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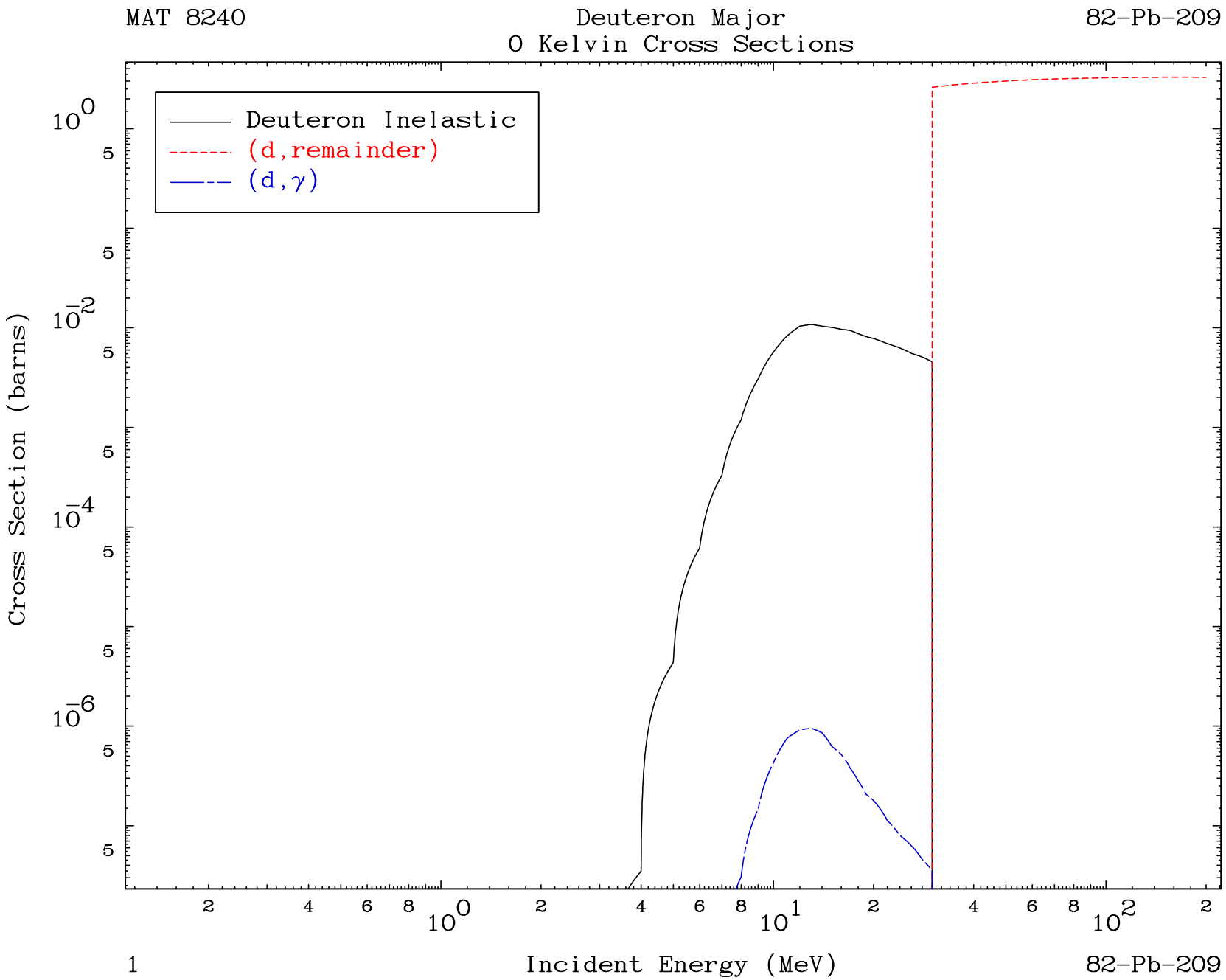
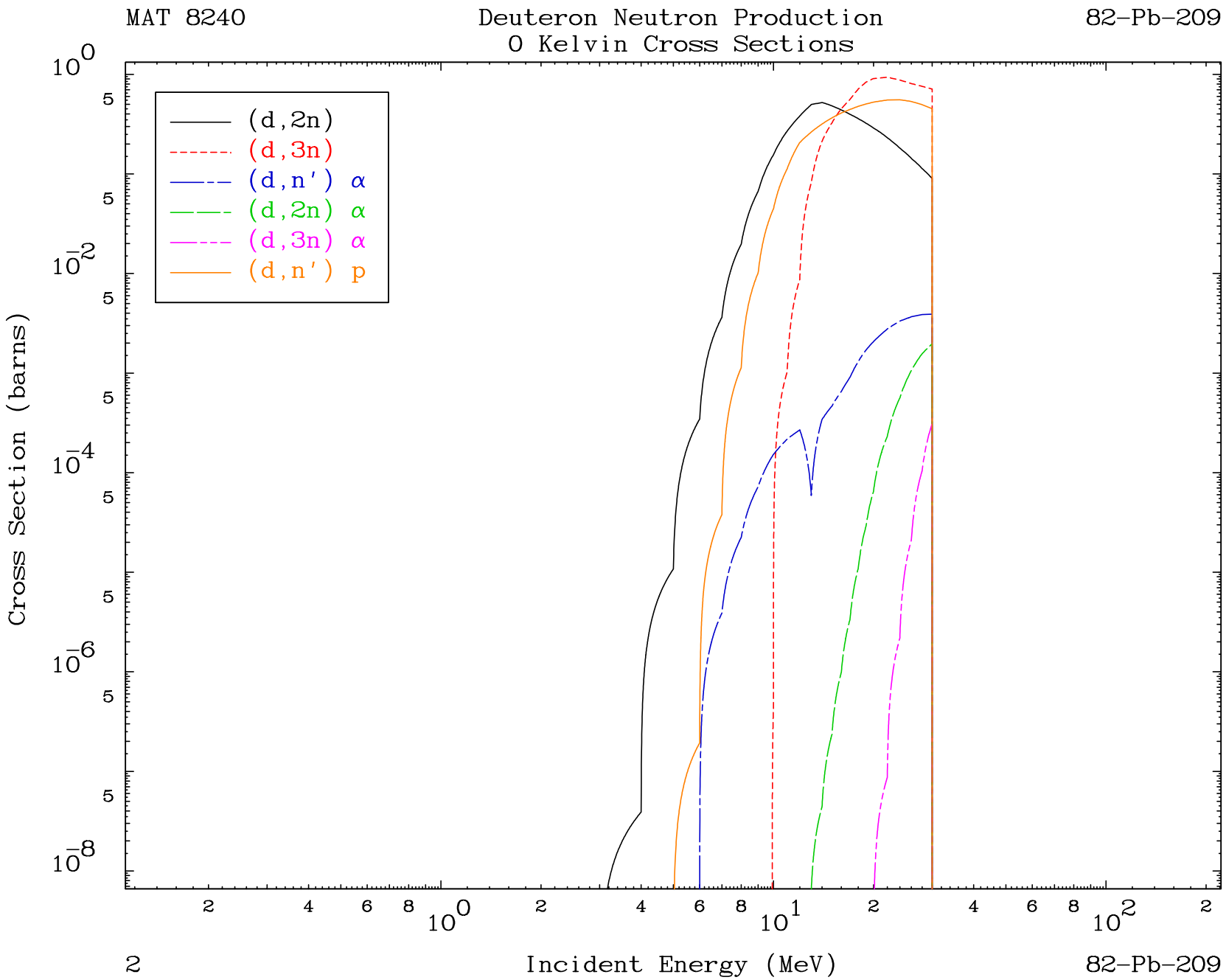
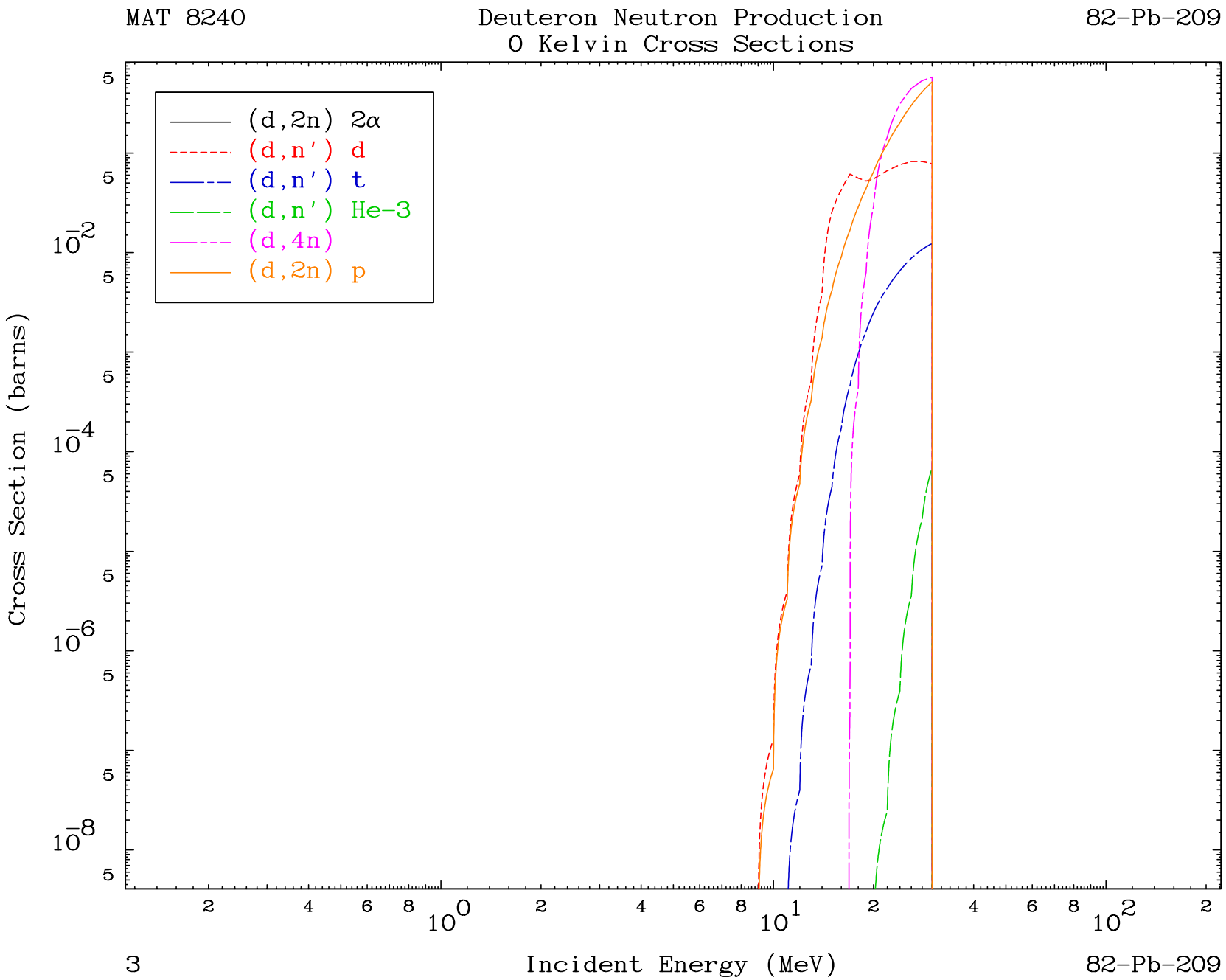
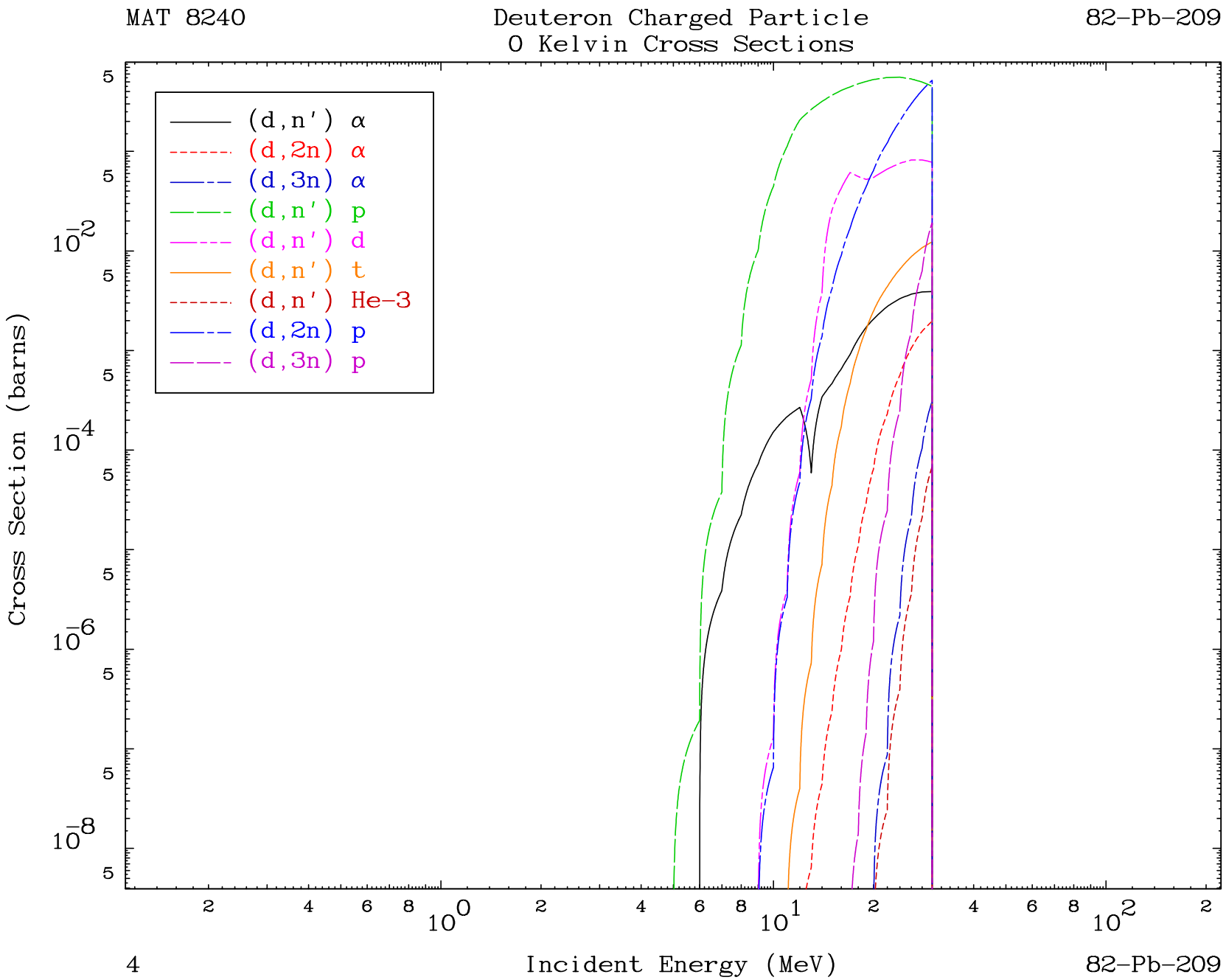
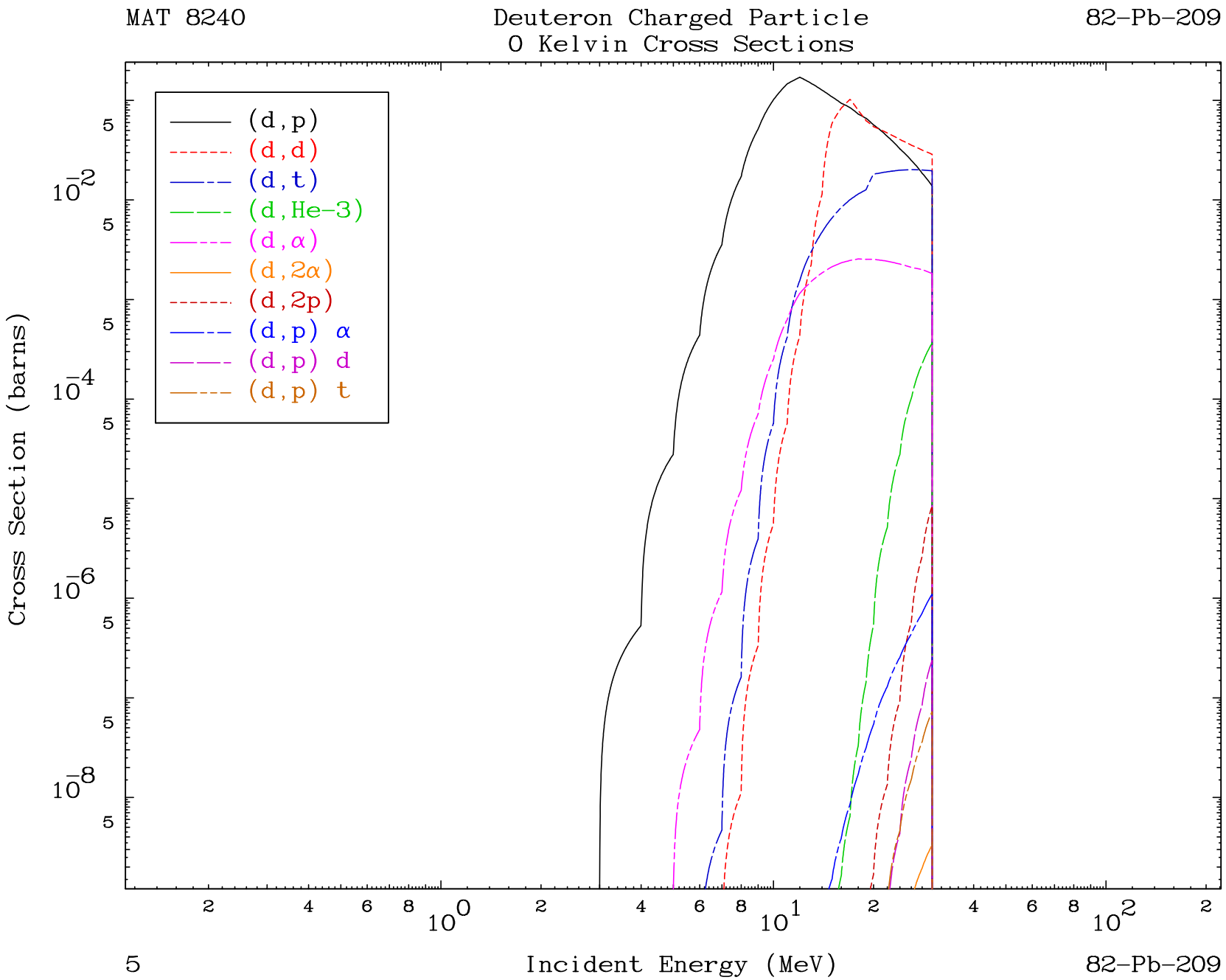
Press Mouse Button to Start

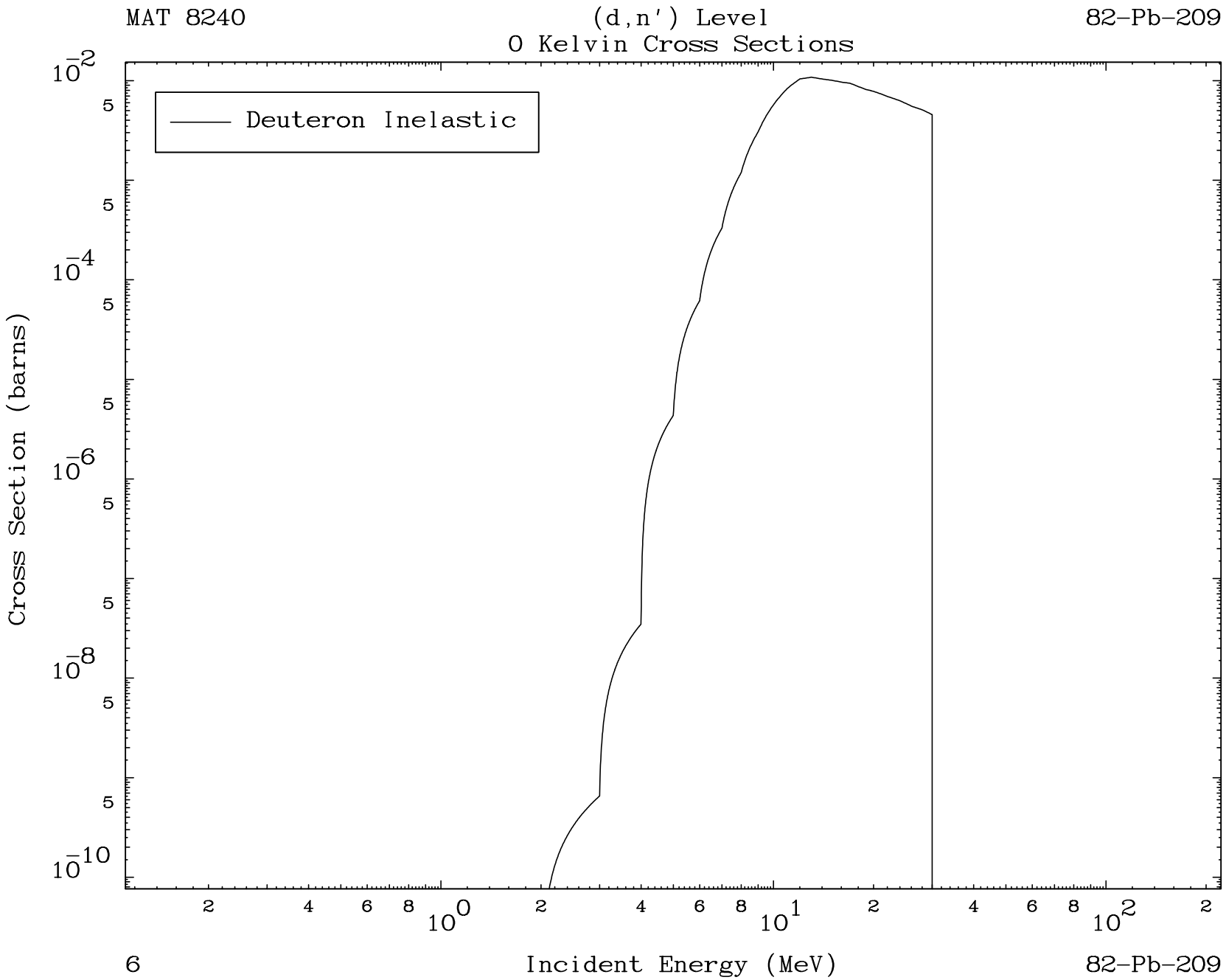

MAT 8240
Deuteron Major
82-Pb-209
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-209
1

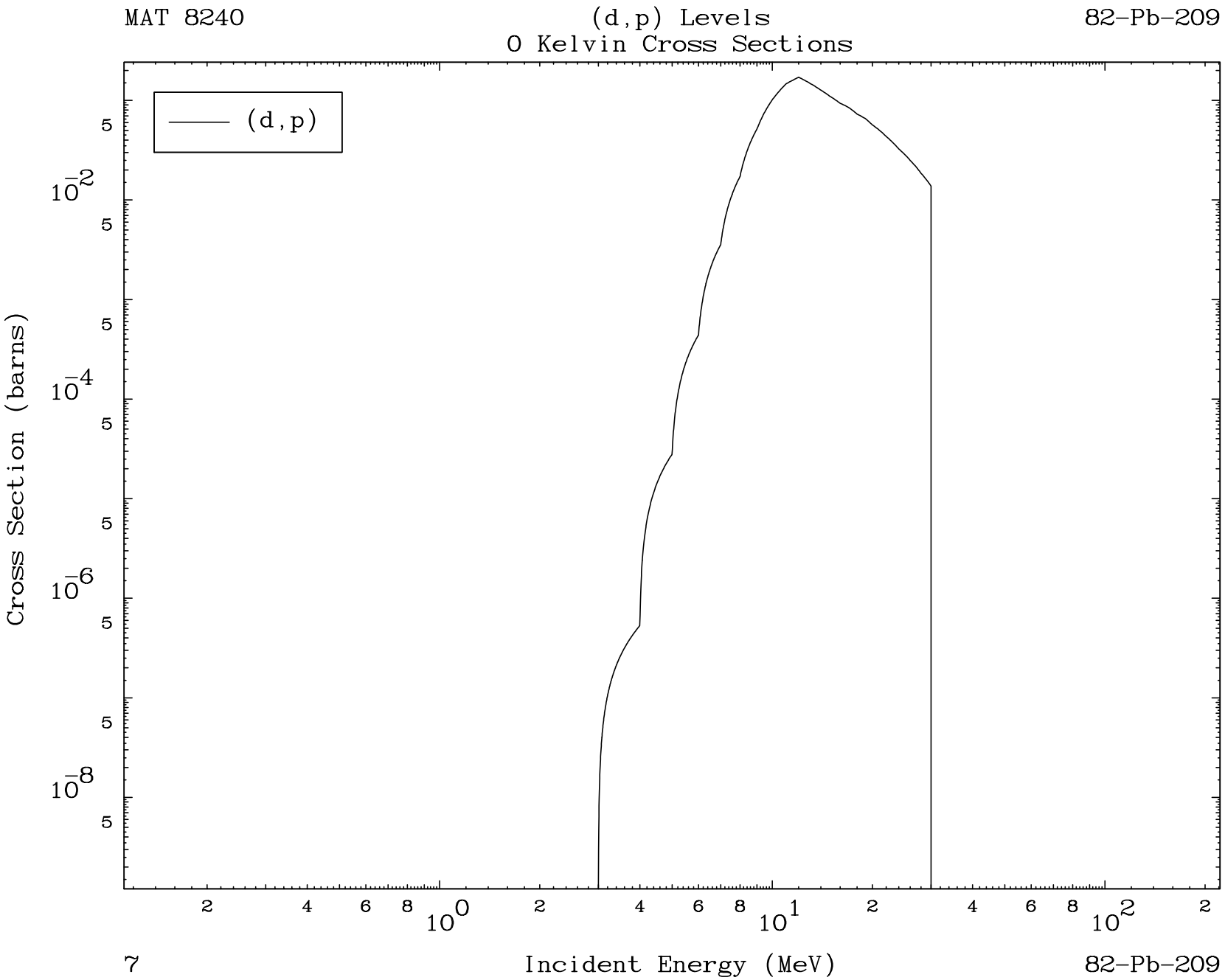

MAT 8240
Deuteron Neutron Production
0 Kelvin Cross Sections
82-Pb-209
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
Cross Section (barns)
Incident Energy (MeV)
82-Pb-209
2

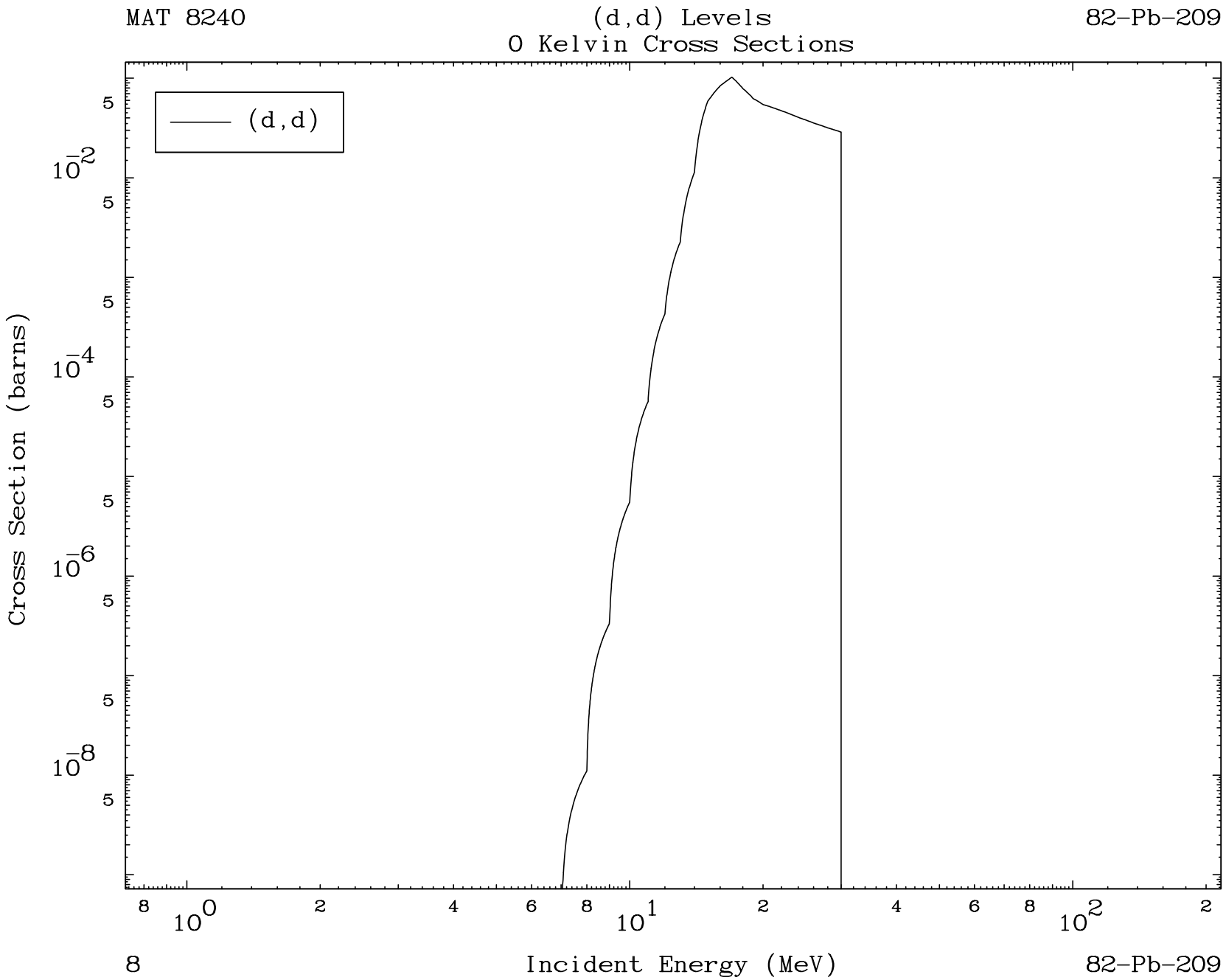

MAT 8240
Deuteron Neutron Production
0 Kelvin Cross Sections
82-Pb-209
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
Cross Section (barns)
Incident Energy (MeV)
3
82-Pb-209

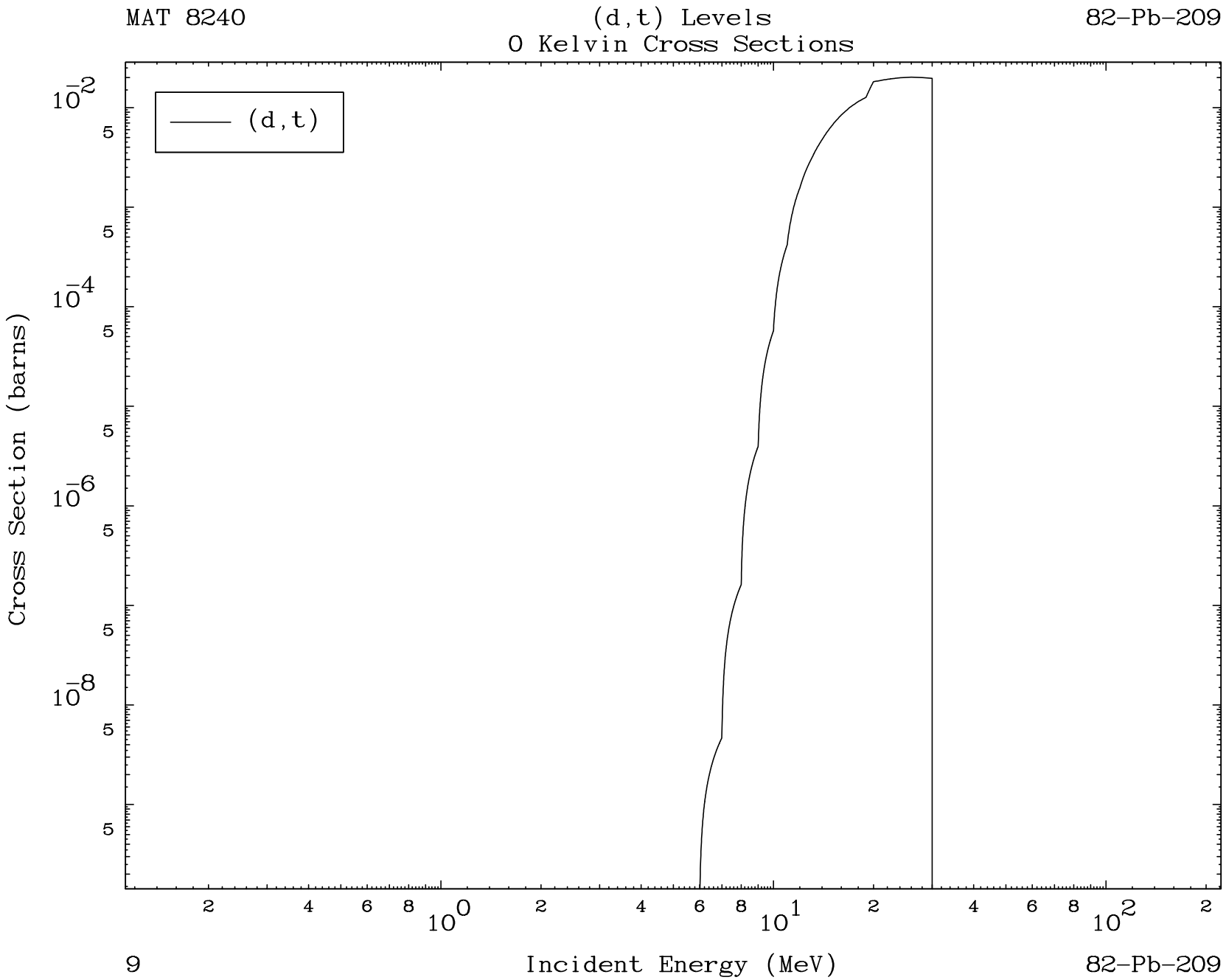

MAT 8240
Deuteron Charged Particle
0 Kelvin Cross Sections
82-Pb-209
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
82-Pb-209

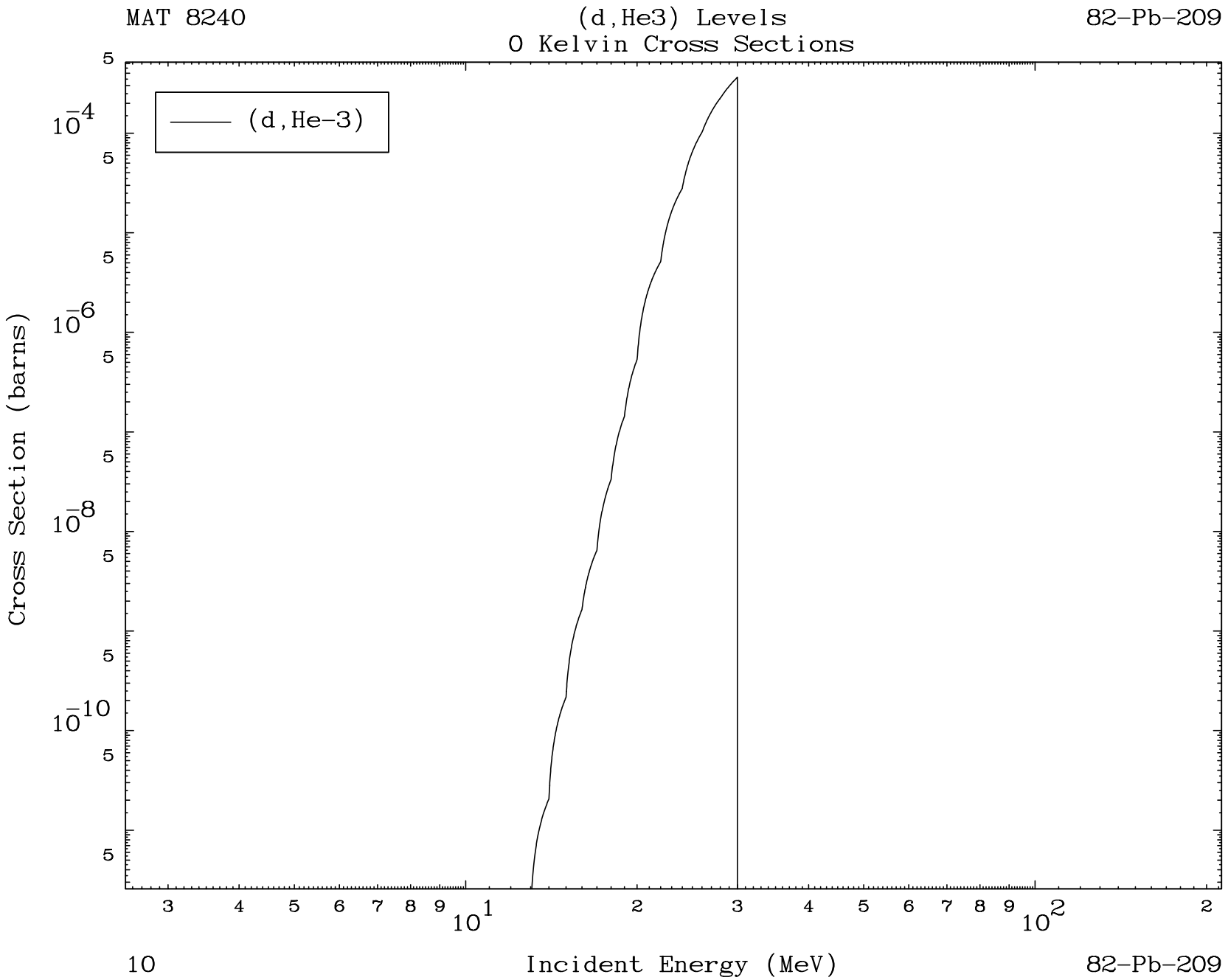

MAT 8240
Deuteron Charged Particle
0 Kelvin Cross Sections
82-Pb-209
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
(d,2α)
(d,2p)
(d,p) α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
5
82-Pb-209

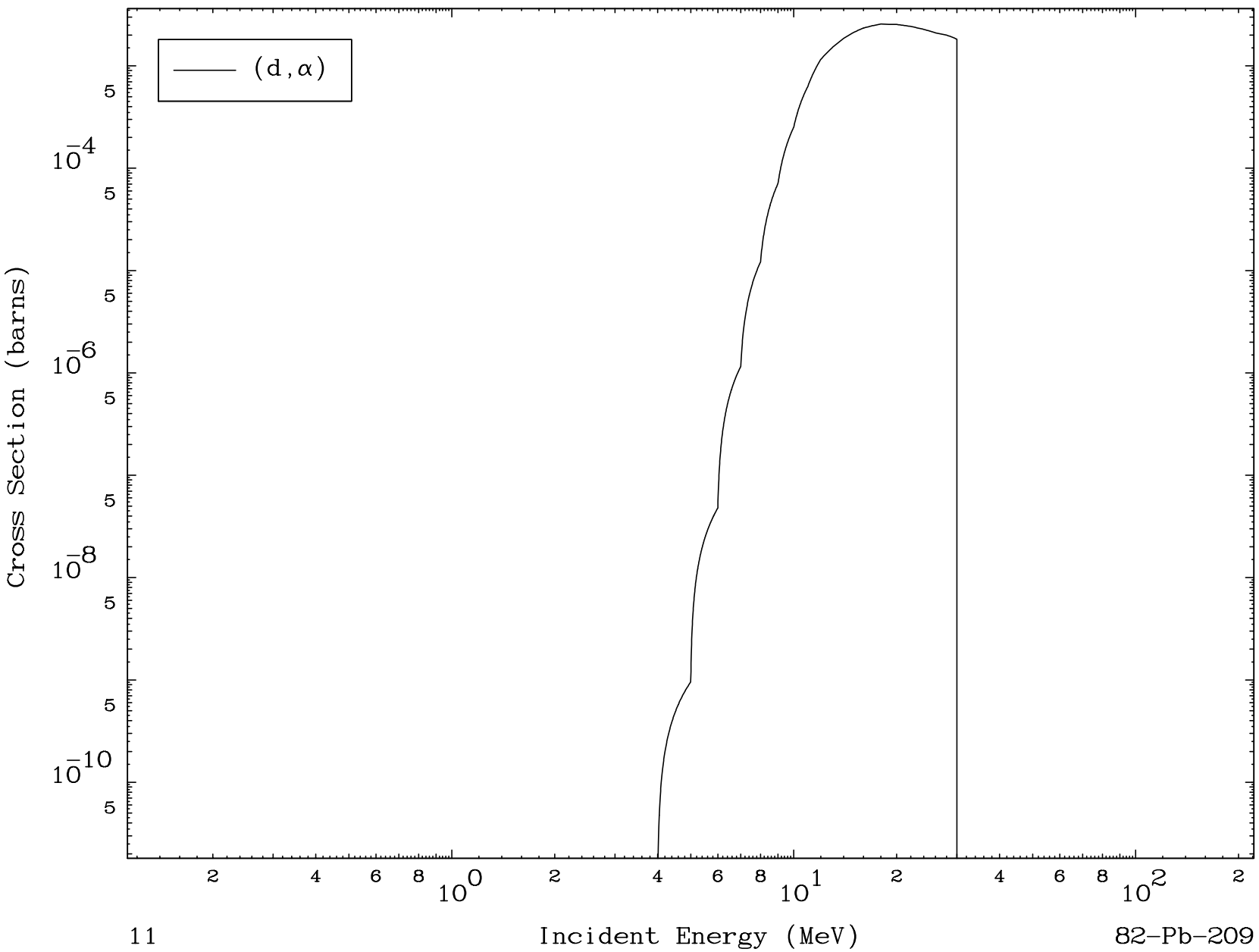

MAT 8240
(d,n') Level
82-Pb-209
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
82-Pb-209

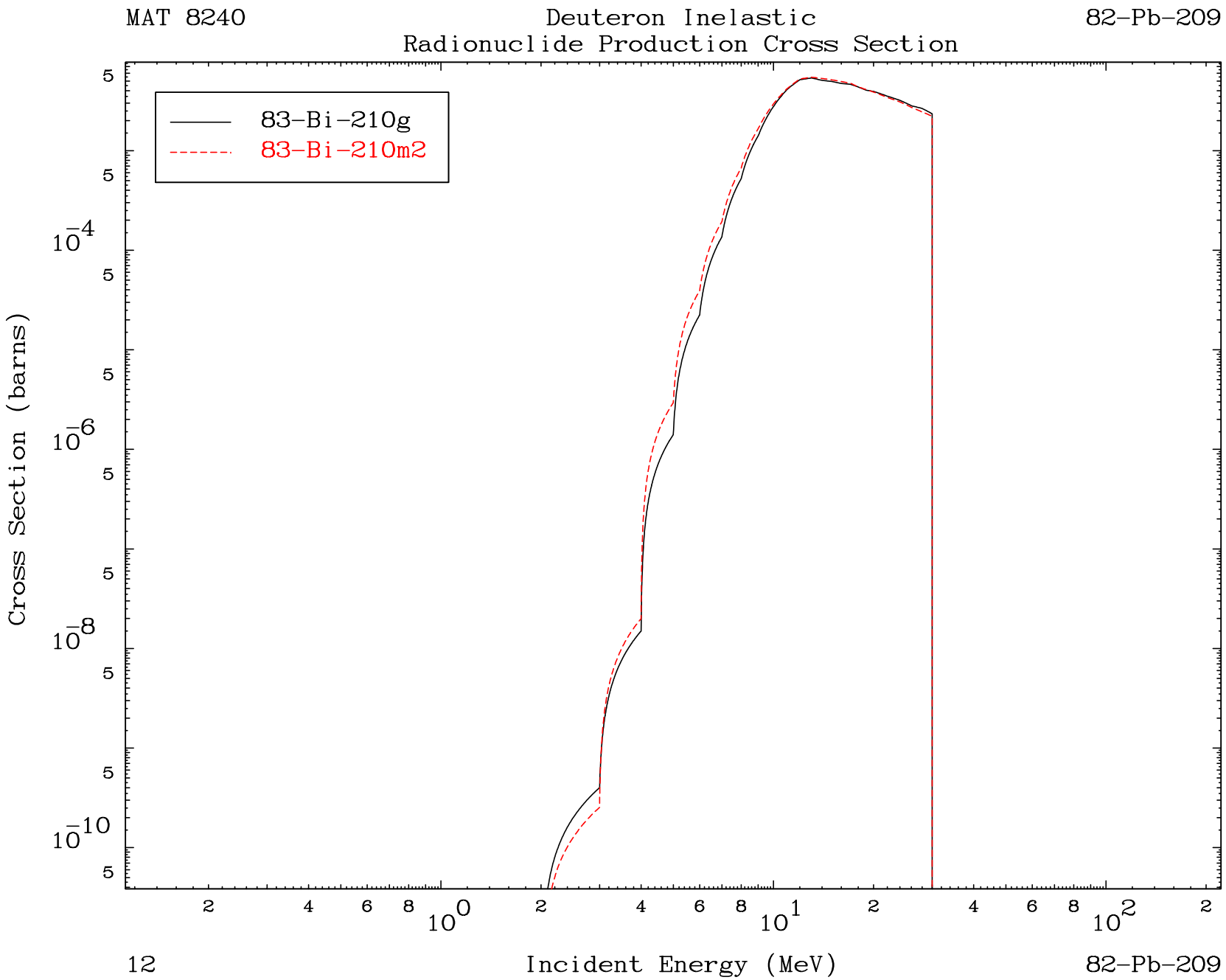

MAT 8240
(d,p) Levels
82-Pb-209
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
7
82-Pb-209

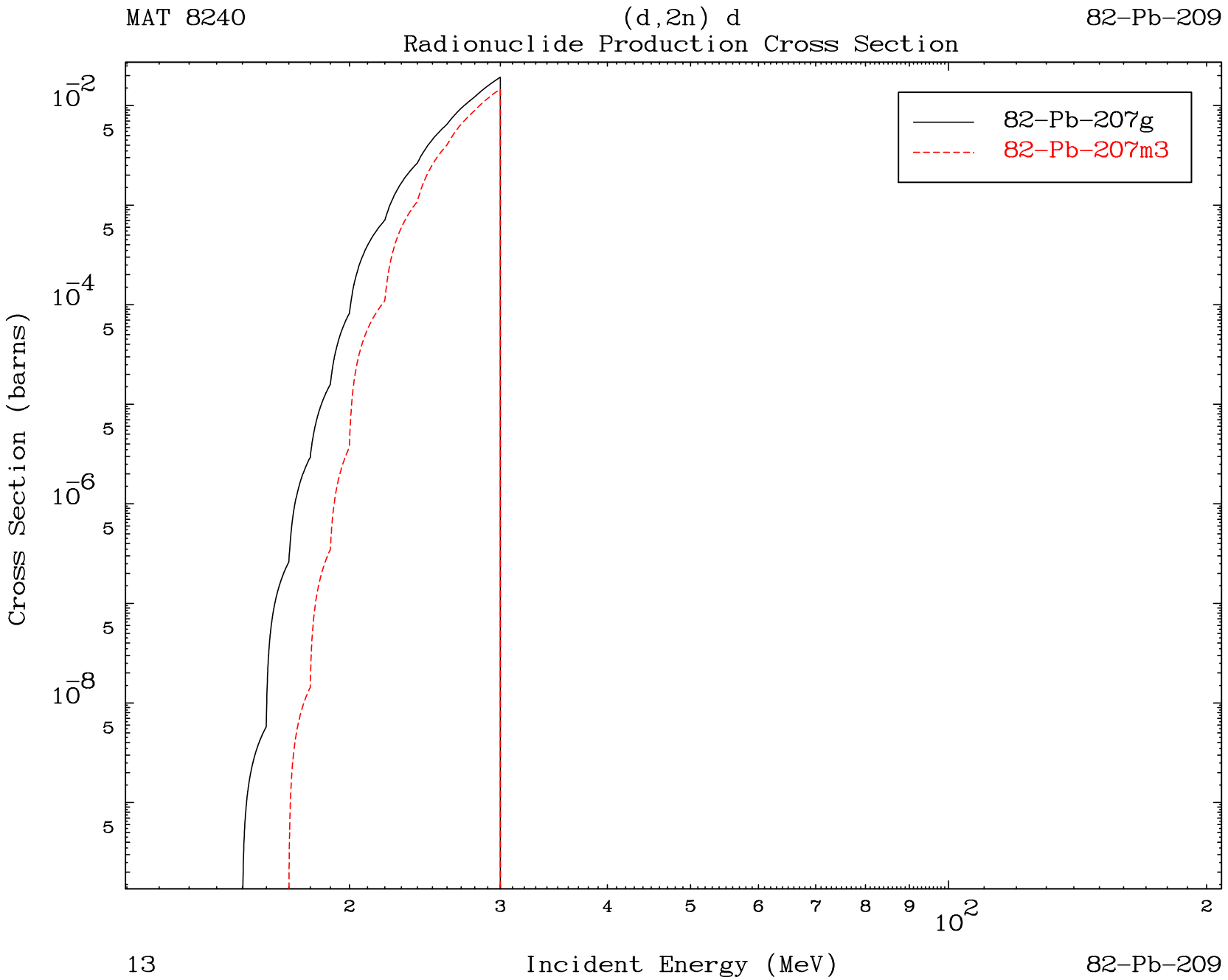

MAT 8240
(d,d) Levels
82-Pb-209
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-209
8

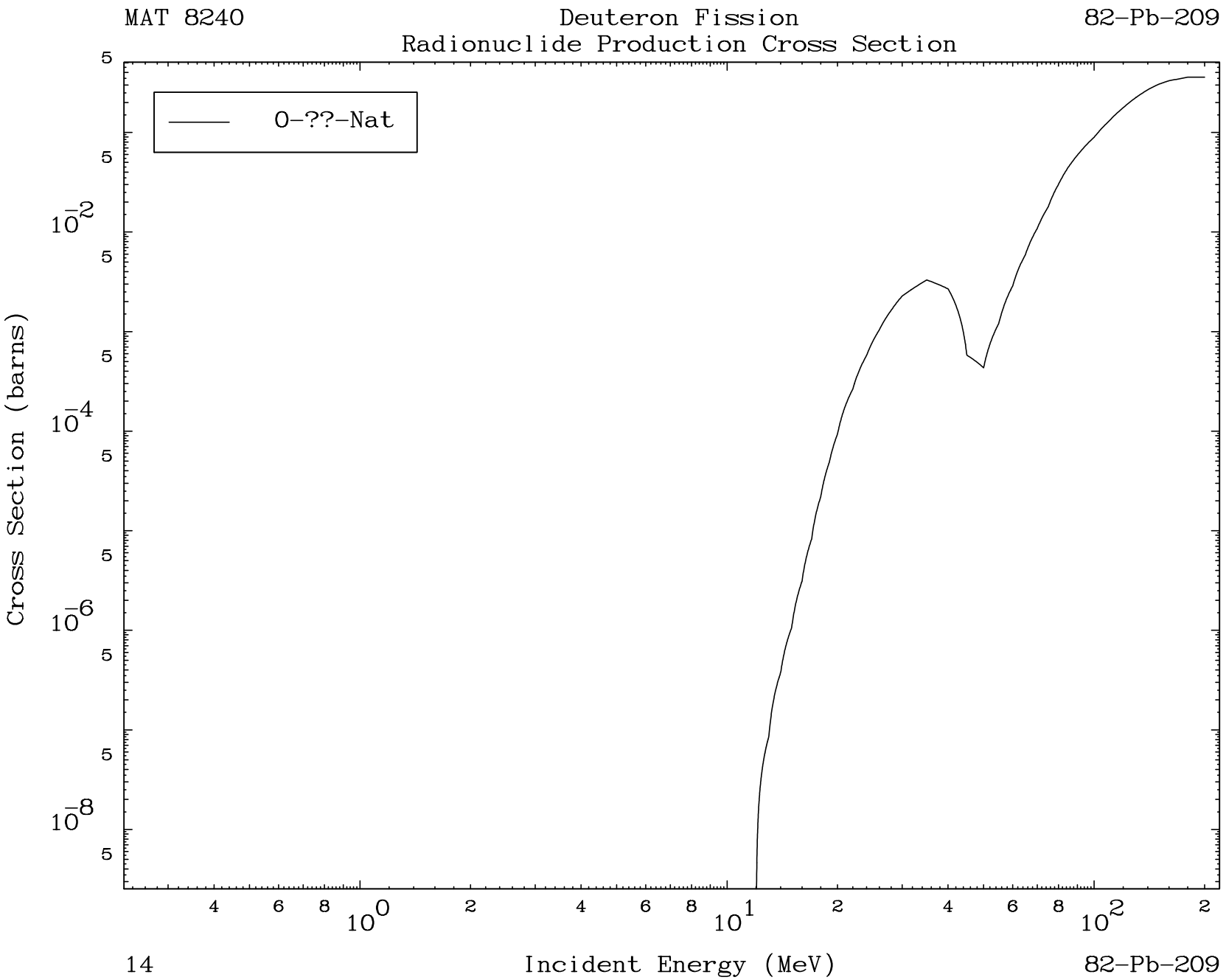

MAT 8240
(d,t) Levels
82-Pb-209
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
9
82-Pb-209

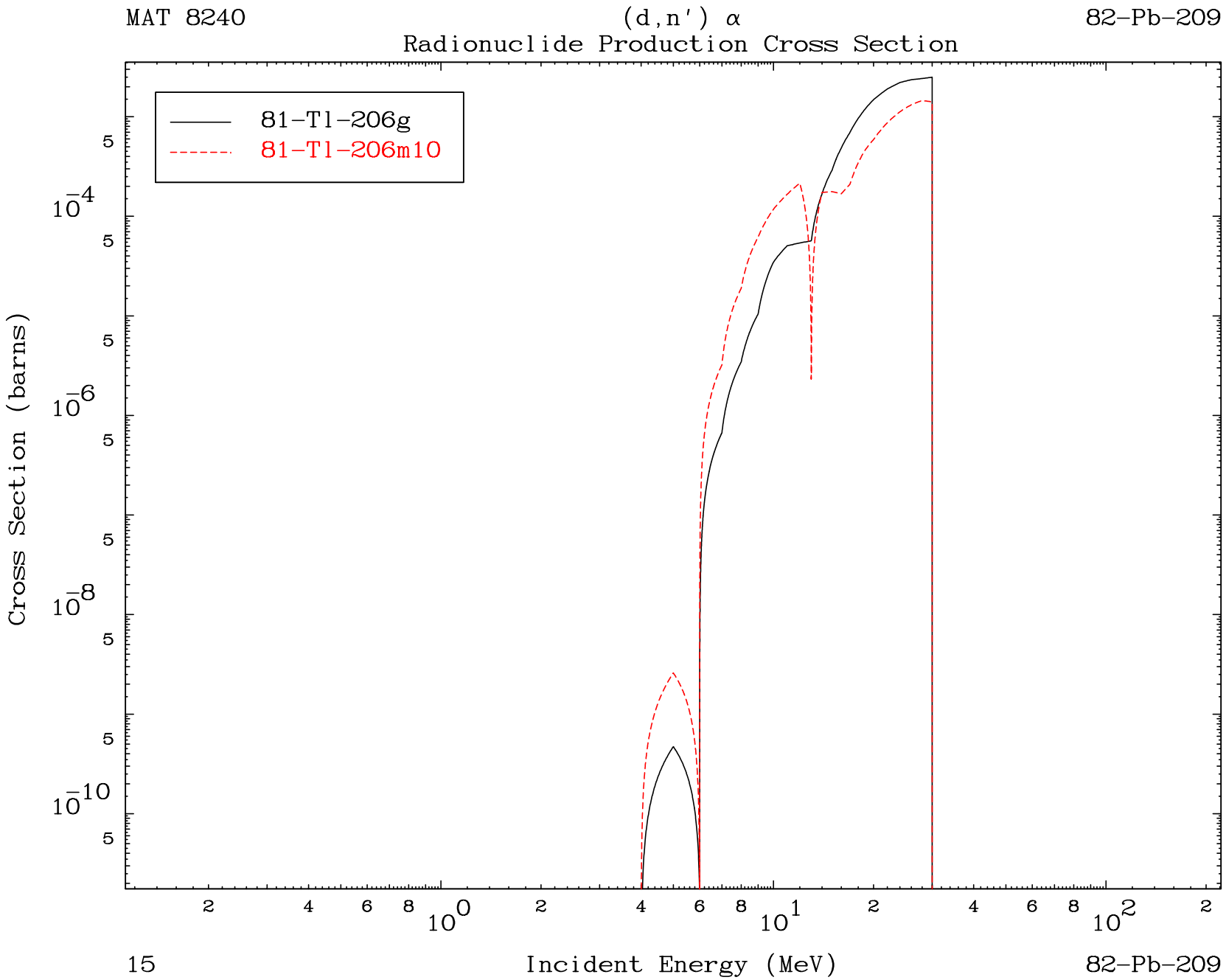

MAT 8240
(d,He3) Levels
82-Pb-209
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-209

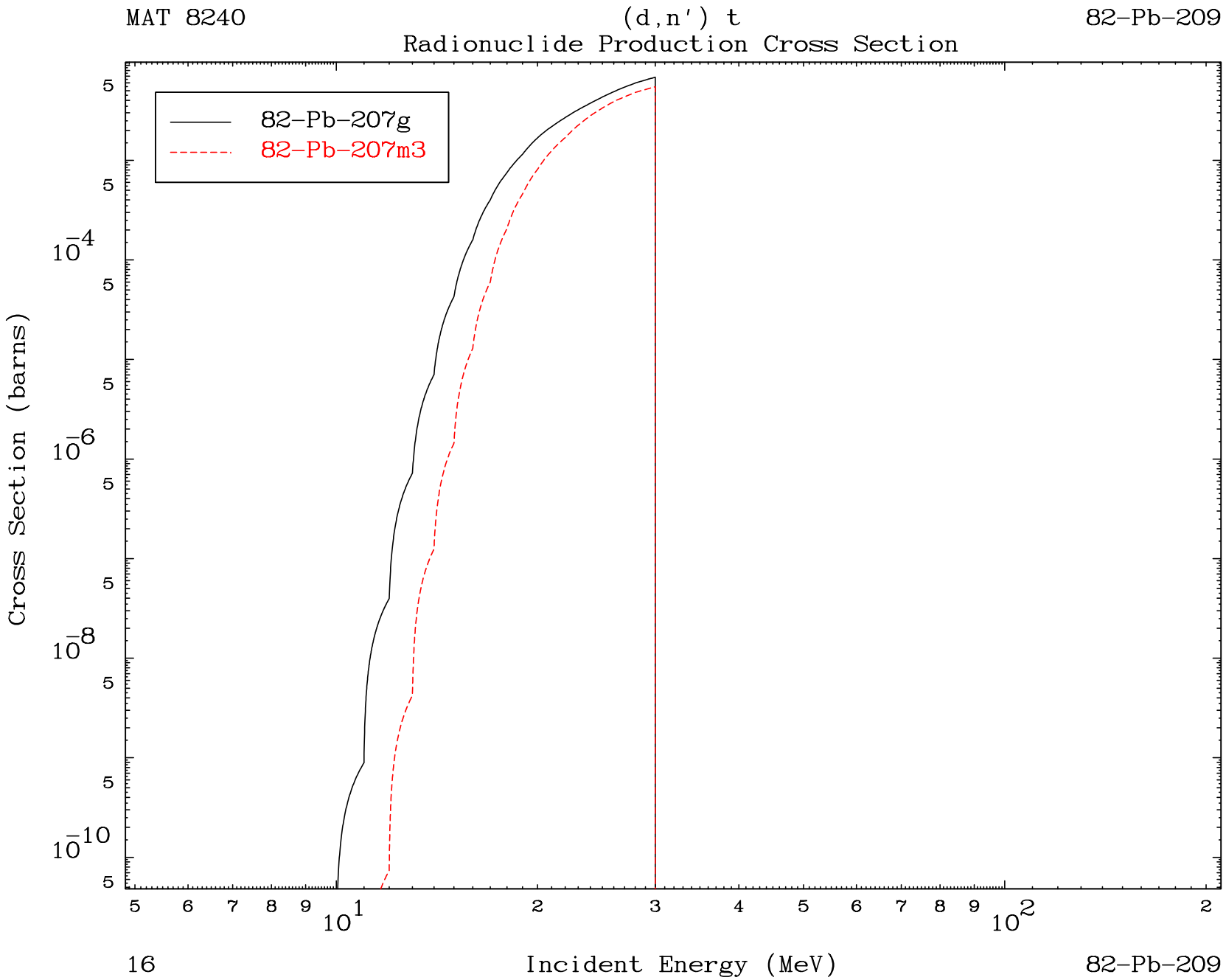

0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
4
6
8
10^0
10^1
10^2
Incident Energy (MeV)

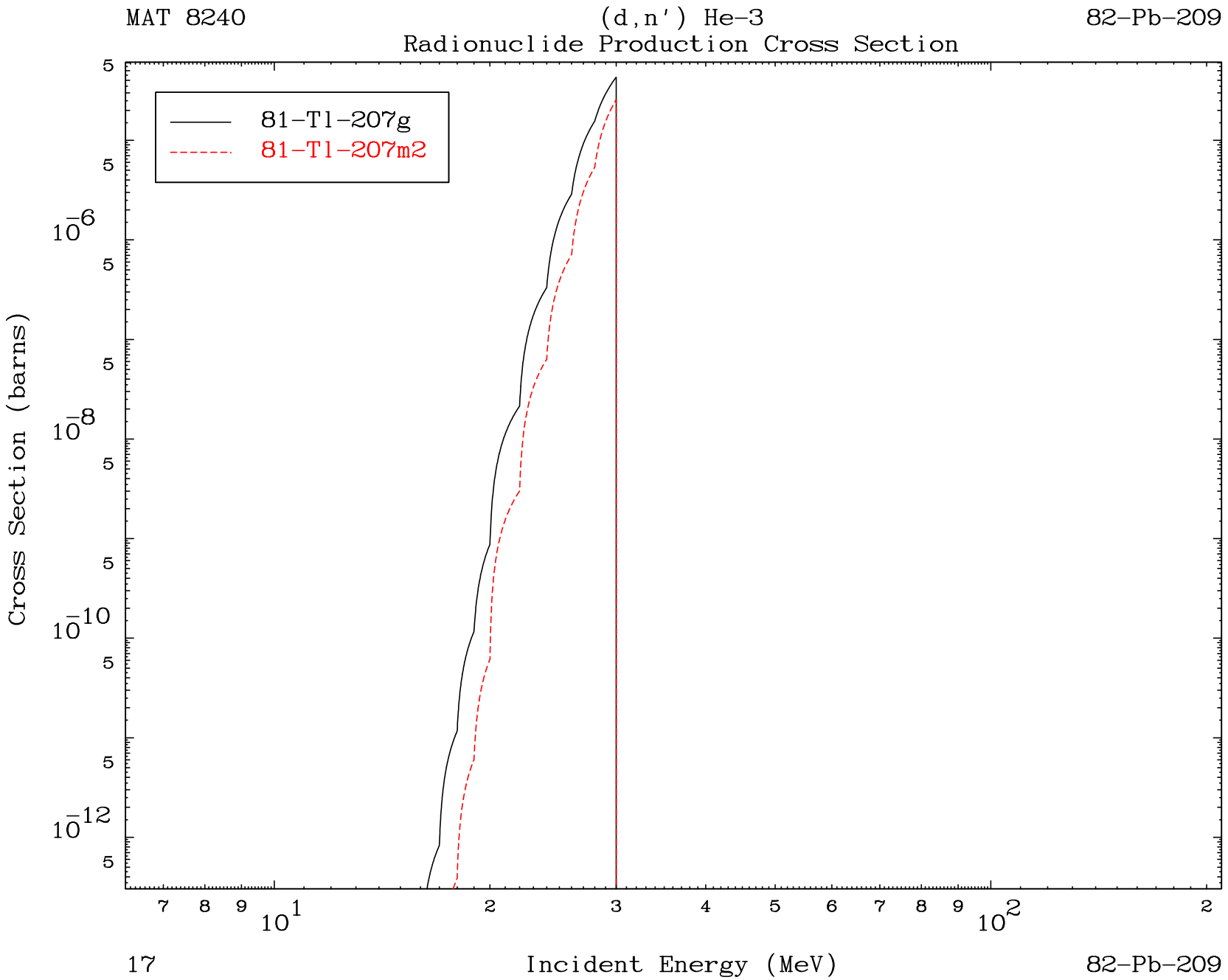

MAT 8240
Deuteron Inelastic
82-Pb-209
Radionuclide Production Cross Section
83-Bi-210g
83-Bi-210m2
Cross Section (barns)
Incident Energy (MeV)
12
82-Pb-209

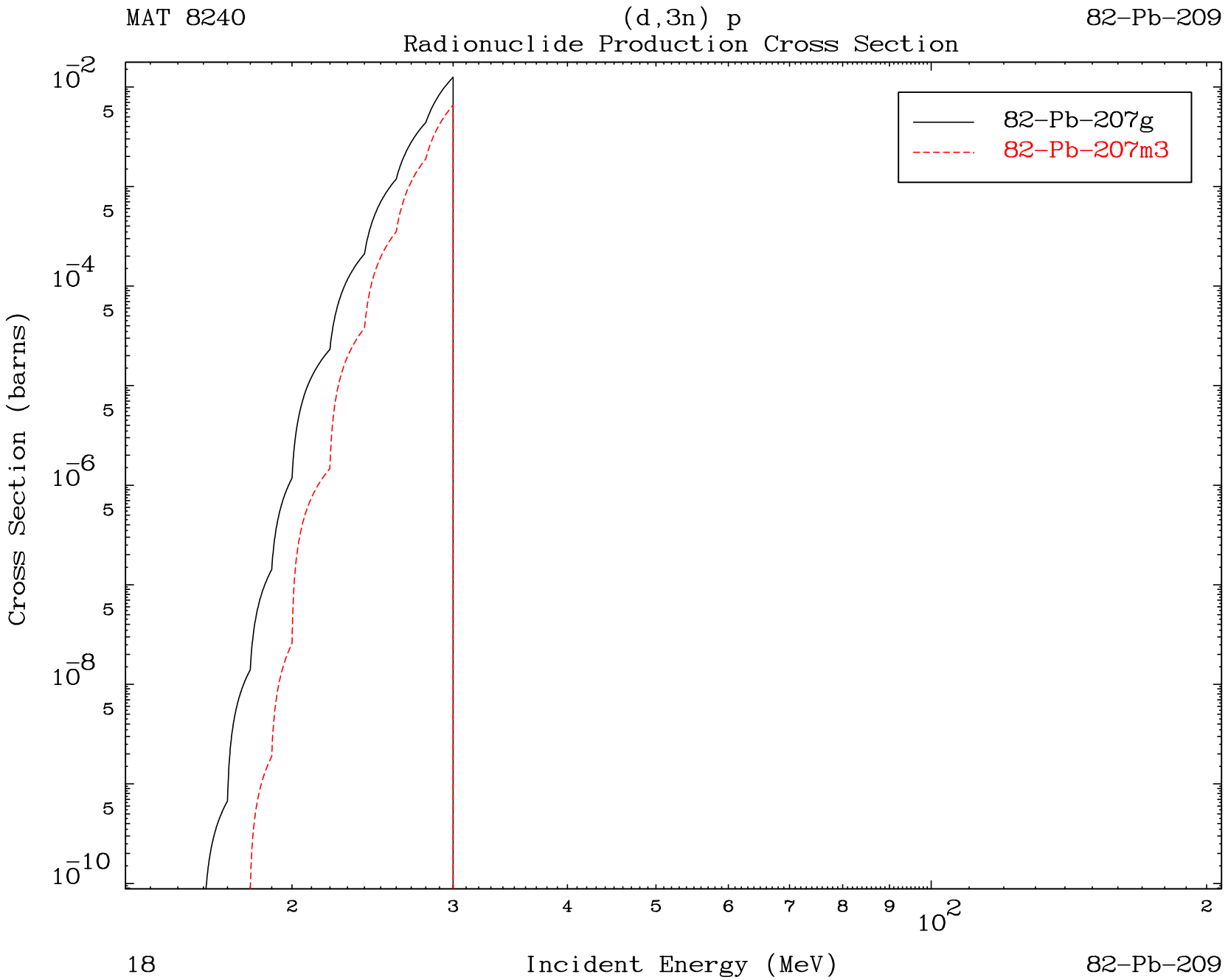

MAT 8240
(d,2n) d
82-Pb-209
Radionuclide Production Cross Section
82-Pb-207g
82-Pb-207m3
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
82-Pb-209

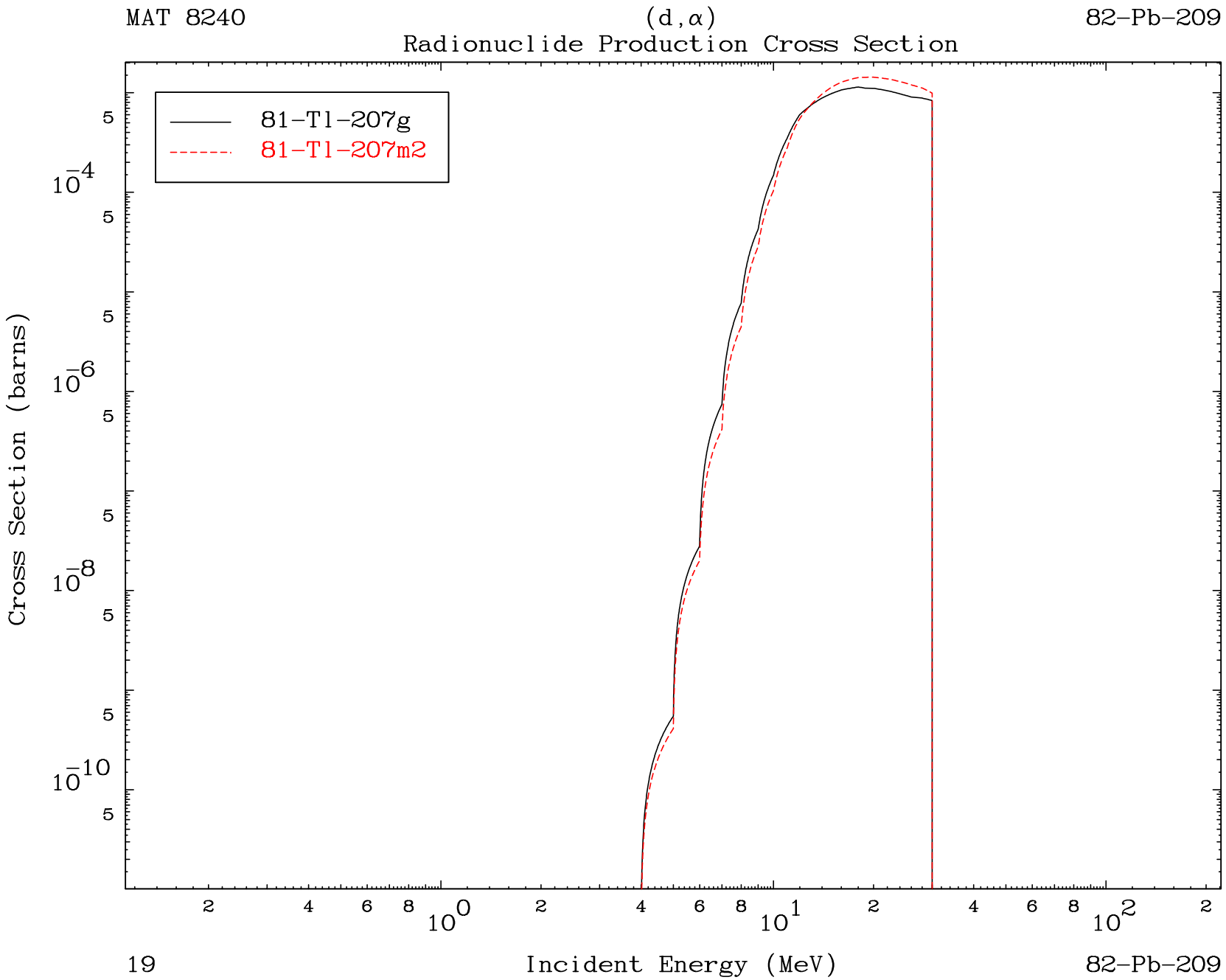

MAT 8240
Deuteron Fission
82-Pb-209
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
14
82-Pb-209

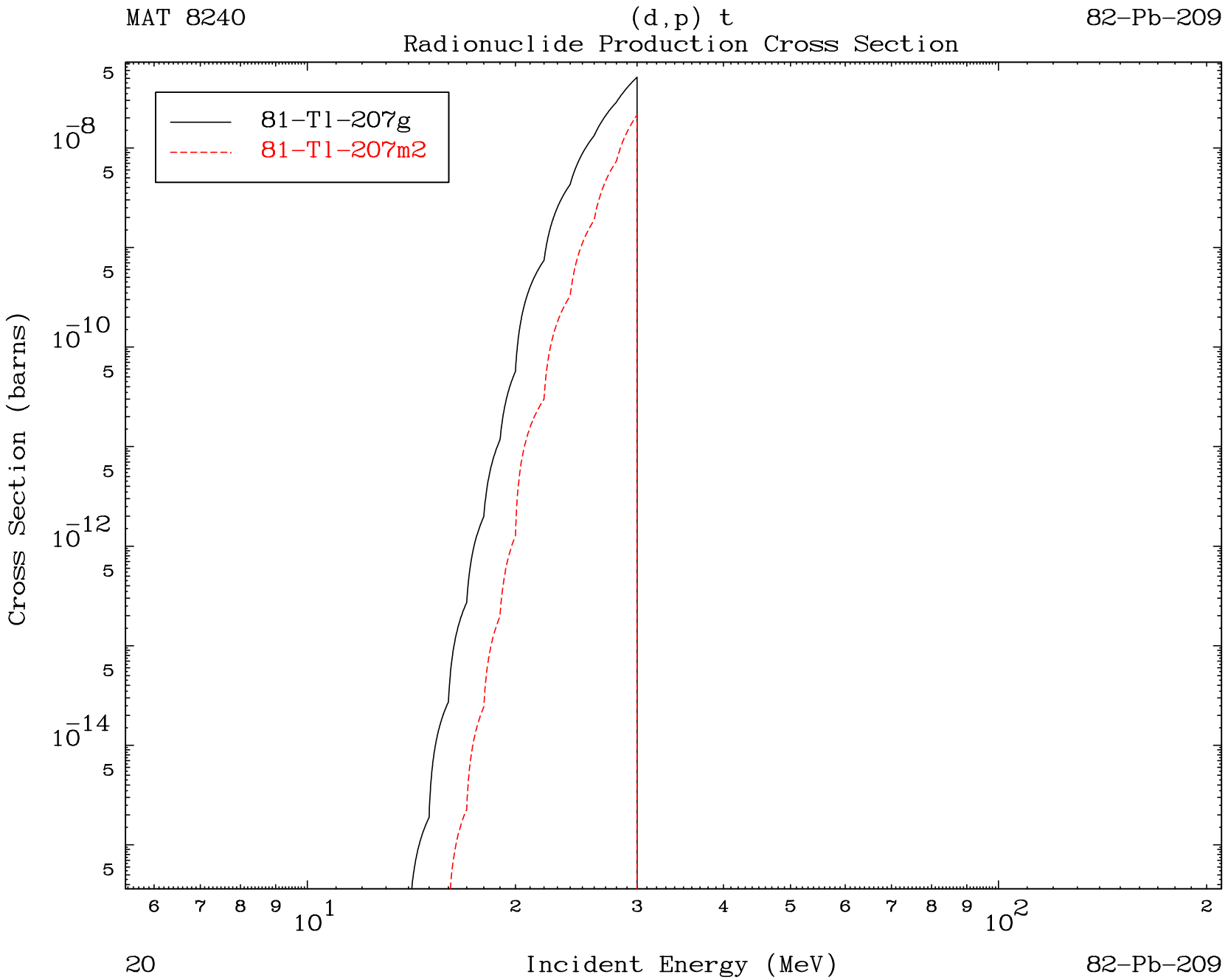

MAT 8240
(d,n') α
82-Pb-209
Radionuclide Production Cross Section
81-Tl-206g
81-Tl-206m10
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
15
82-Pb-209


MAT 8240
(d,n') t
82-Pb-209
Radionuclide Production Cross Section
82-Pb-207g
82-Pb-207m3
Cross Section (barns)
Incident Energy (MeV)
16
82-Pb-209


MAT 8240
(d,n') He-3
82-Pb-209
Radionuclide Production Cross Section
81-Tl-207g
81-Tl-207m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
7 8 9
10^1
2 3 4 5 6 7 8 9
10^2
2
17
Incident Energy (MeV)
82-Pb-209


MAT 8240
(d,3n) p
82-Pb-209
Radionuclide Production Cross Section
82-Pb-207g
82-Pb-207m3
Cross Section (barns)
Incident Energy (MeV)
18
82-Pb-209


MAT 8240
(d,α)
82-Pb-209
Radionuclide Production Cross Section
81-Tl-207g
81-Tl-207m2
Cross Section (barns)
Incident Energy (MeV)
19
82-Pb-209


MAT 8240
(d,p) t
82-Pb-209
Radionuclide Production Cross Section
81-Tl-207g
81-Tl-207m2
Cross Section (barns)
Incident Energy (MeV)
20
82-Pb-209