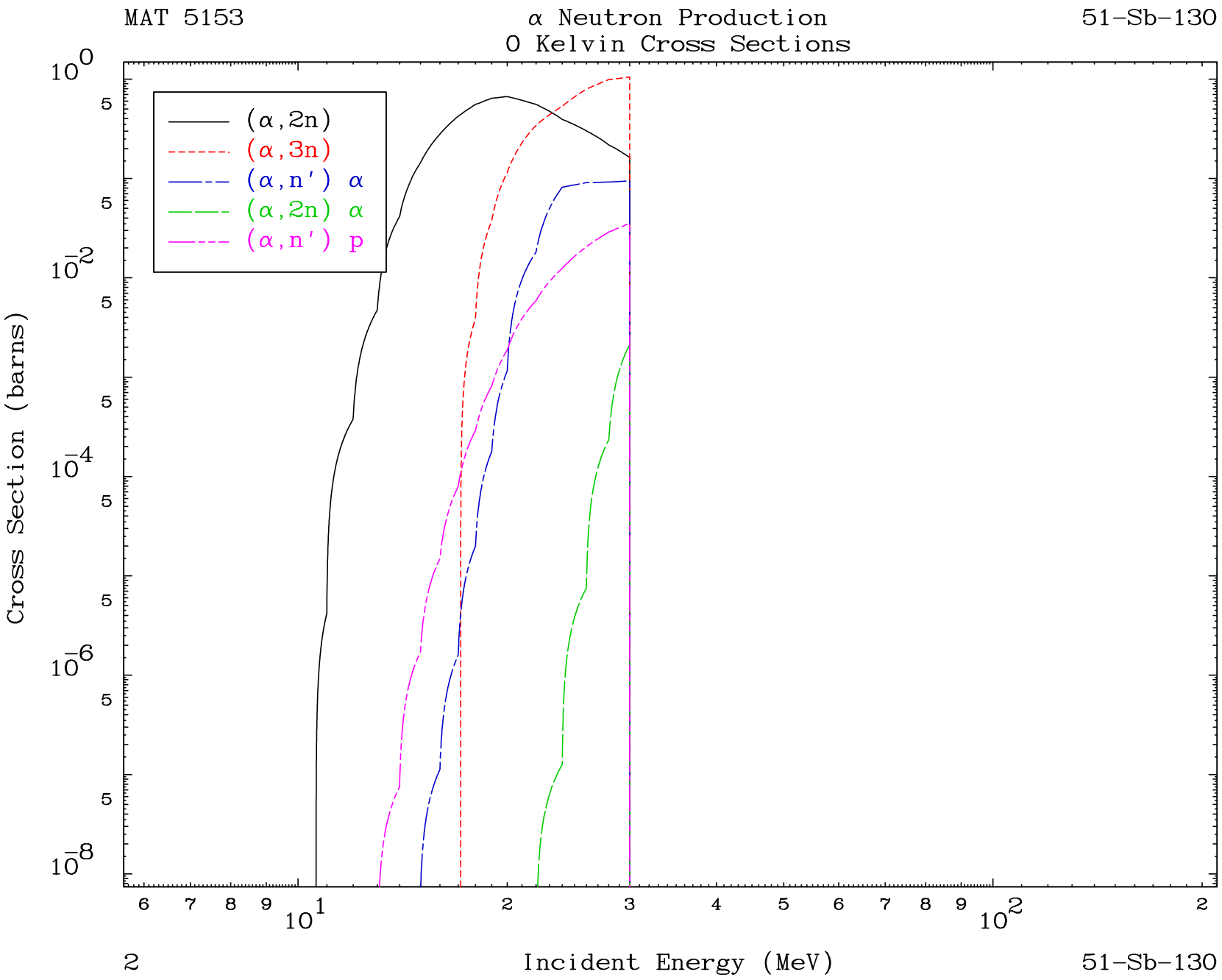
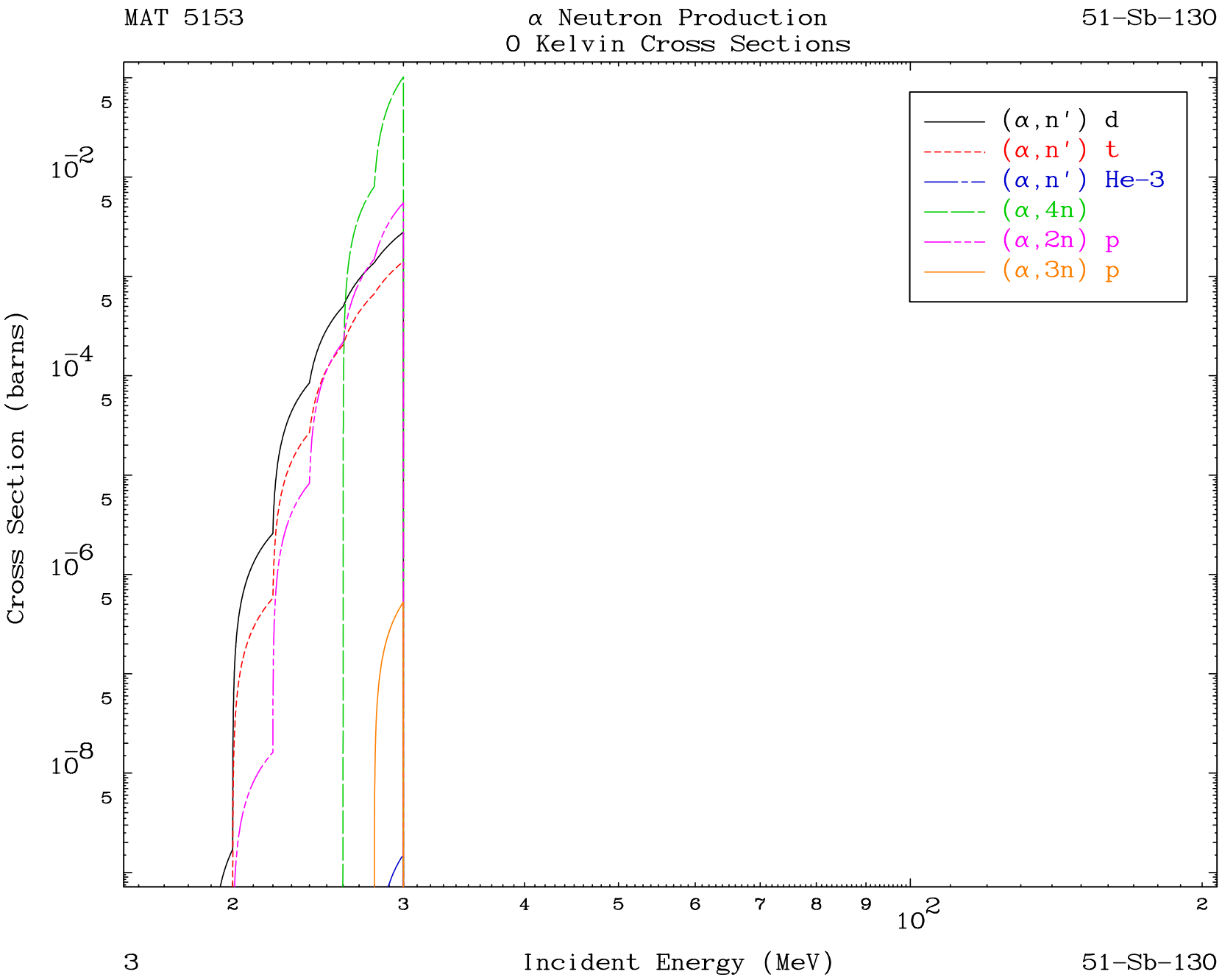
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

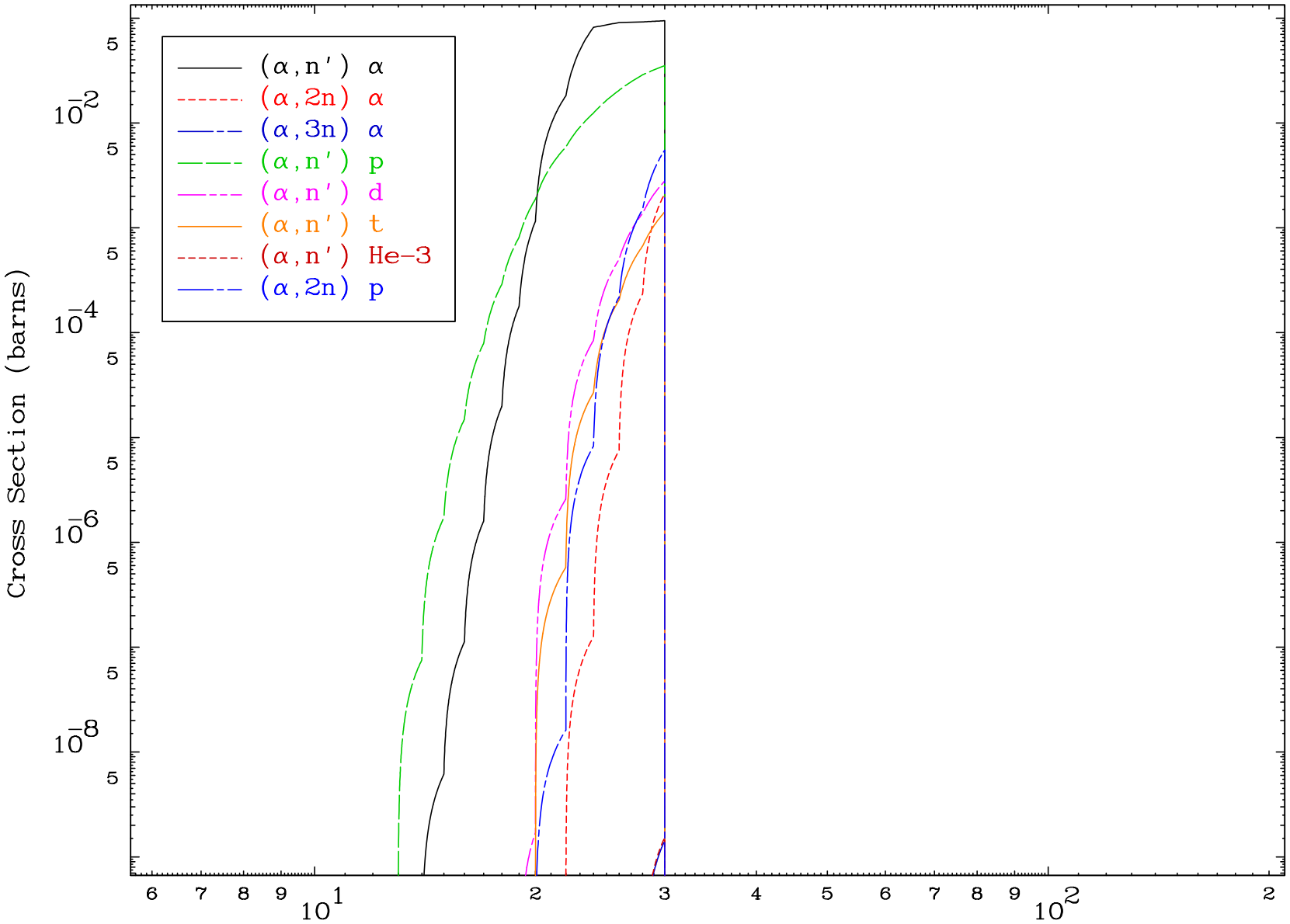
Press Mouse Button to Start

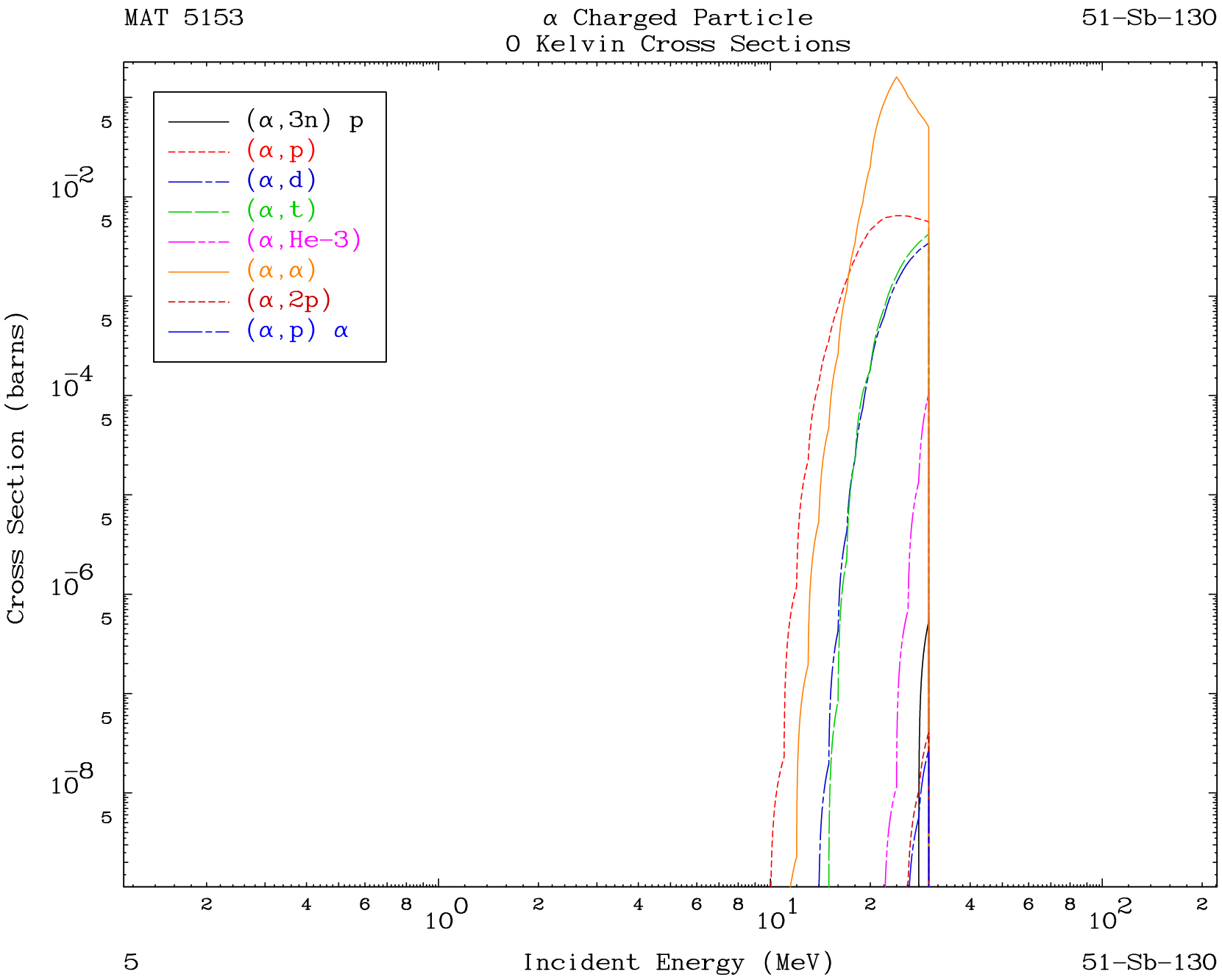

MAT 5153
α Major
51-Sb-130
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
51-Sb-130


MAT 5153
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

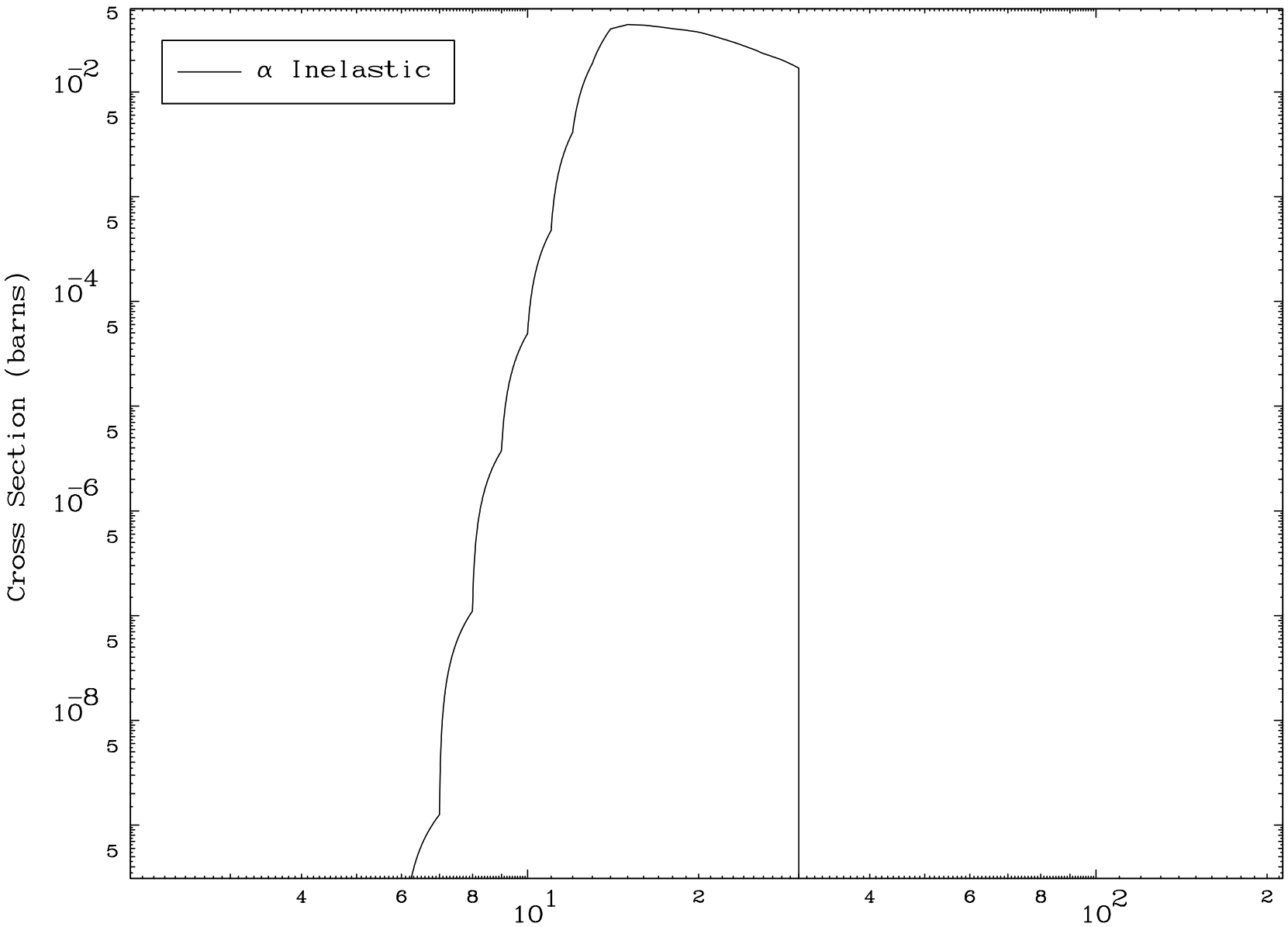

MAT 5153
α Neutron Production
0 Kelvin Cross Sections
51-Sb-130
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
51-Sb-130

0 Kelvin Cross Sections

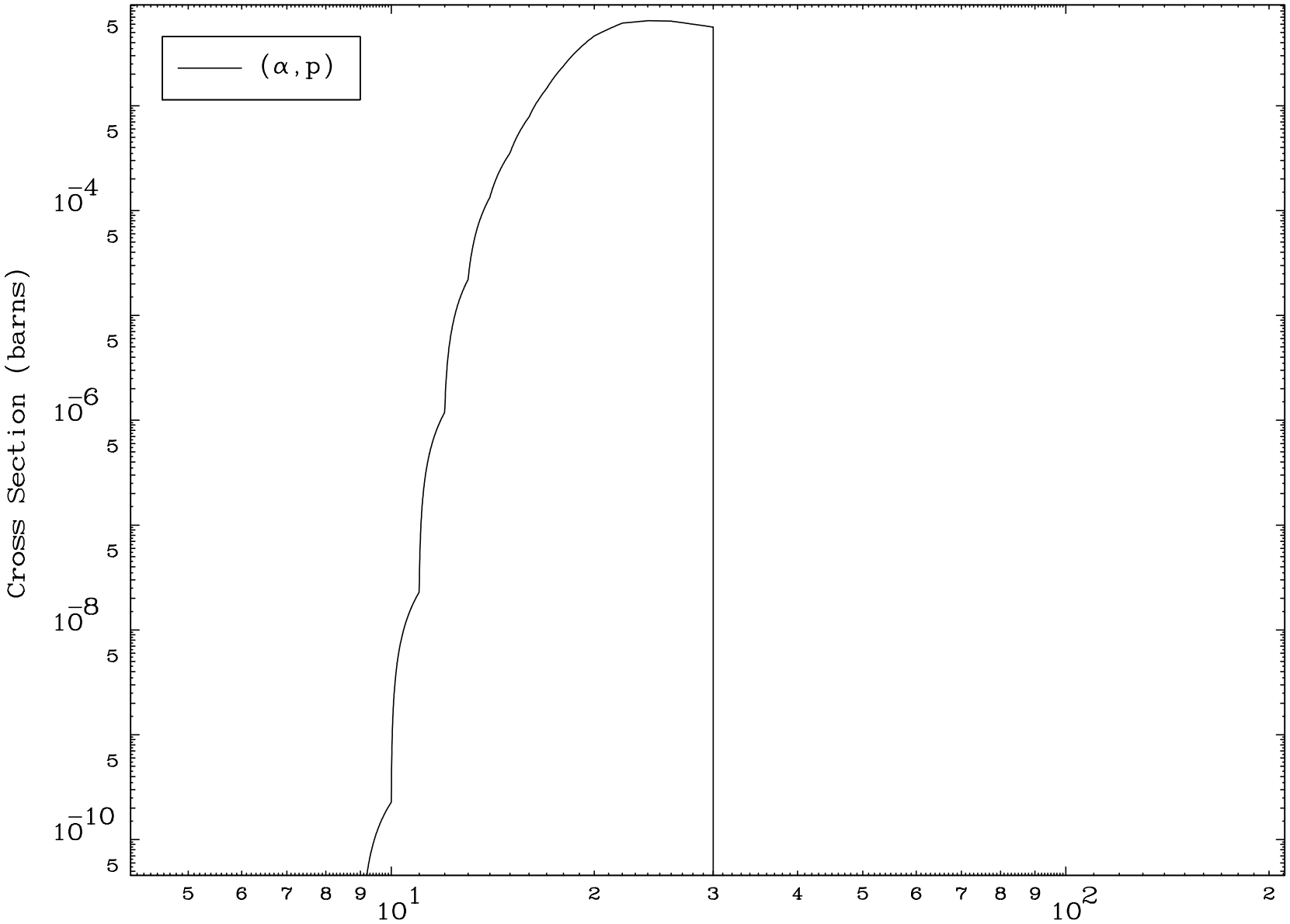



MAT 5153
α Charged Particle
0 Kelvin Cross Sections
51-Sb-130
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
5
51-Sb-130

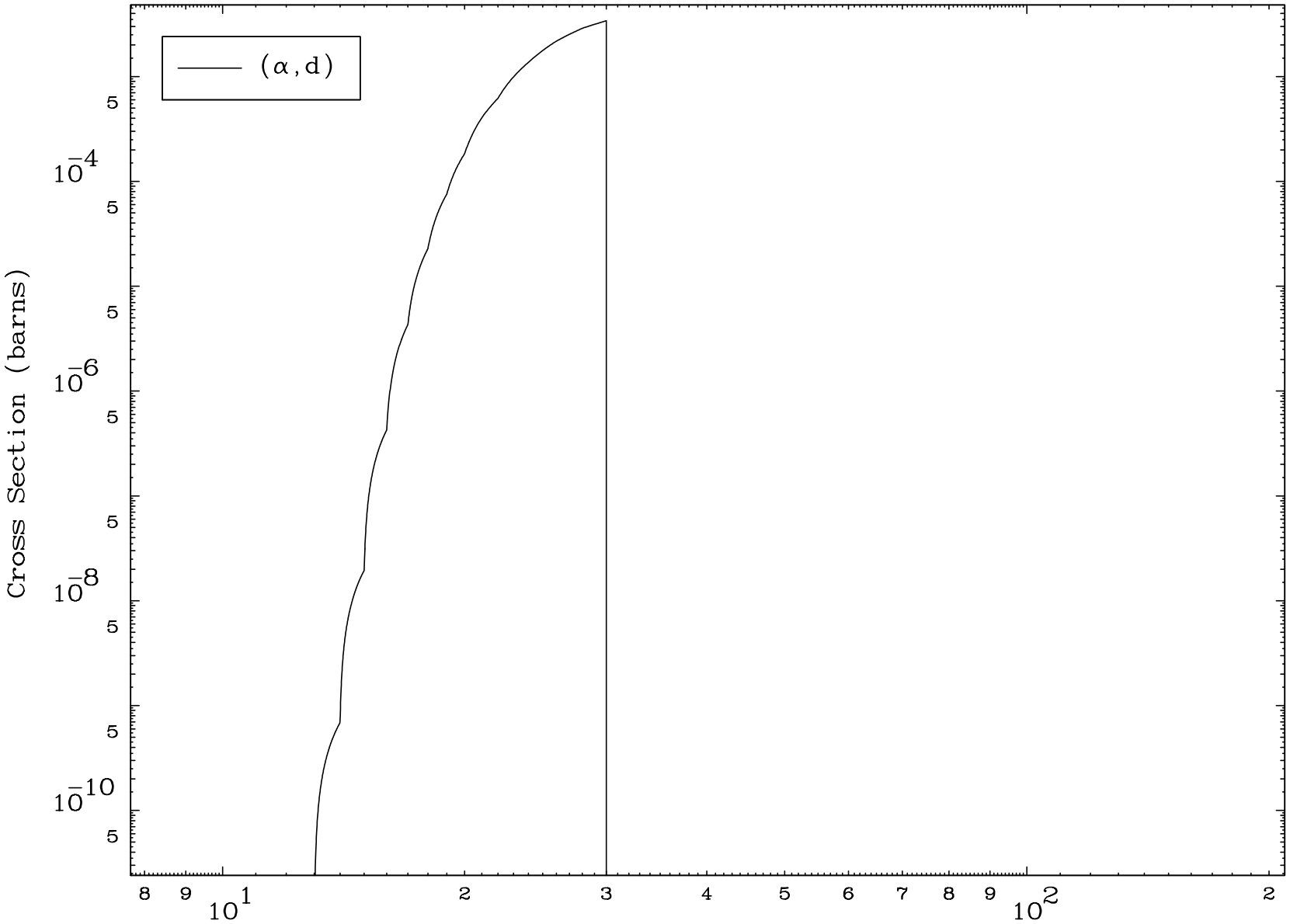
0 Kelvin Cross Sections



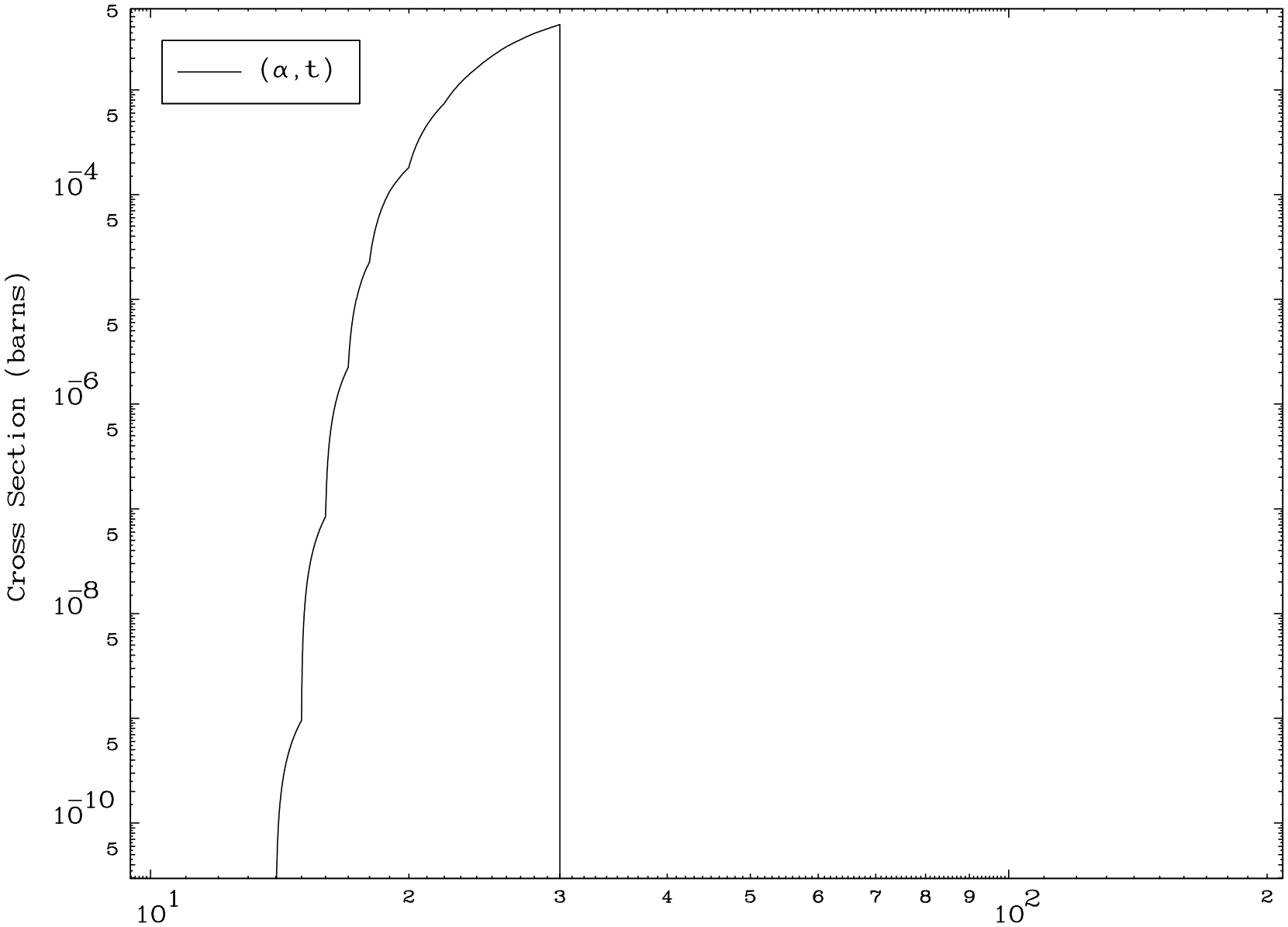
0 Kelvin Cross Sections

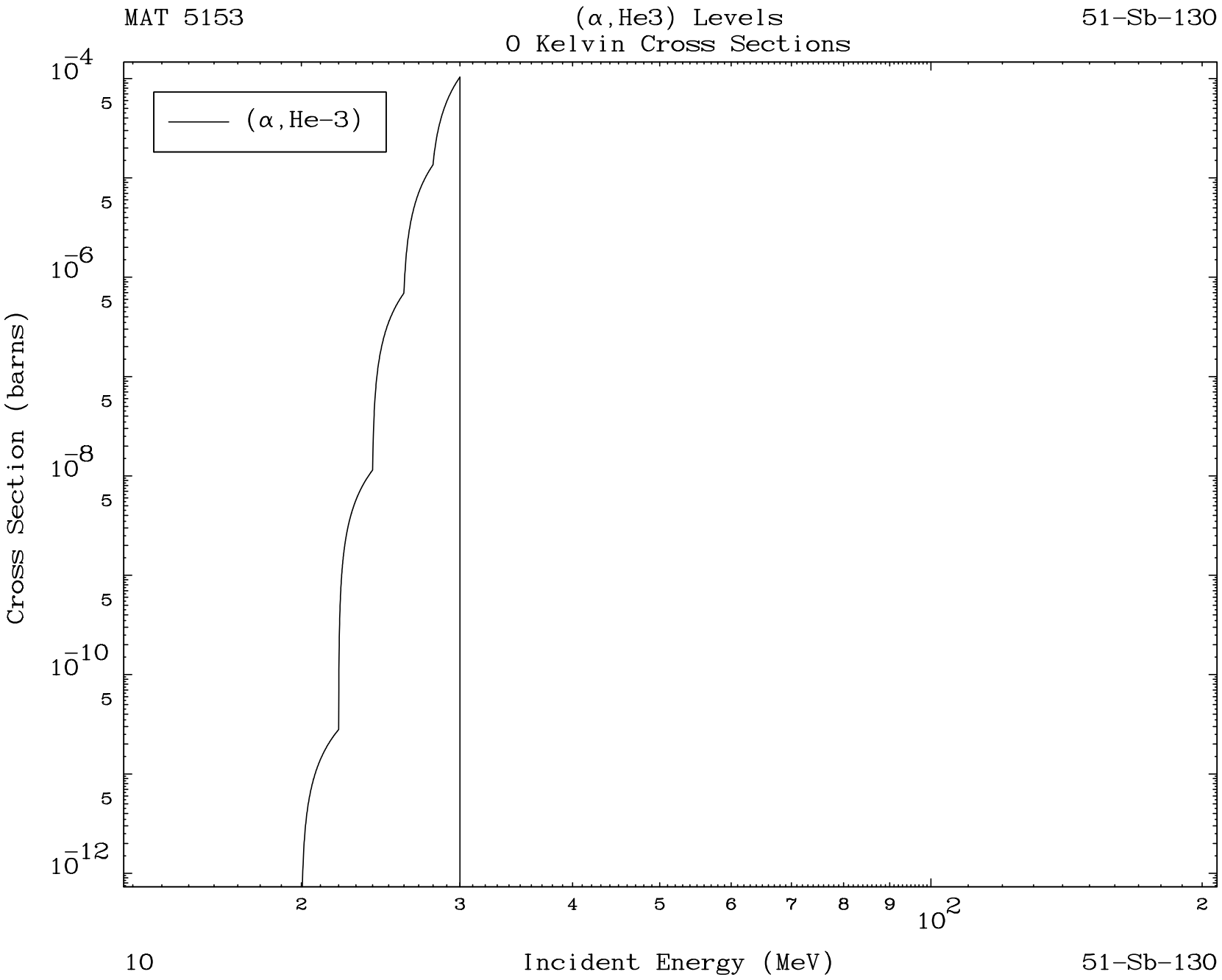


0 Kelvin Cross Sections

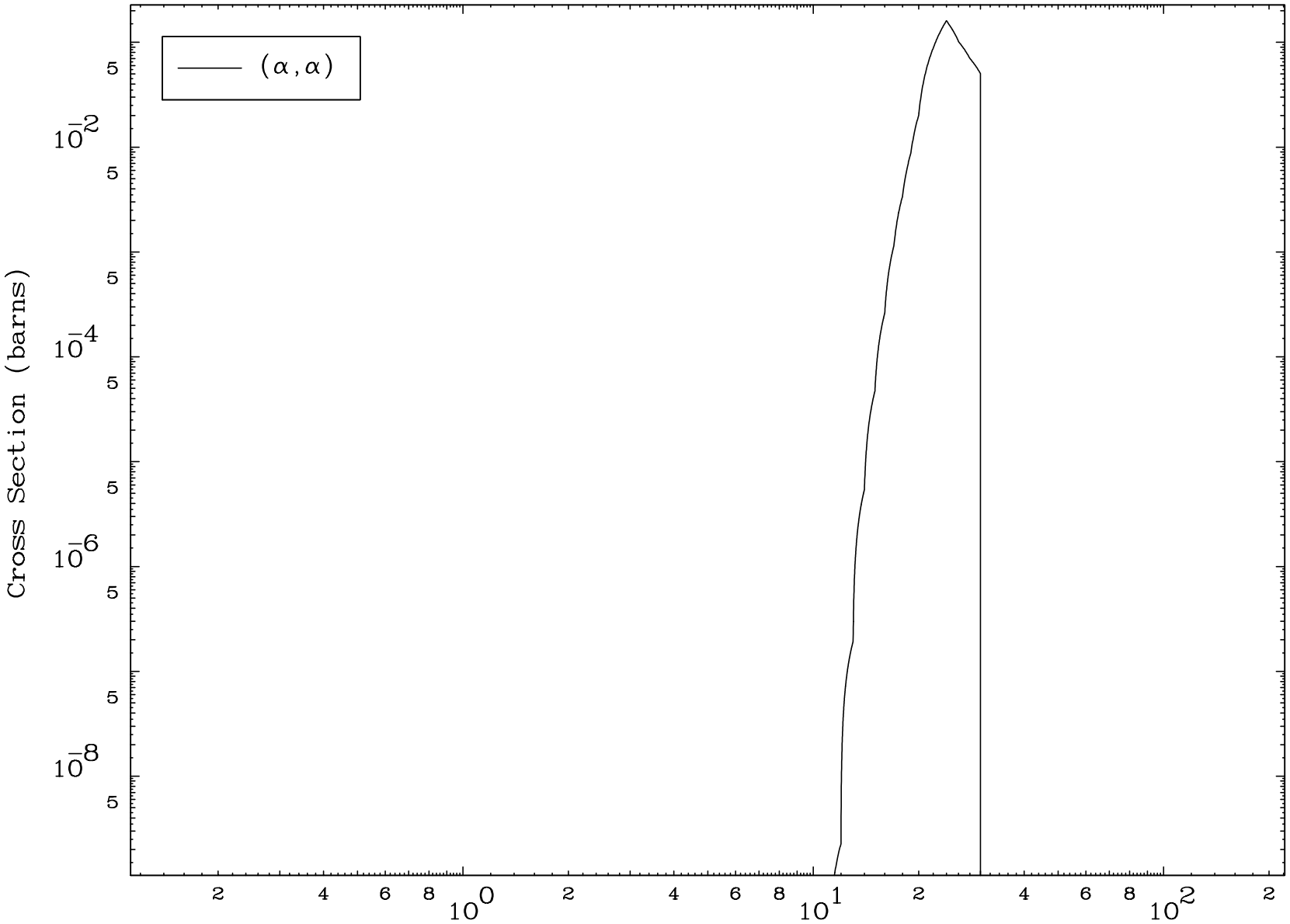


0 Kelvin Cross Sections

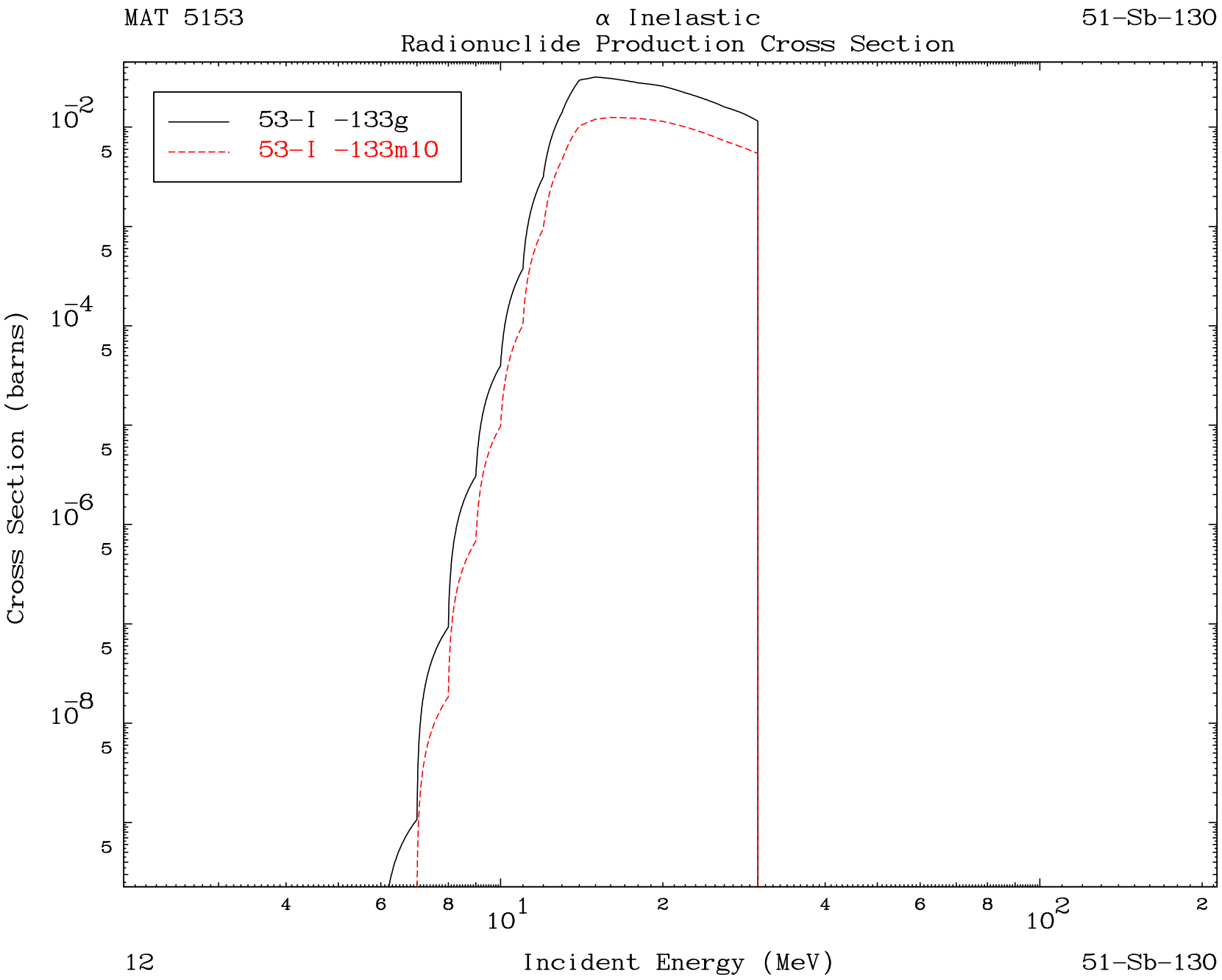


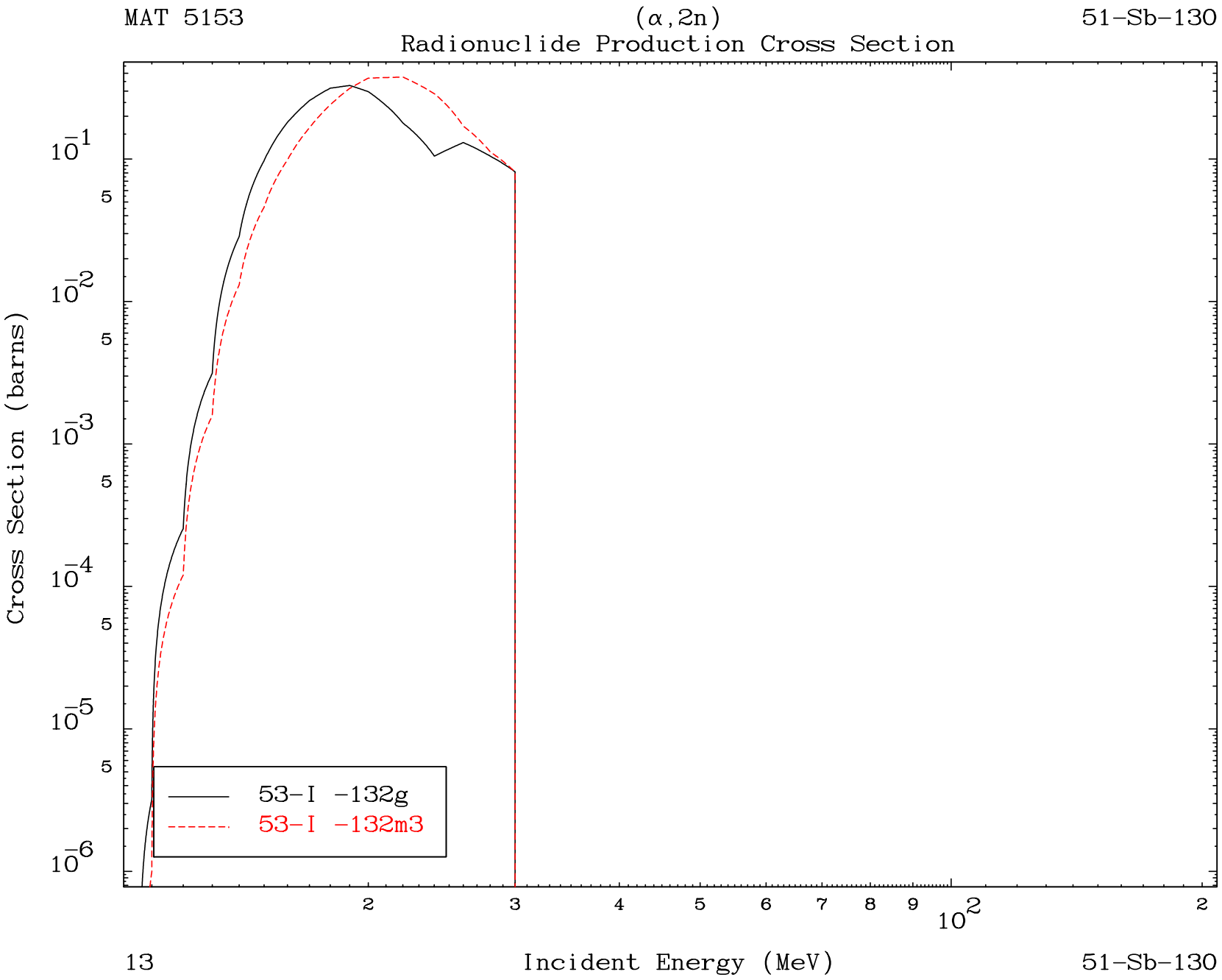

MAT 5153
(α,He3) Levels
0 Kelvin Cross Sections
51-Sb-130
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
51-Sb-130

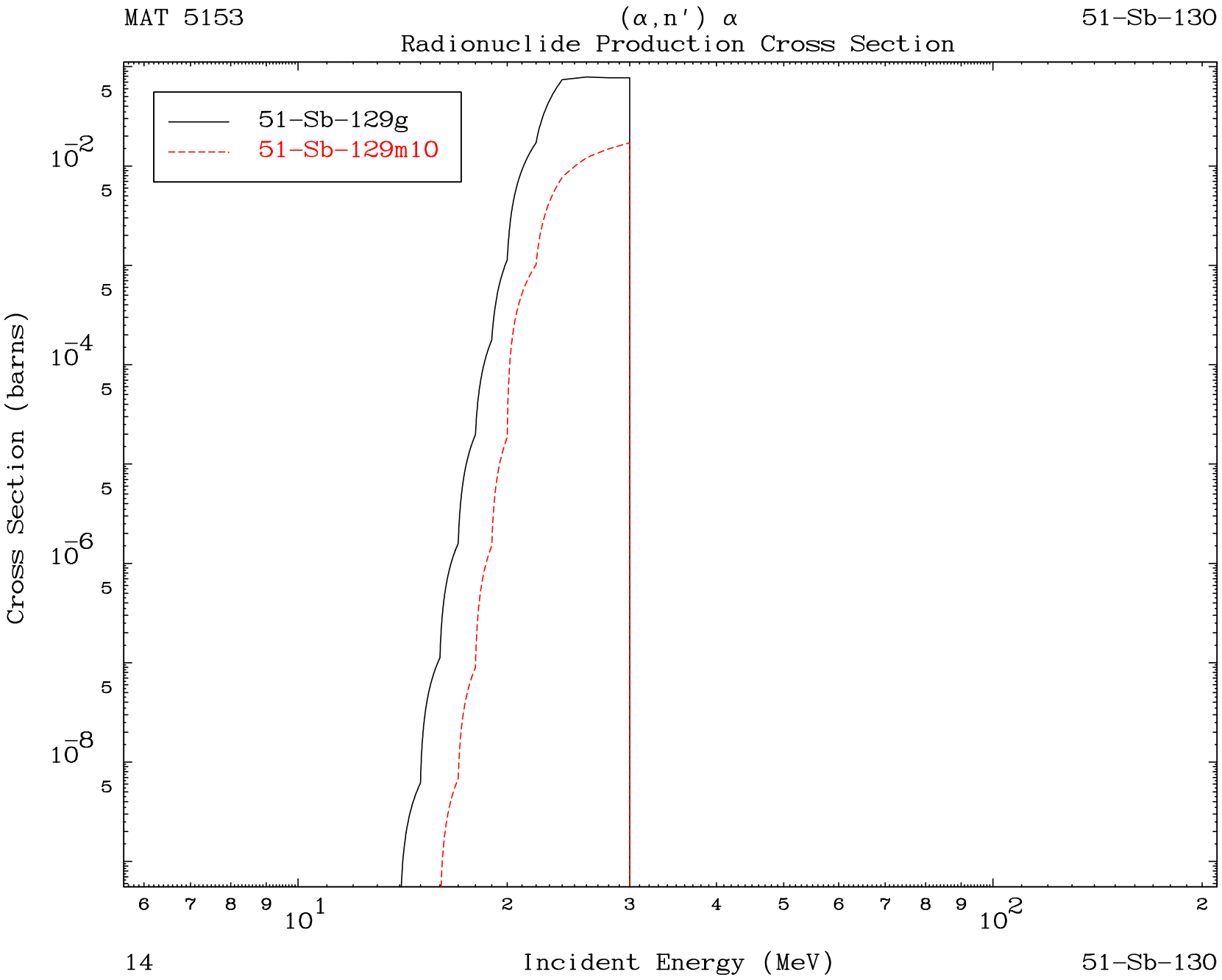
(α,α) Levels
0 Kelvin Cross Sections

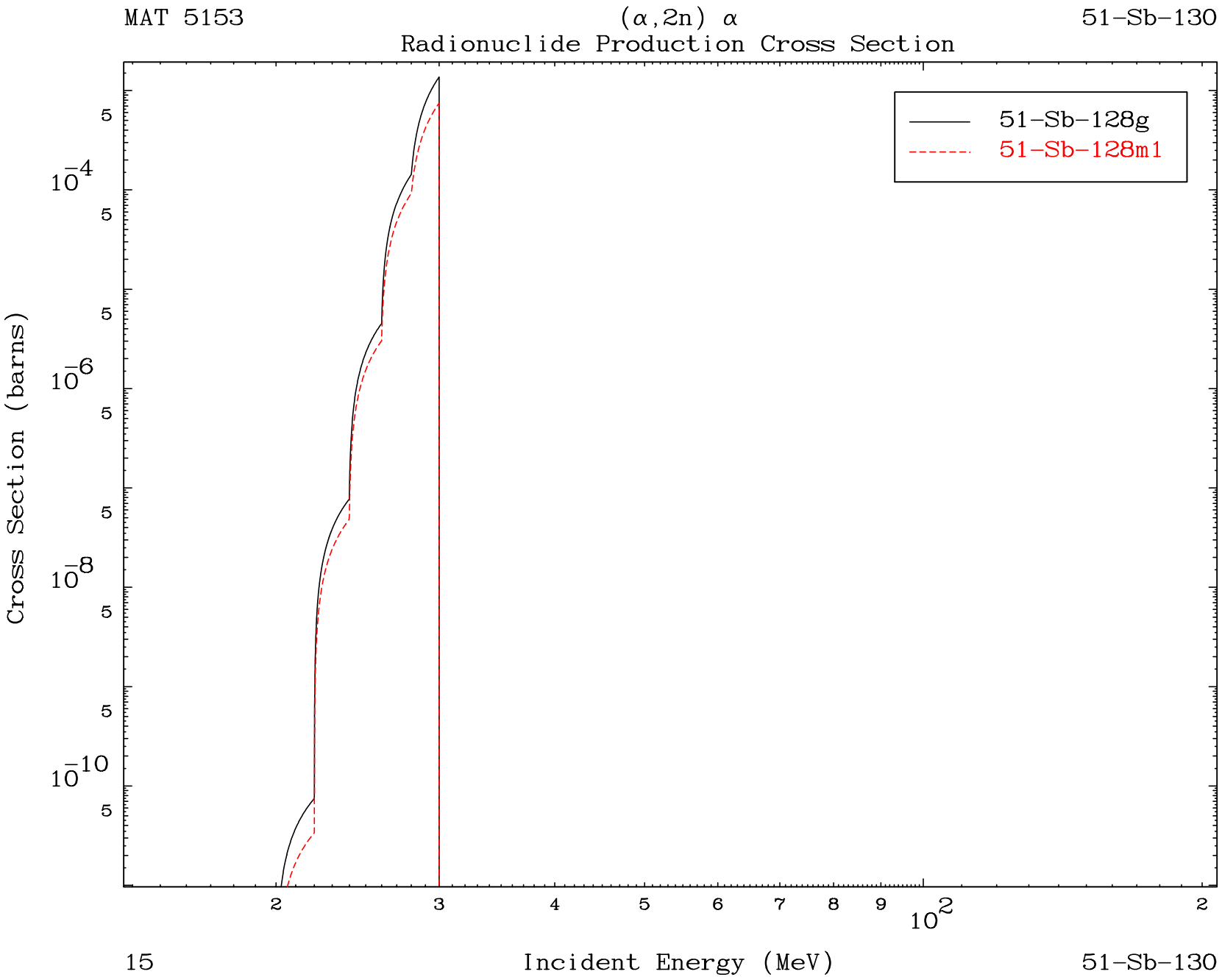


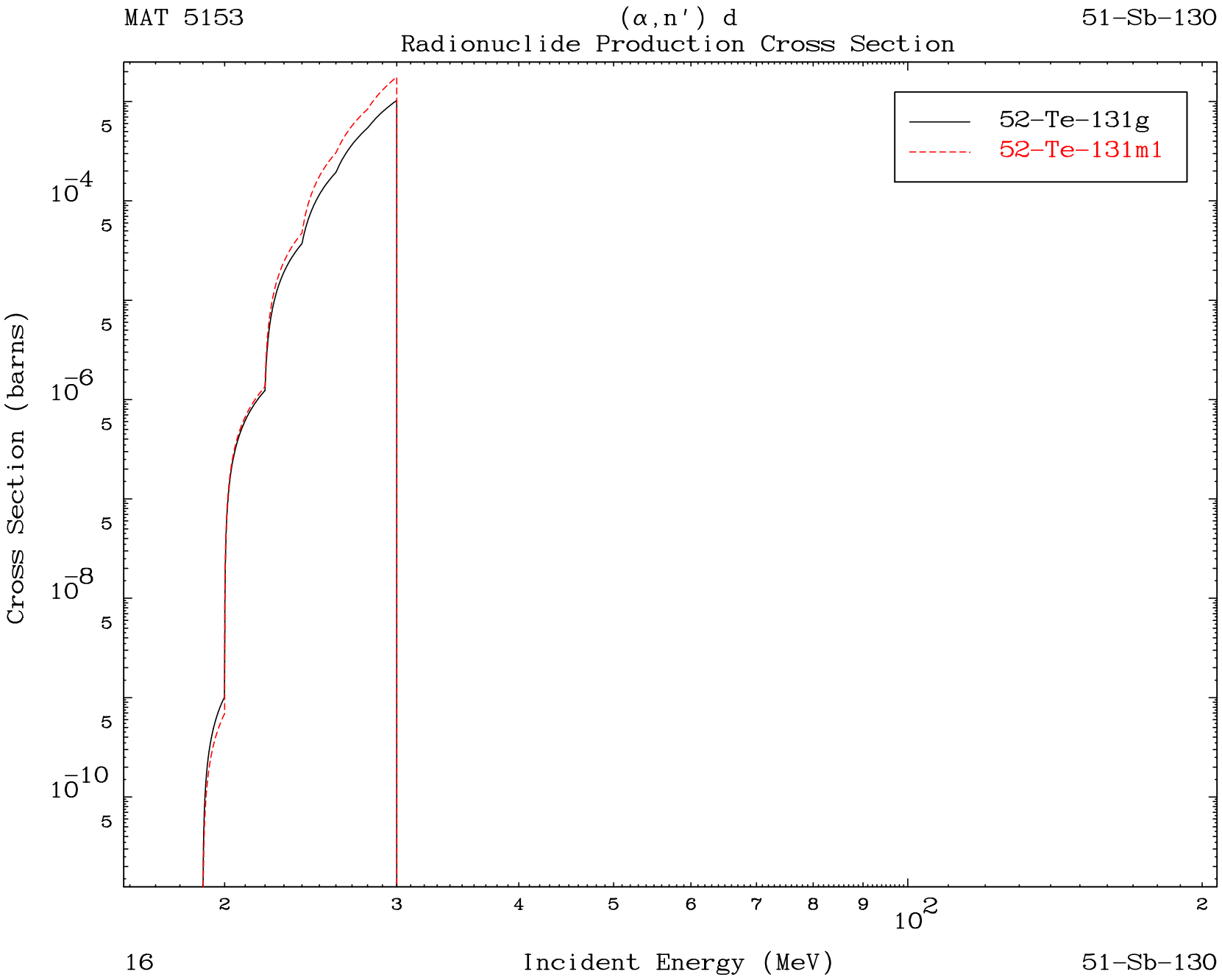
Incident Energy (MeV)

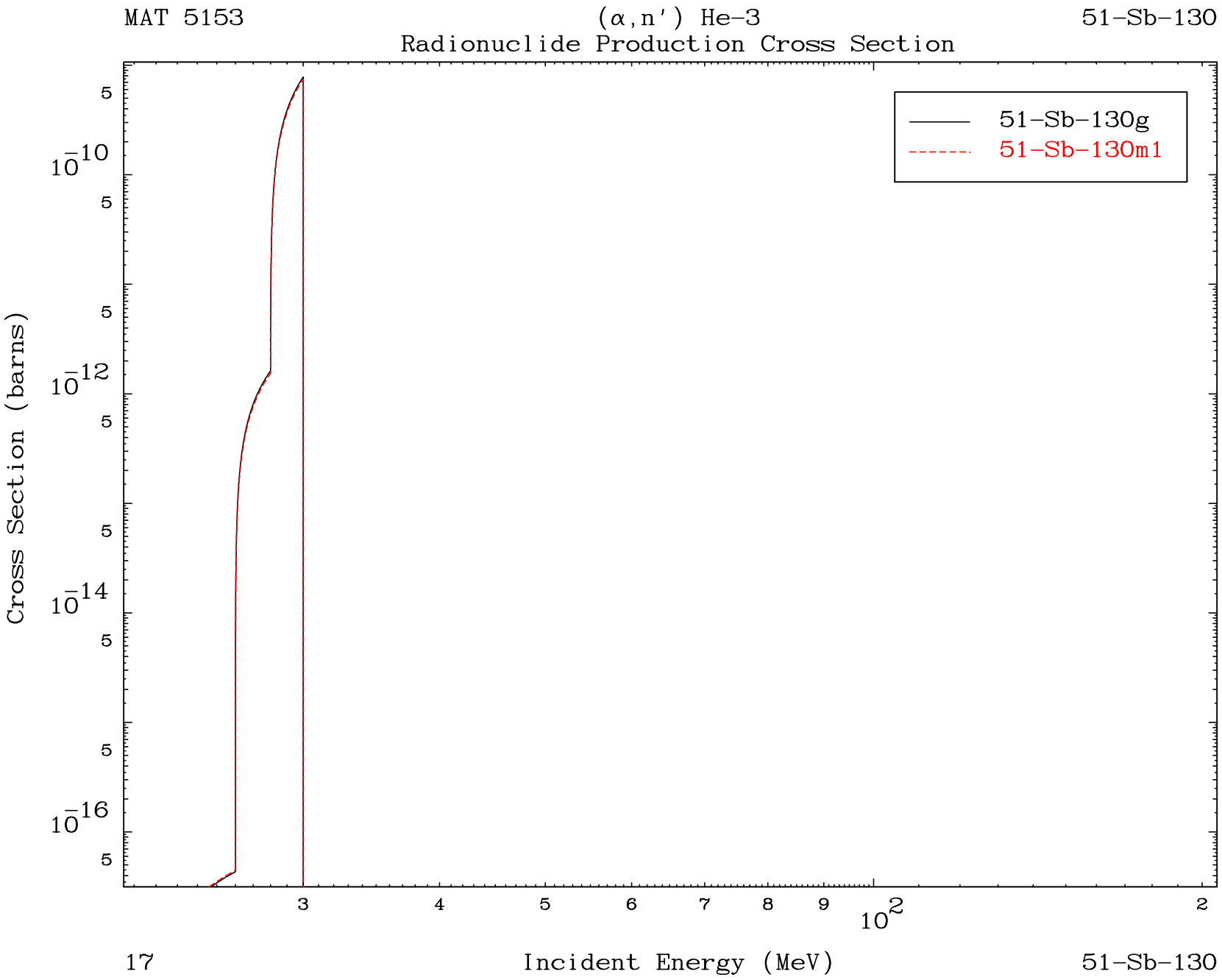

MAT 5153
α Inelastic
Radionuclide Production Cross Section
51-Sb-130
53-I -133g
53-I -133m10
Cross Section (barns)
Incident Energy (MeV)
12
51-Sb-130

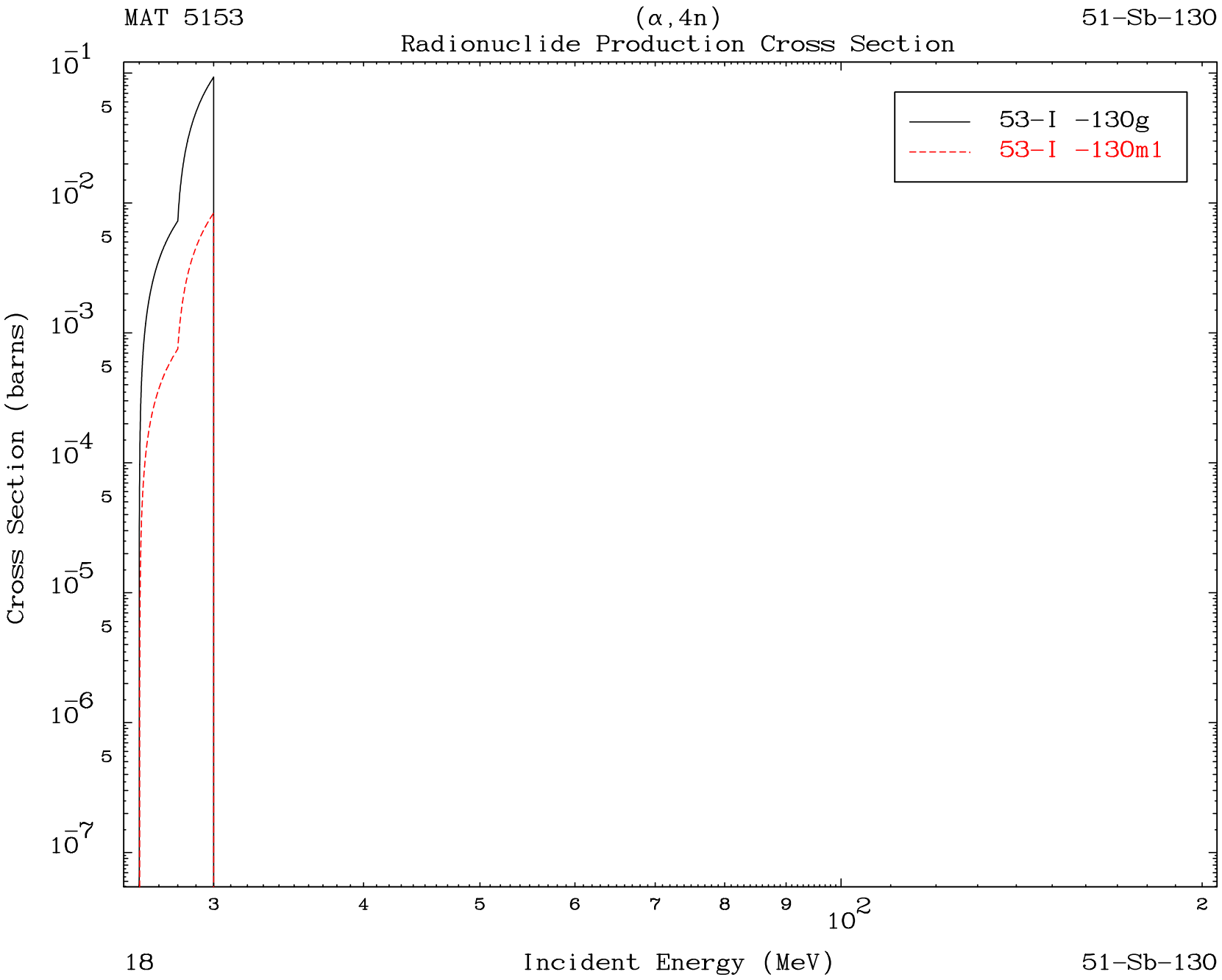

MAT 5153
(α,2n)
51-Sb-130
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
53-I -132g
53-I -132m3
13
51-Sb-130

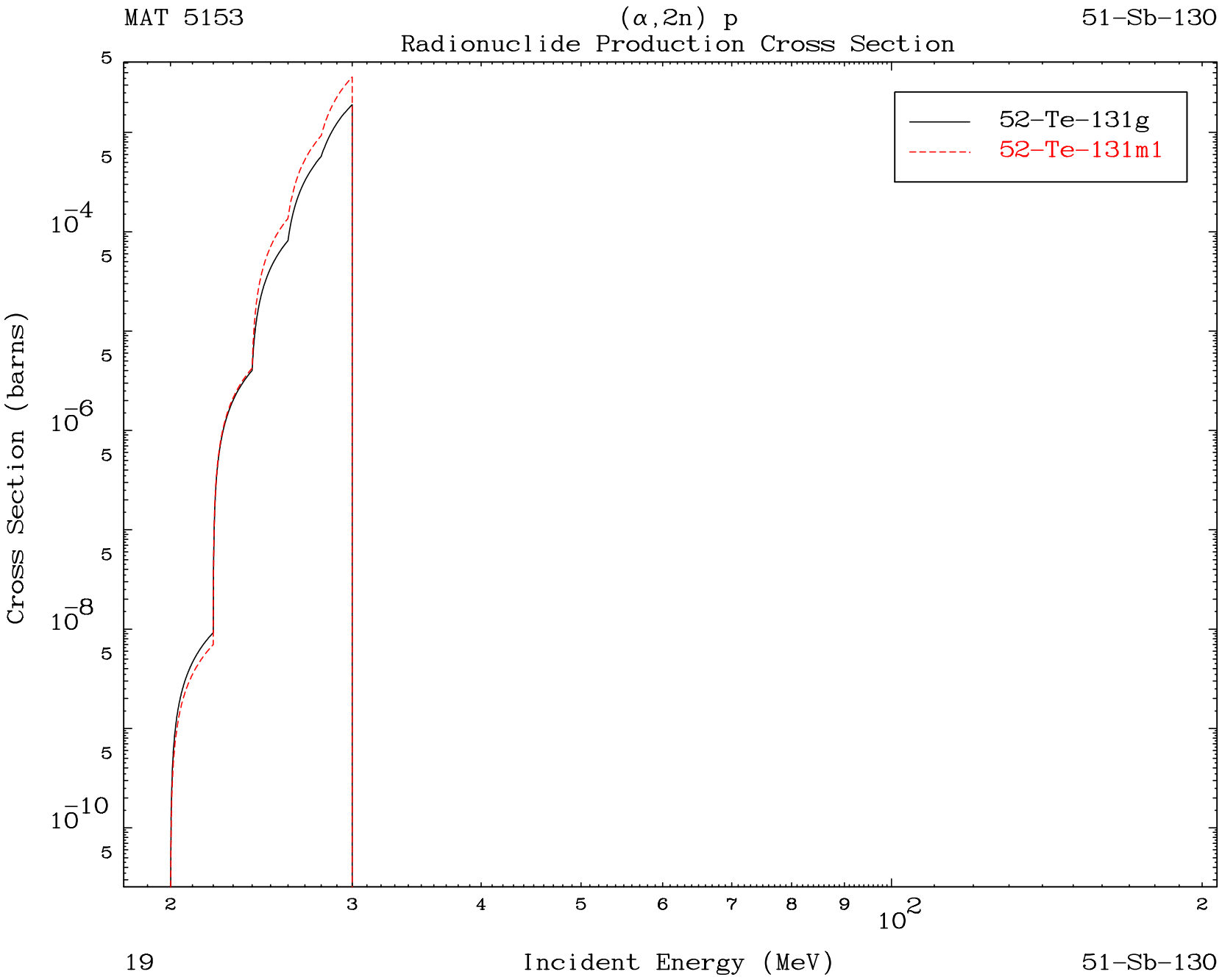

MAT 5153
(α,n') α
51-Sb-130
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m10
Cross Section (barns)
Incident Energy (MeV)
14
51-Sb-130

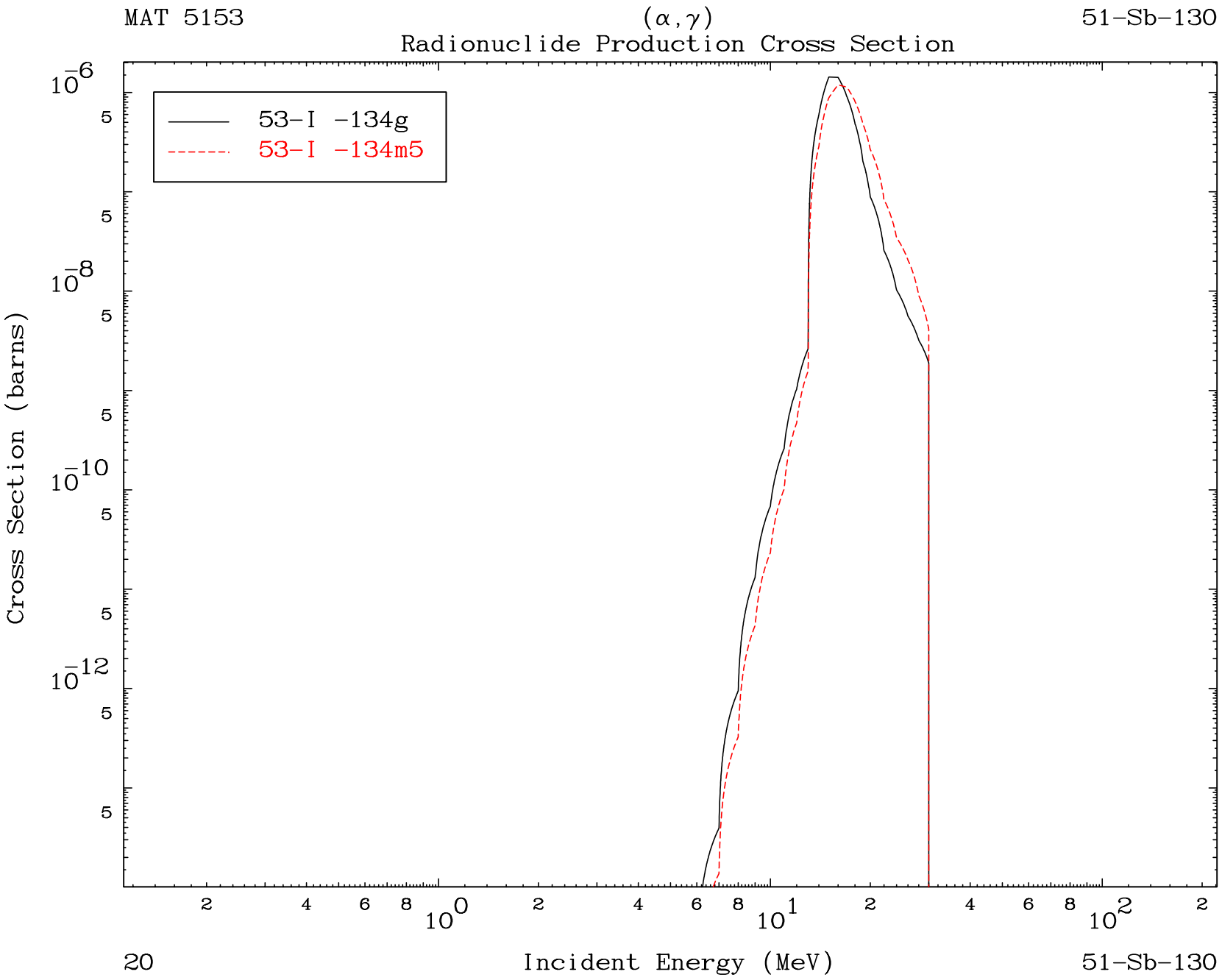

MAT 5153
(α,2n) α
51-Sb-130
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
15
51-Sb-130

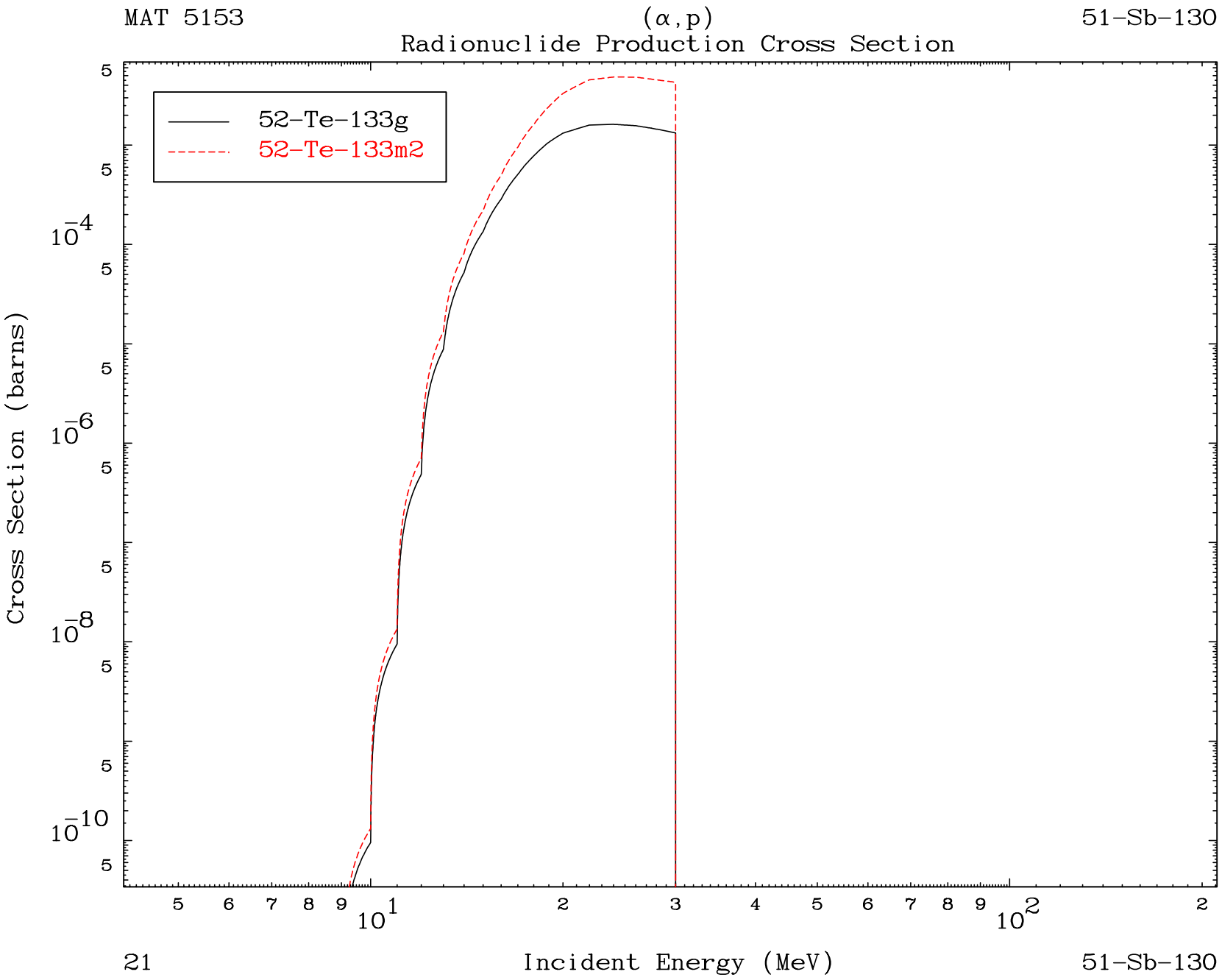

MAT 5153
(α,n') d
51-Sb-130
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
Incident Energy (MeV)
16
51-Sb-130

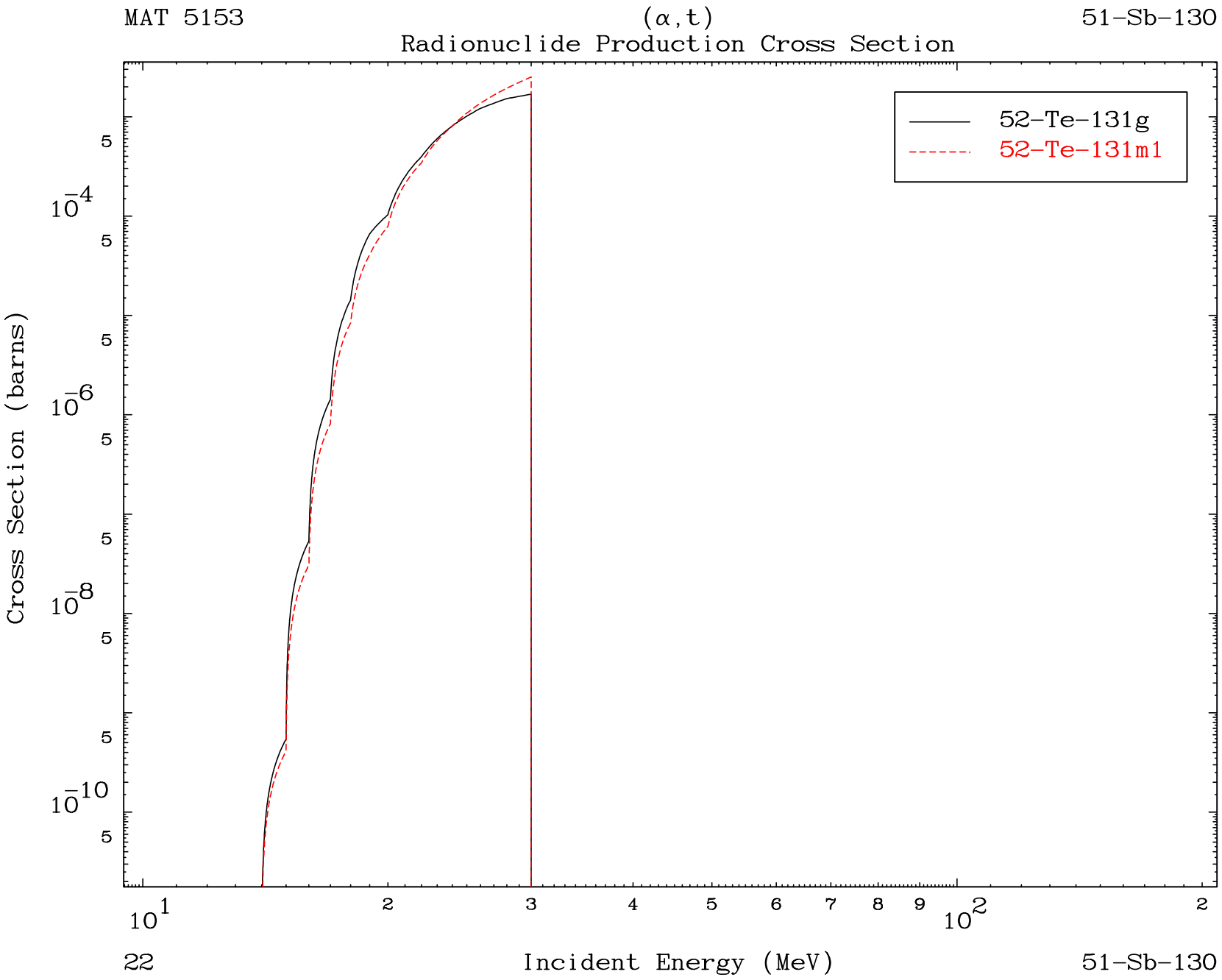

MAT 5153
(α,n') He-3
51-Sb-130
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
Incident Energy (MeV)
17
51-Sb-130

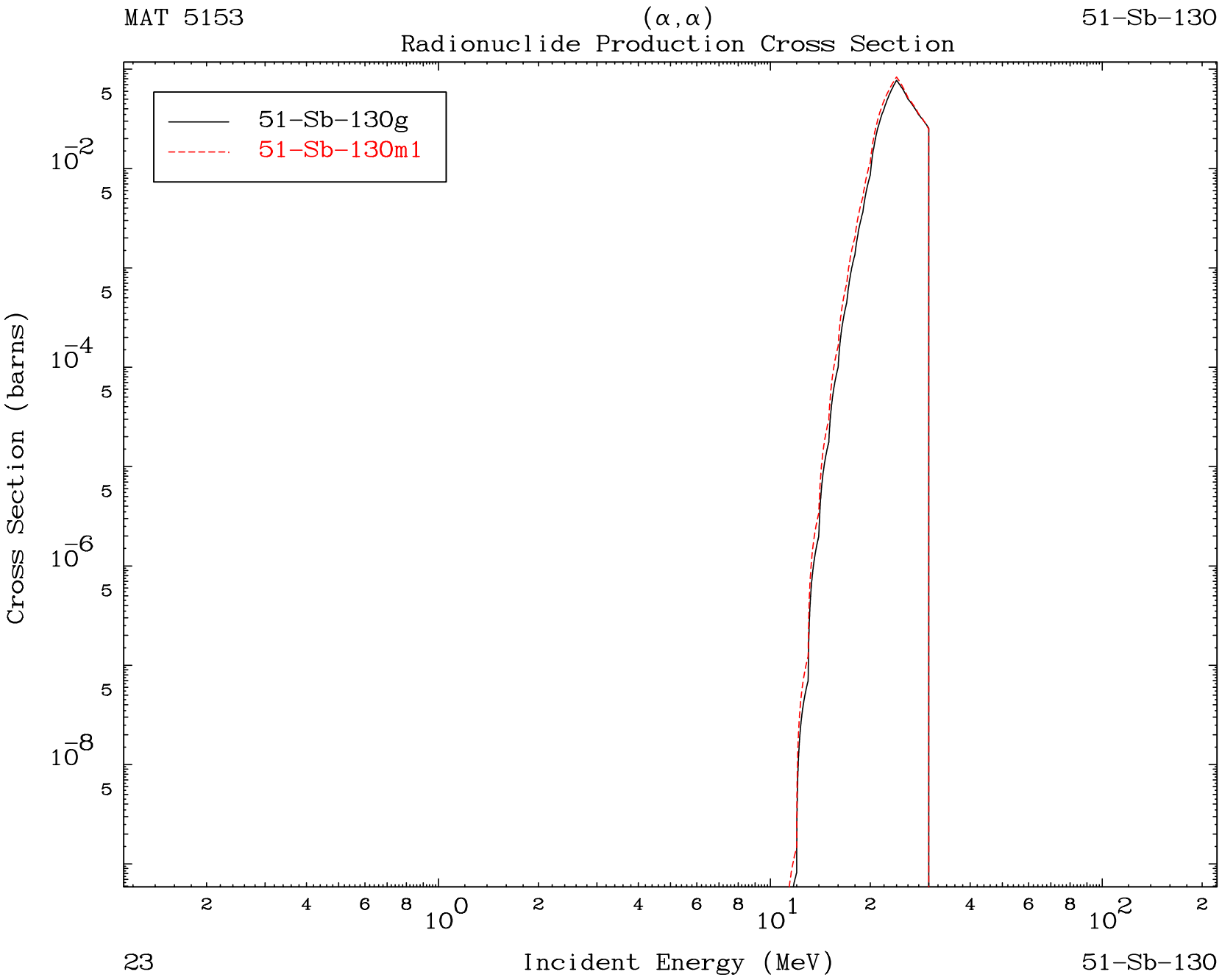

MAT 5153
(α,4n)
51-Sb-130
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
Incident Energy (MeV)
18
51-Sb-130

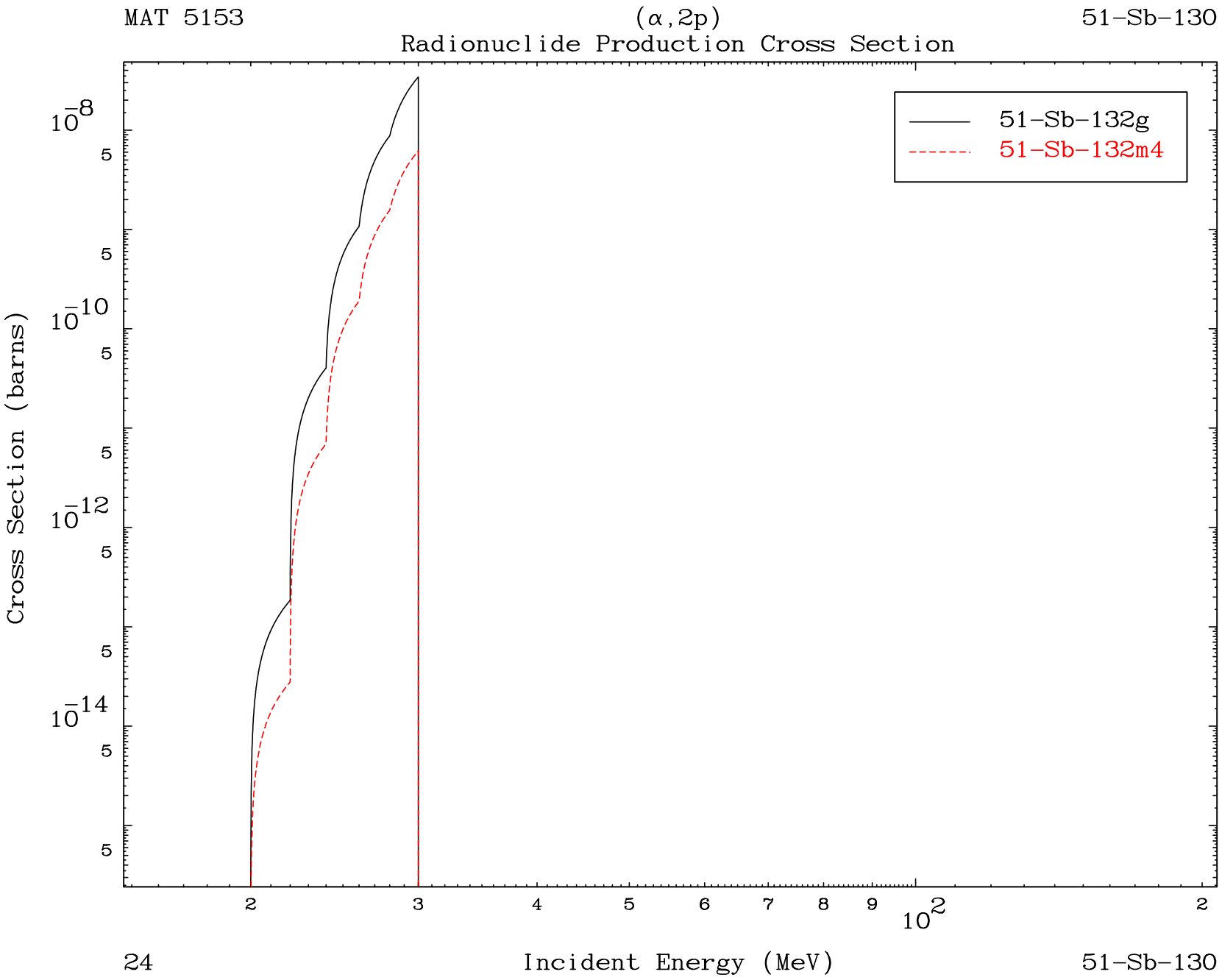

MAT 5153
(α,2n) p
51-Sb-130
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
Incident Energy (MeV)
19
51-Sb-130

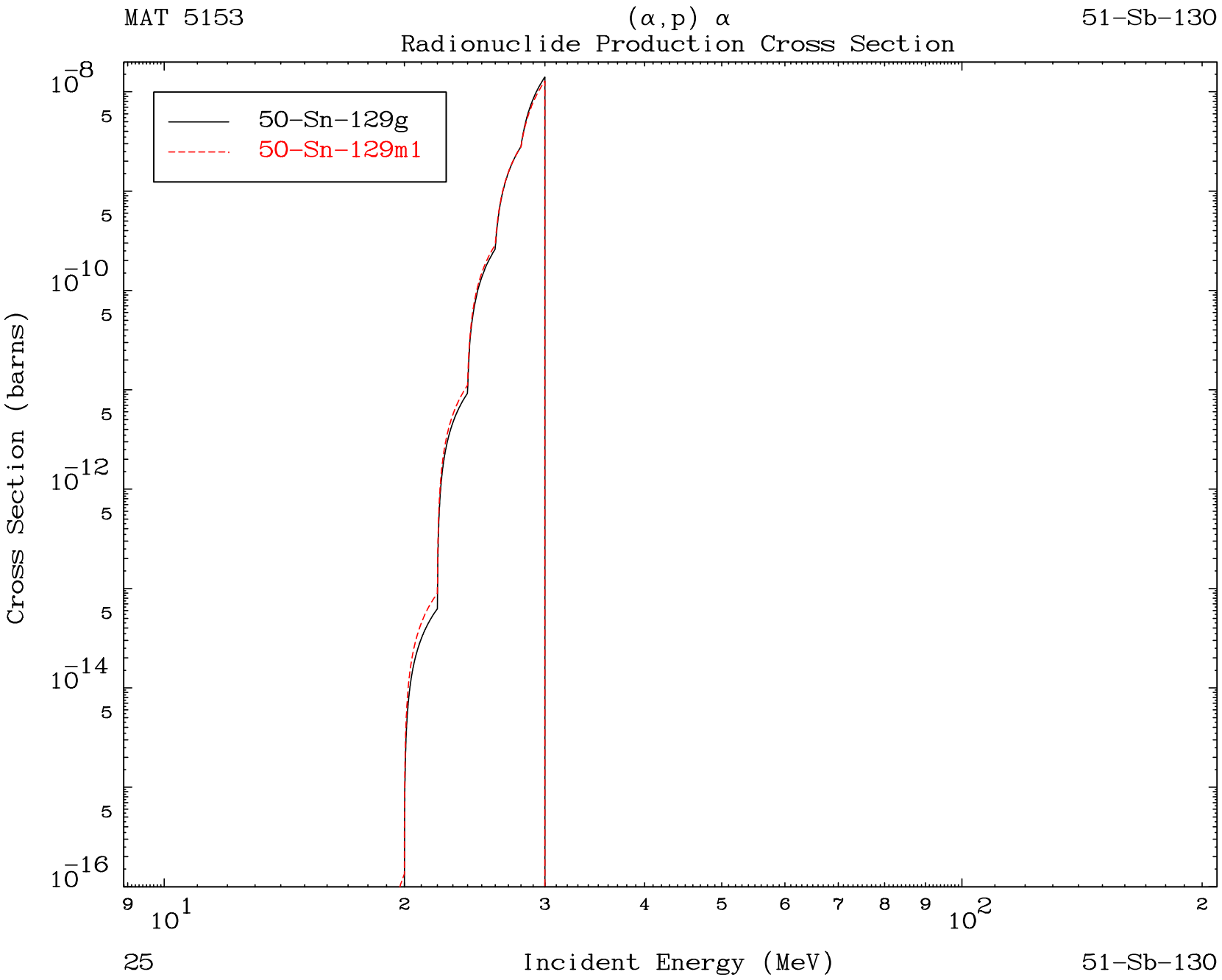

MAT 5153
(α,γ)
51-Sb-130
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
Incident Energy (MeV)
20
51-Sb-130


MAT 5153
(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 5153
(α,t)
51-Sb-130
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
Incident Energy (MeV)
22
51-Sb-130


MAT 5153
(α,α)
51-Sb-130
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
Incident Energy (MeV)
23
51-Sb-130


MAT 5153
(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 5153
(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