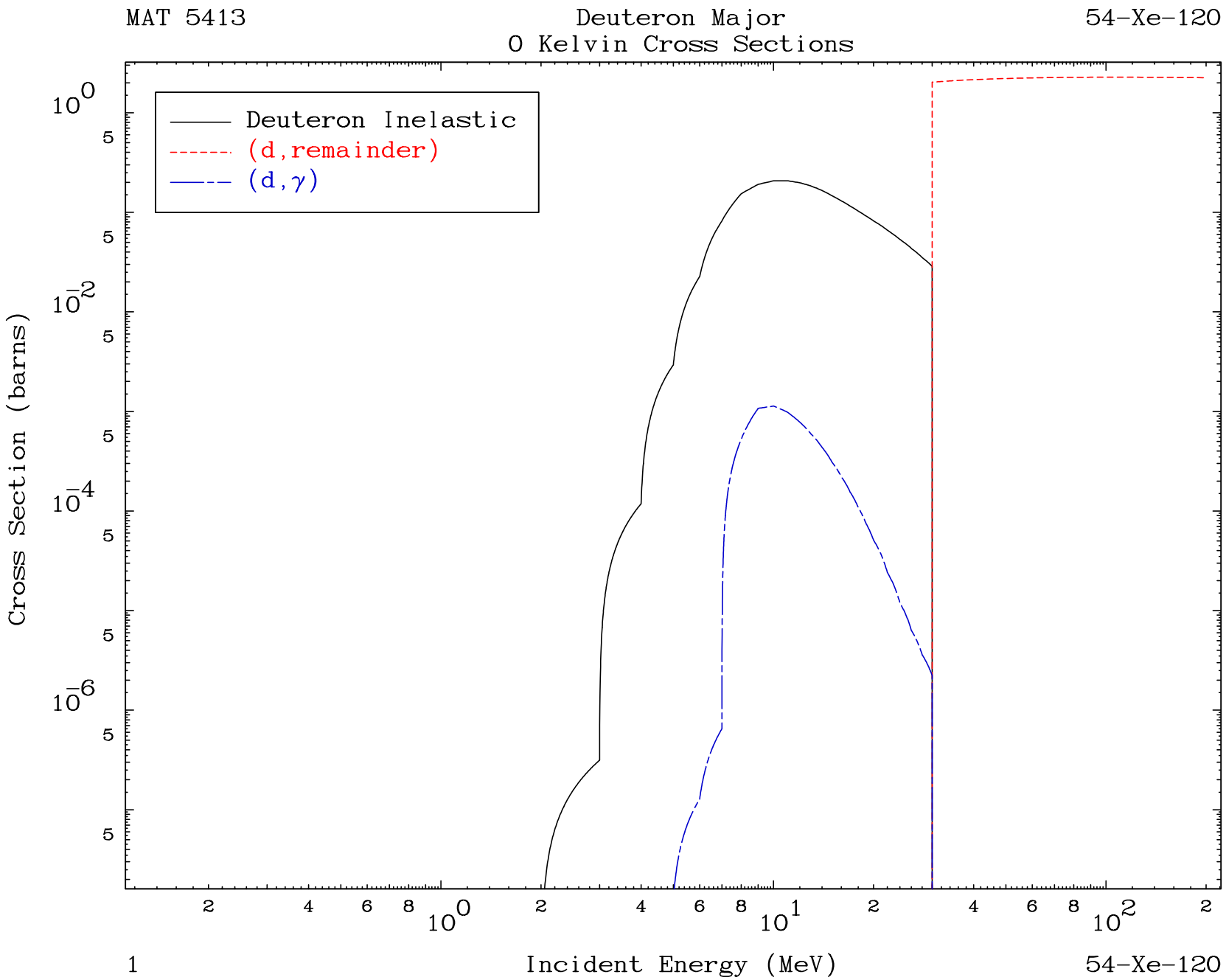
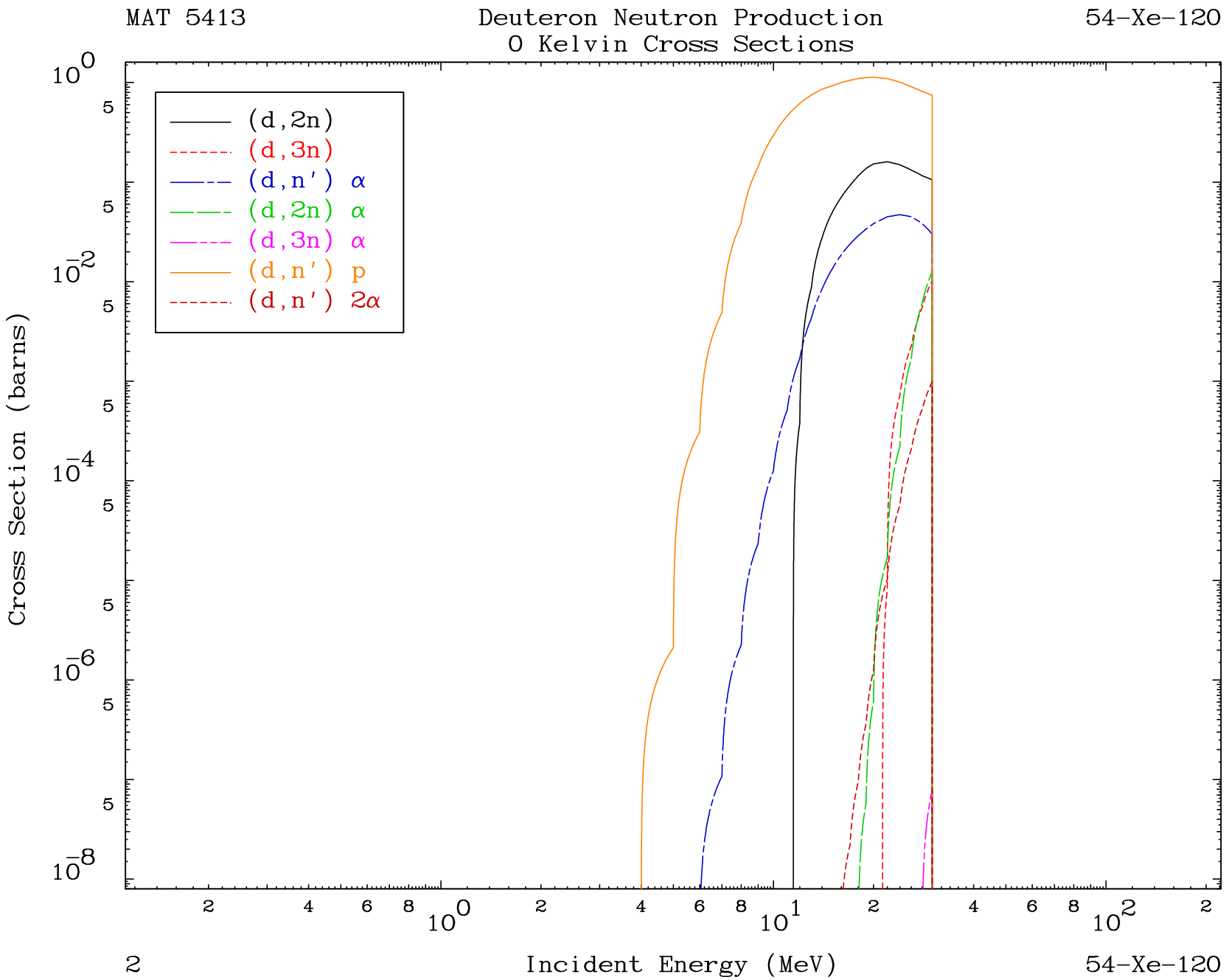
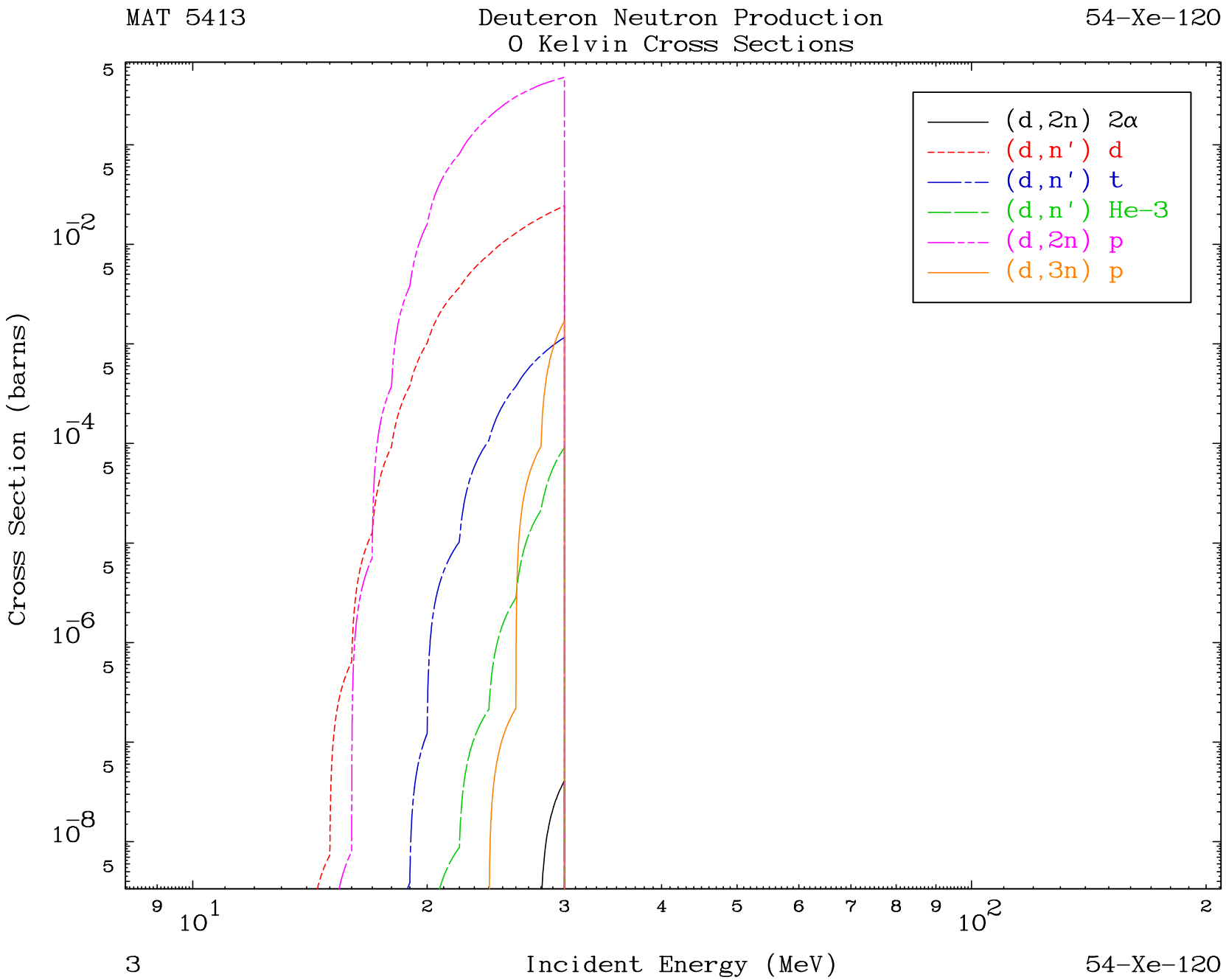
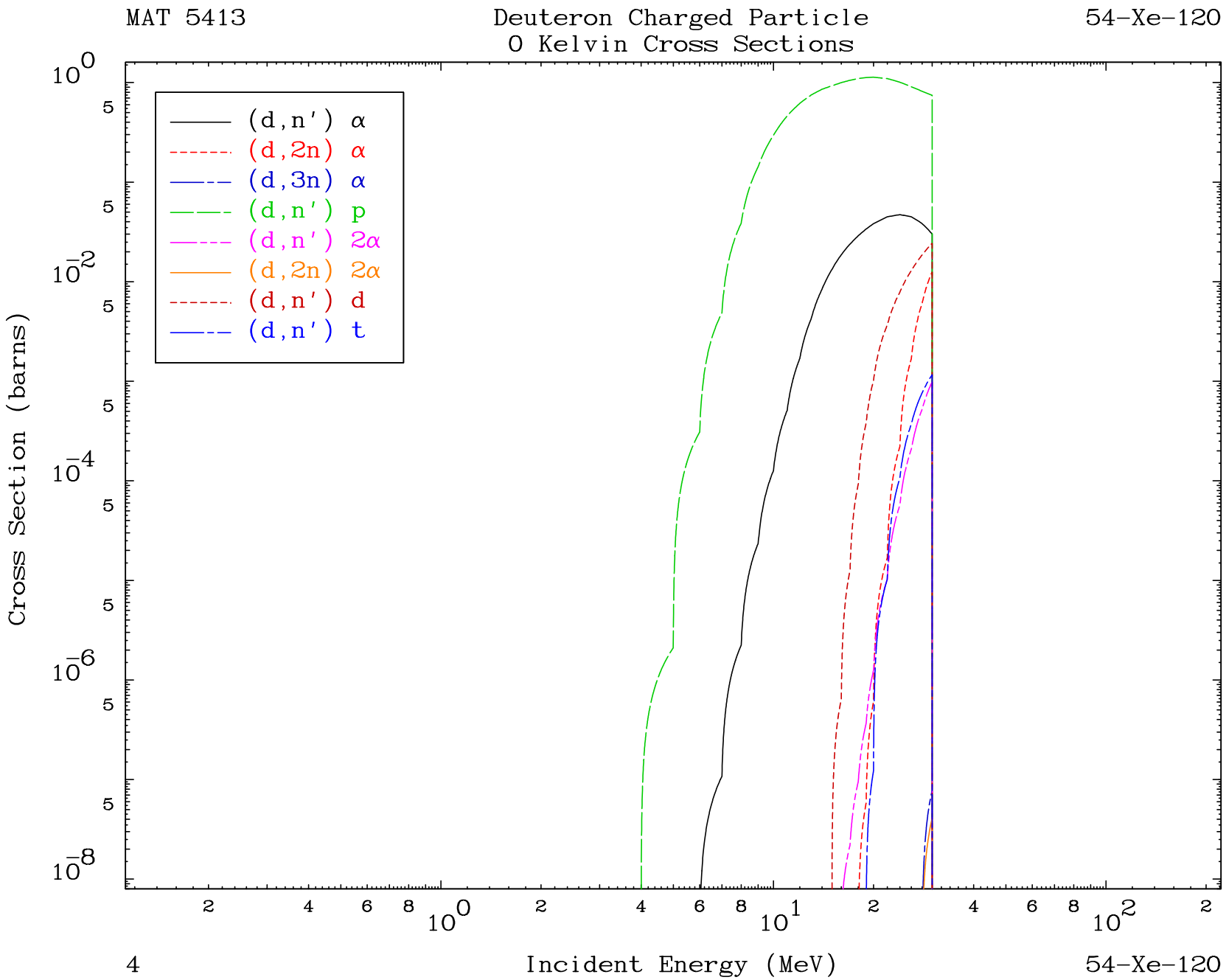
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

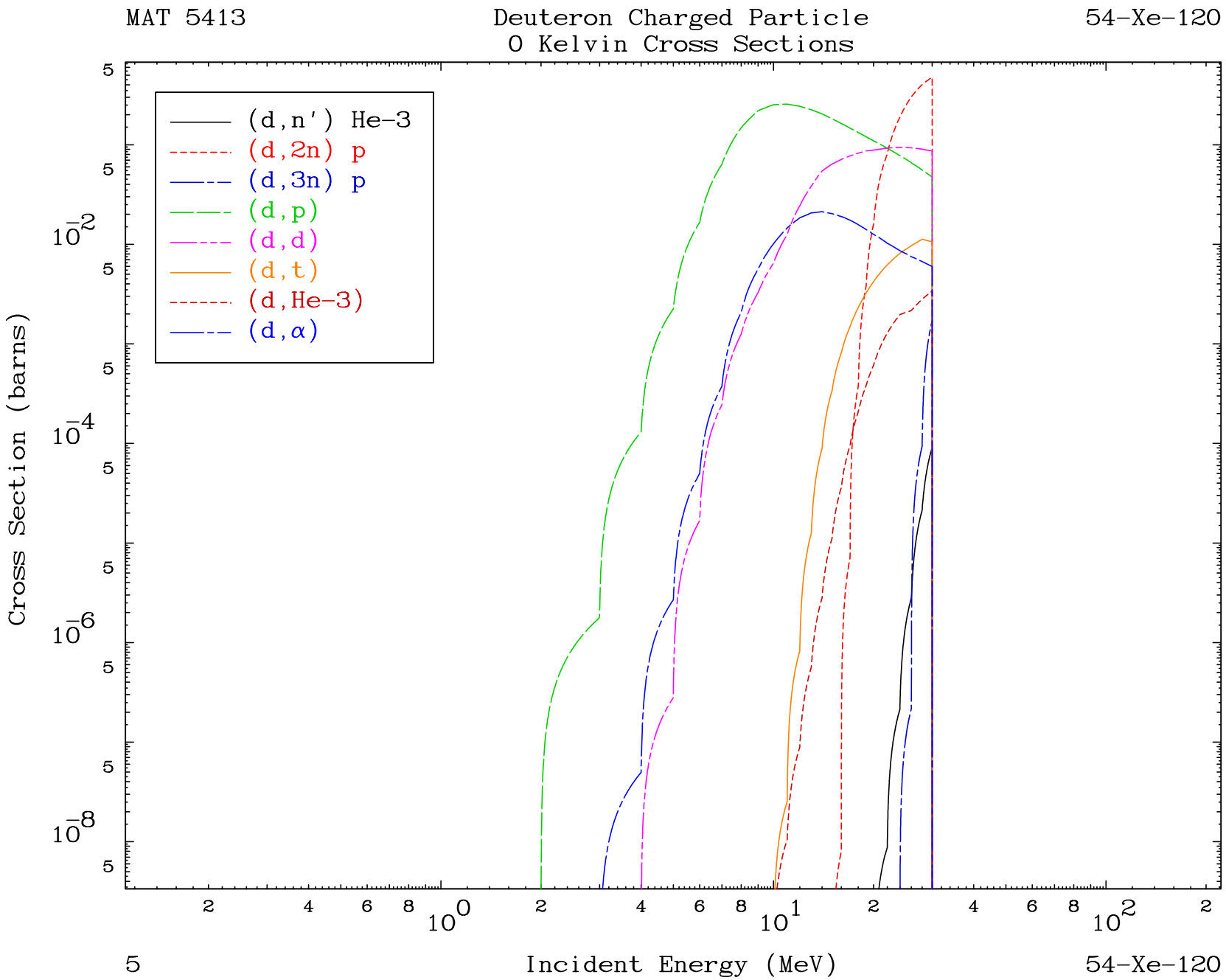
Press Mouse Button to Start

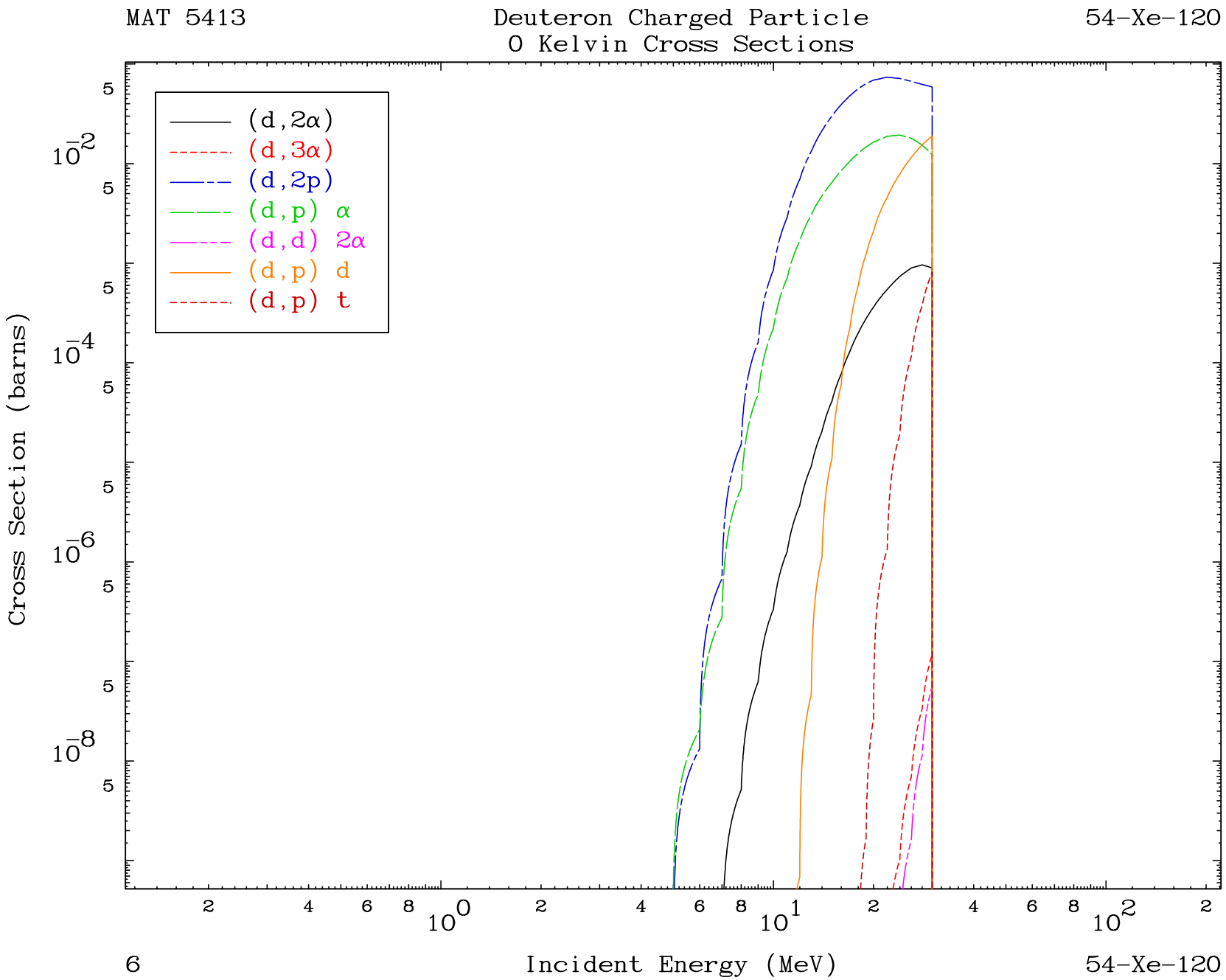

MAT 5413
Deuteron Major
54-Xe-120
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
54-Xe-120
1

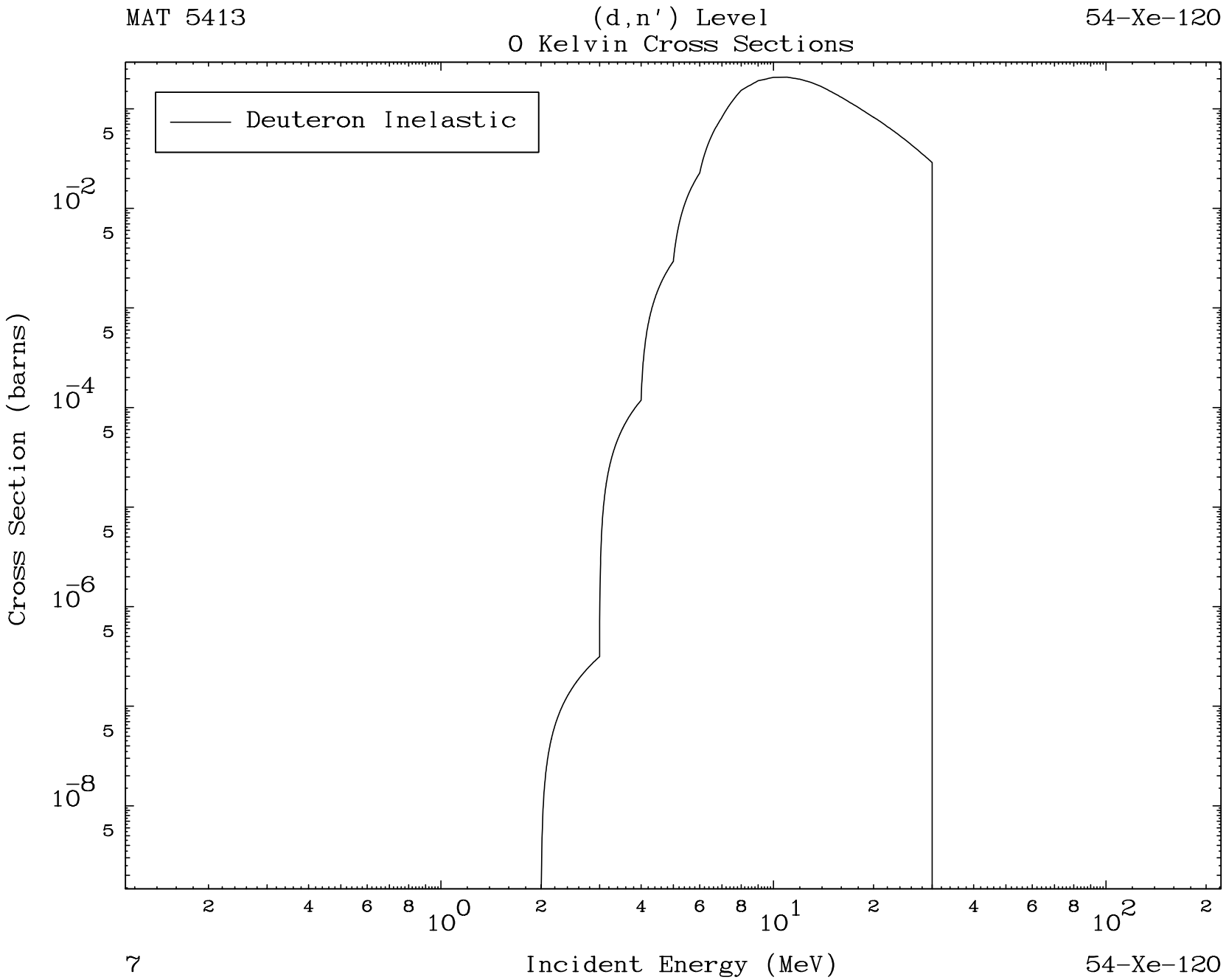

MAT 5413
Deuteron Neutron Production
0 Kelvin Cross Sections
54-Xe-120
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
Cross Section (barns)
Incident Energy (MeV)
54-Xe-120
2

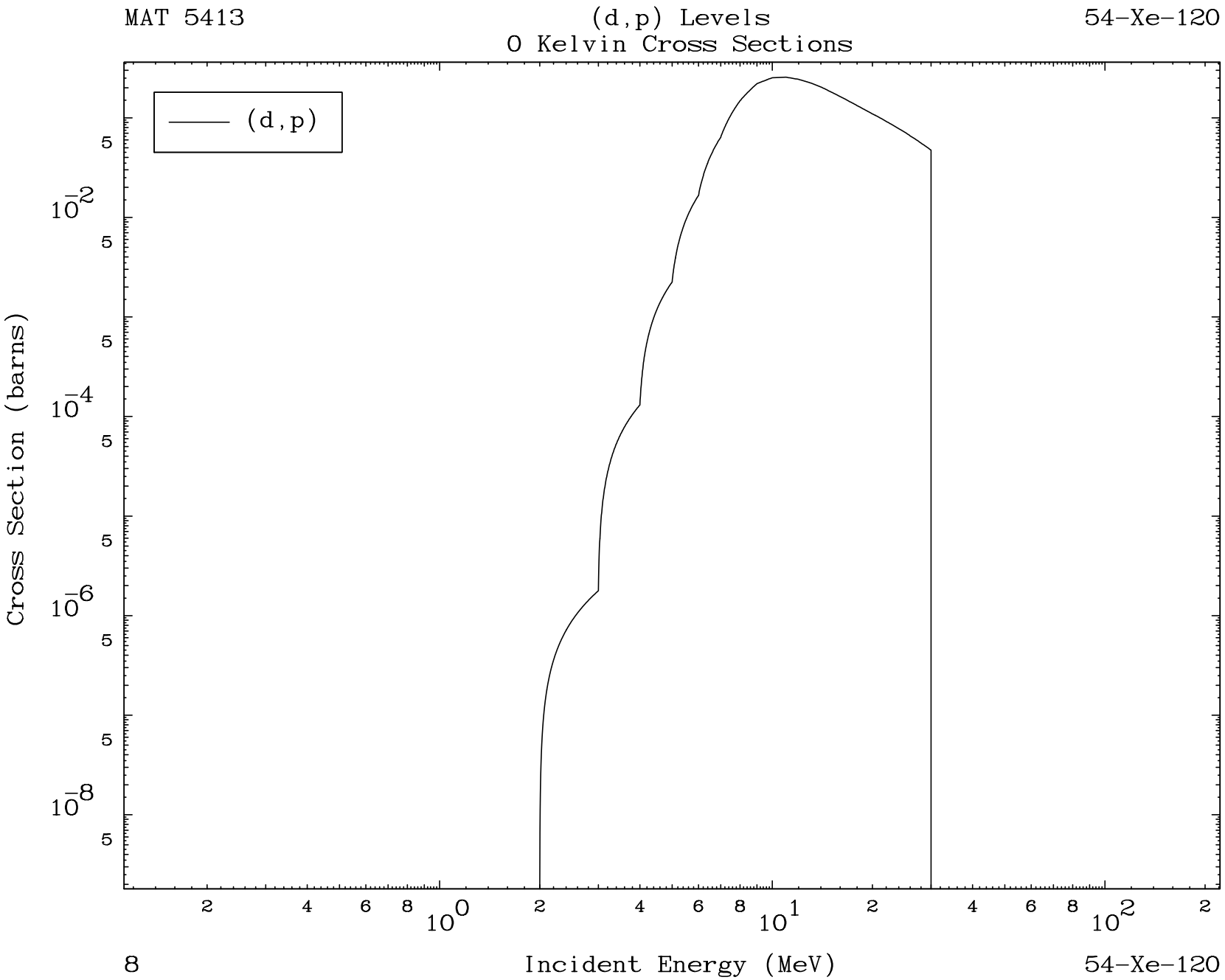

MAT 5413
Deuteron Neutron Production
0 Kelvin Cross Sections
54-Xe-120
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
54-Xe-120
3

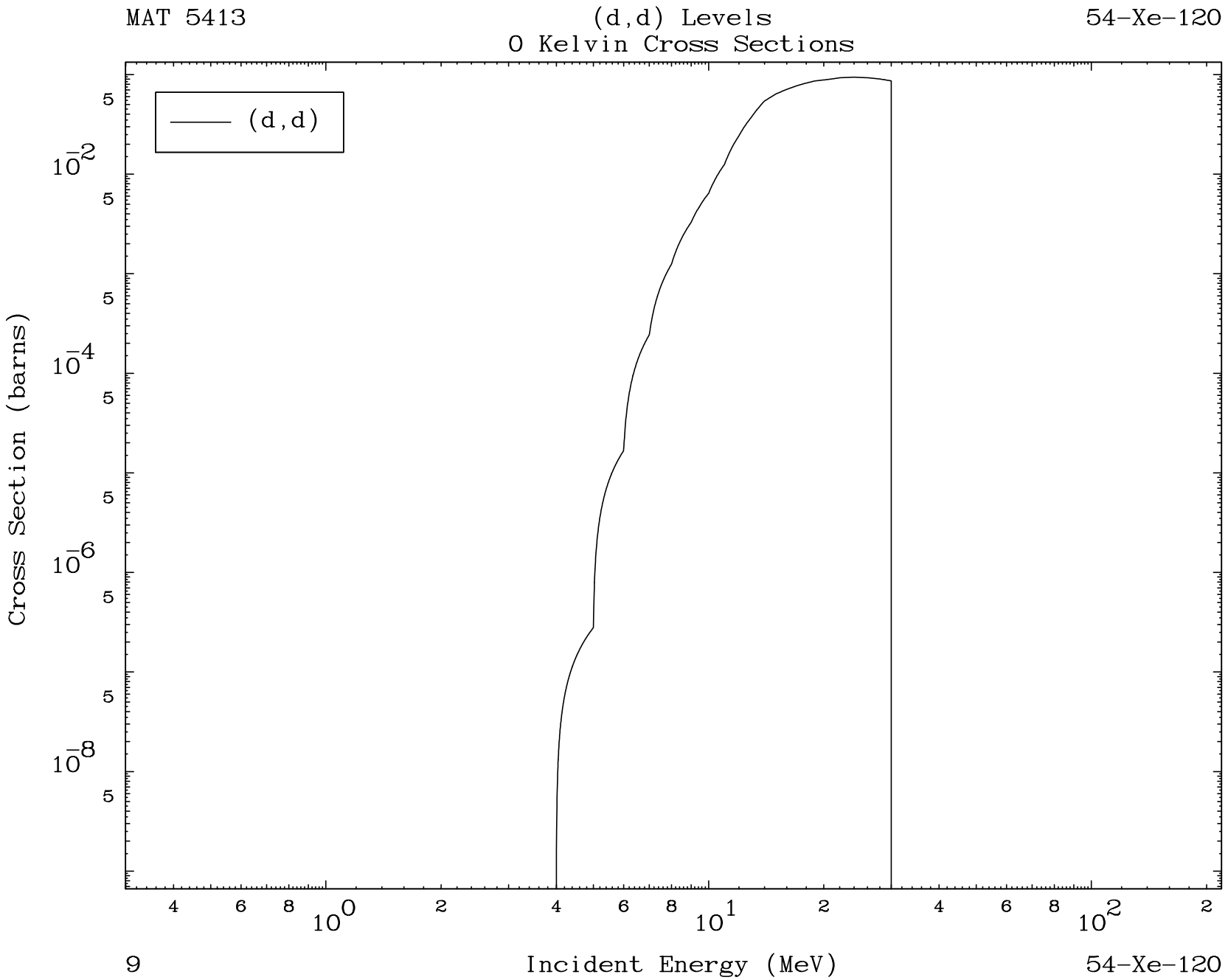

MAT 5413
Deuteron Charged Particle
0 Kelvin Cross Sections
54-Xe-120
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,2n) 2α
(d,n') d
(d,n') t
Cross Section (barns)
Incident Energy (MeV)
4
54-Xe-120

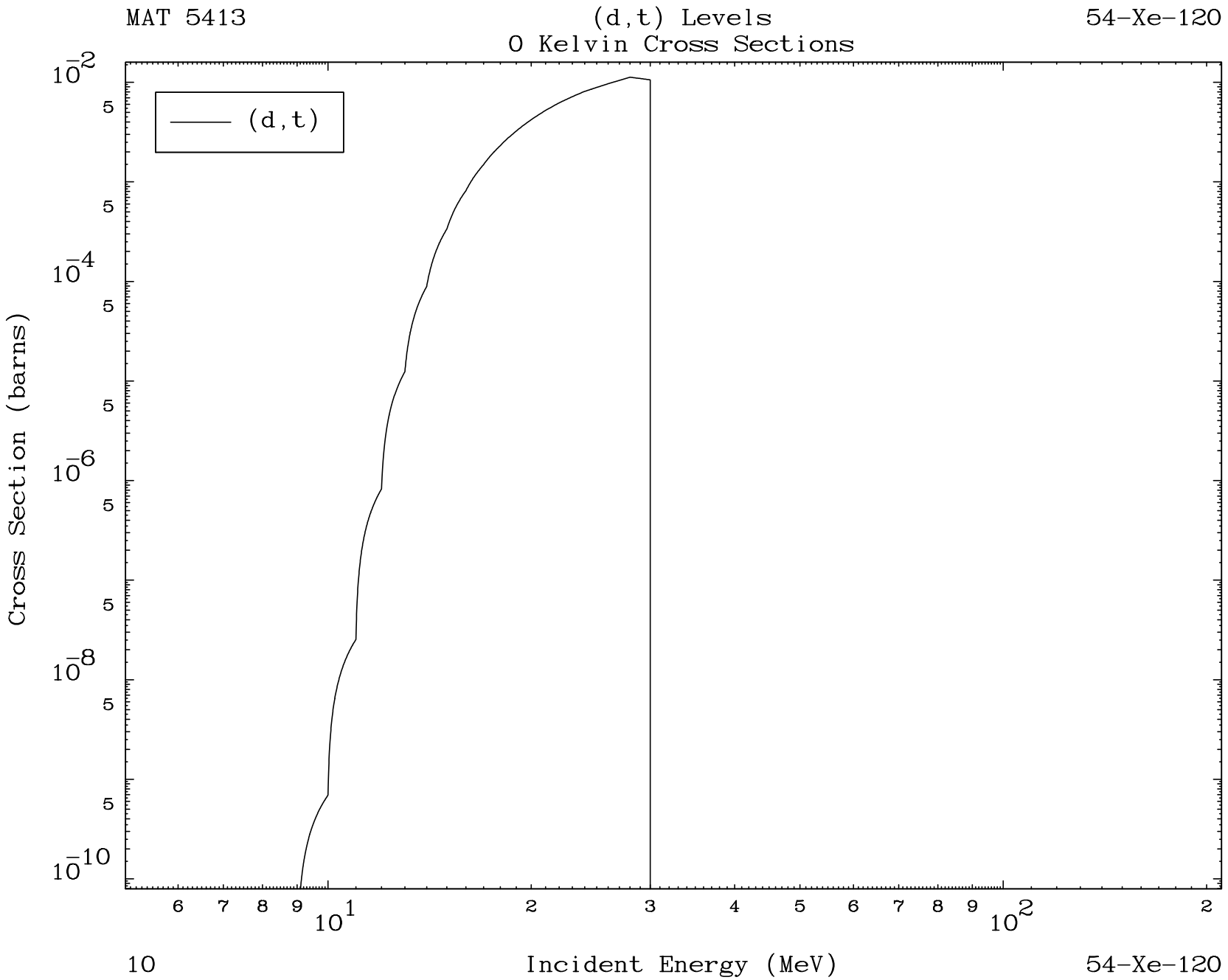

MAT 5413
Deuteron Charged Particle
0 Kelvin Cross Sections
54-Xe-120
(d,n') He-3
(d,2n) p
(d,3n) p
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
Cross Section (barns)
Incident Energy (MeV)
54-Xe-120

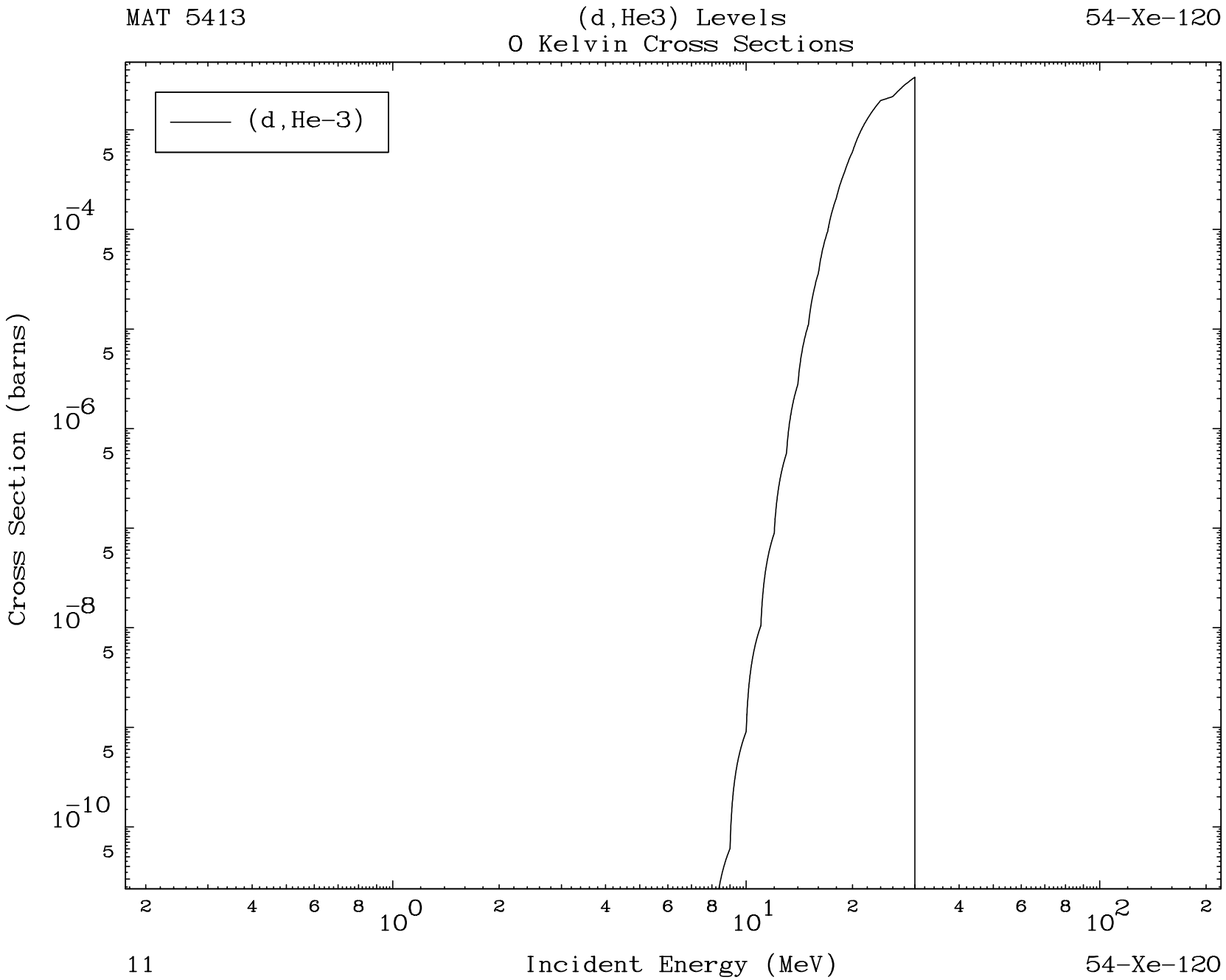

MAT 5413
Deuteron Charged Particle
0 Kelvin Cross Sections
54-Xe-120
(d,2α)
(d,3α)
(d,2p)
(d,p) α
(d,d) 2α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
6
54-Xe-120

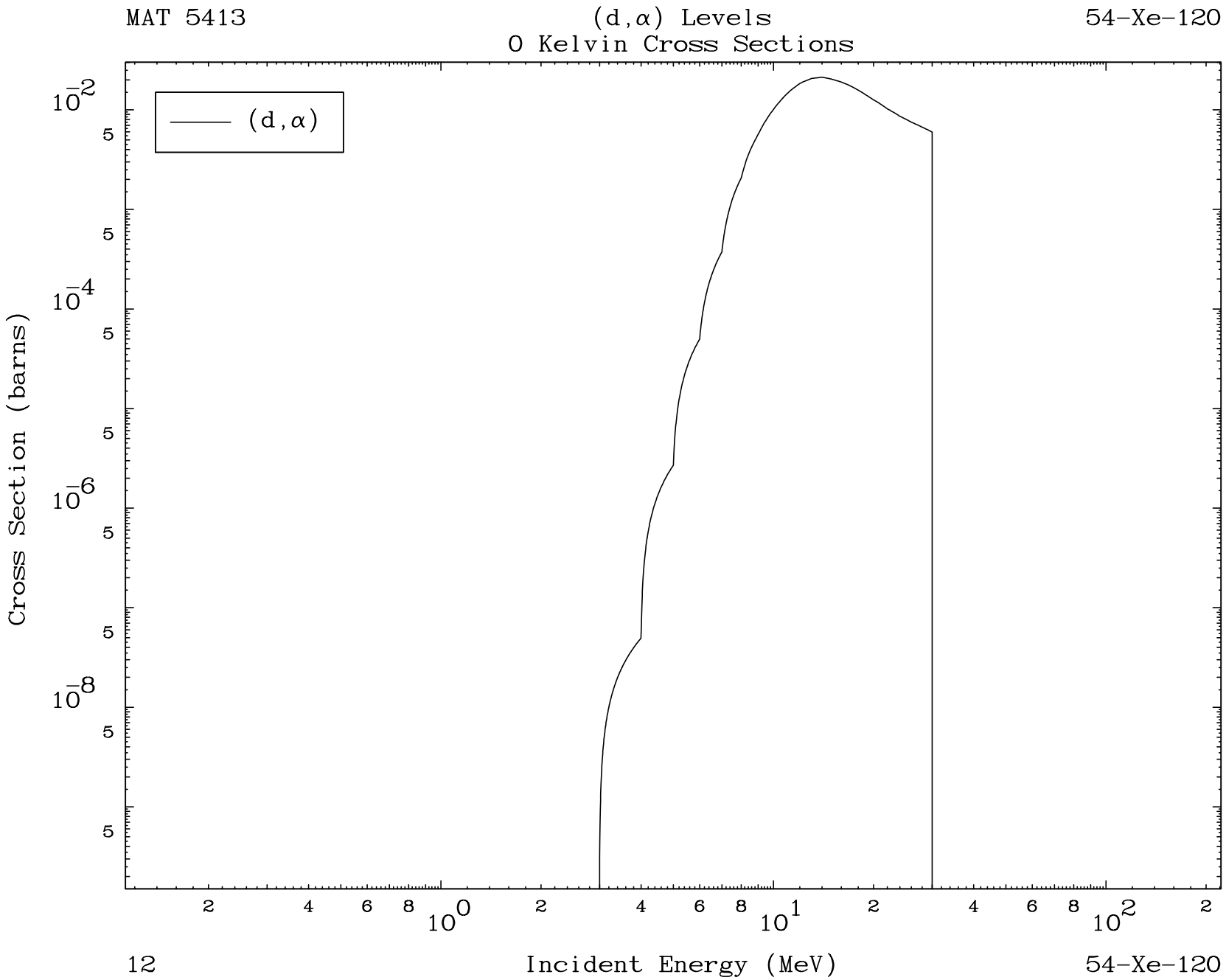

MAT 5413
(d,n') Level
54-Xe-120
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
7
54-Xe-120

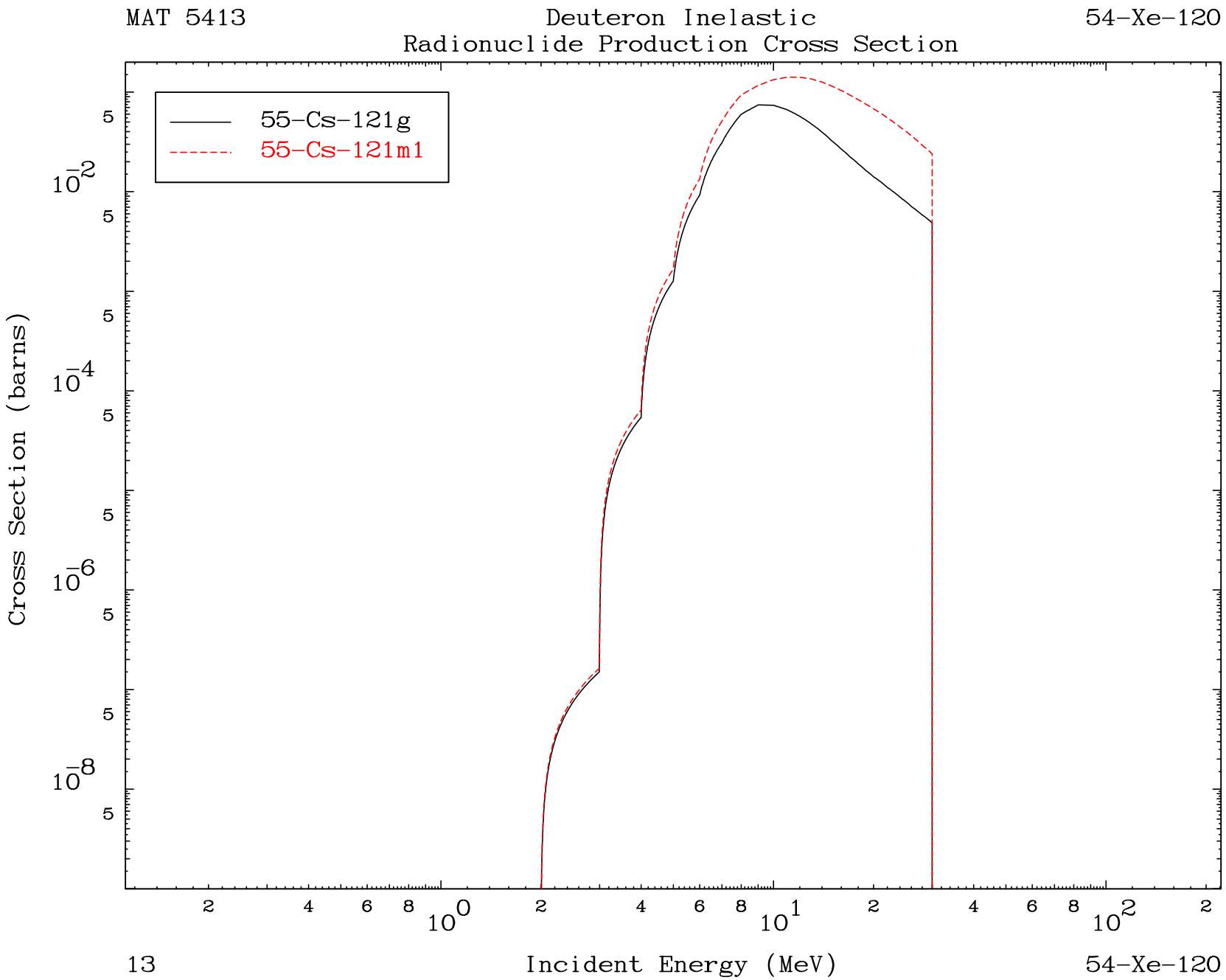

MAT 5413
(d,p) Levels
54-Xe-120
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
8
54-Xe-120

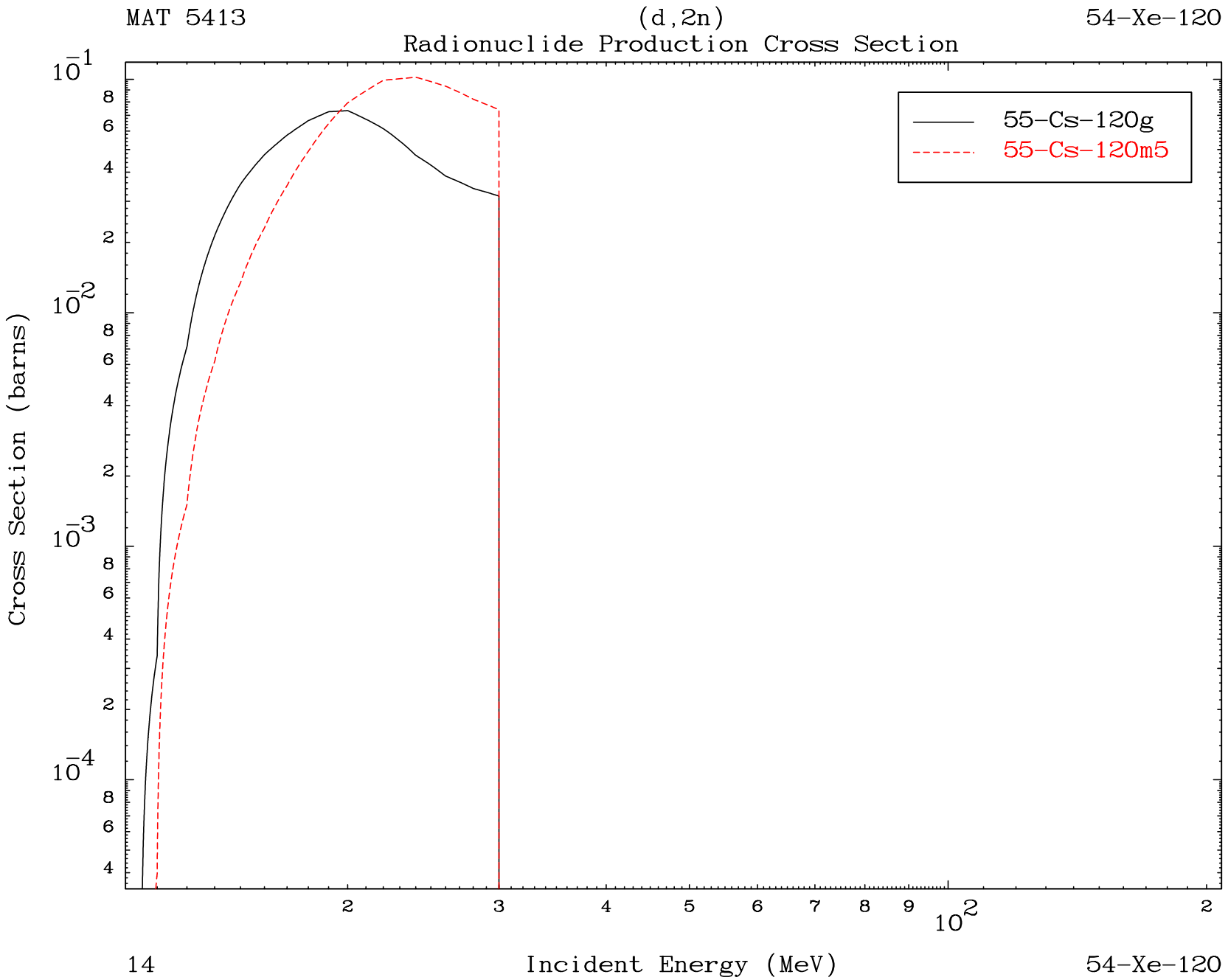

MAT 5413
(d,d) Levels
54-Xe-120
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
9
54-Xe-120

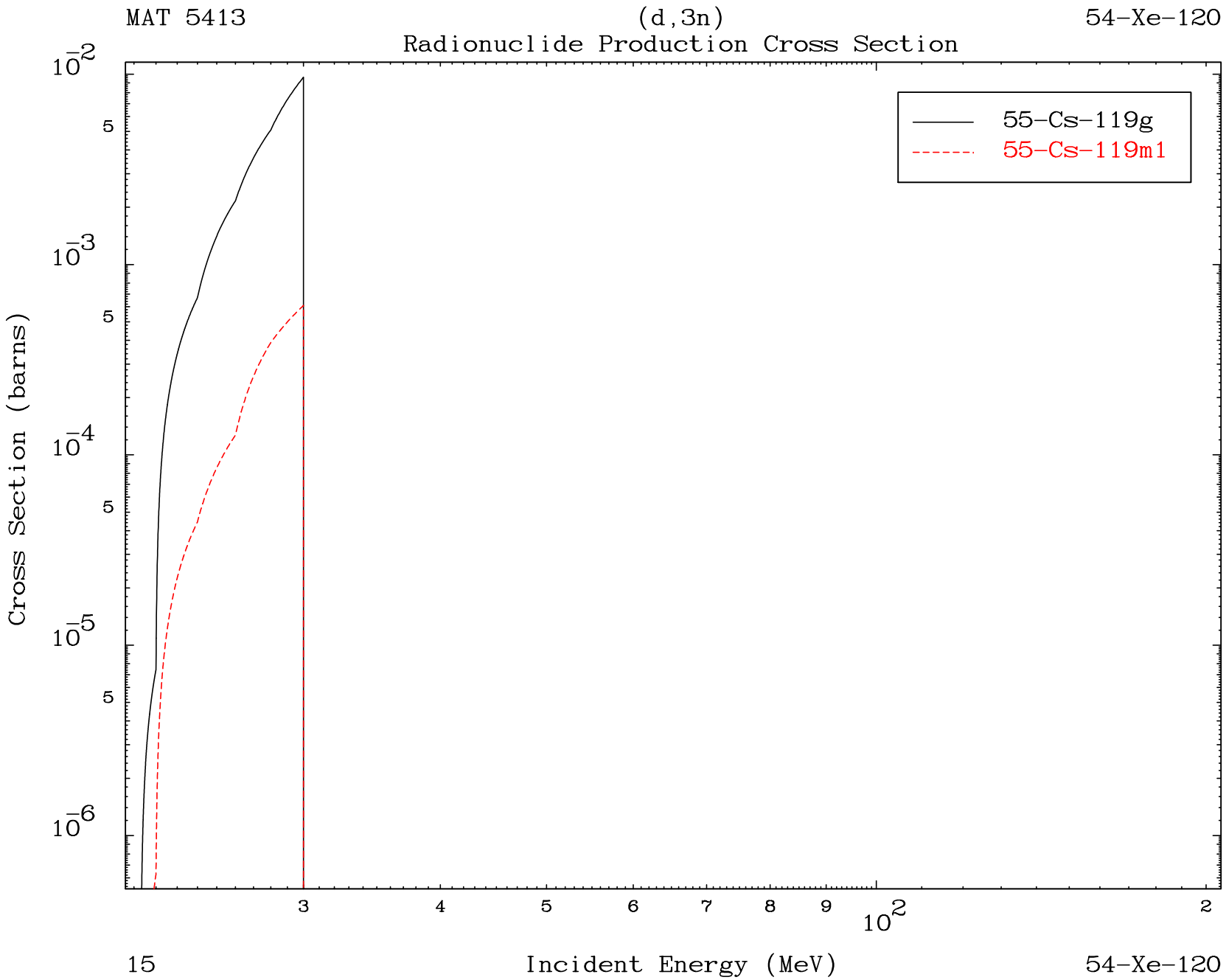

MAT 5413
(d,t) Levels
54-Xe-120
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
10
54-Xe-120

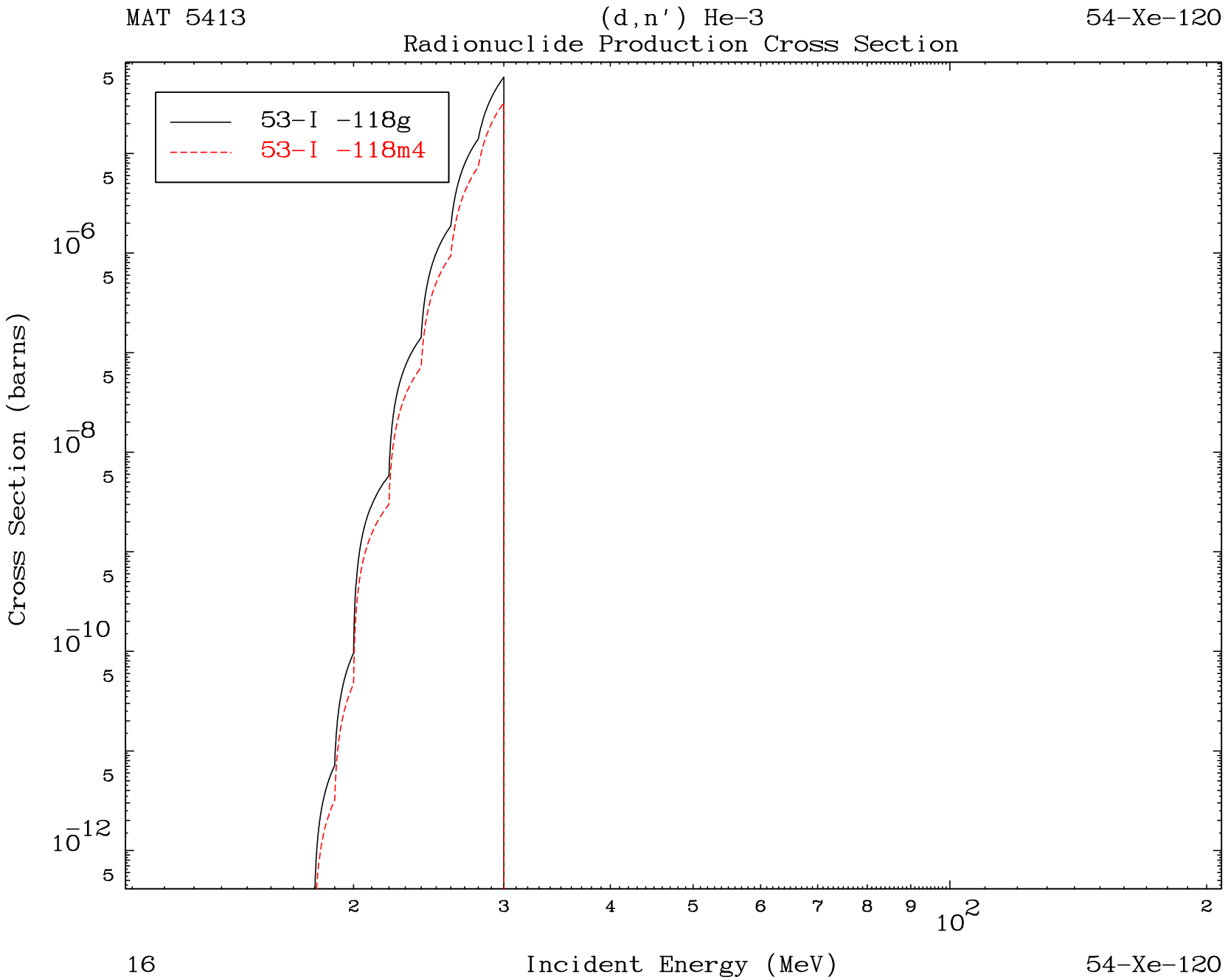

MAT 5413
(d,He3) Levels
54-Xe-120
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
54-Xe-120

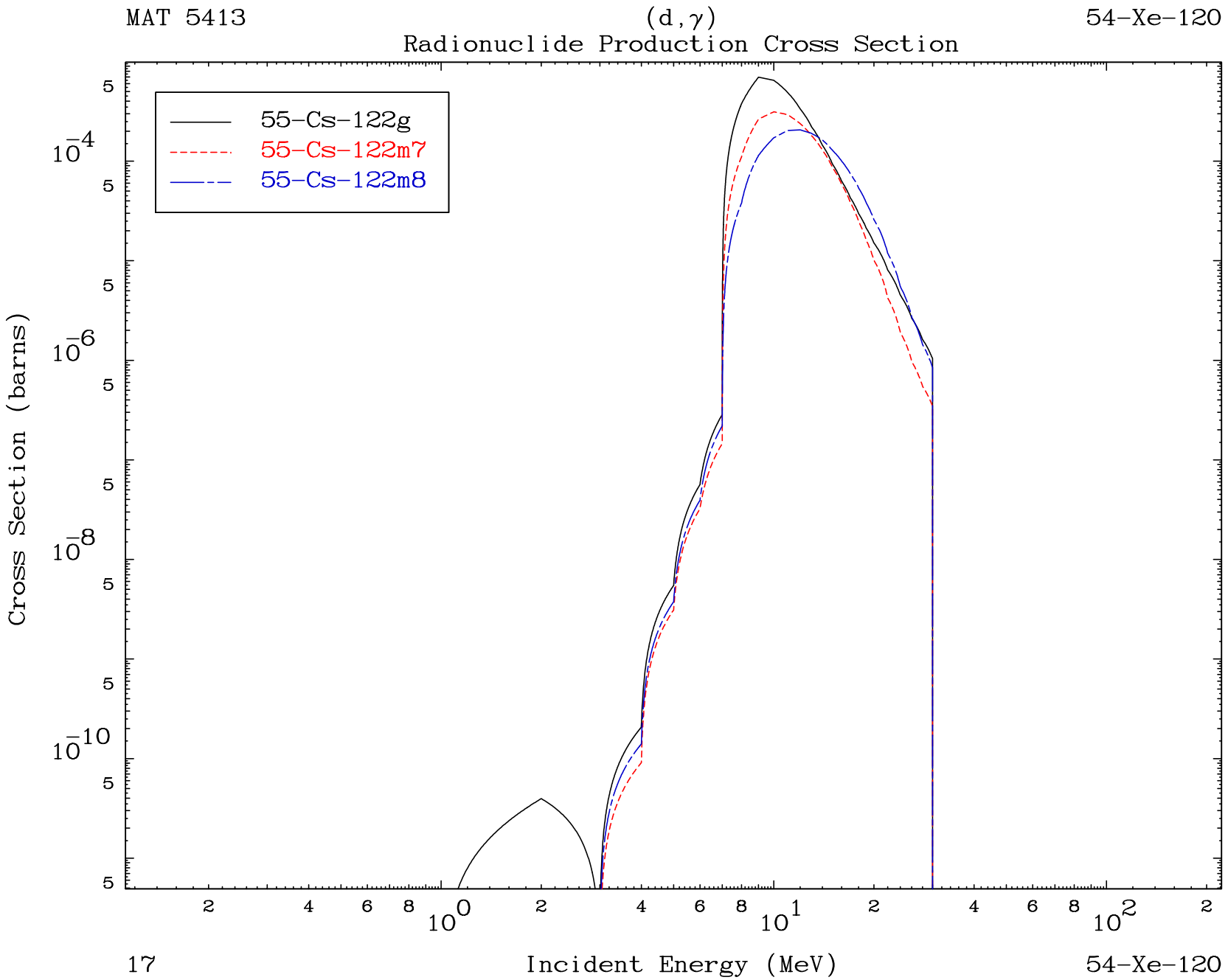

MAT 5413
(d,α) Levels
54-Xe-120
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
Incident Energy (MeV)
12
54-Xe-120

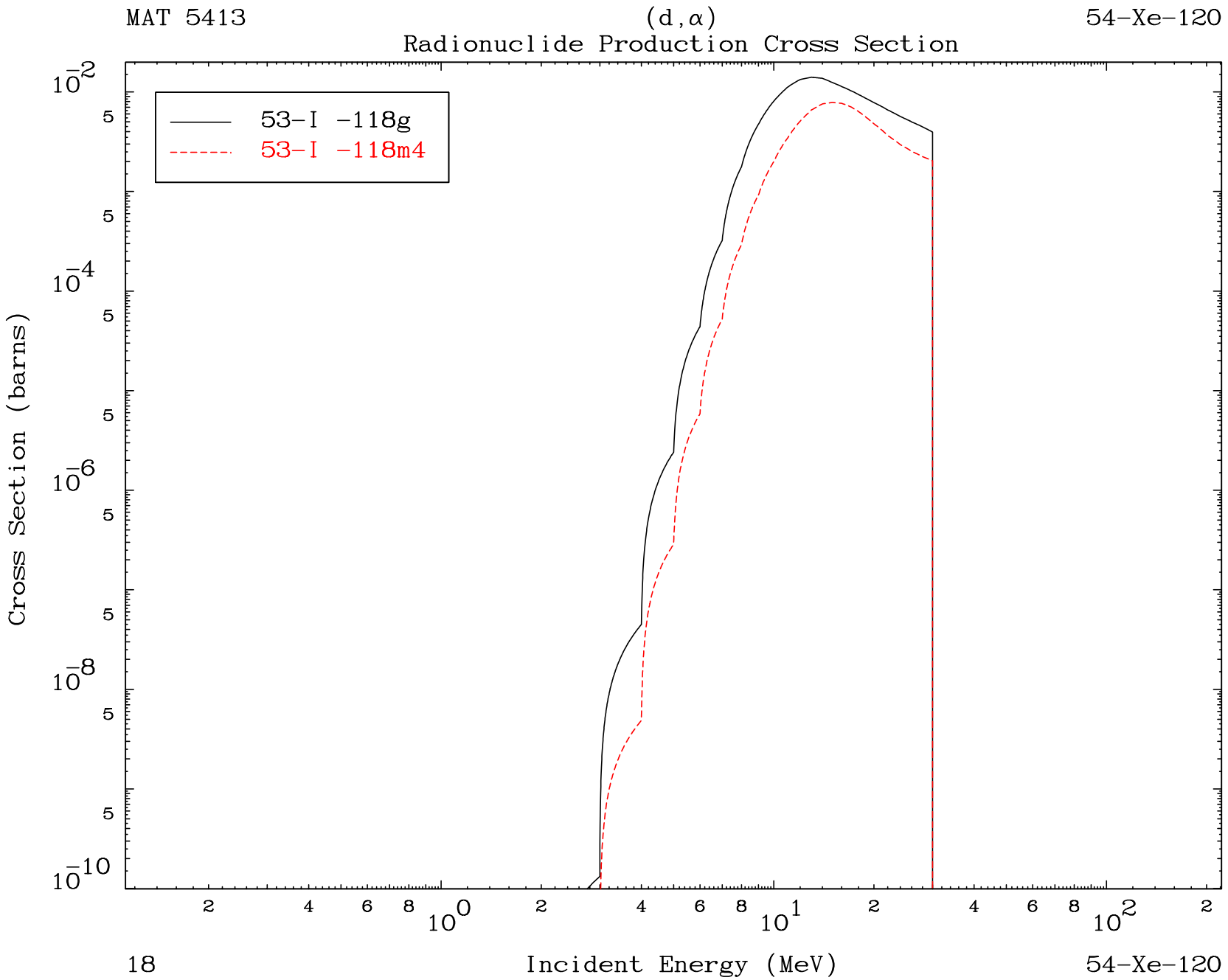

MAT 5413
Deuteron Inelastic
54-Xe-120
Radionuclide Production Cross Section
55-Cs-121g
55-Cs-121m1
Cross Section (barns)
Incident Energy (MeV)
13
54-Xe-120

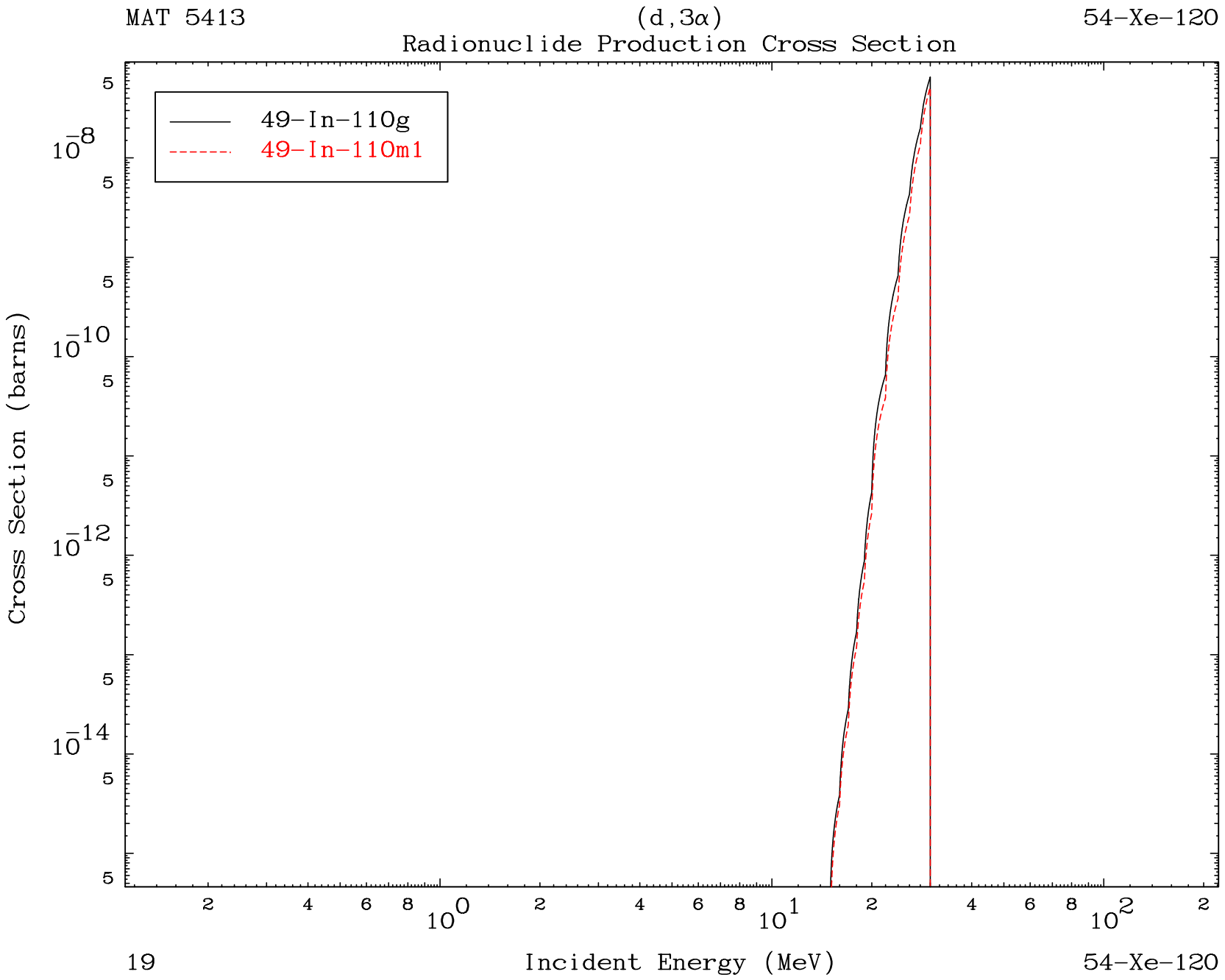

MAT 5413
(d,2n)
54-Xe-120
Radionuclide Production Cross Section
55-Cs-120g
55-Cs-120m5
Cross Section (barns)
Incident Energy (MeV)
14
54-Xe-120

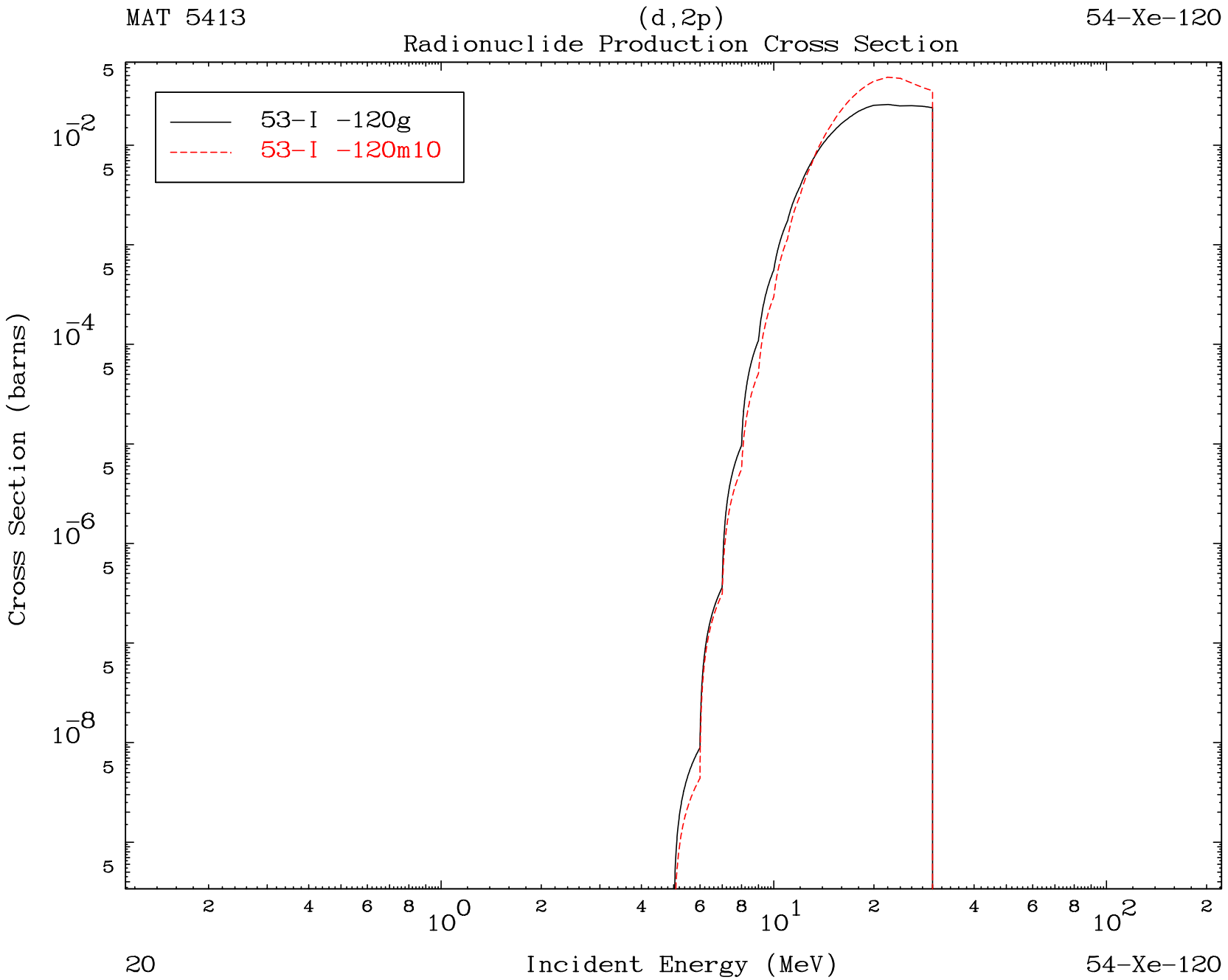

MAT 5413
(d,3n)
54-Xe-120
Radionuclide Production Cross Section
55-Cs-119g
55-Cs-119m1
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
54-Xe-120

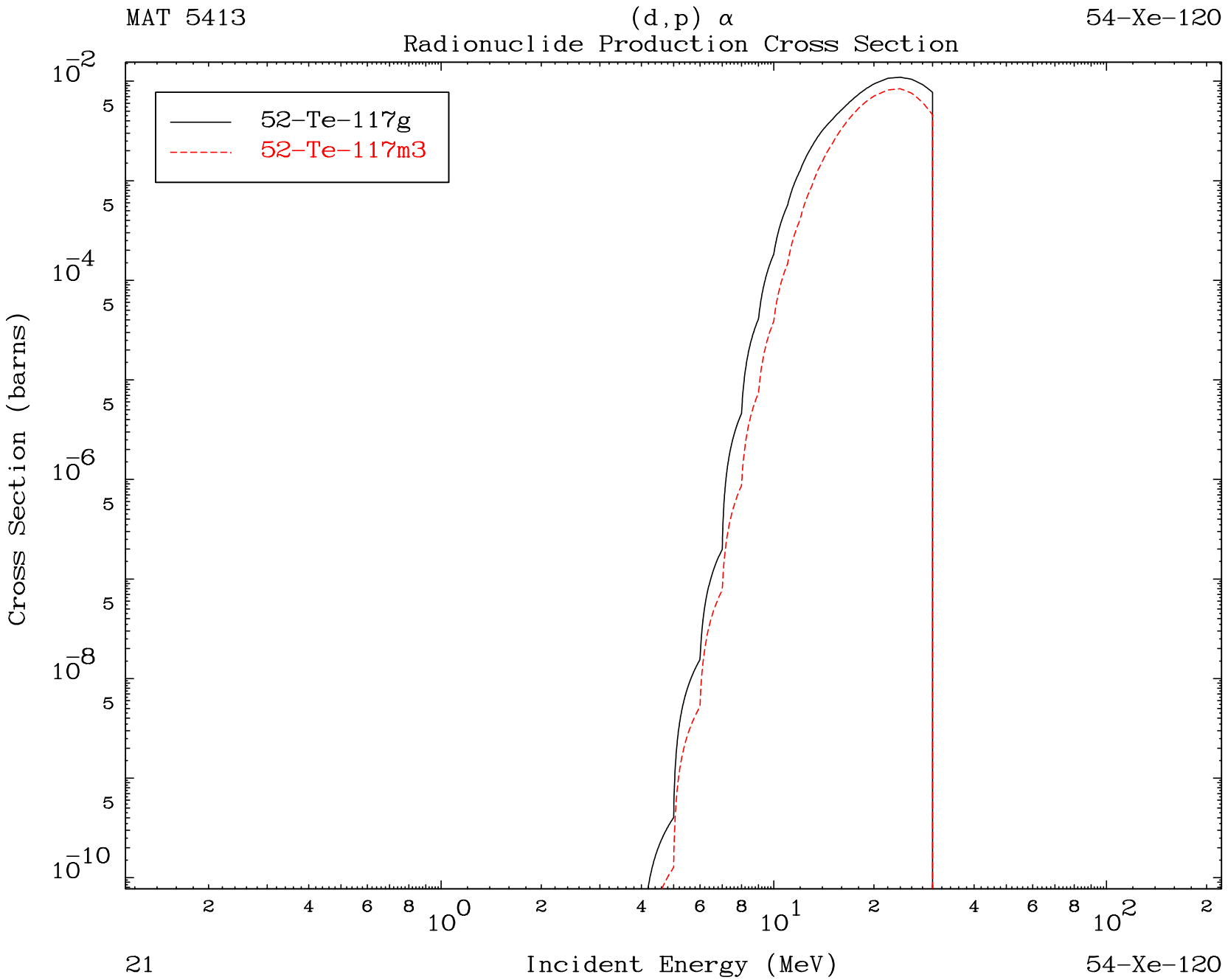

MAT 5413
(d,n') He-3
54-Xe-120
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
Incident Energy (MeV)
16
54-Xe-120

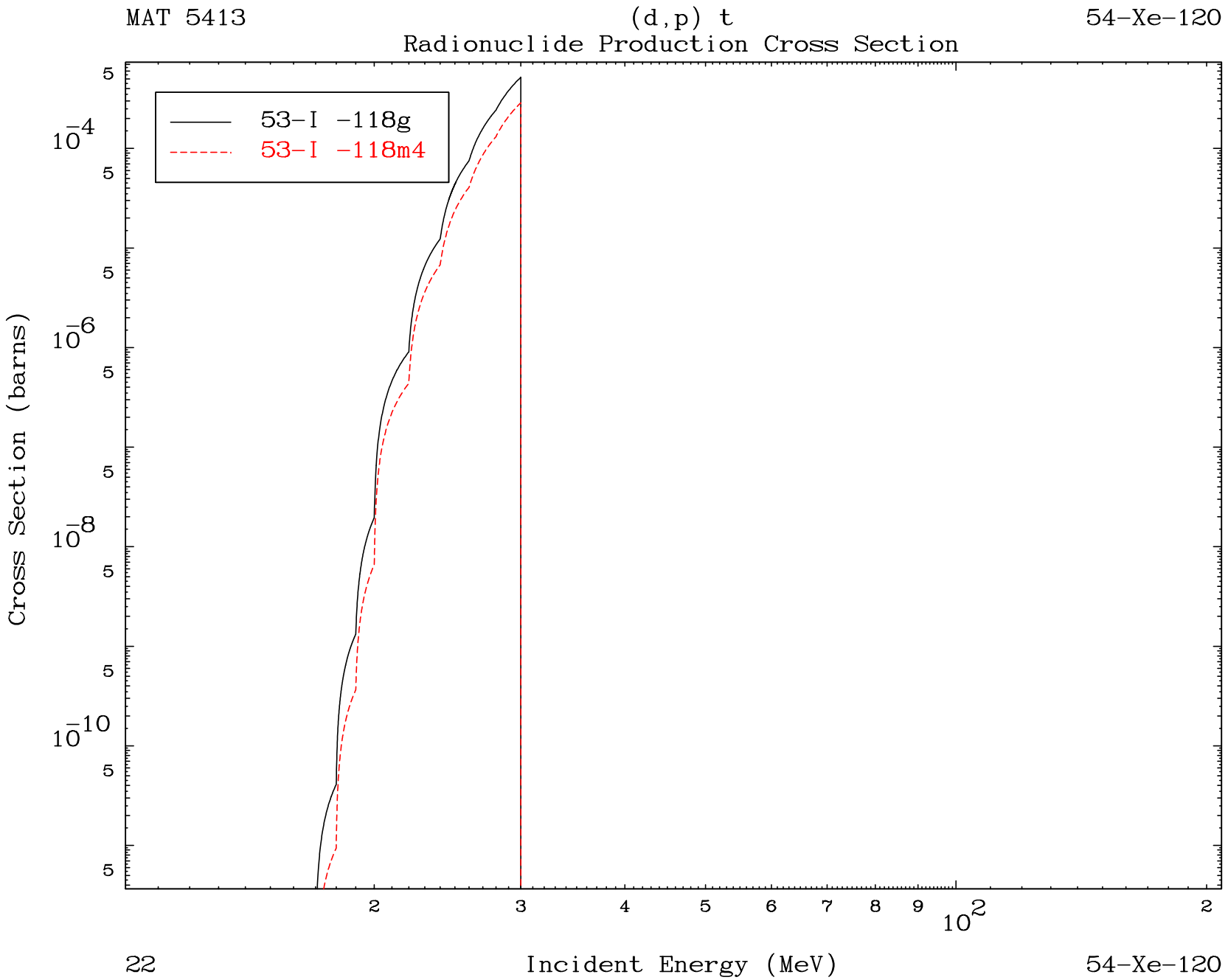

MAT 5413
(d,γ)
54-Xe-120
Radionuclide Production Cross Section
55-Cs-122g
55-Cs-122m7
55-Cs-122m8
Cross Section (barns)
Incident Energy (MeV)
17
54-Xe-120


MAT 5413
(d,α)
54-Xe-120
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
Incident Energy (MeV)
18
54-Xe-120


MAT 5413
(d,3α)
54-Xe-120
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
Incident Energy (MeV)
19
54-Xe-120


MAT 5413
(d,2p)
54-Xe-120
Radionuclide Production Cross Section
53-I -120g
53-I -120m10
Cross Section (barns)
Incident Energy (MeV)
20
54-Xe-120


MAT 5413
(d,p) α
54-Xe-120
Radionuclide Production Cross Section
52-Te-117g
52-Te-117m3
Cross Section (barns)
Incident Energy (MeV)
21
54-Xe-120


MAT 5413
(d,p) t
54-Xe-120
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
54-Xe-120