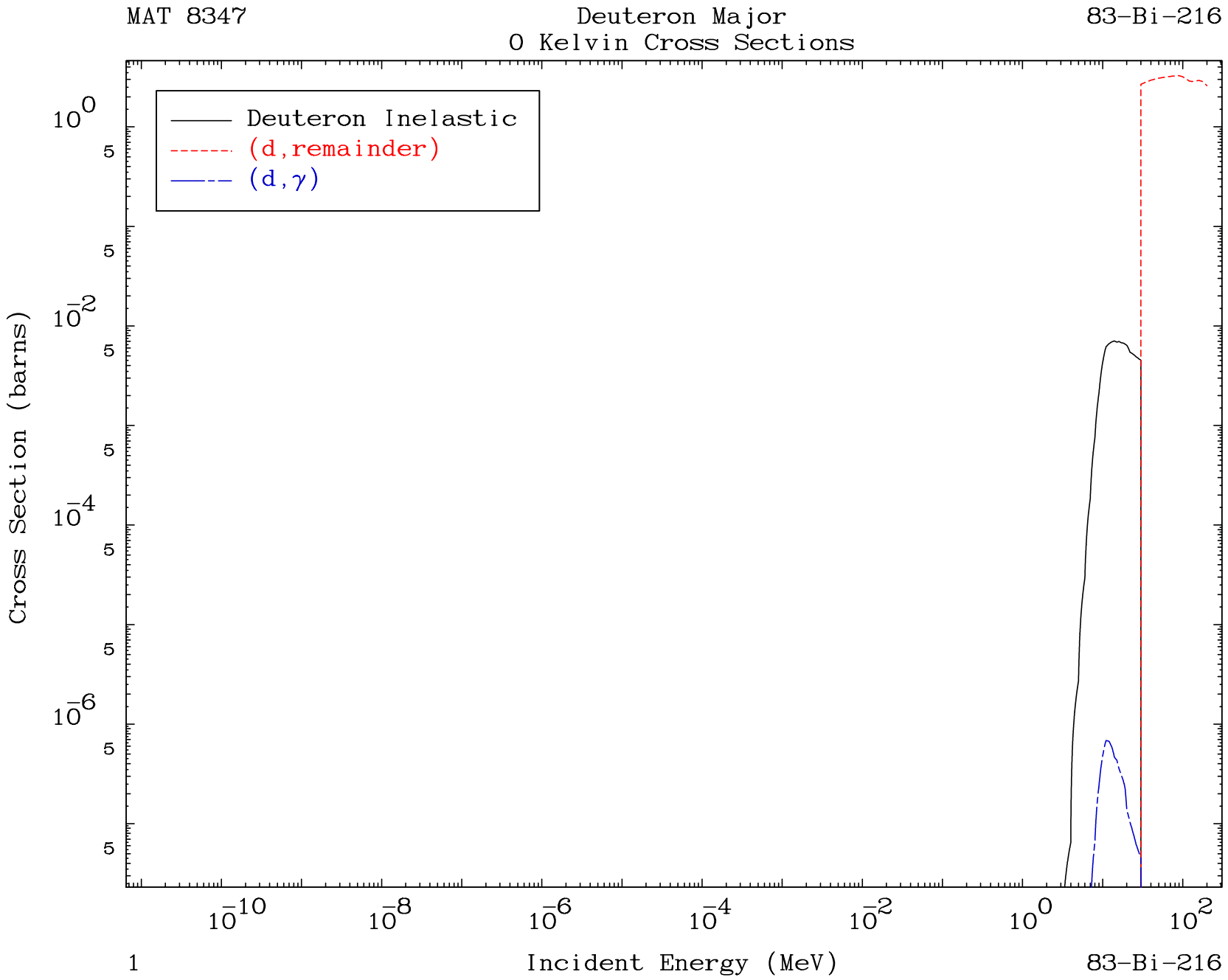
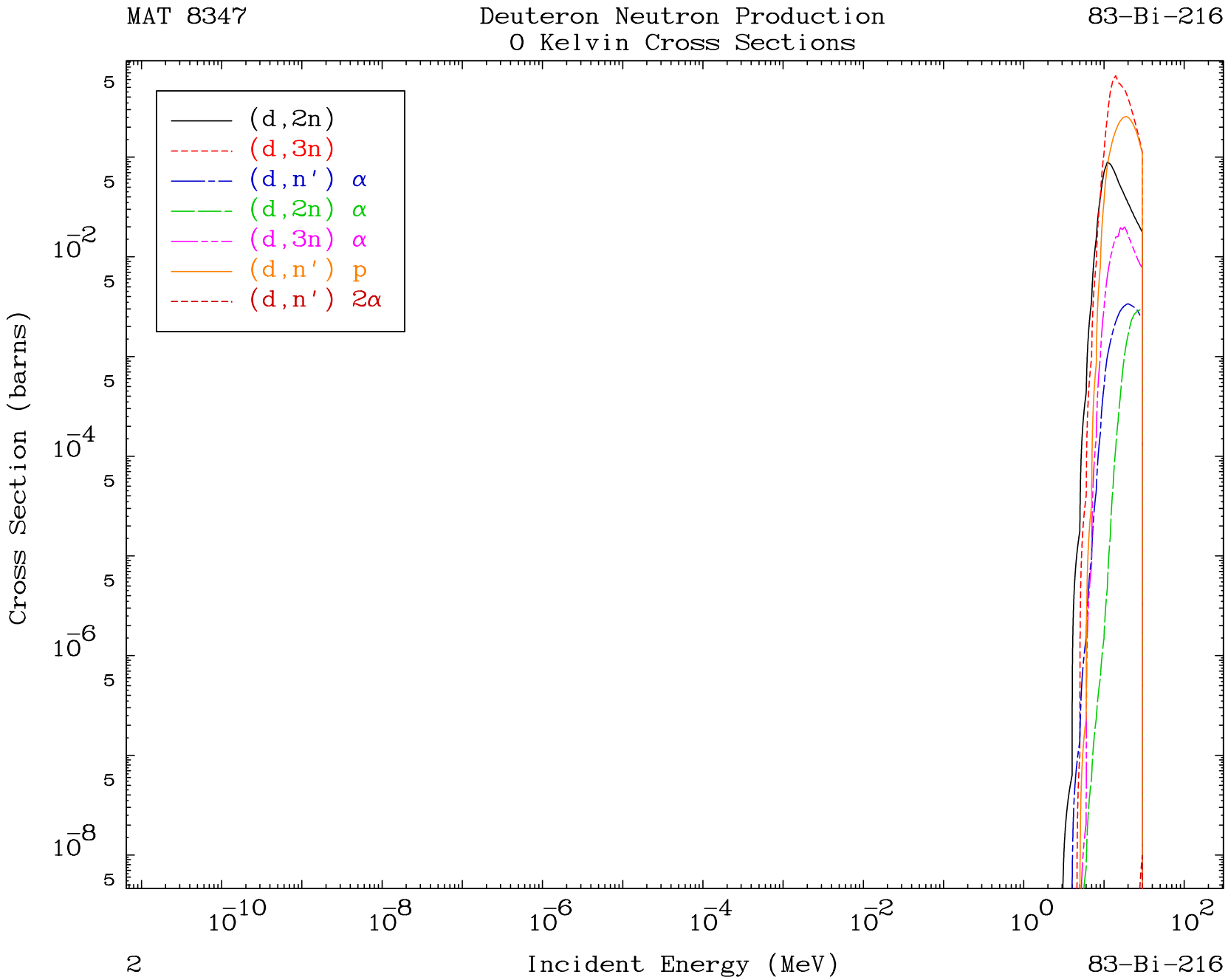
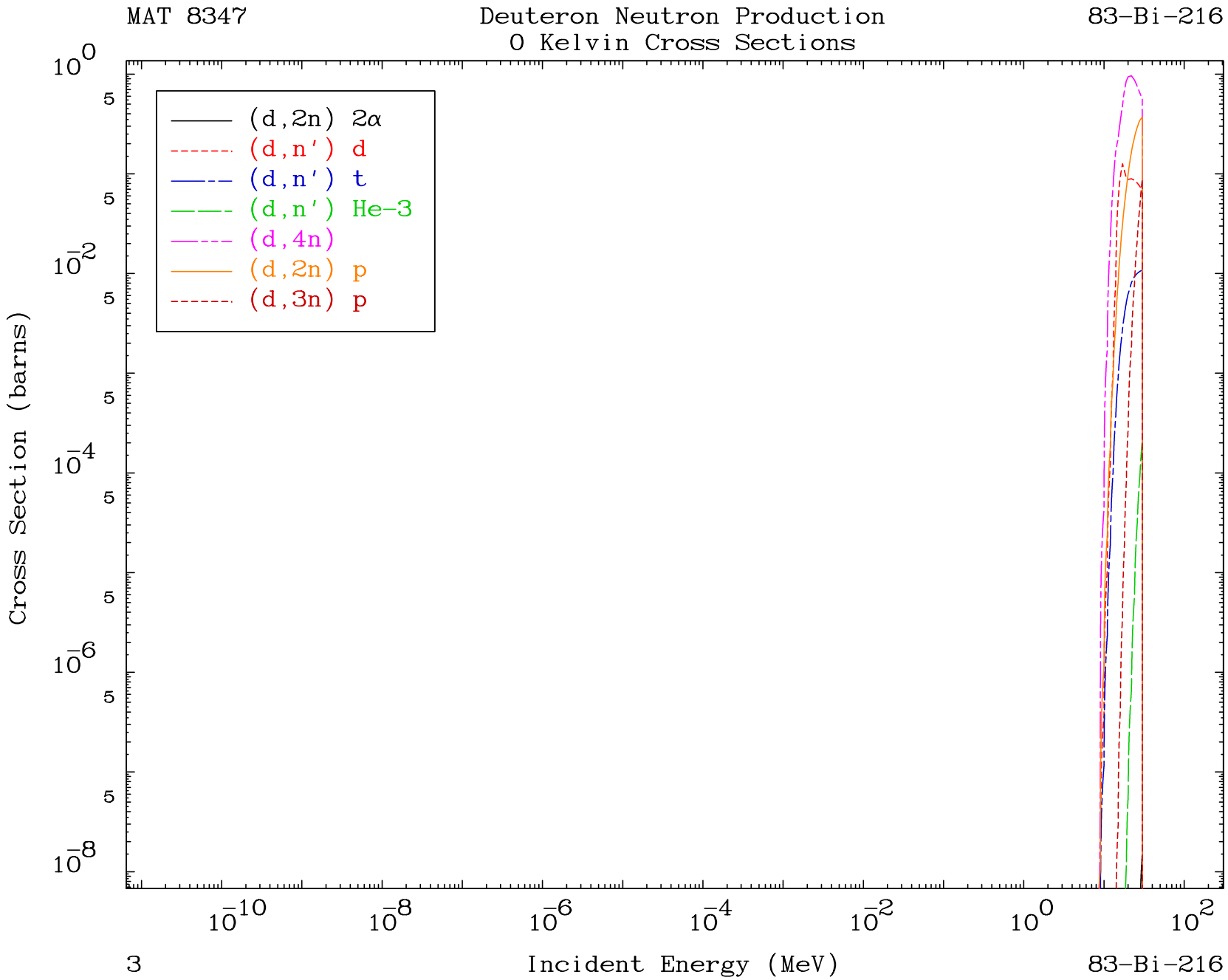
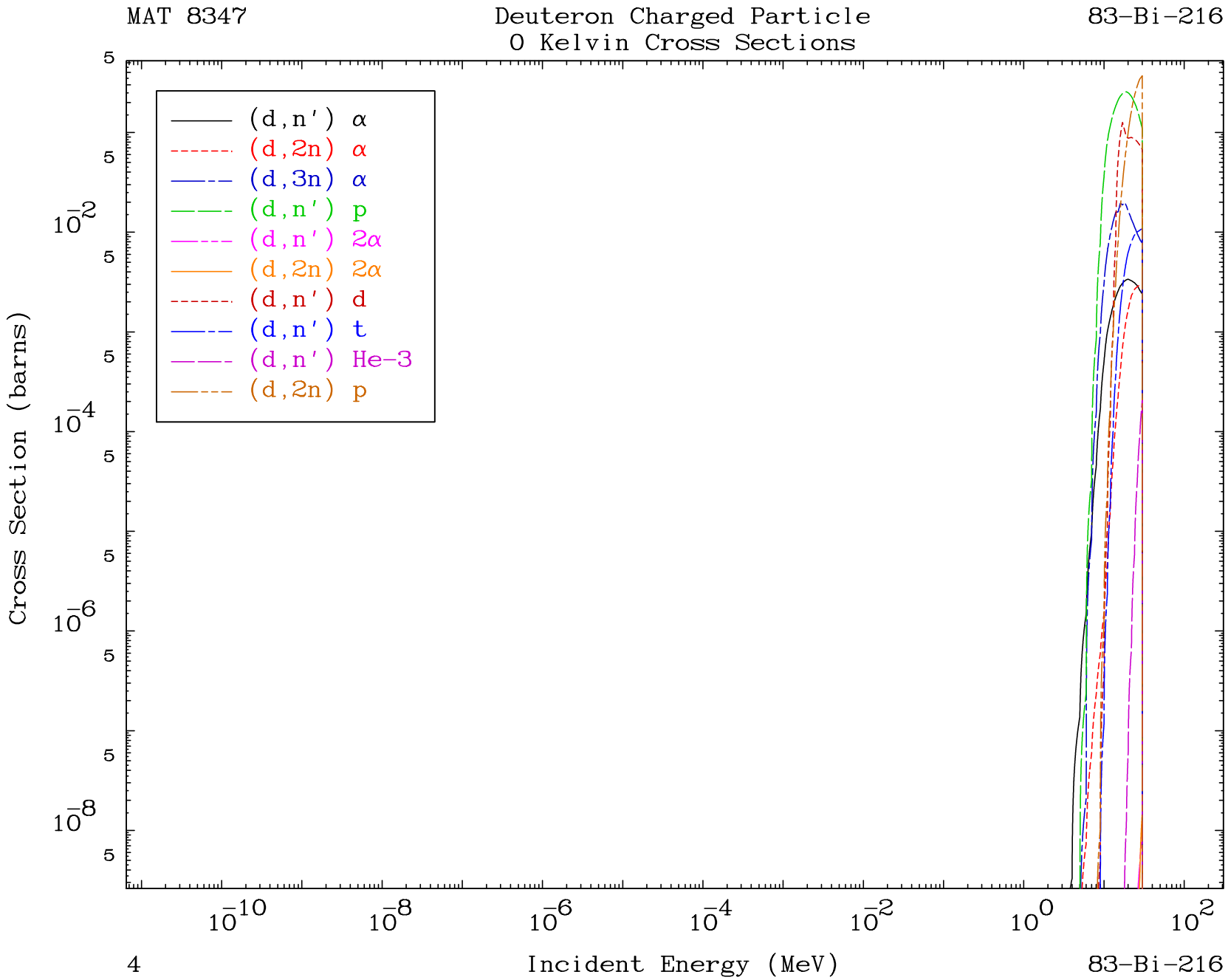
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

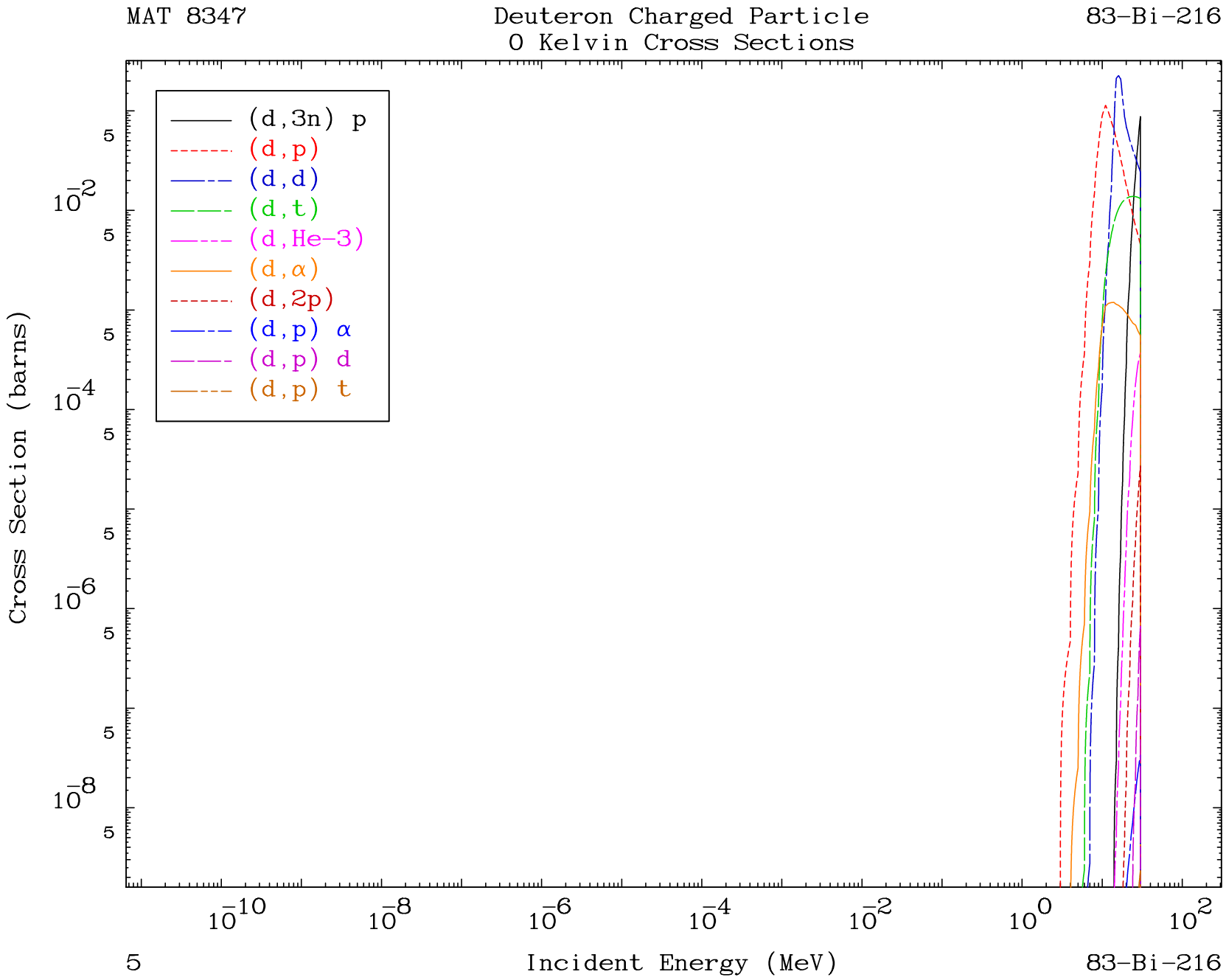
Press Mouse Button to Start

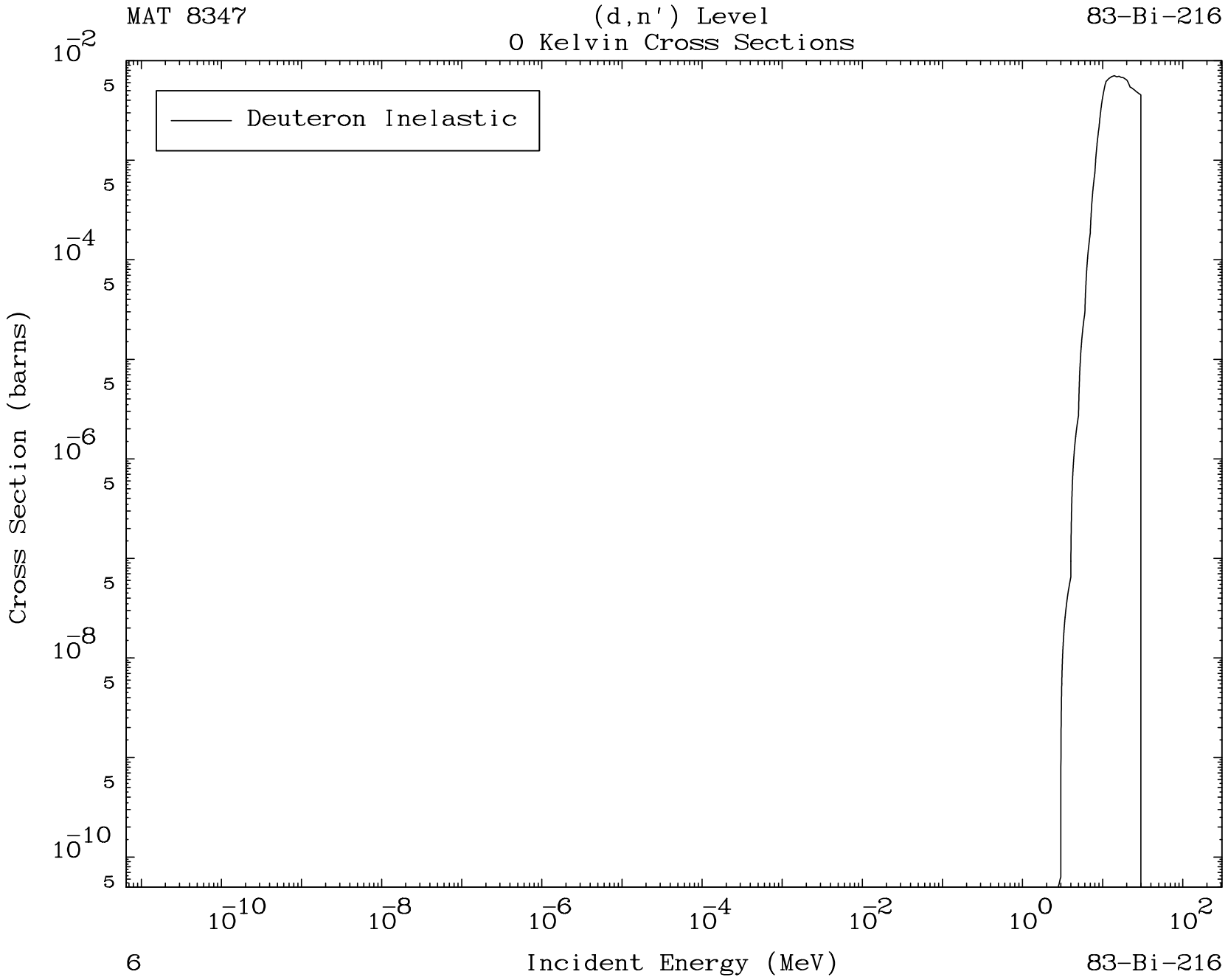

MAT 8347
Deuteron Major
83-Bi-216
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-216
1

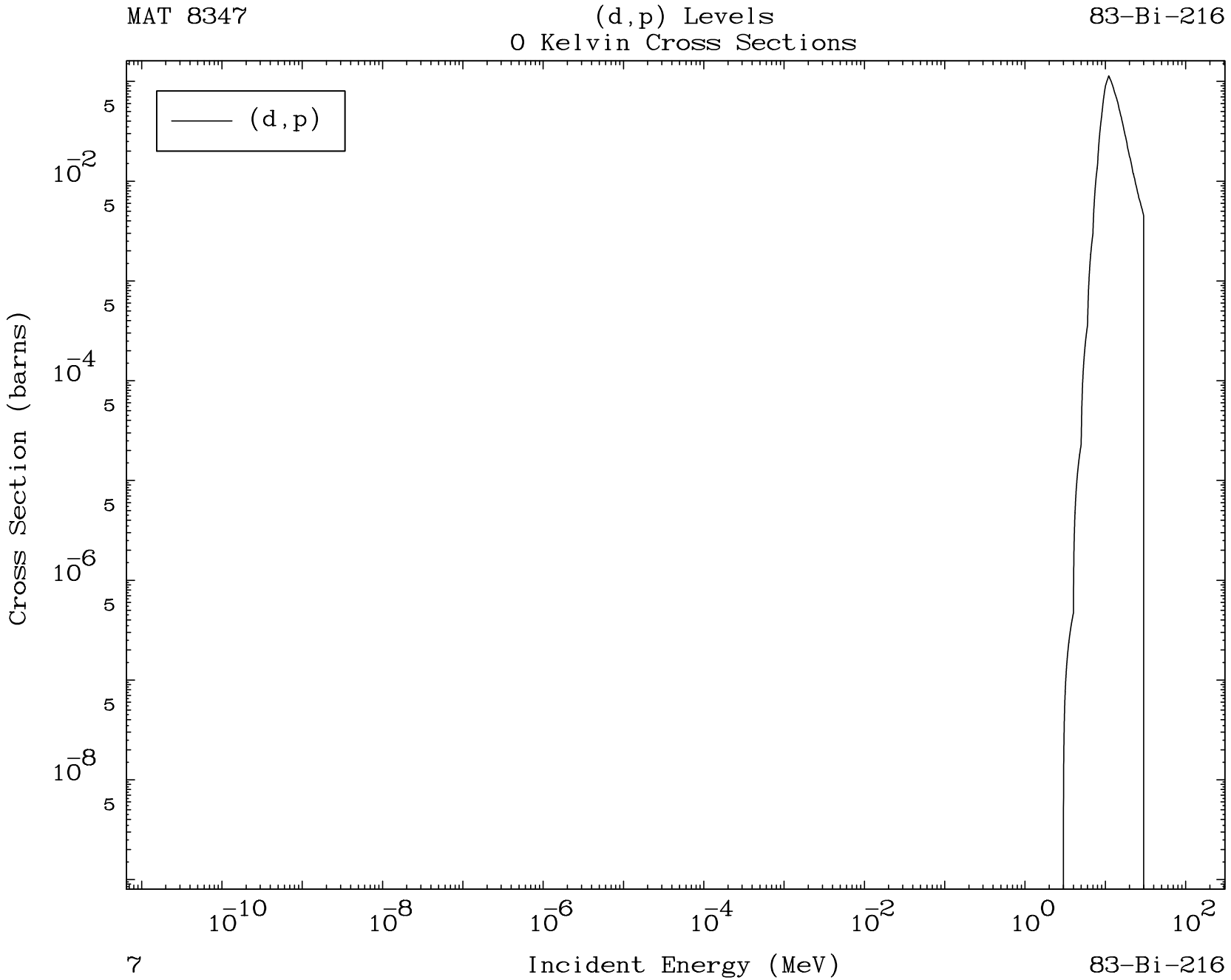

MAT 8347
Deuteron Neutron Production
0 Kelvin Cross Sections
83-Bi-216
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
83-Bi-216


MAT 8347
Deuteron Neutron Production
0 Kelvin Cross Sections
83-Bi-216
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
83-Bi-216

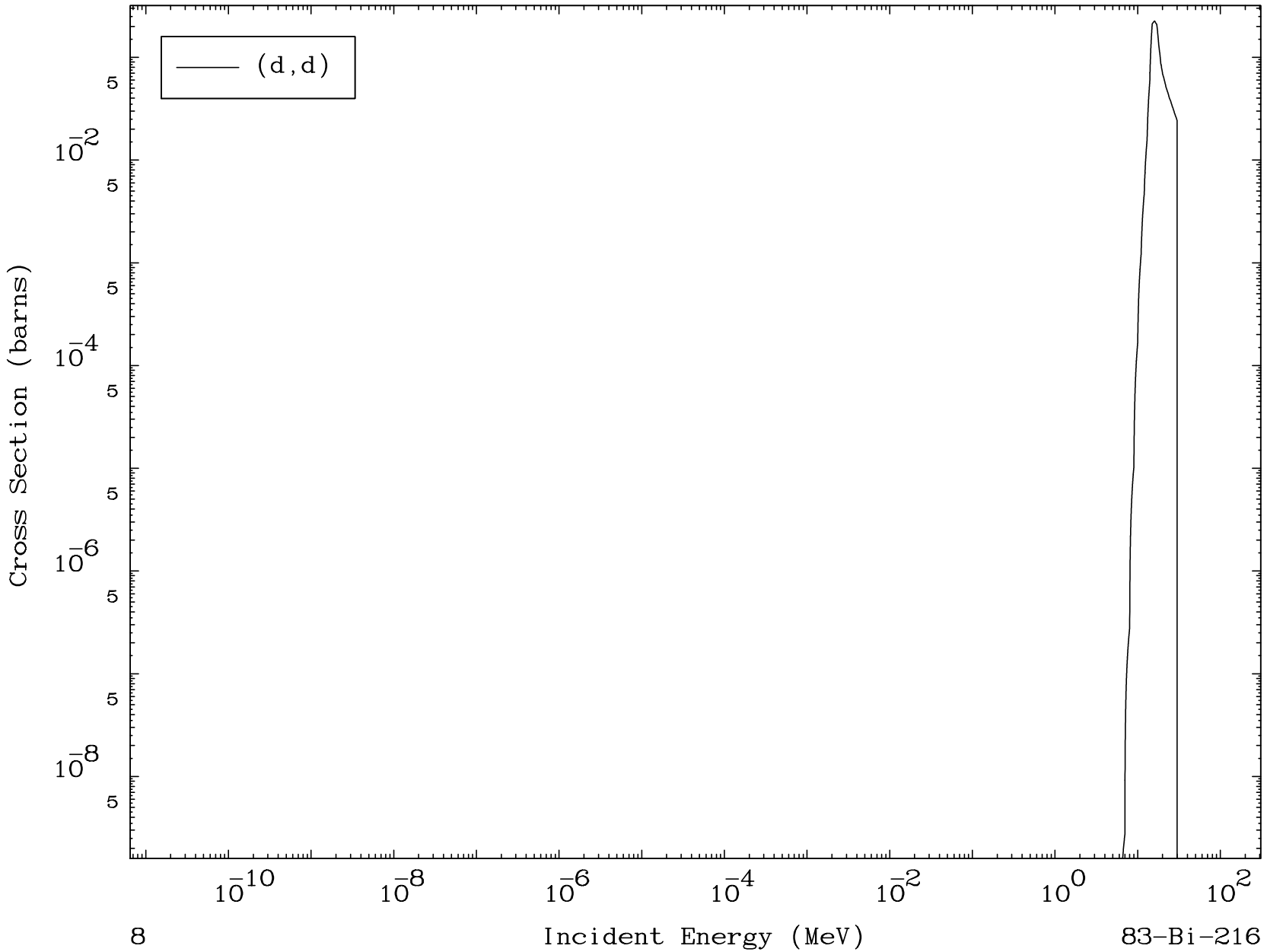

MAT 8347
Deuteron Charged Particle
0 Kelvin Cross Sections
83-Bi-216
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-216

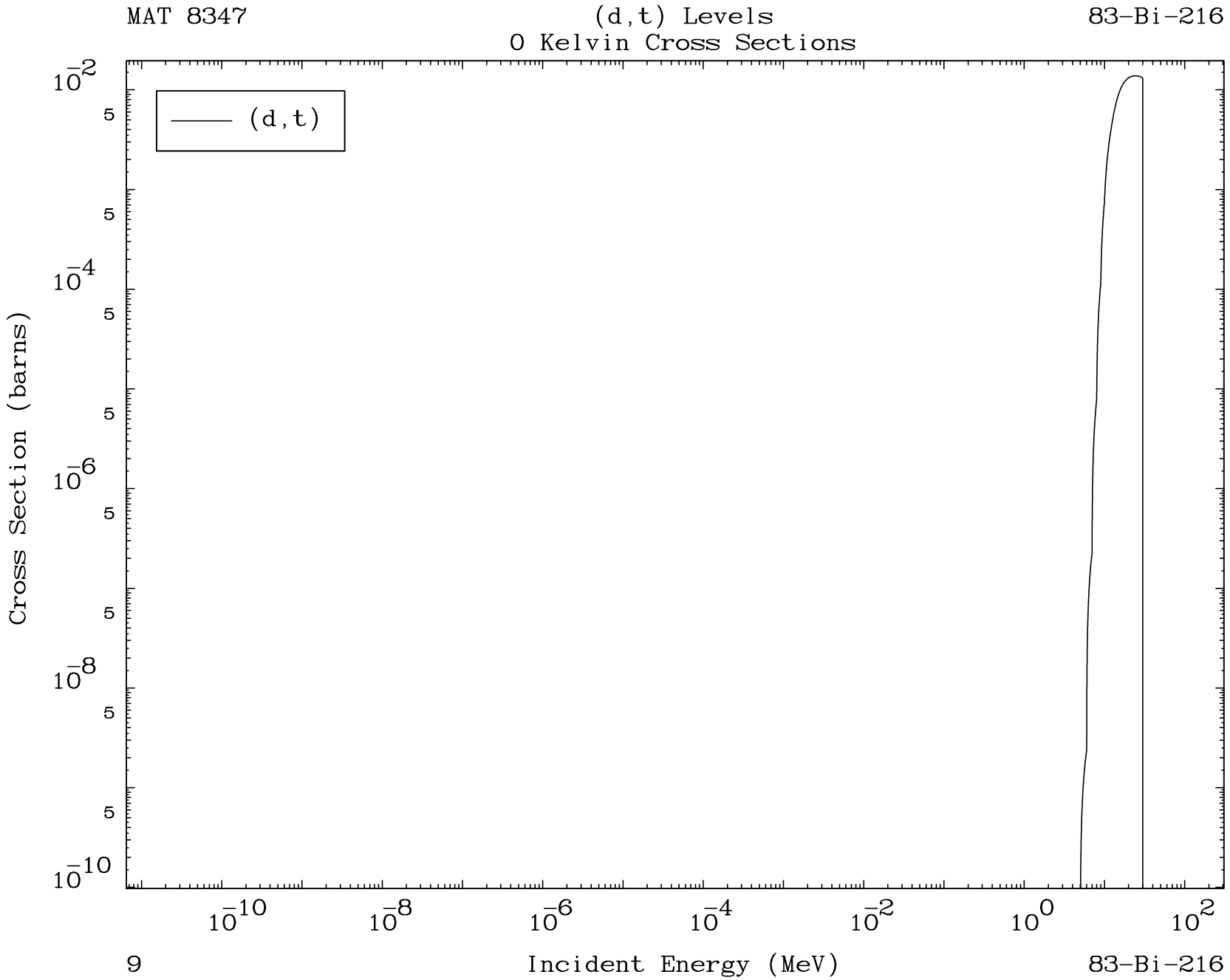

MAT 8347
Deuteron Charged Particle
0 Kelvin Cross Sections
83-Bi-216
(d,3n) p
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
(d,2p)
(d,p) α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
83-Bi-216

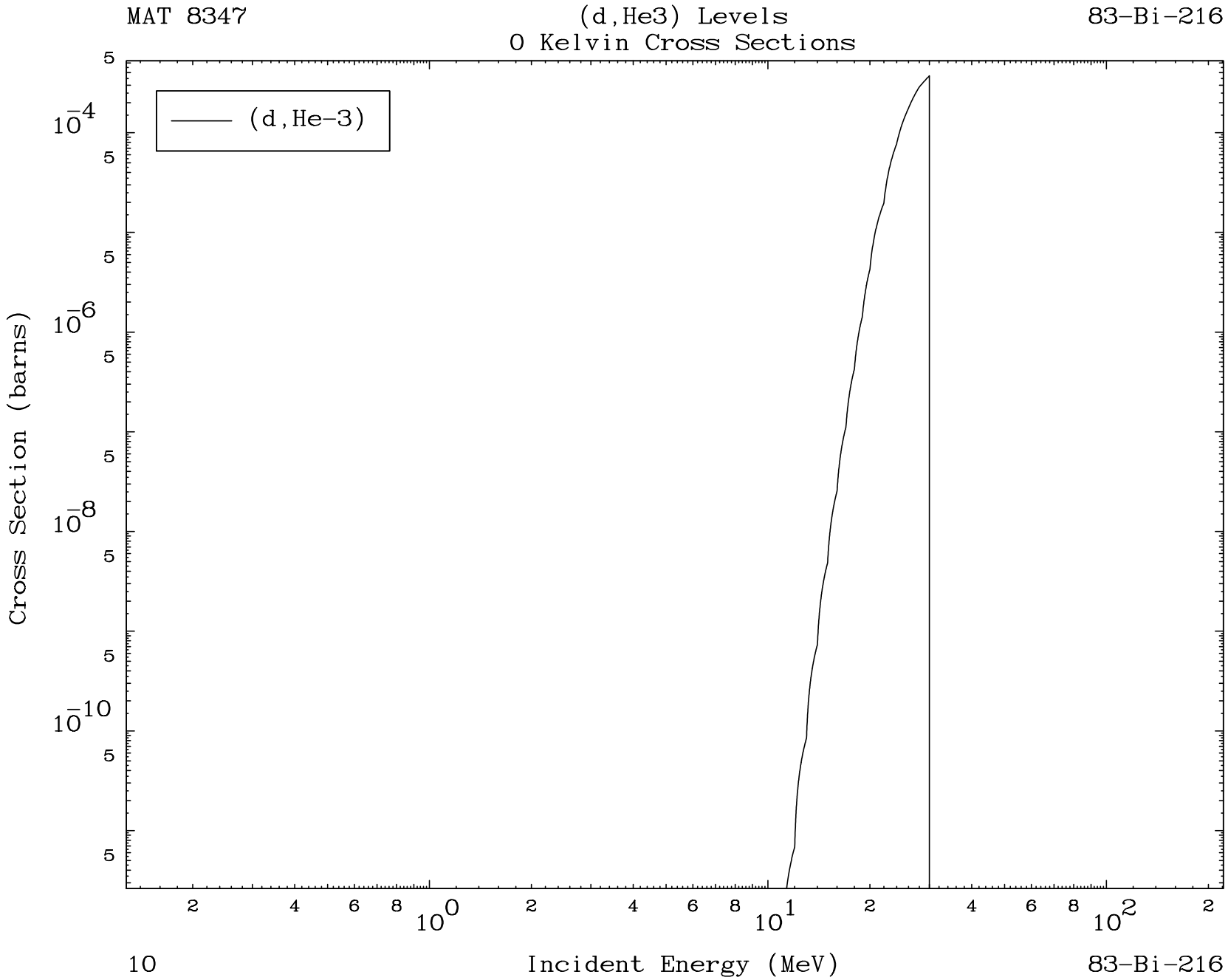

MAT 8347
(d,n') Level
83-Bi-216
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
83-Bi-216

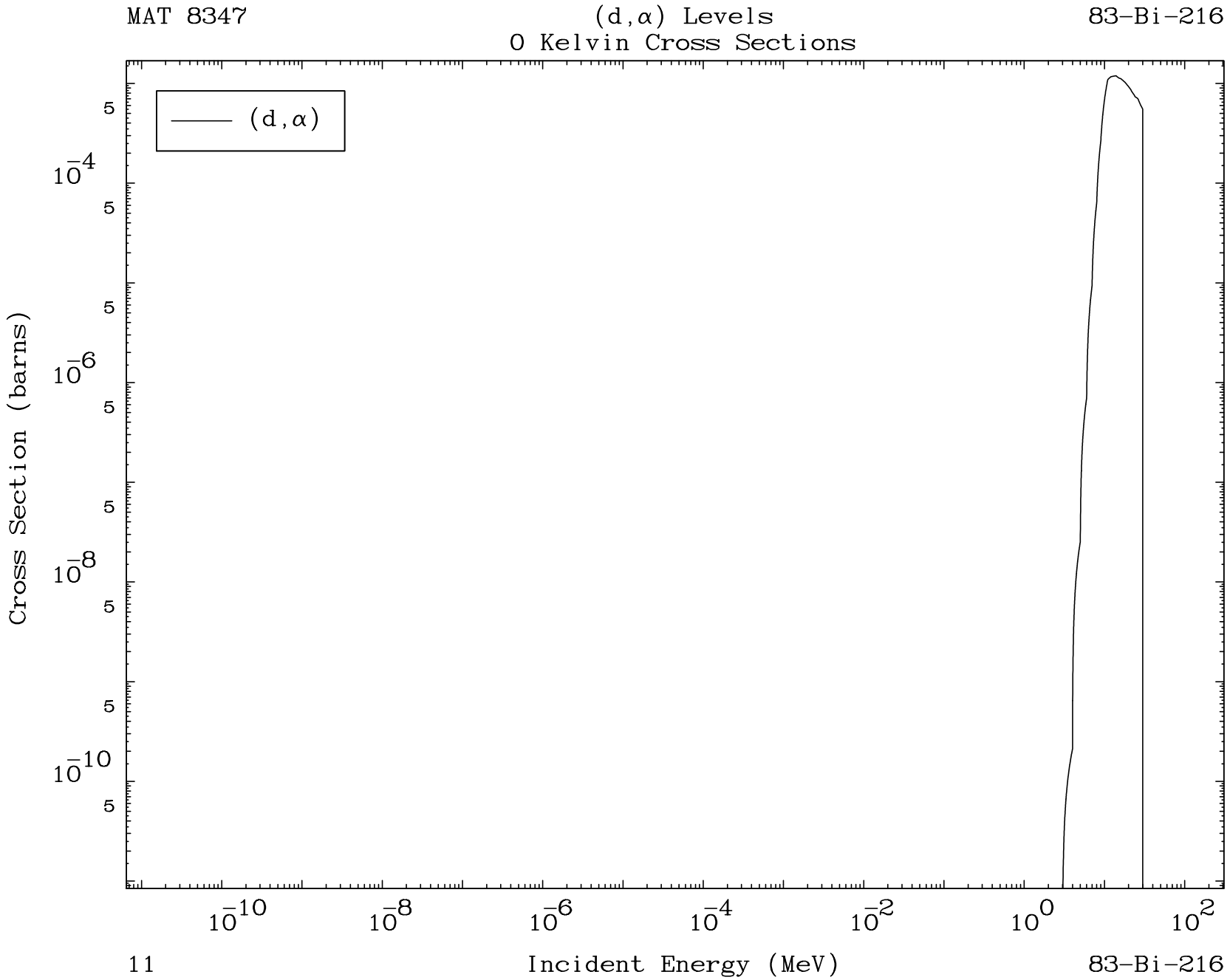

MAT 8347
(d,p) Levels
83-Bi-216
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
7
83-Bi-216

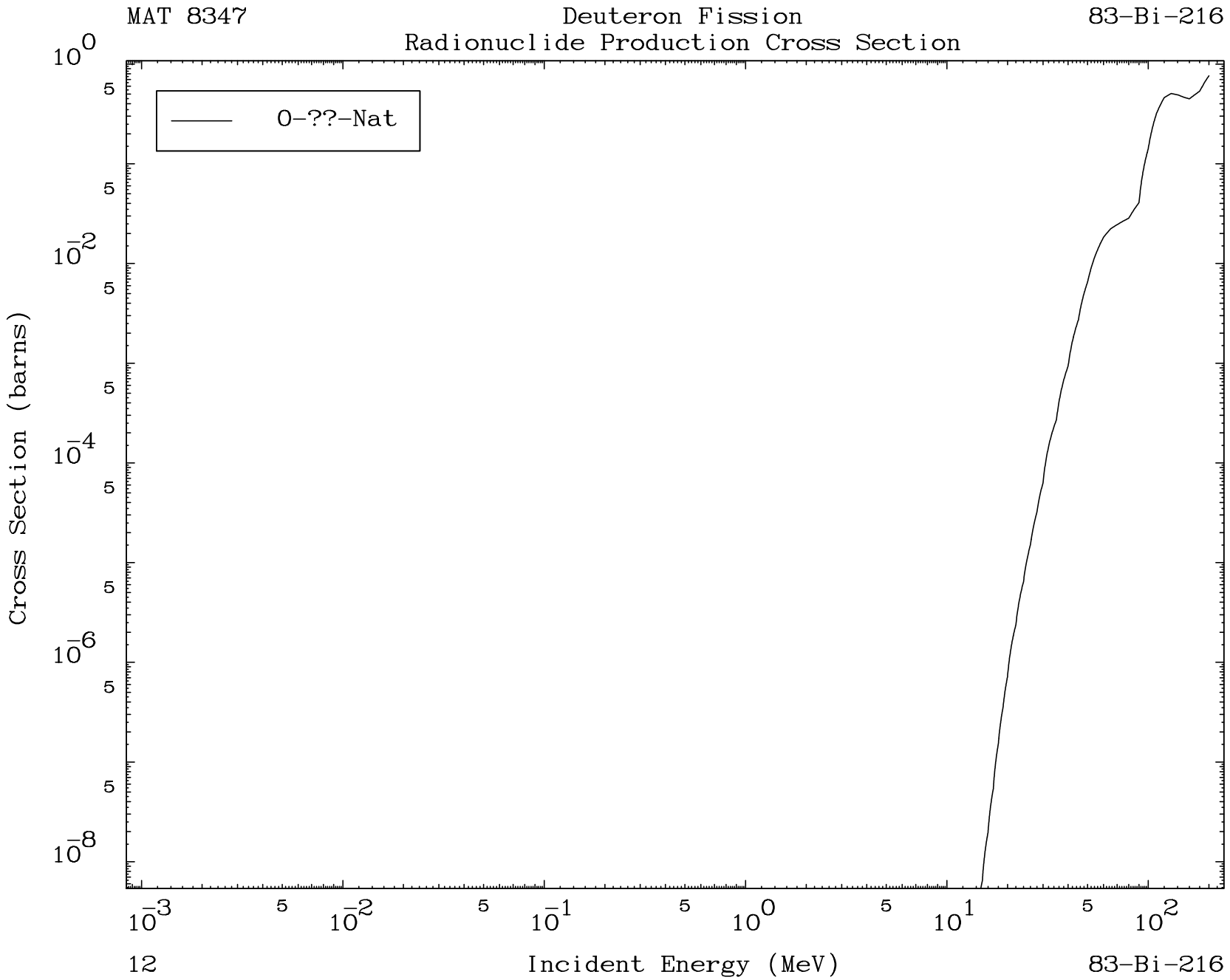
0 Kelvin Cross Sections

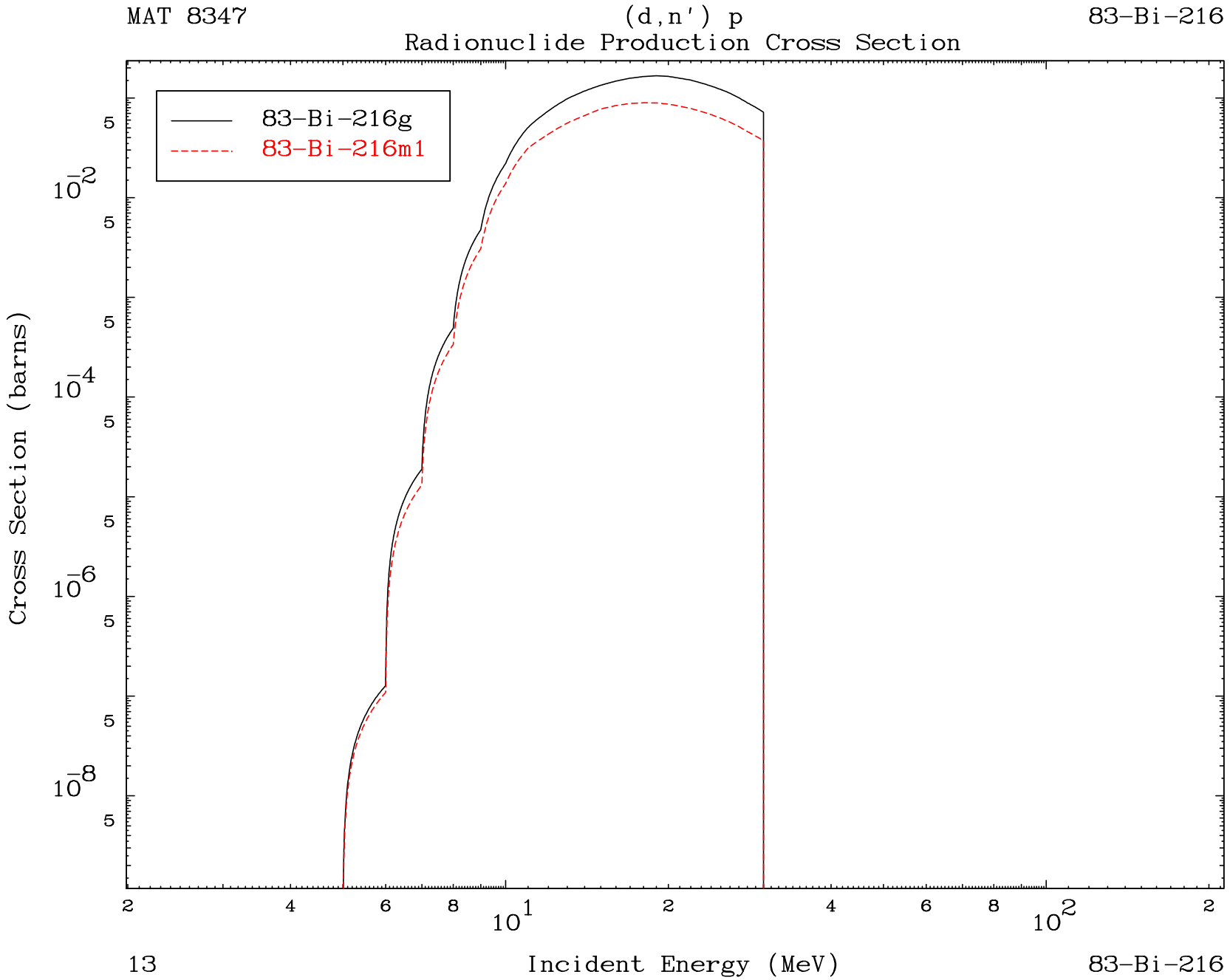


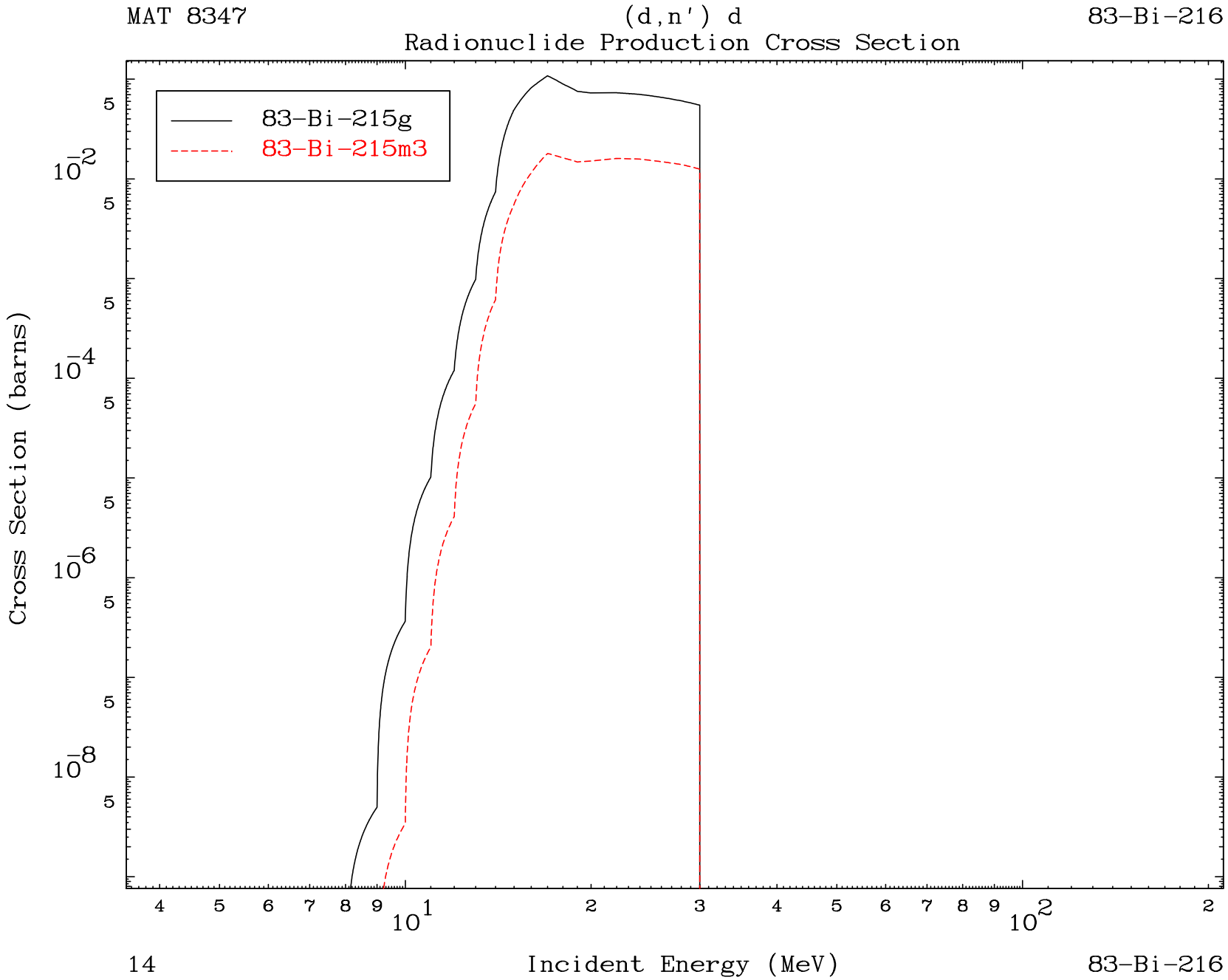

MAT 8347
(d,t) Levels
83-Bi-216
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
9
83-Bi-216

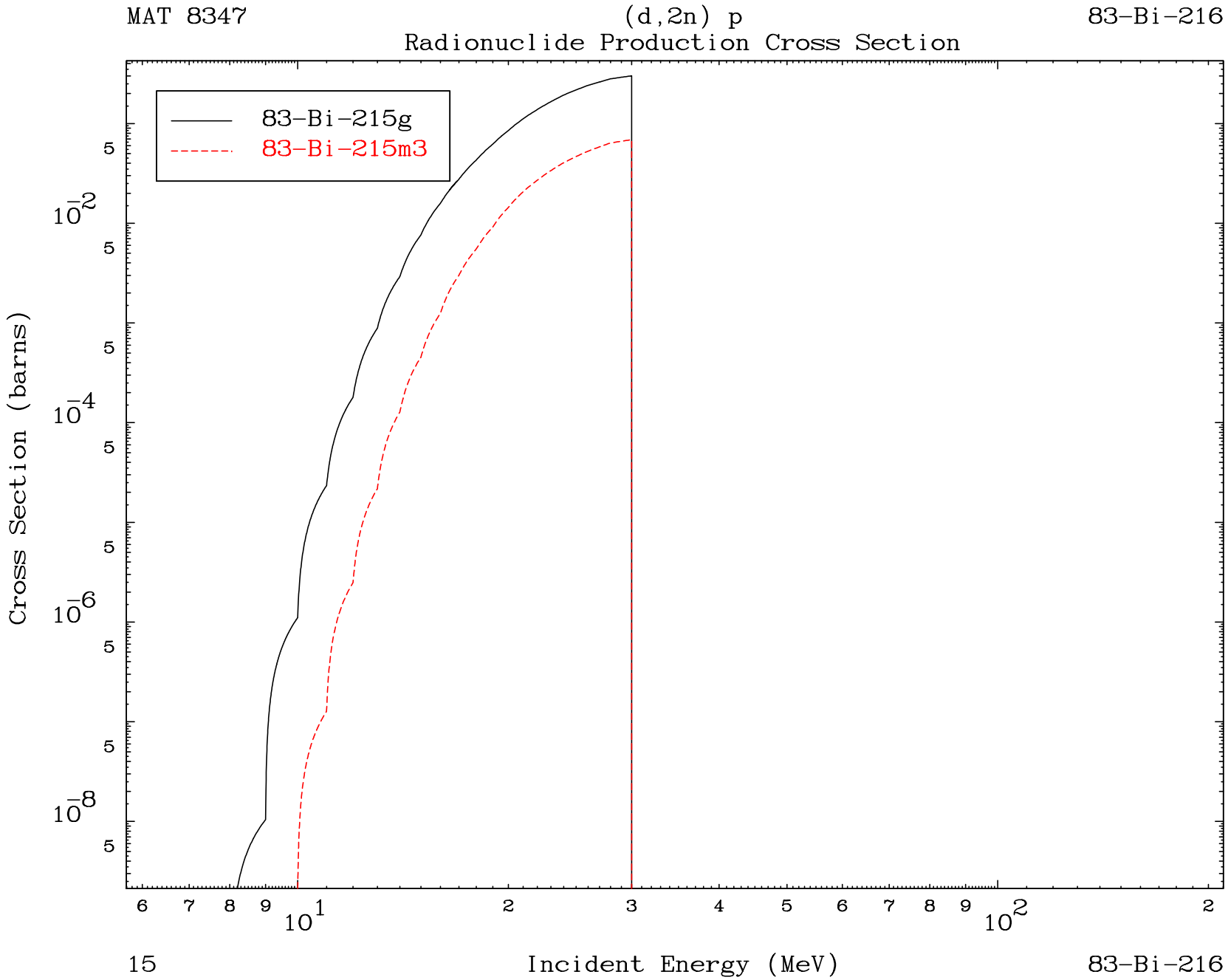

MAT 8347
(d,He3) Levels
83-Bi-216
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
83-Bi-216

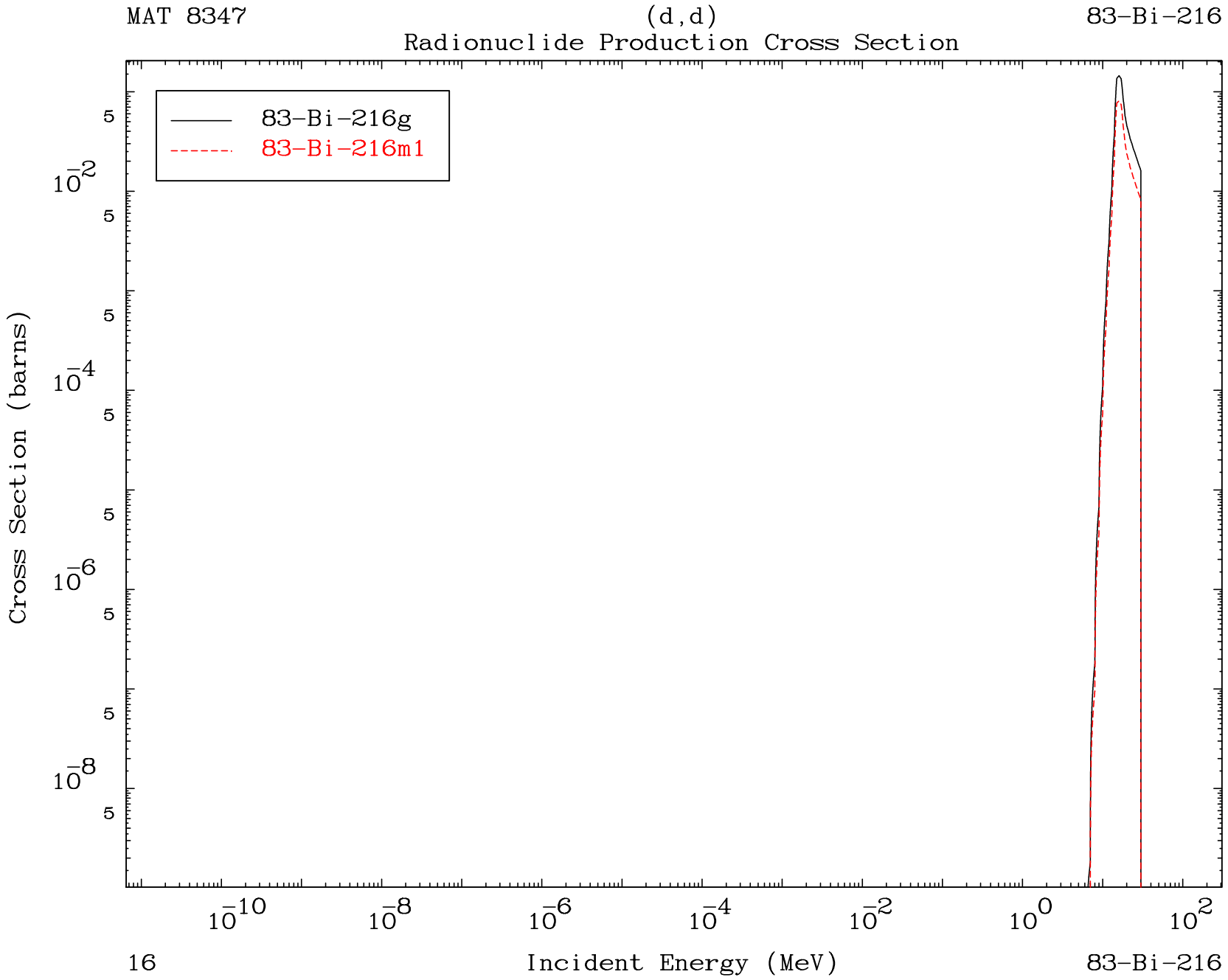

MAT 8347
(d,α) Levels
83-Bi-216
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
11
Incident Energy (MeV)
83-Bi-216

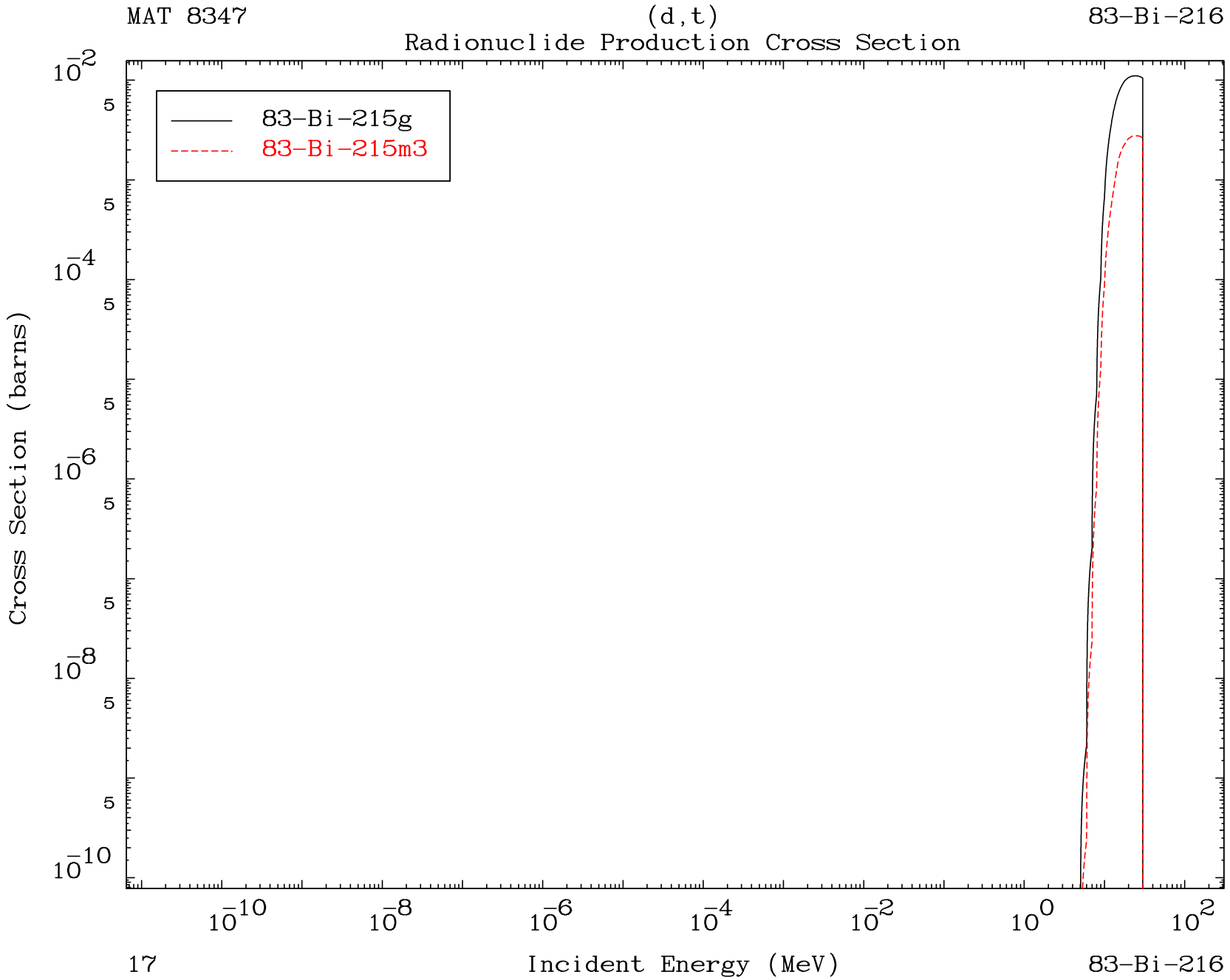

MAT 8347
Deuteron Fission
83-Bi-216
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-216


MAT 8347
(d,n') p
83-Bi-216
Radionuclide Production Cross Section
83-Bi-216g
83-Bi-216m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
4
6
8
10 1
2
4
6
8
10 2
2
13
Incident Energy (MeV)
83-Bi-216


MAT 8347
(d,n') d
83-Bi-216
Radionuclide Production Cross Section
83-Bi-215g
83-Bi-215m3
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
14
Incident Energy (MeV)
83-Bi-216


MAT 8347
(d,2n) p
83-Bi-216
Radionuclide Production Cross Section
83-Bi-215g
83-Bi-215m3
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)
15
83-Bi-216


MAT 8347
(d,d)
83-Bi-216
Radionuclide Production Cross Section
83-Bi-216g
83-Bi-216m1
Cross Section (barns)
Incident Energy (MeV)
16
83-Bi-216


MAT 8347
(d,t)
83-Bi-216
Radionuclide Production Cross Section
83-Bi-215g
83-Bi-215m3
Cross Section (barns)
Incident Energy (MeV)
17
83-Bi-216