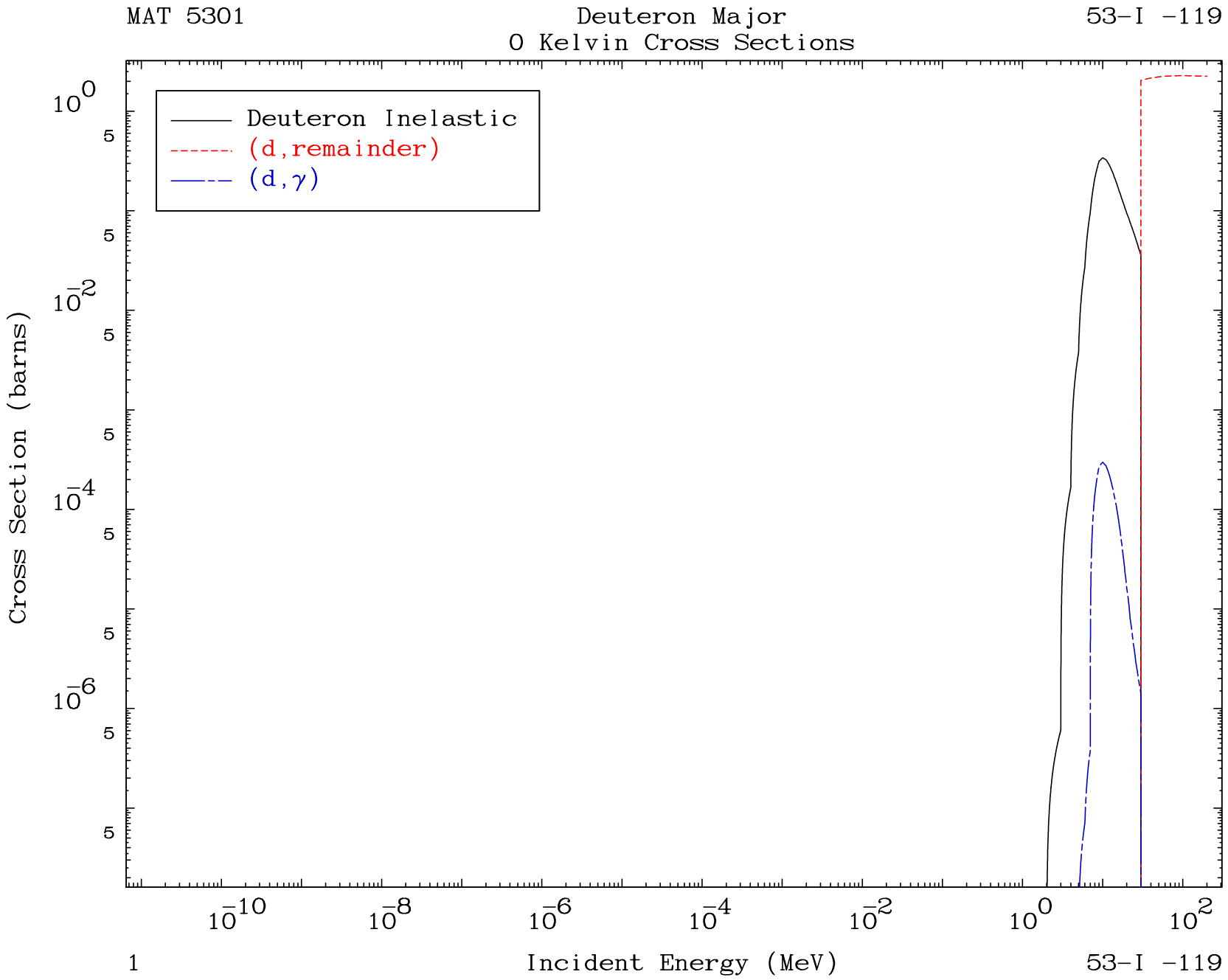
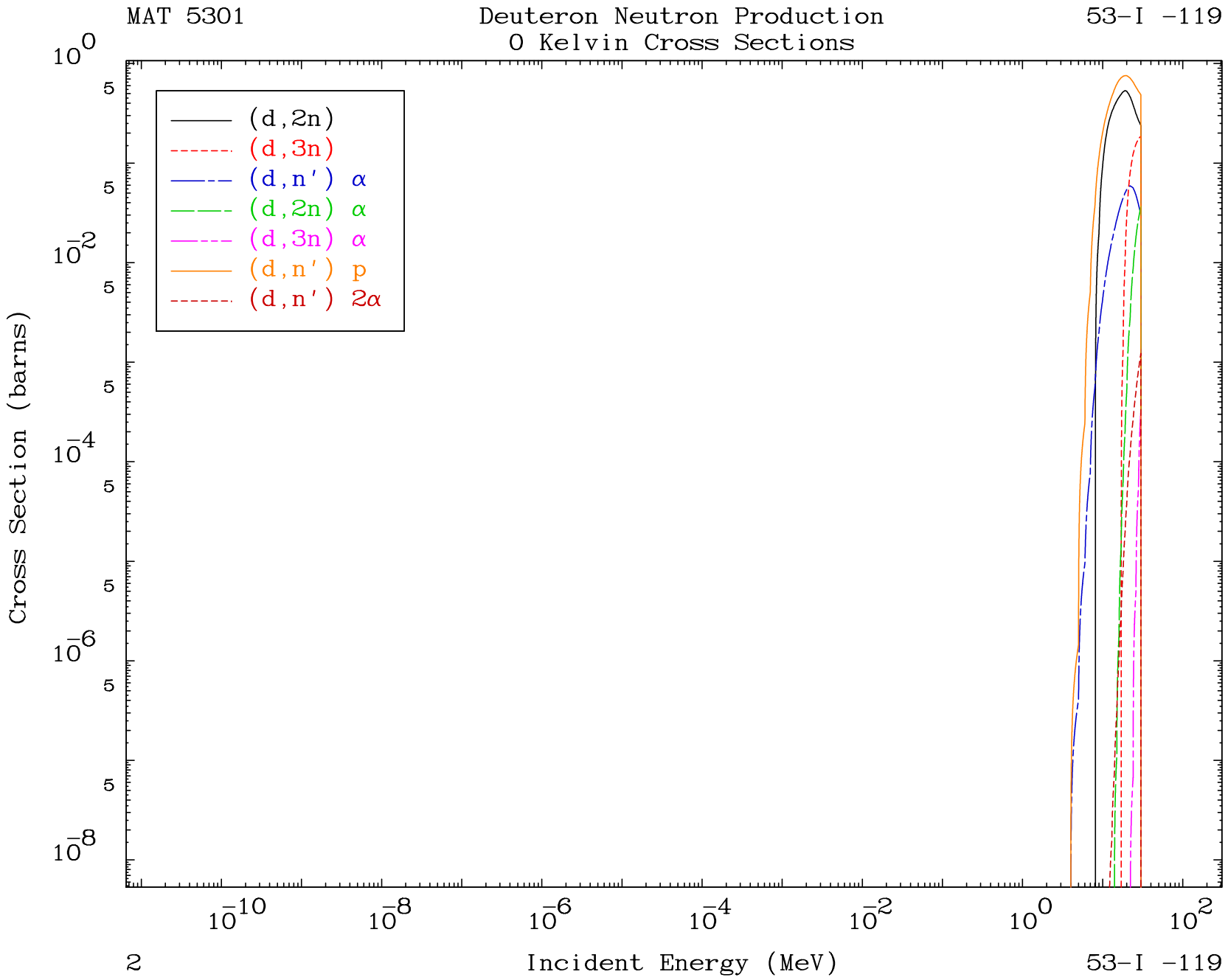
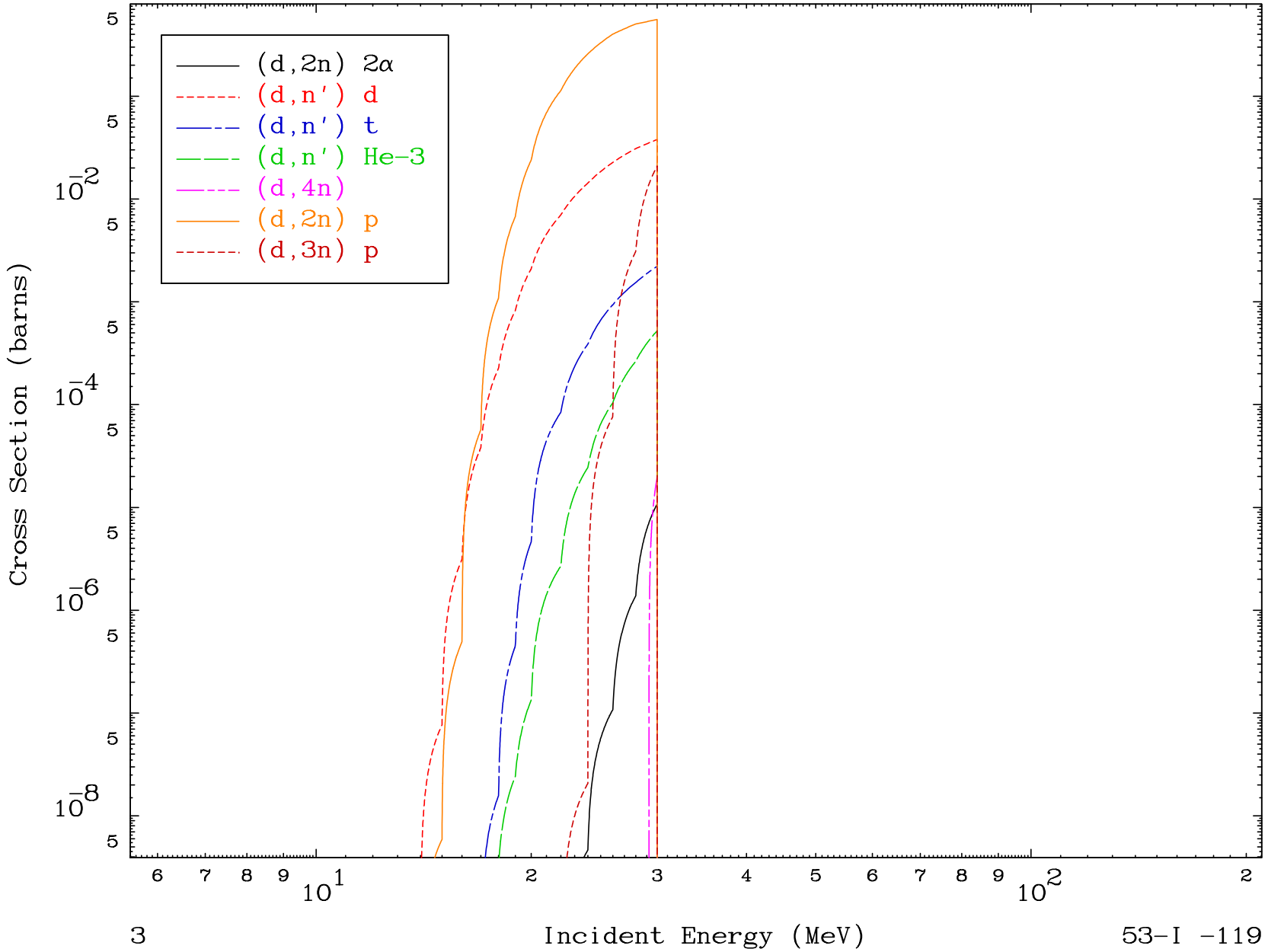
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

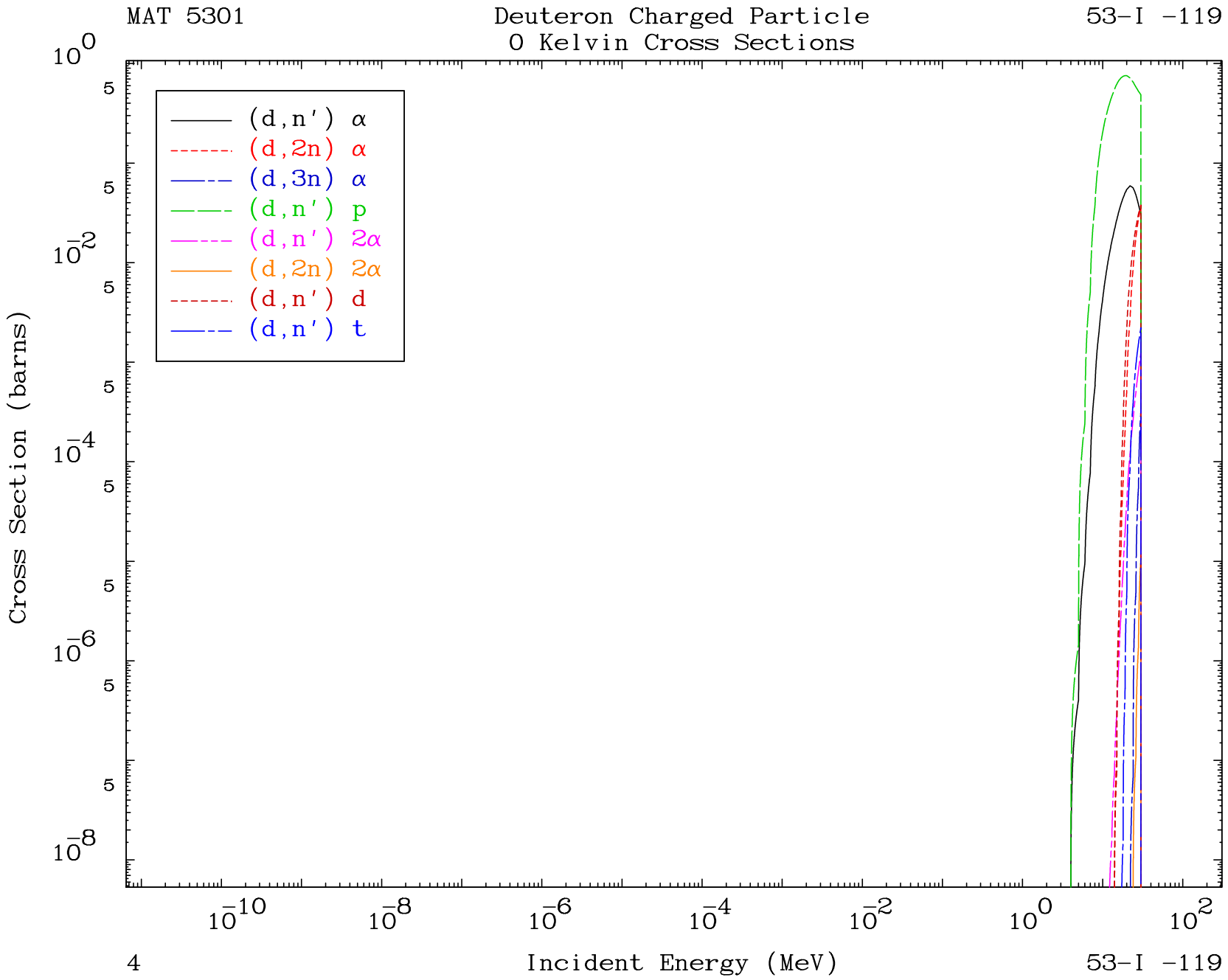
Press Mouse Button to Start

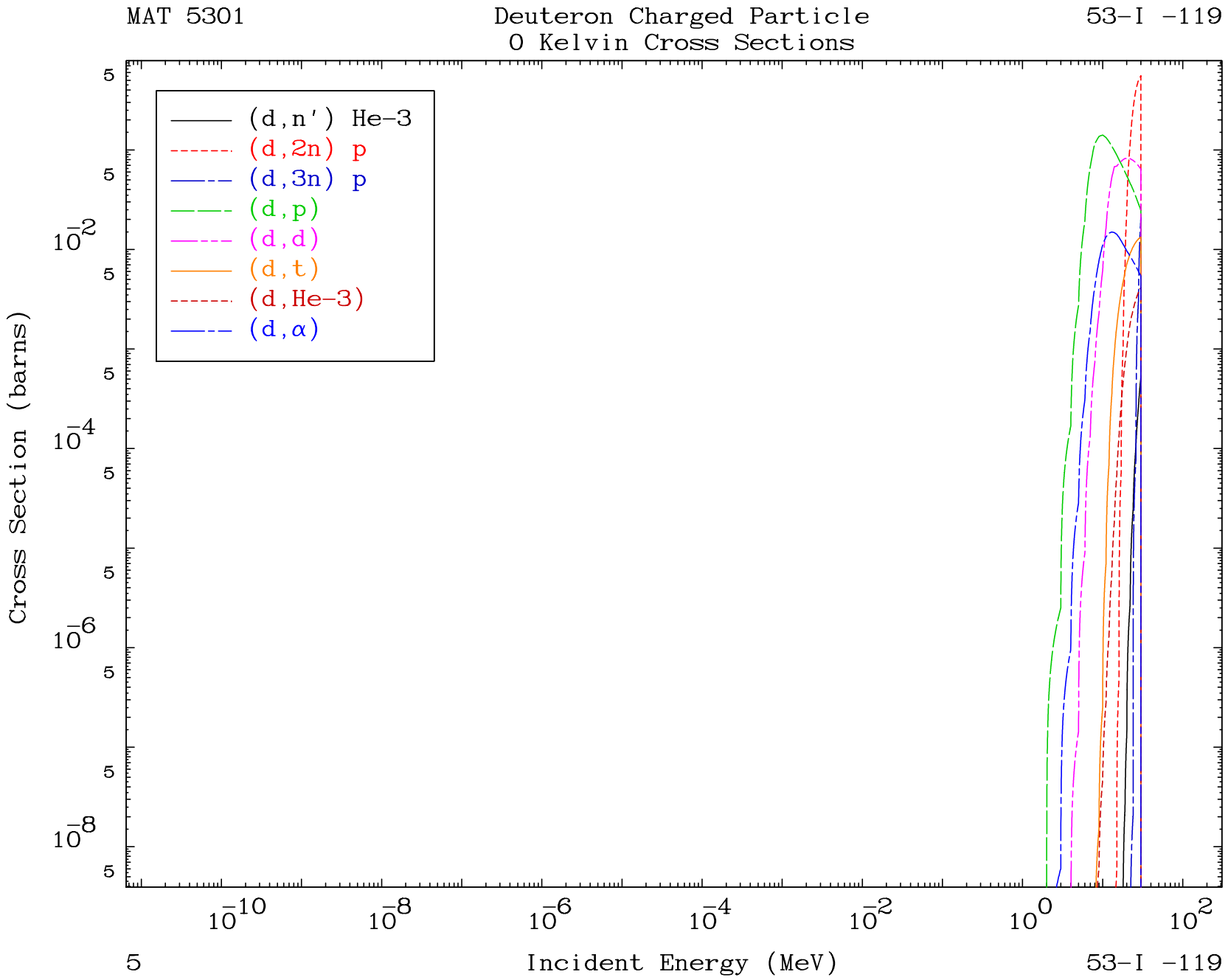

MAT 5301
Deuteron Major
53-I -119
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -119


MAT 5301
Deuteron Neutron Production
0 Kelvin Cross Sections
53-I -119
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
53-I -119

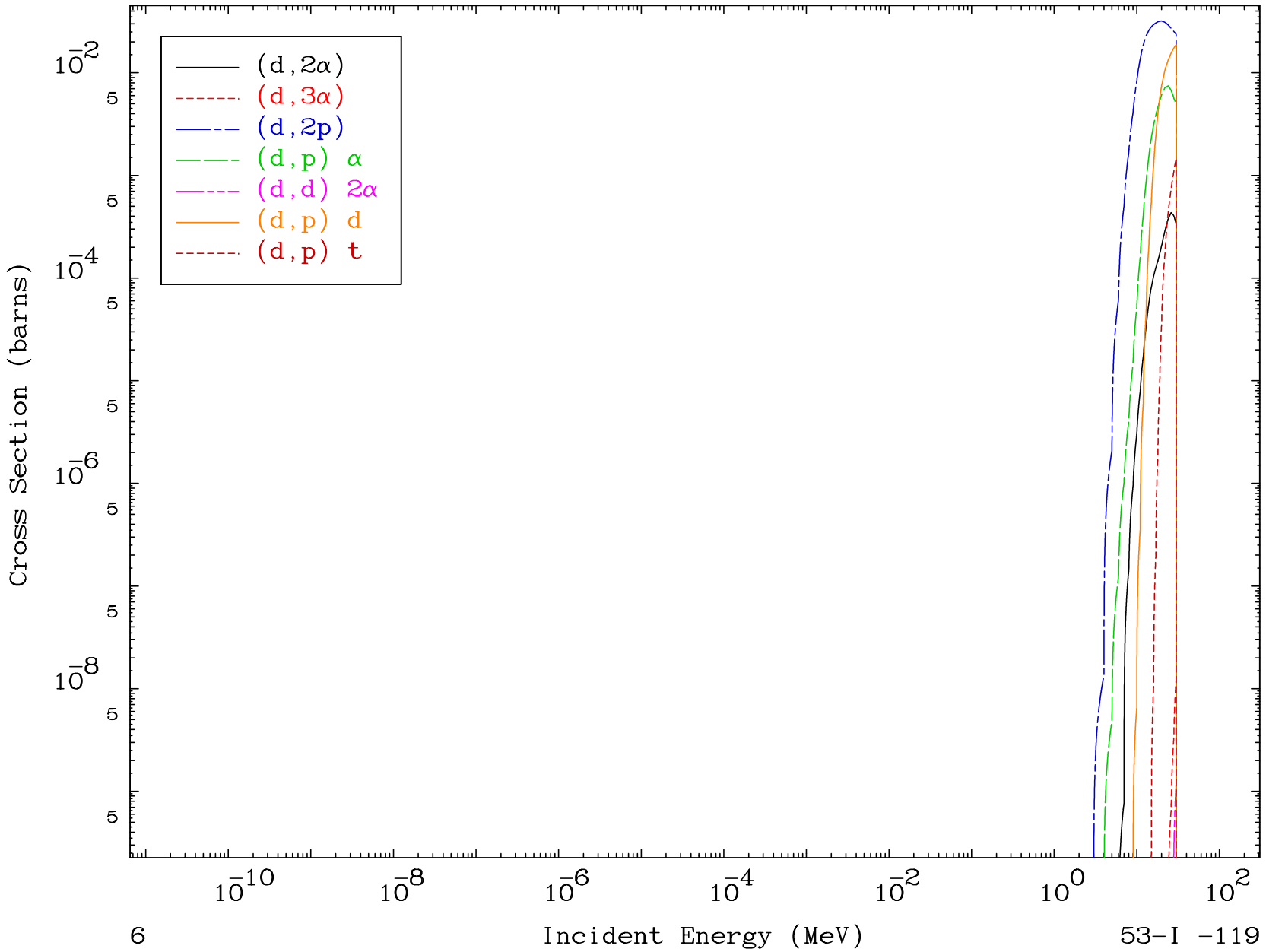
Deuteron Neutron Production
0 Kelvin Cross Sections

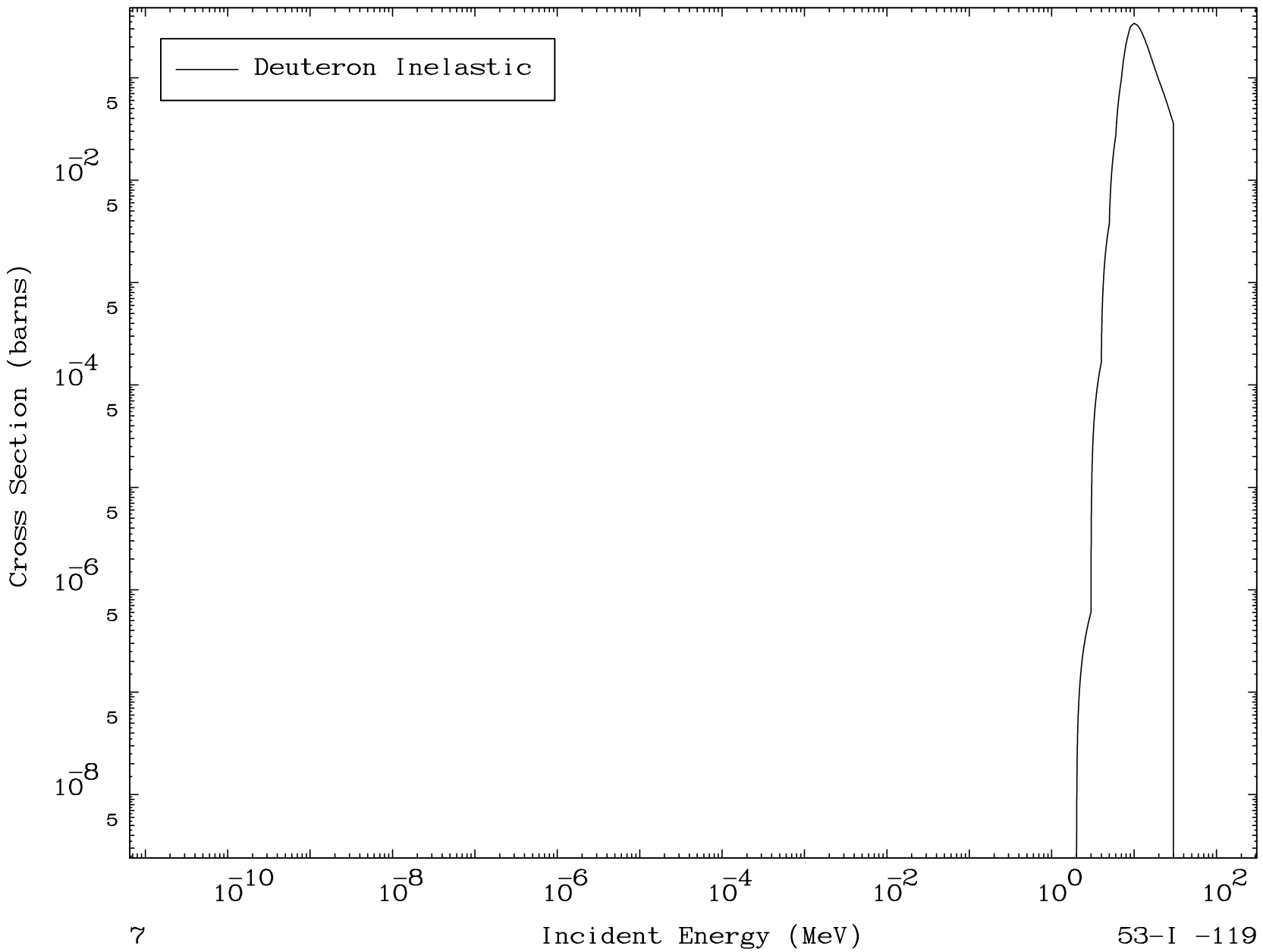



MAT 5301
Deuteron Charged Particle
0 Kelvin Cross Sections
53-I -119
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,2n) 2α
(d,n') d
(d,n') t
Cross Section (barns)
Incident Energy (MeV)
4
53-I -119

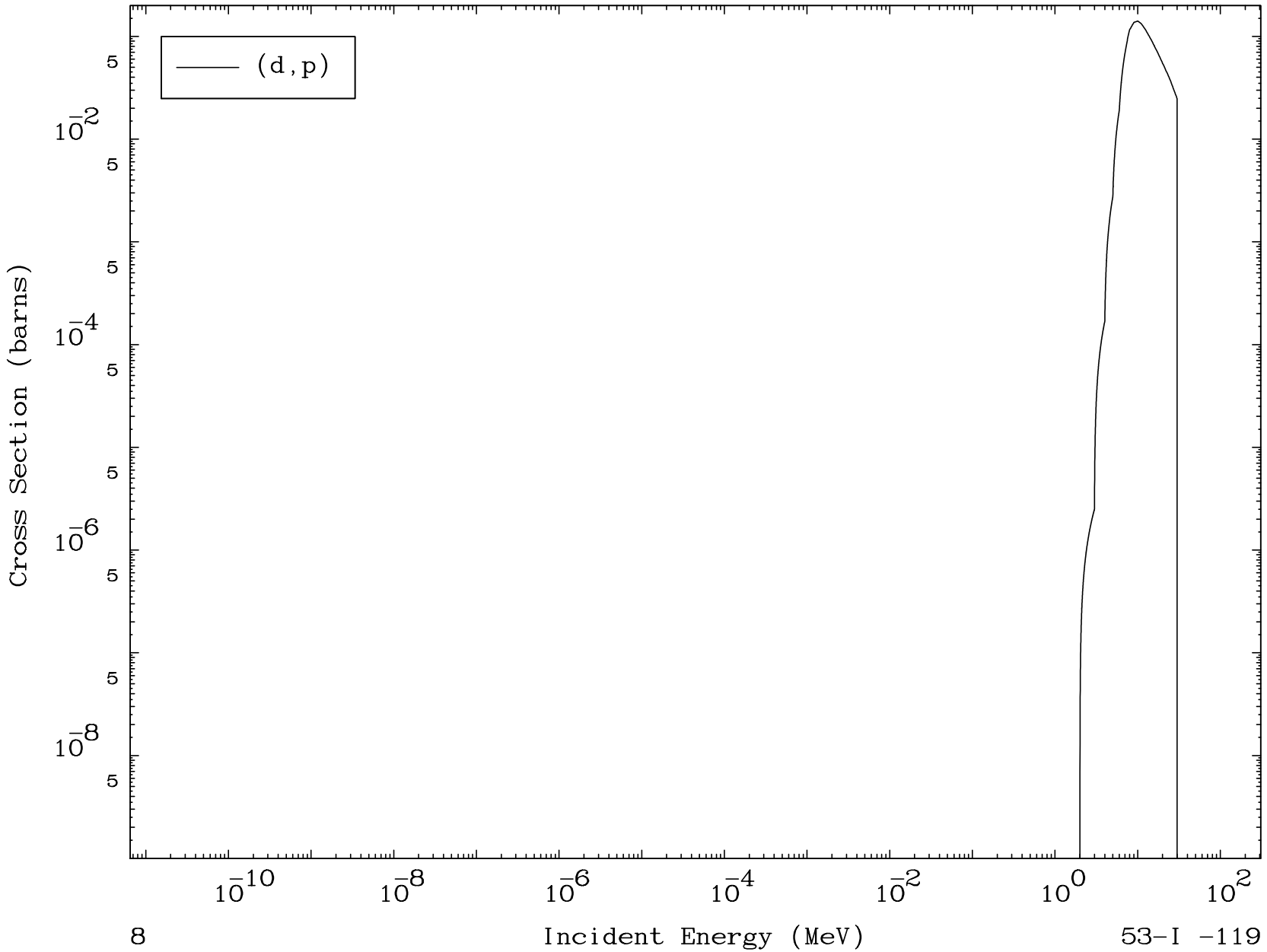

MAT 5301
Deuteron Charged Particle
0 Kelvin Cross Sections
53-I -119
(d,n') He-3
(d,2n) p
(d,3n) p
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
Cross Section (barns)
Incident Energy (MeV)
53-I -119

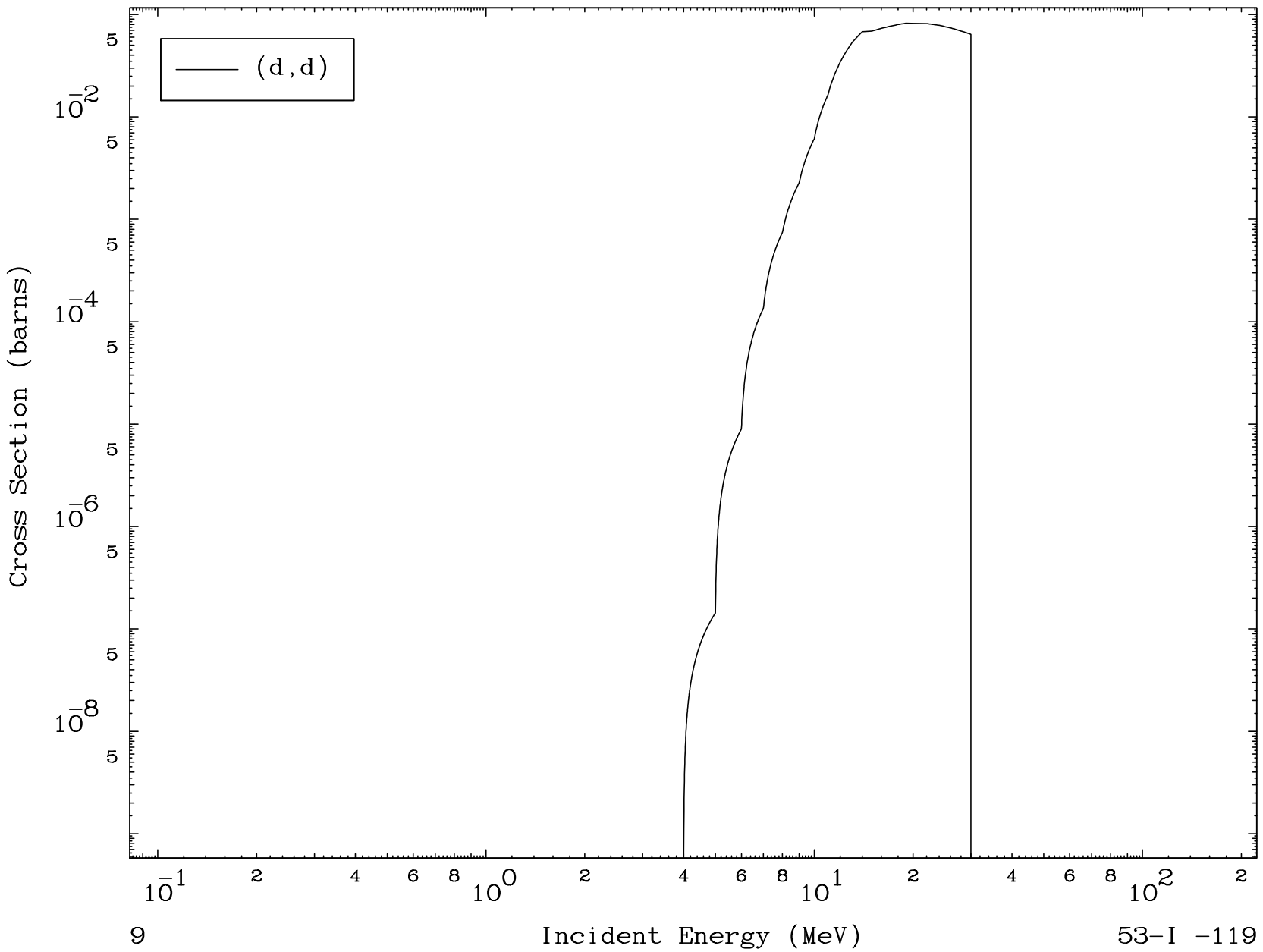
Deuteron Charged Particle
0 Kelvin Cross Sections

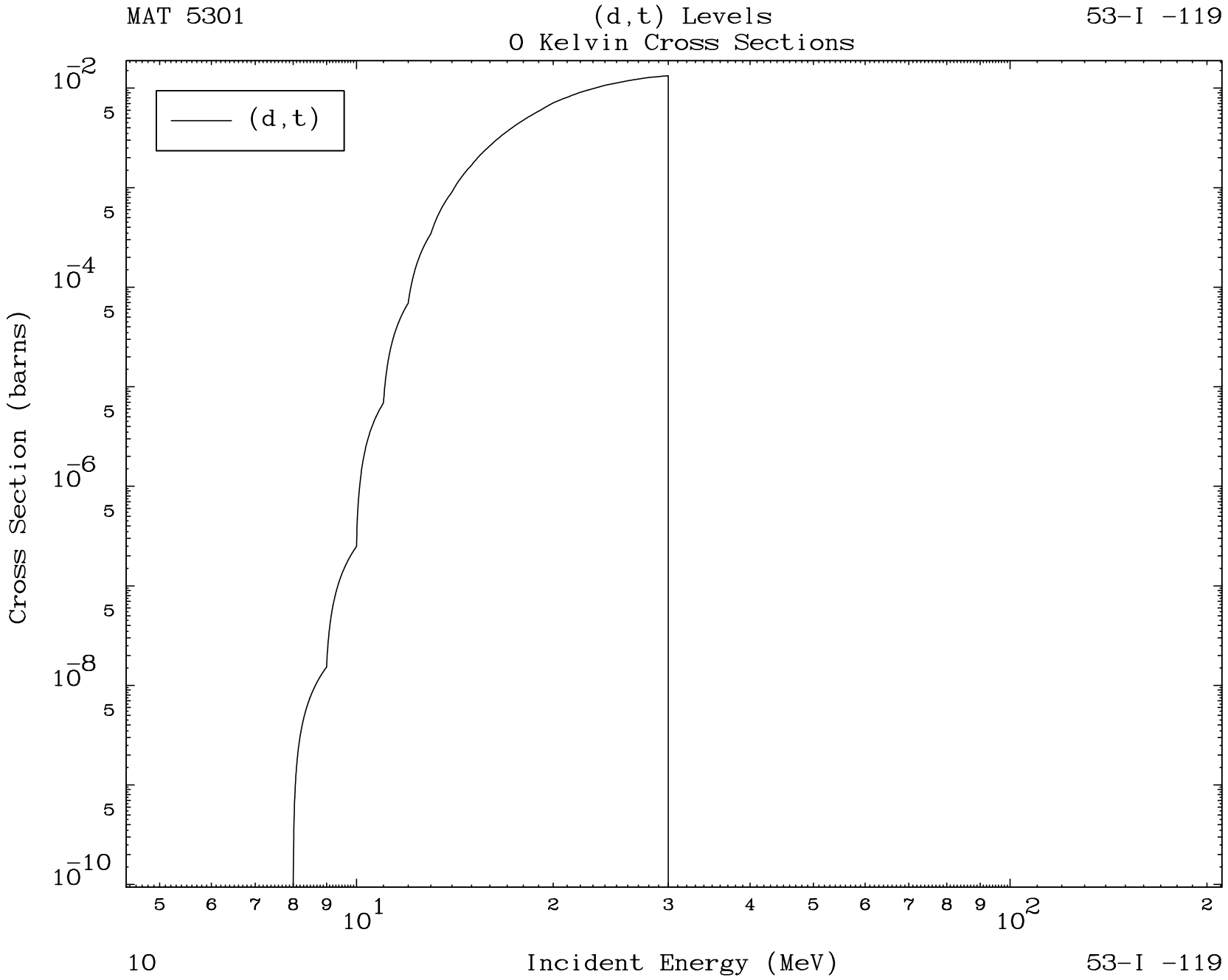


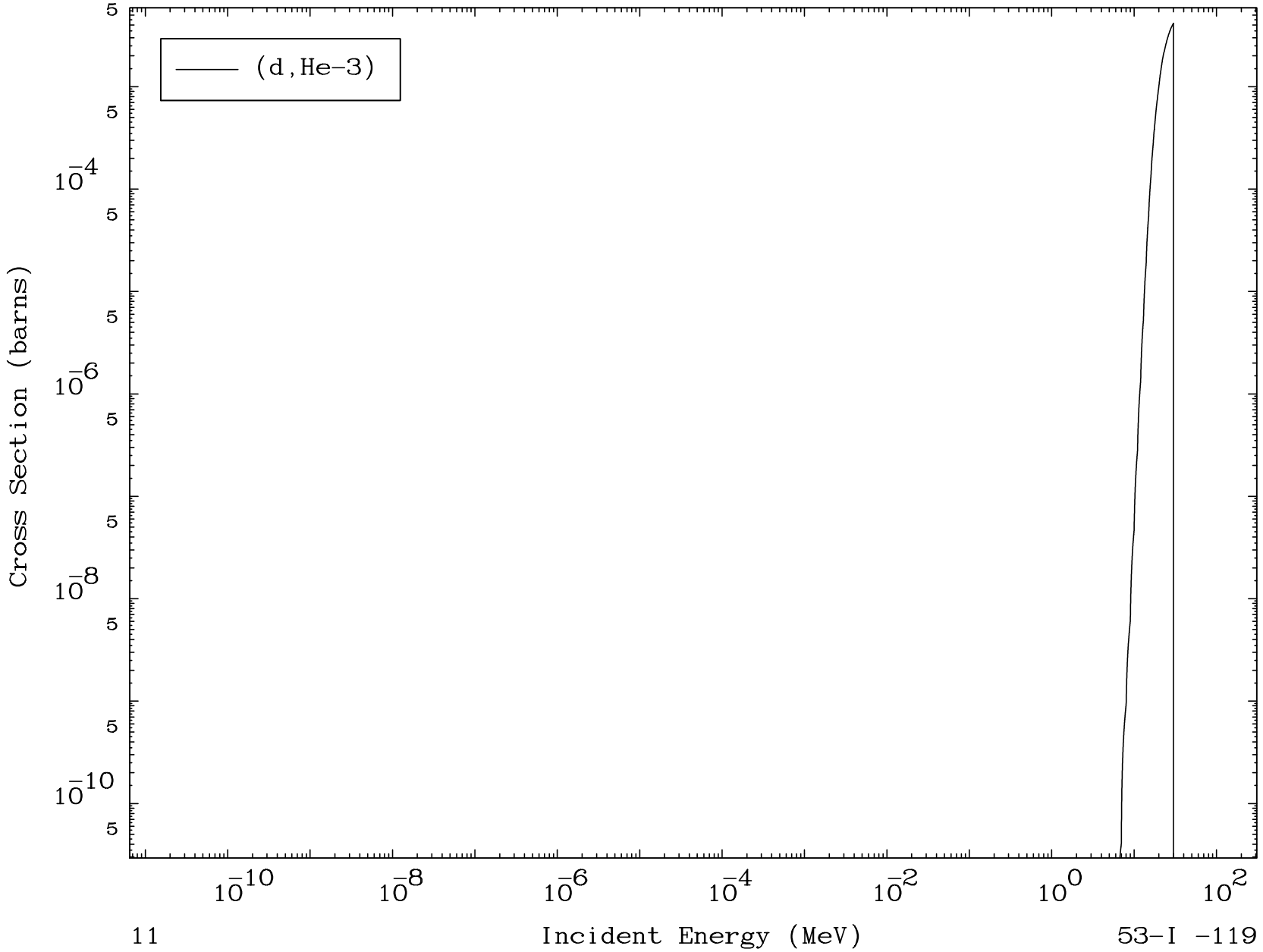

0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)

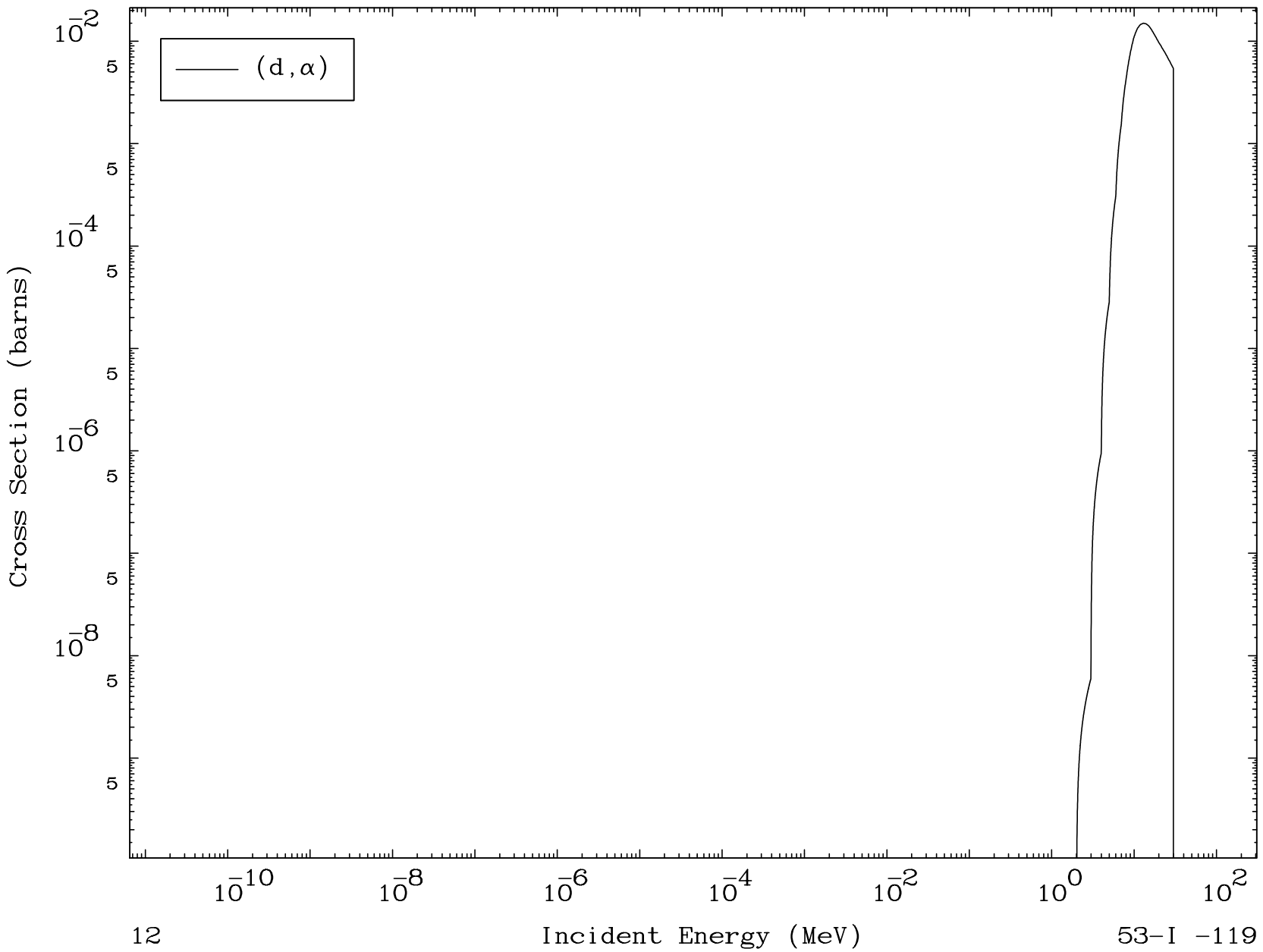
0 Kelvin Cross Sections

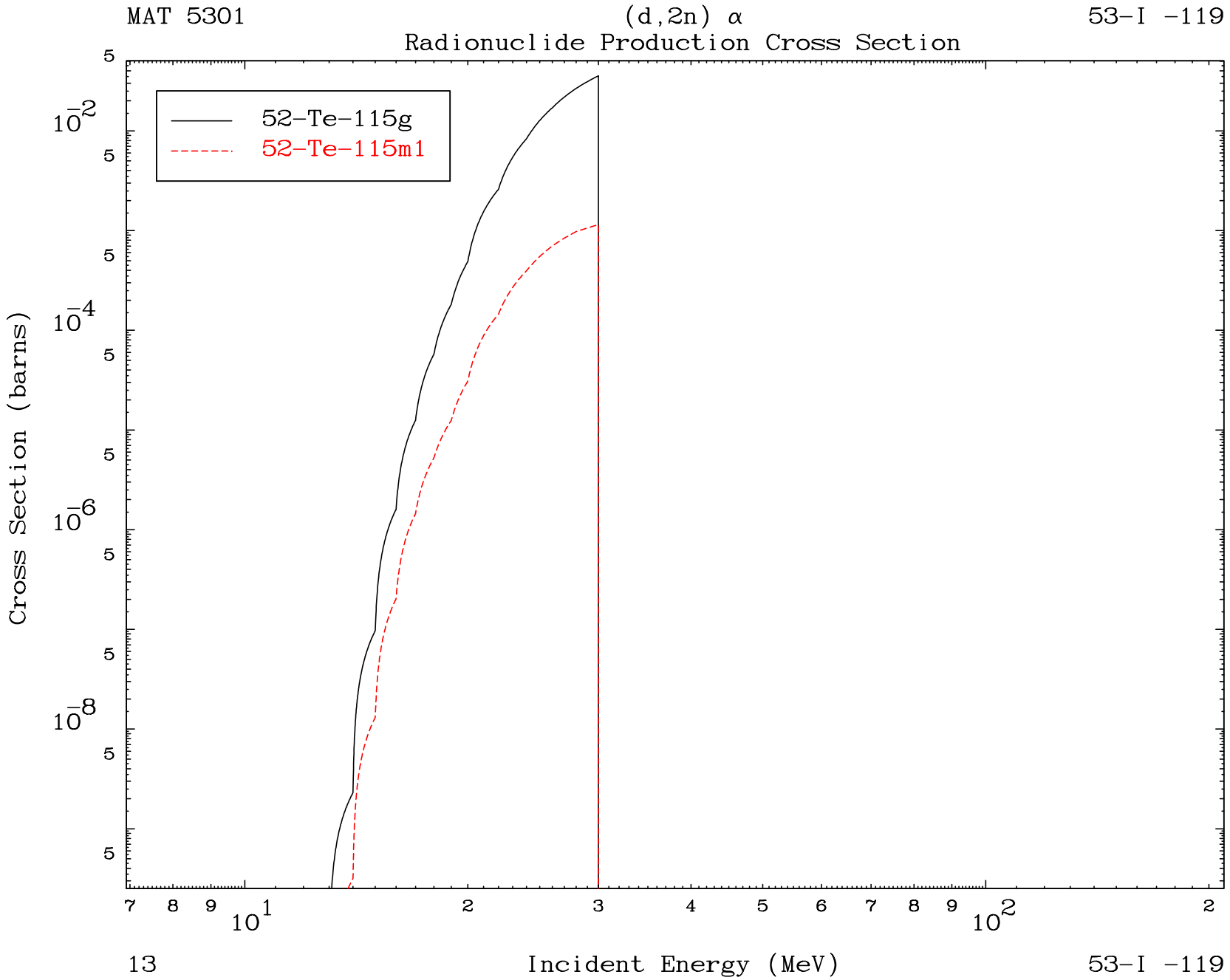


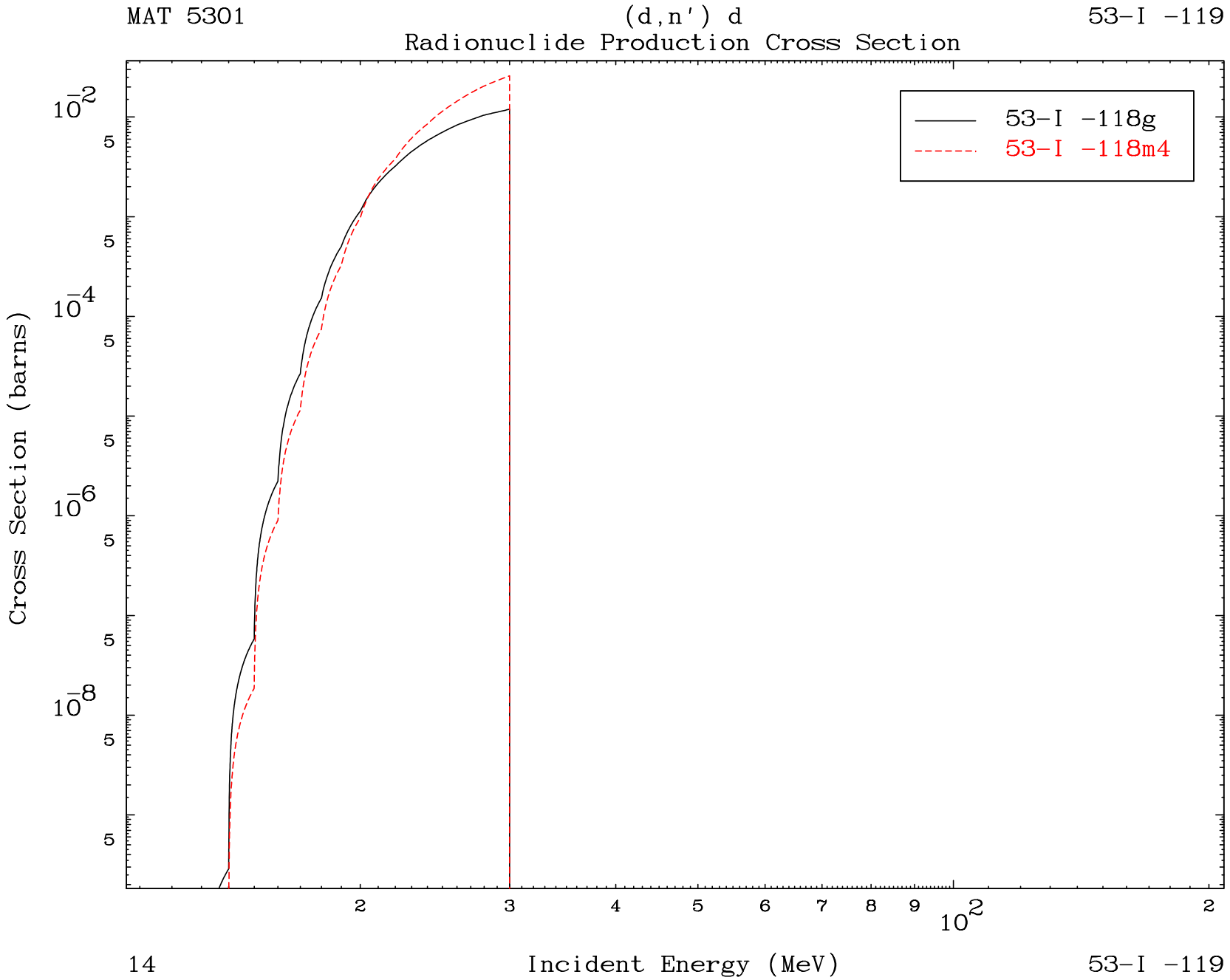

0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-1
100
101
102
Incident Energy (MeV)

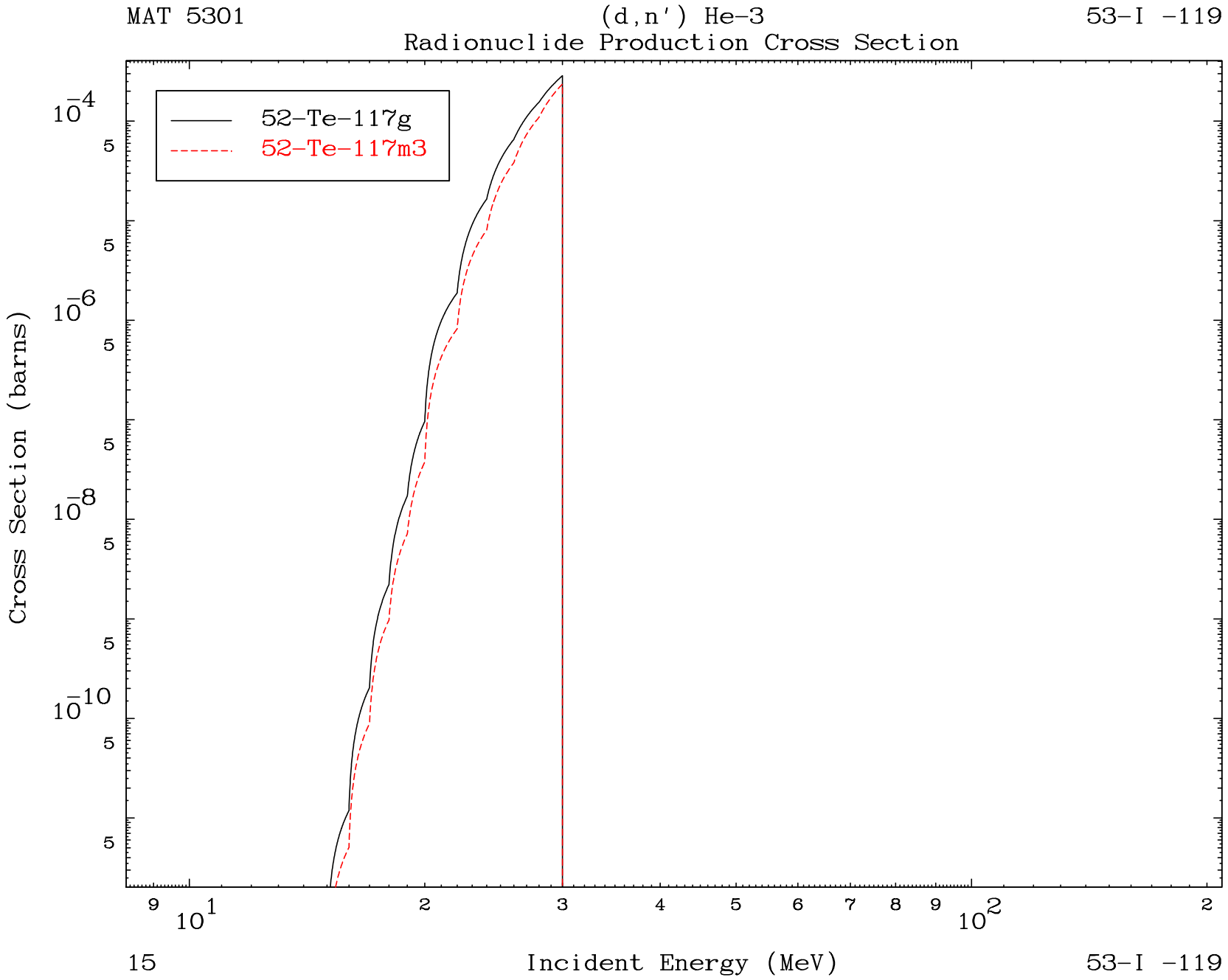

MAT 5301
(d,t) Levels
53-I -119
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
10
53-I -119

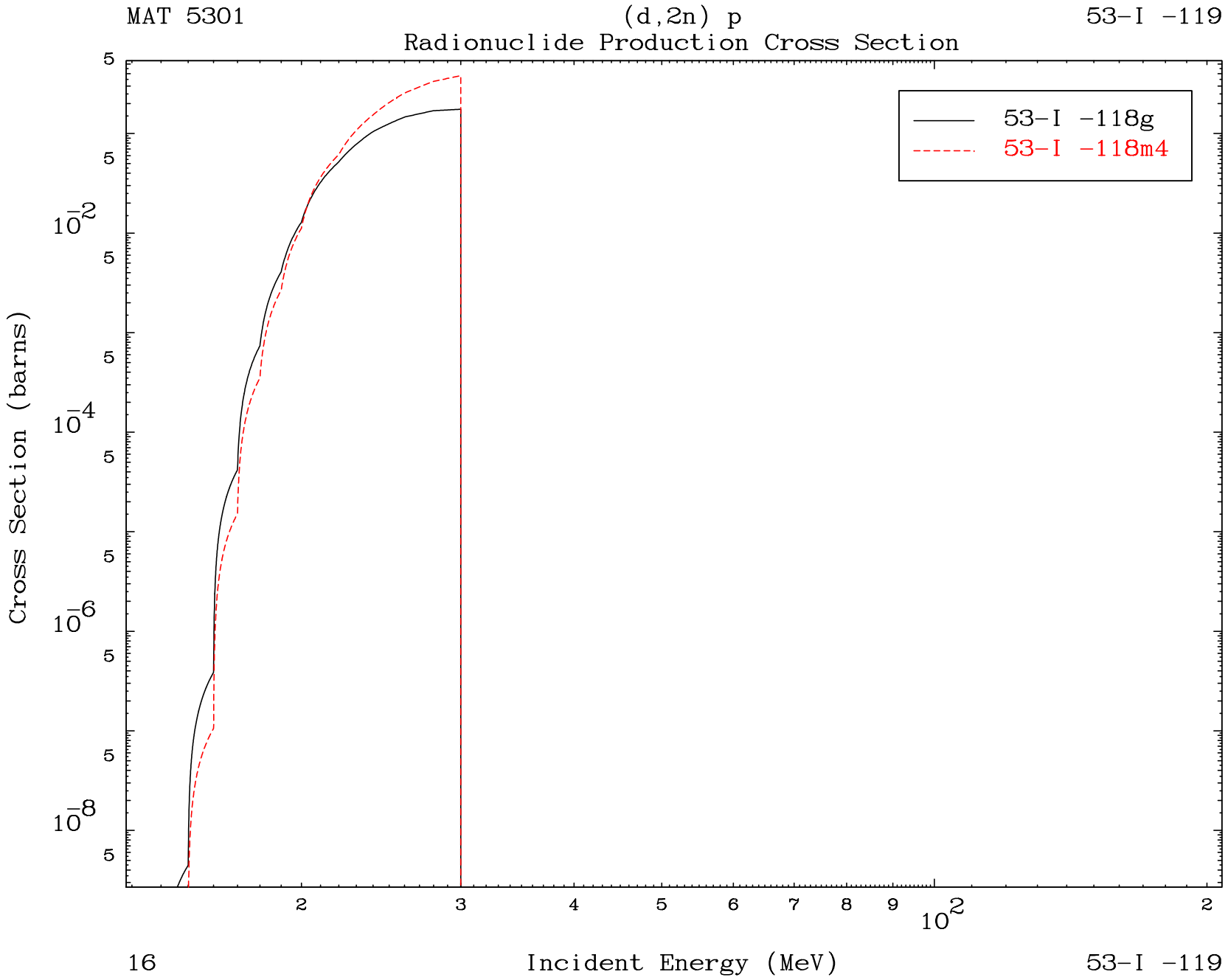

0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
5
10^{-4}
10^{-6}
10^{-8}
10^{-10}
10^{-10}
10^{-8}
10^{-6}
10^{-4}
10^{-2}
10^{0}
10^{2}

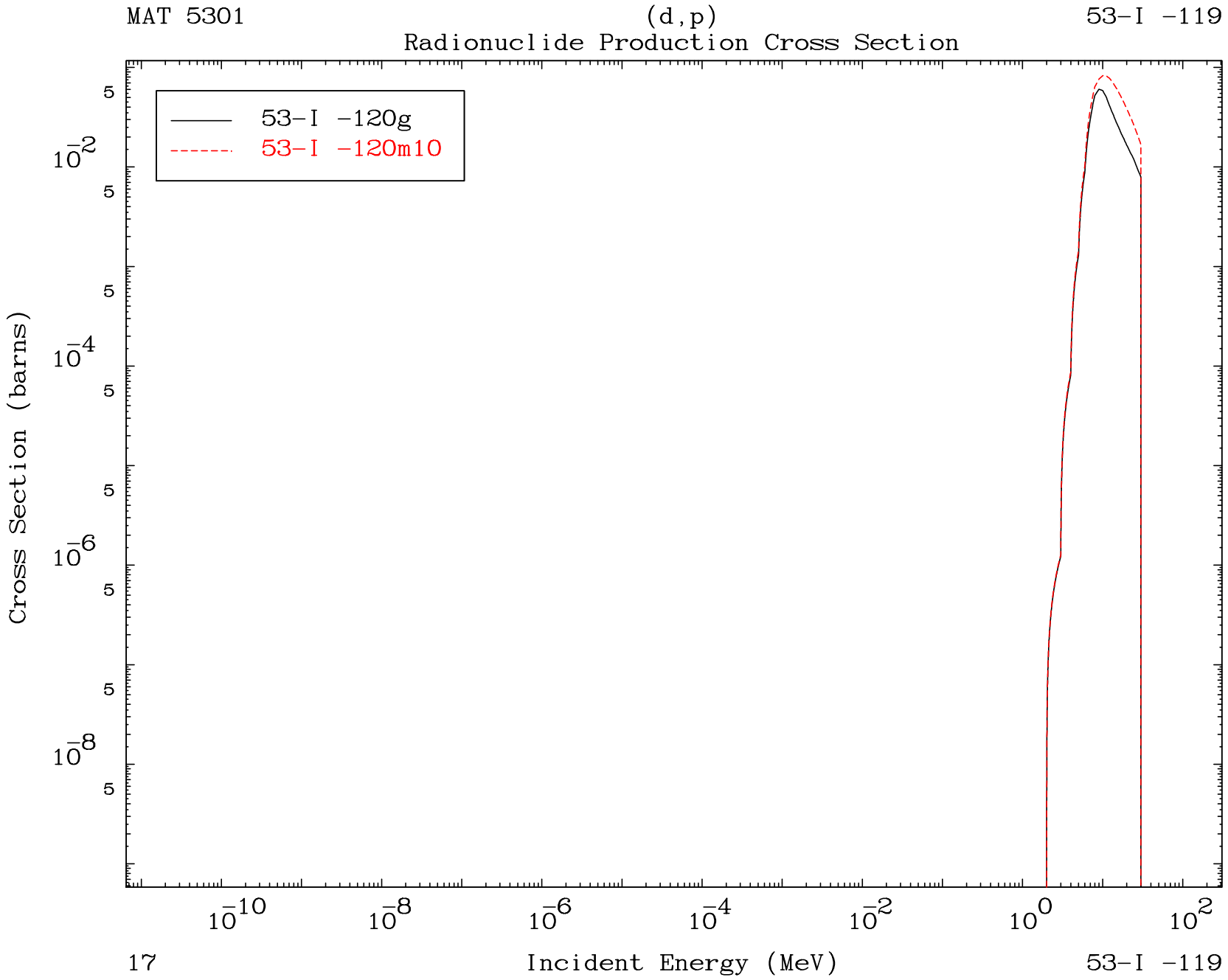

0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
10^-2
5
10^-4
5
10^-6
5
10^-8
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)

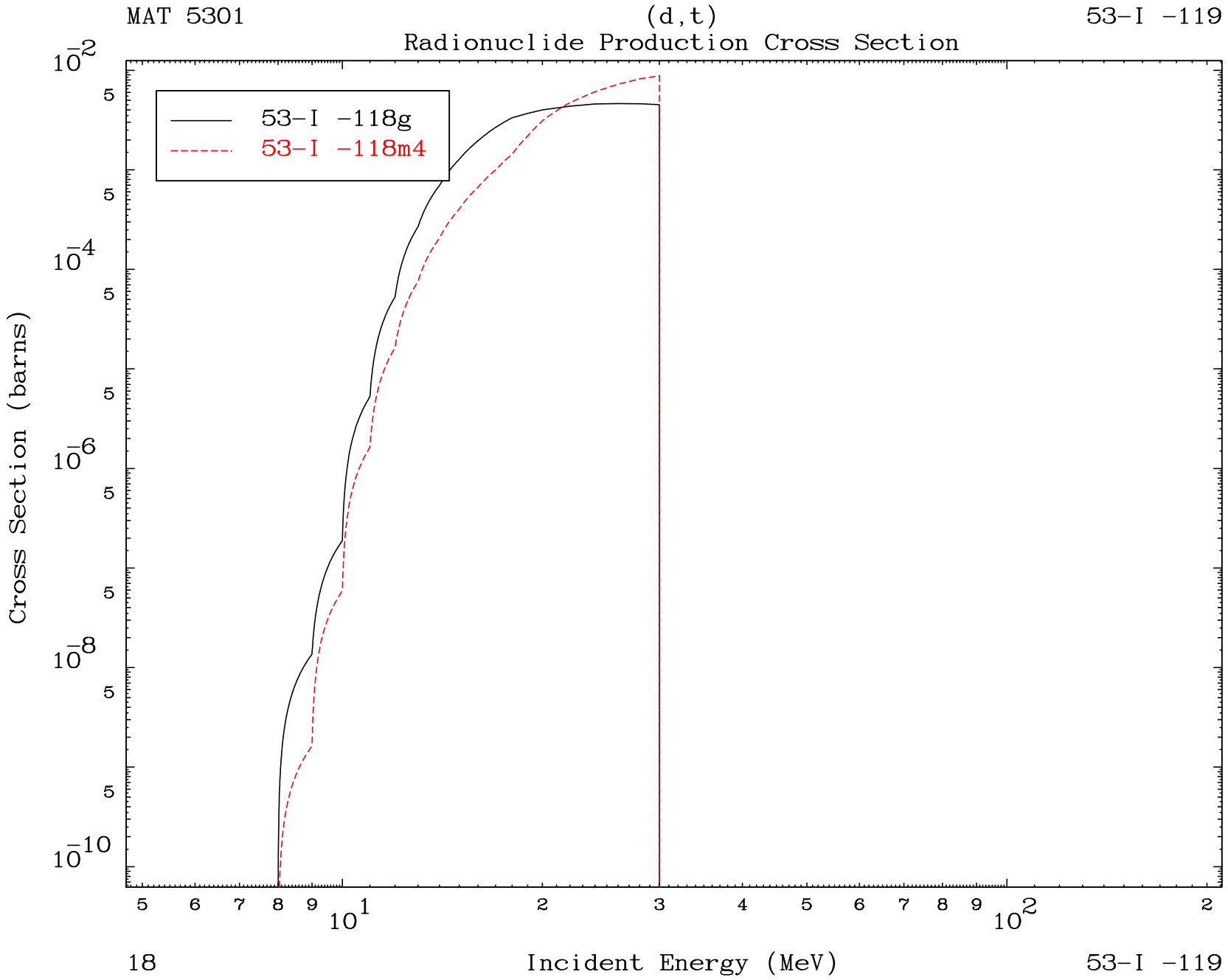

MAT 5301
(d,2n) α
53-I -119
Radionuclide Production Cross Section
52-Te-115g
52-Te-115m1
Cross Section (barns)
Incident Energy (MeV)
13
53-I -119

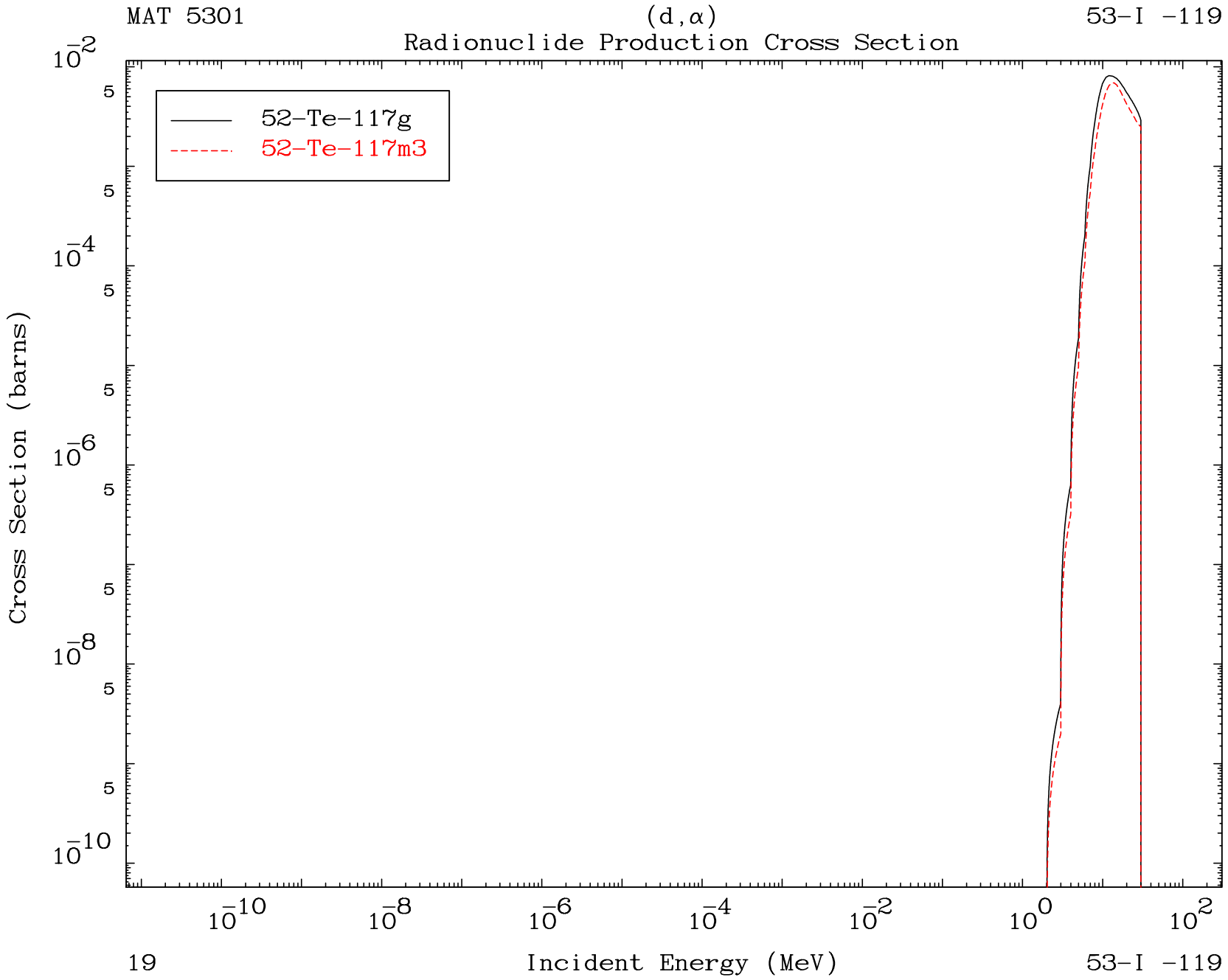

MAT 5301
(d,n') d
53-I -119
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
53-I -119

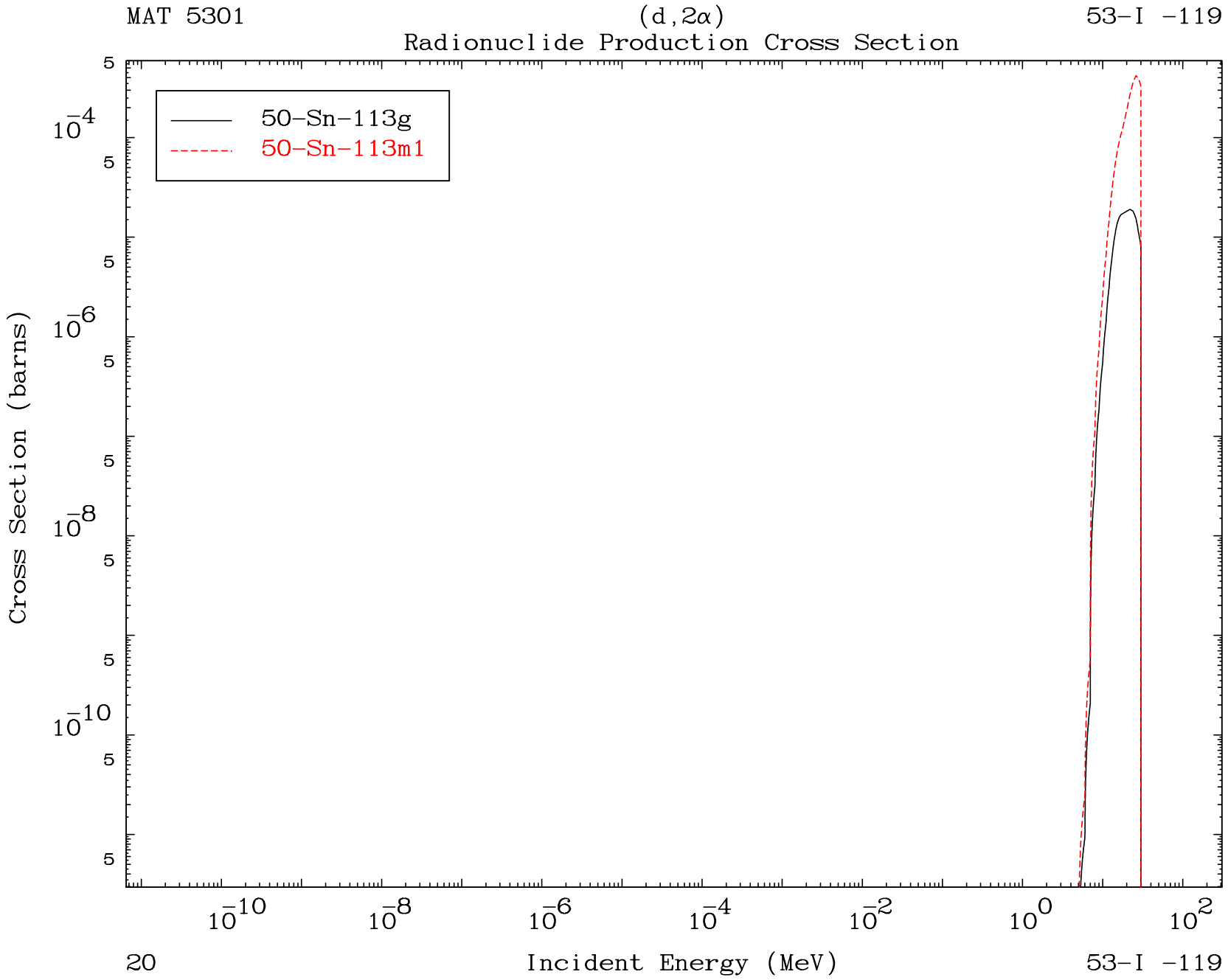

MAT 5301
(d,n') He-3
53-I -119
Radionuclide Production Cross Section
52-Te-117g
52-Te-117m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
15
53-I -119

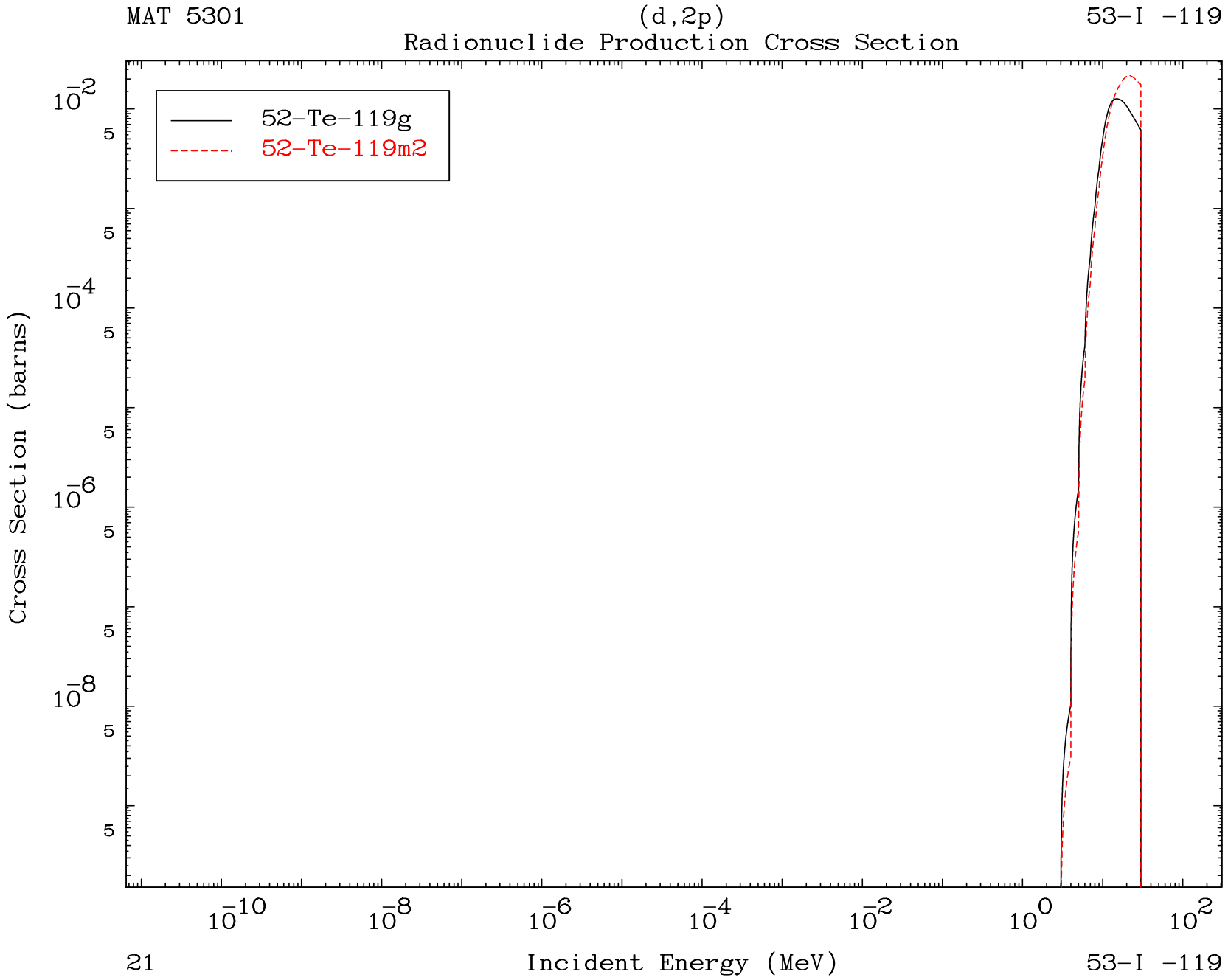

MAT 5301
(d,2n) p
53-I -119
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
Incident Energy (MeV)
16
53-I -119

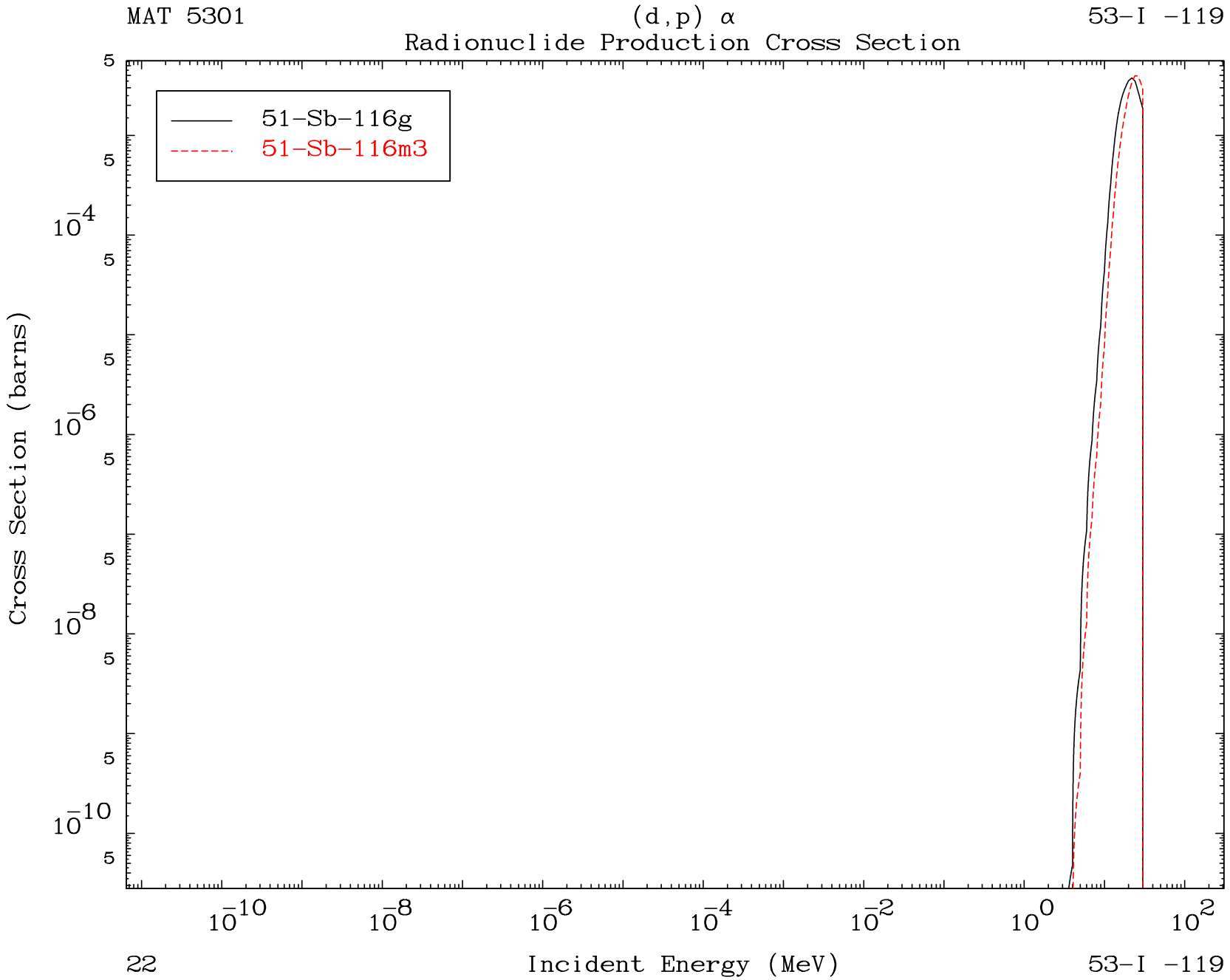

MAT 5301
(d,p)
53-I -119
Radionuclide Production Cross Section
53-I -120g
53-I -120m10
Cross Section (barns)
Incident Energy (MeV)
17
53-I -119

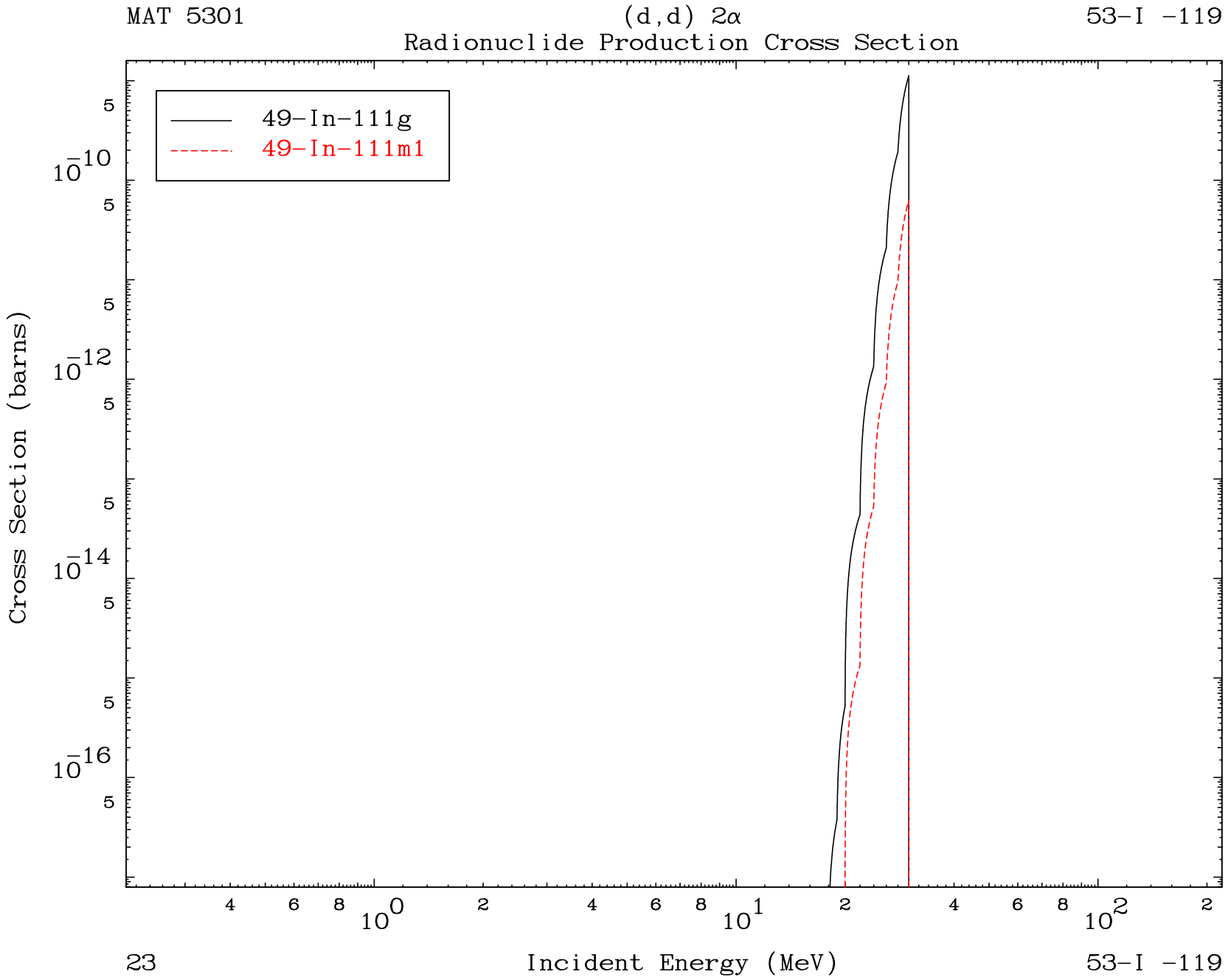

MAT 5301
(d,t)
53-I -119
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
Incident Energy (MeV)
18
53-I -119

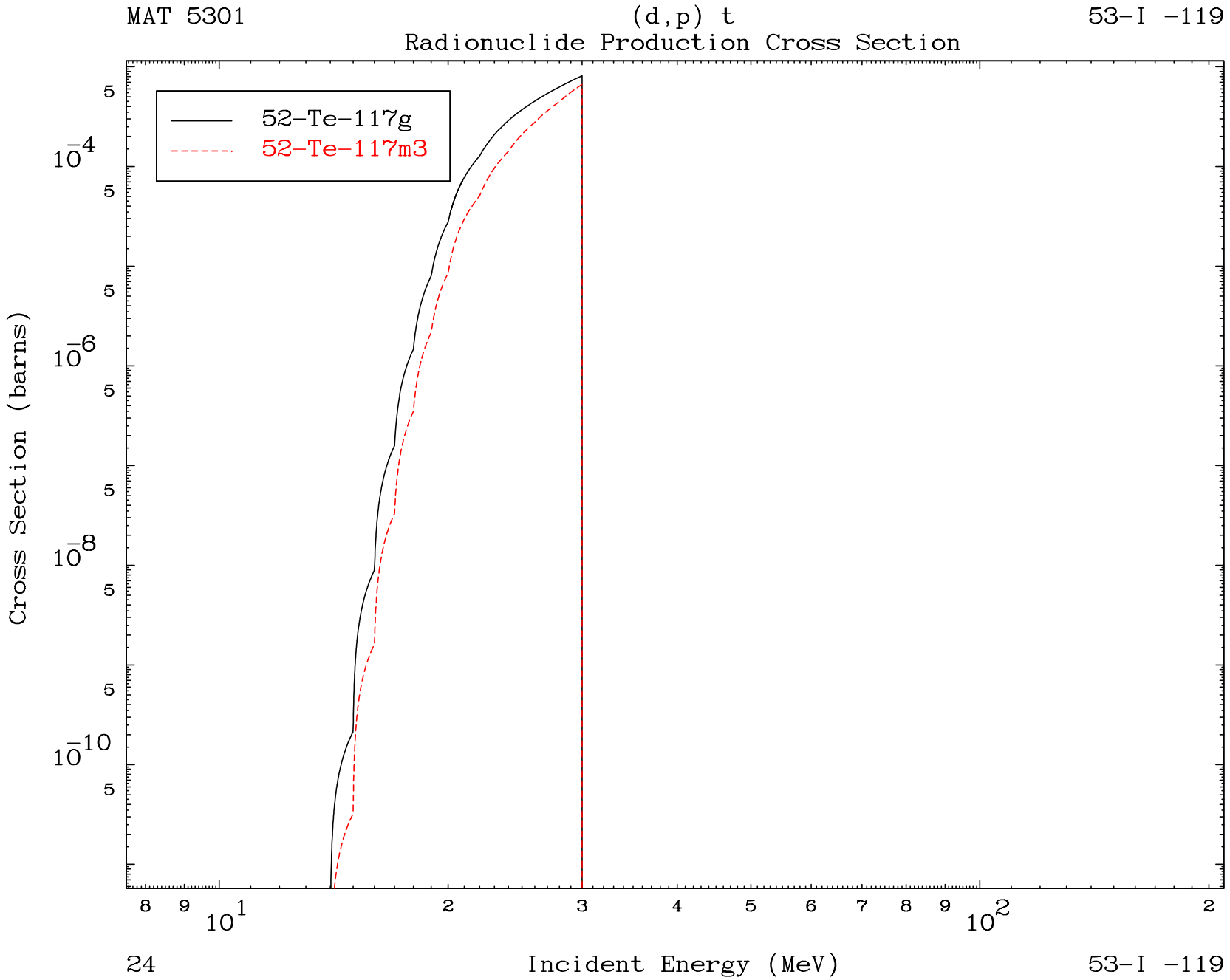

MAT 5301
(d,α)
53-I -119
Radionuclide Production Cross Section
52-Te-117g
52-Te-117m3
Cross Section (barns)
Incident Energy (MeV)
19
53-I -119


MAT 5301
(d,2α)
53-I -119
Radionuclide Production Cross Section
50-Sn-113g
50-Sn-113m1
Cross Section (barns)
Incident Energy (MeV)
20
53-I -119


MAT 5301
(d,2p)
53-I -119
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
21
53-I -119


MAT 5301
(d,p) α
53-I -119
Radionuclide Production Cross Section
51-Sb-116g
51-Sb-116m3
Cross Section (barns)
Incident Energy (MeV)
22
53-I -119


MAT 5301
(d,d) 2α
53-I -119
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
10-10
10-12
10-14
10-16
100
101
102
Incident Energy (MeV)
23
53-I -119


MAT 5301
(d,p) t
53-I -119
Radionuclide Production Cross Section
52-Te-117g
52-Te-117m3
Cross Section (barns)
Incident Energy (MeV)
24
53-I -119