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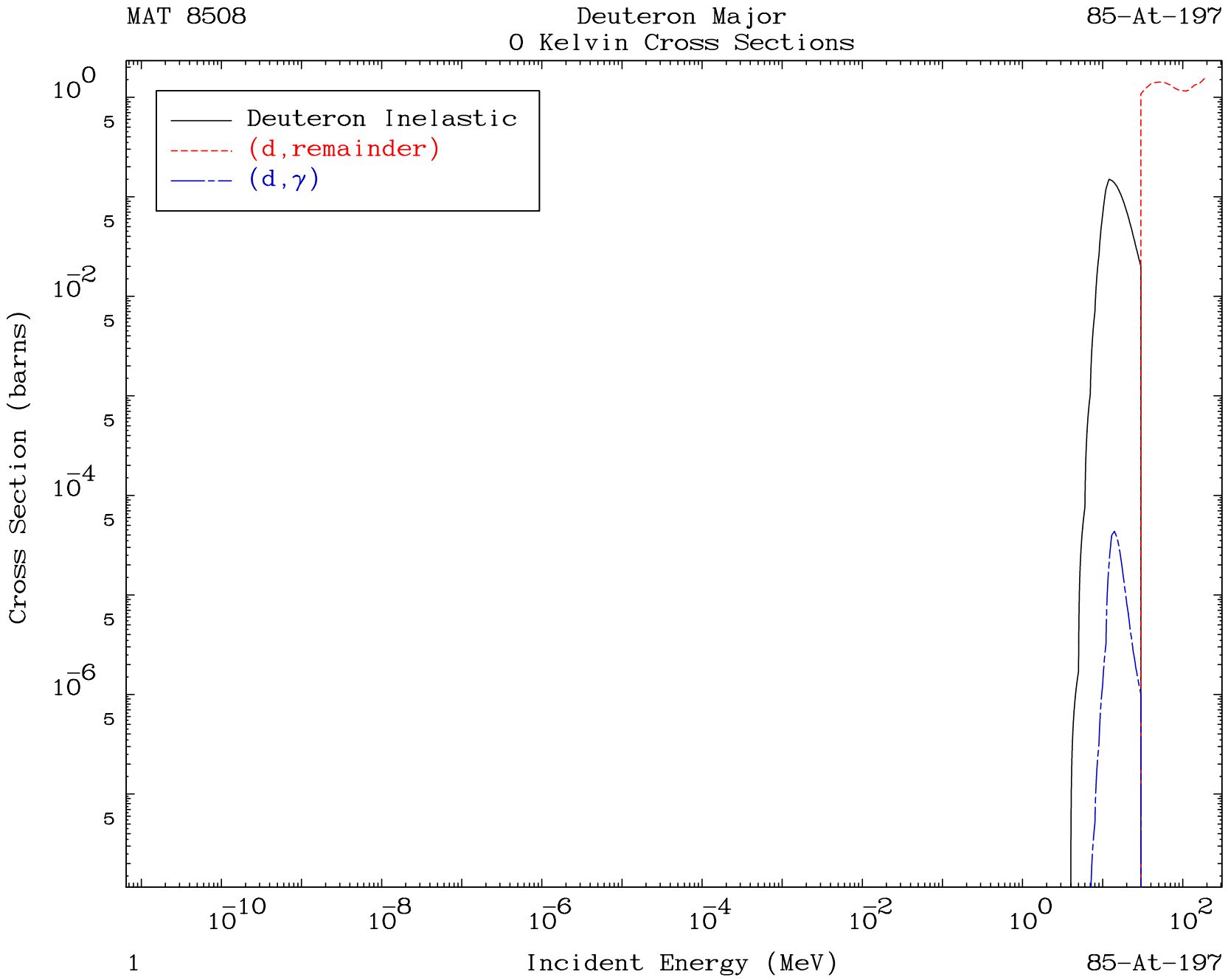
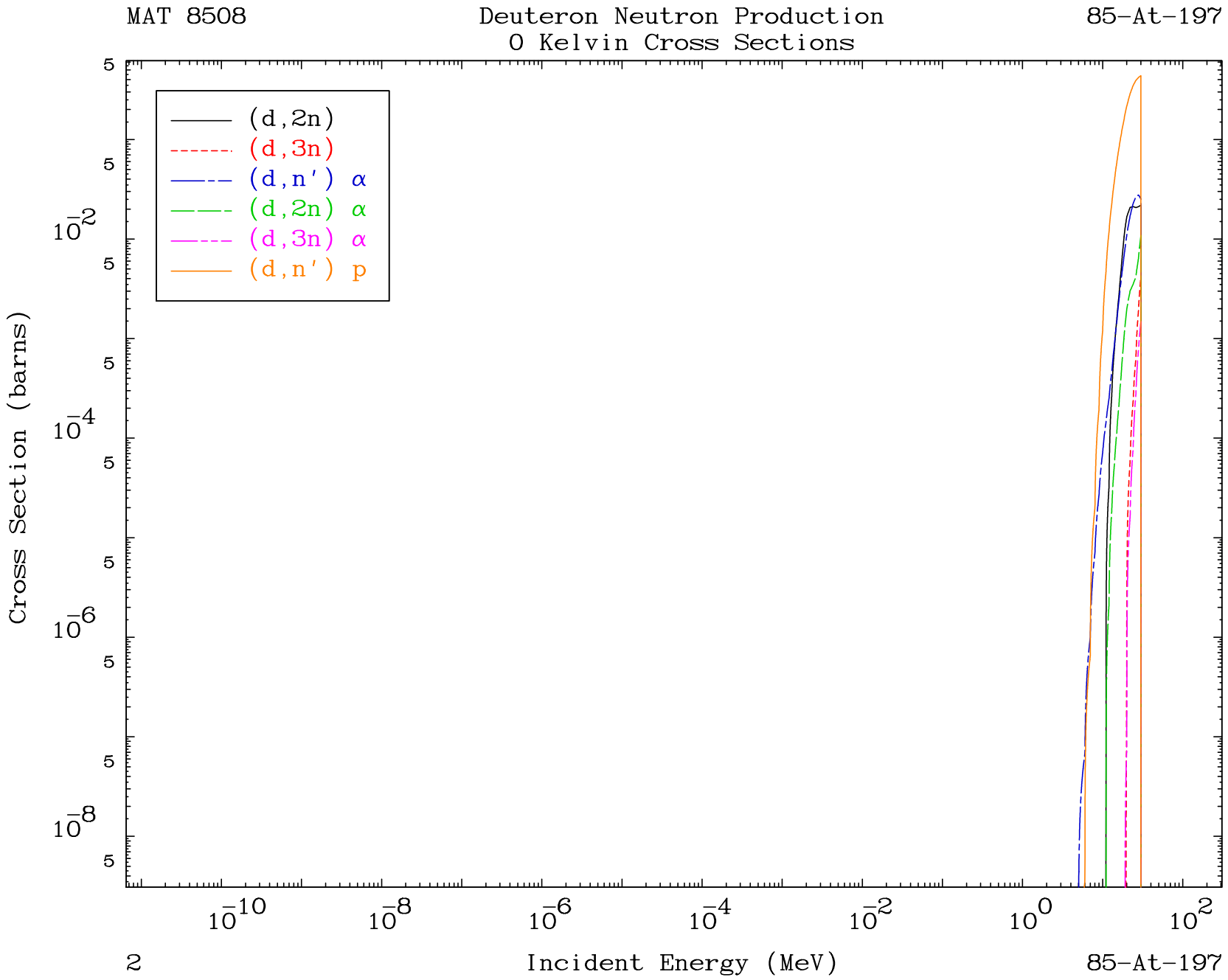
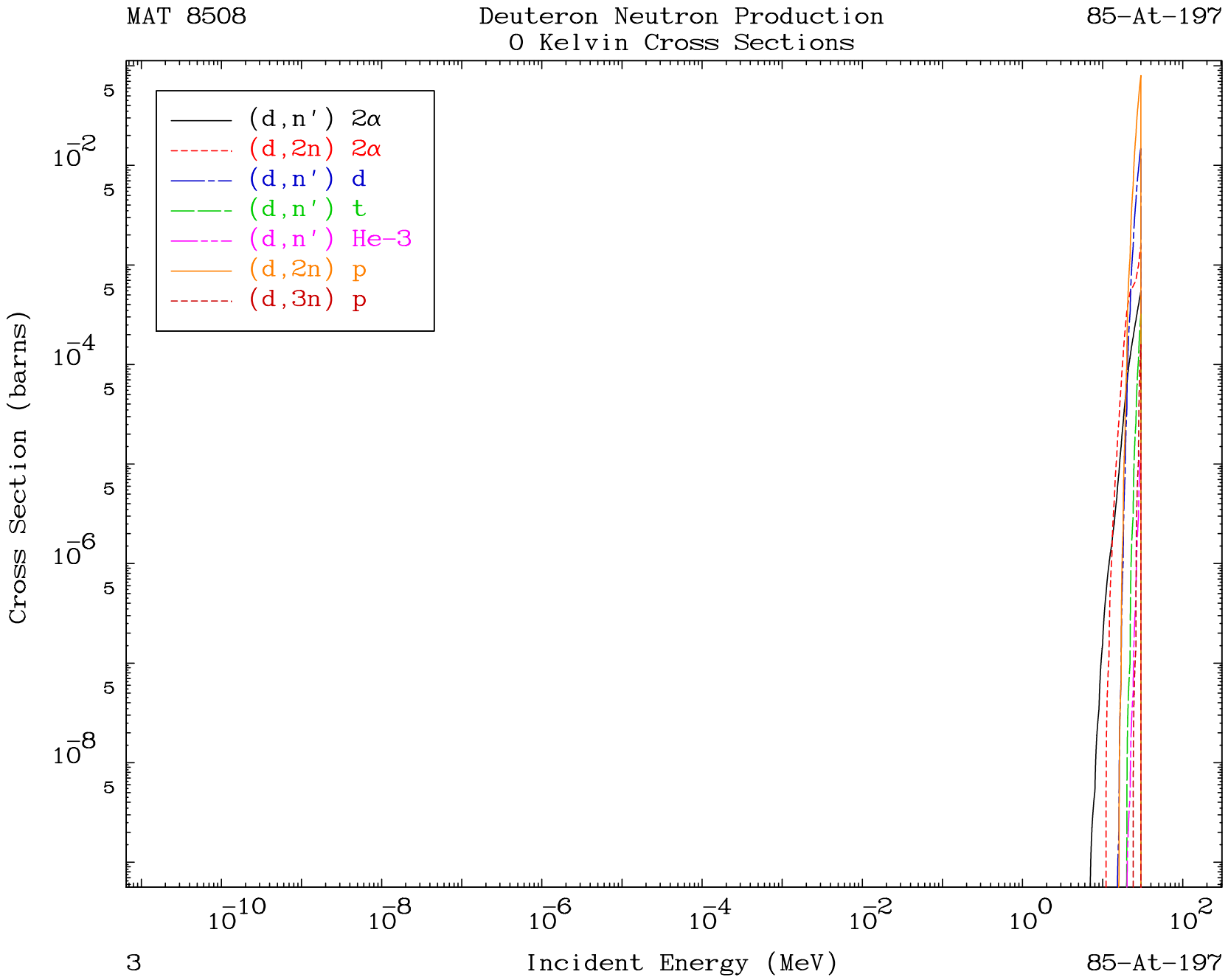
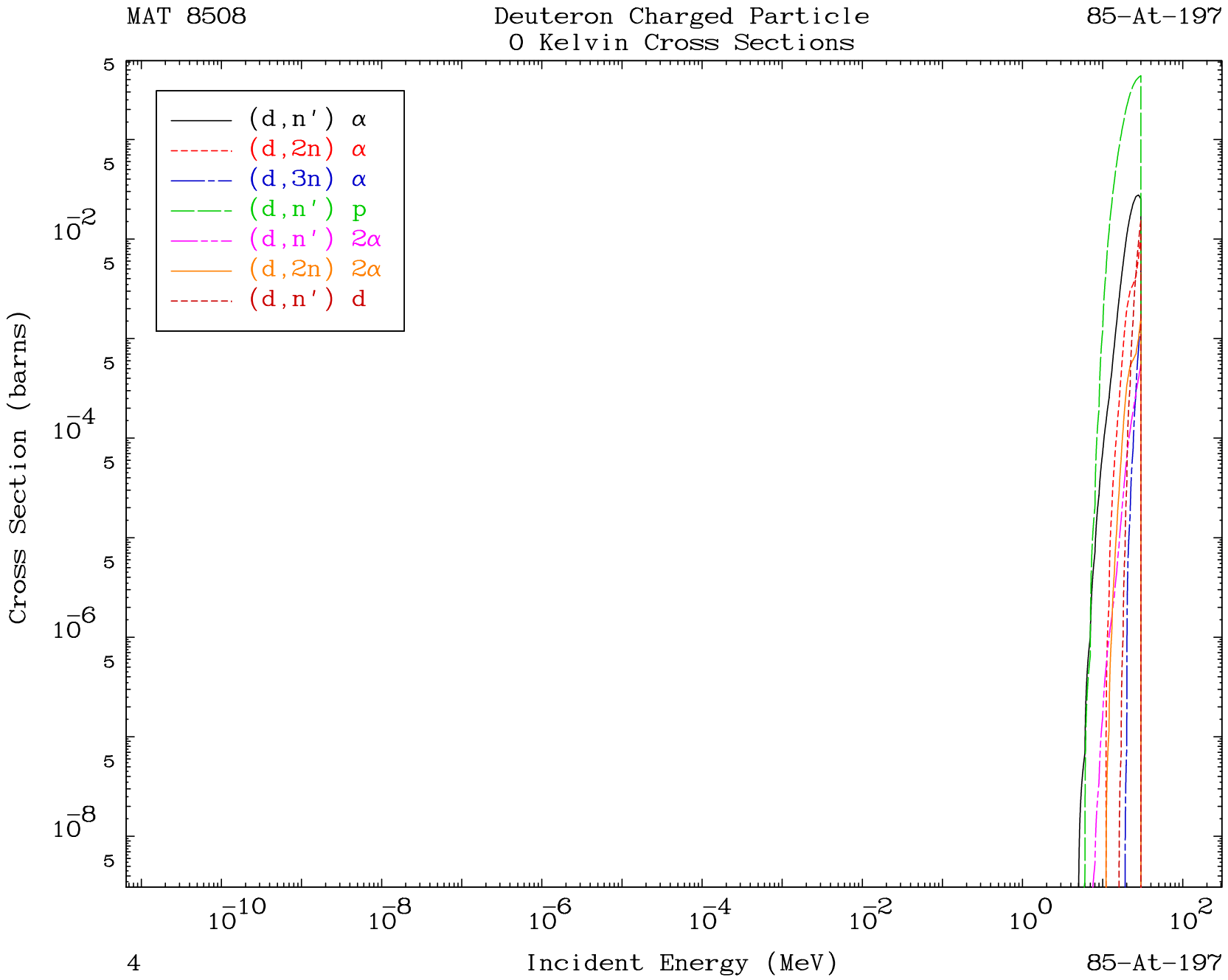
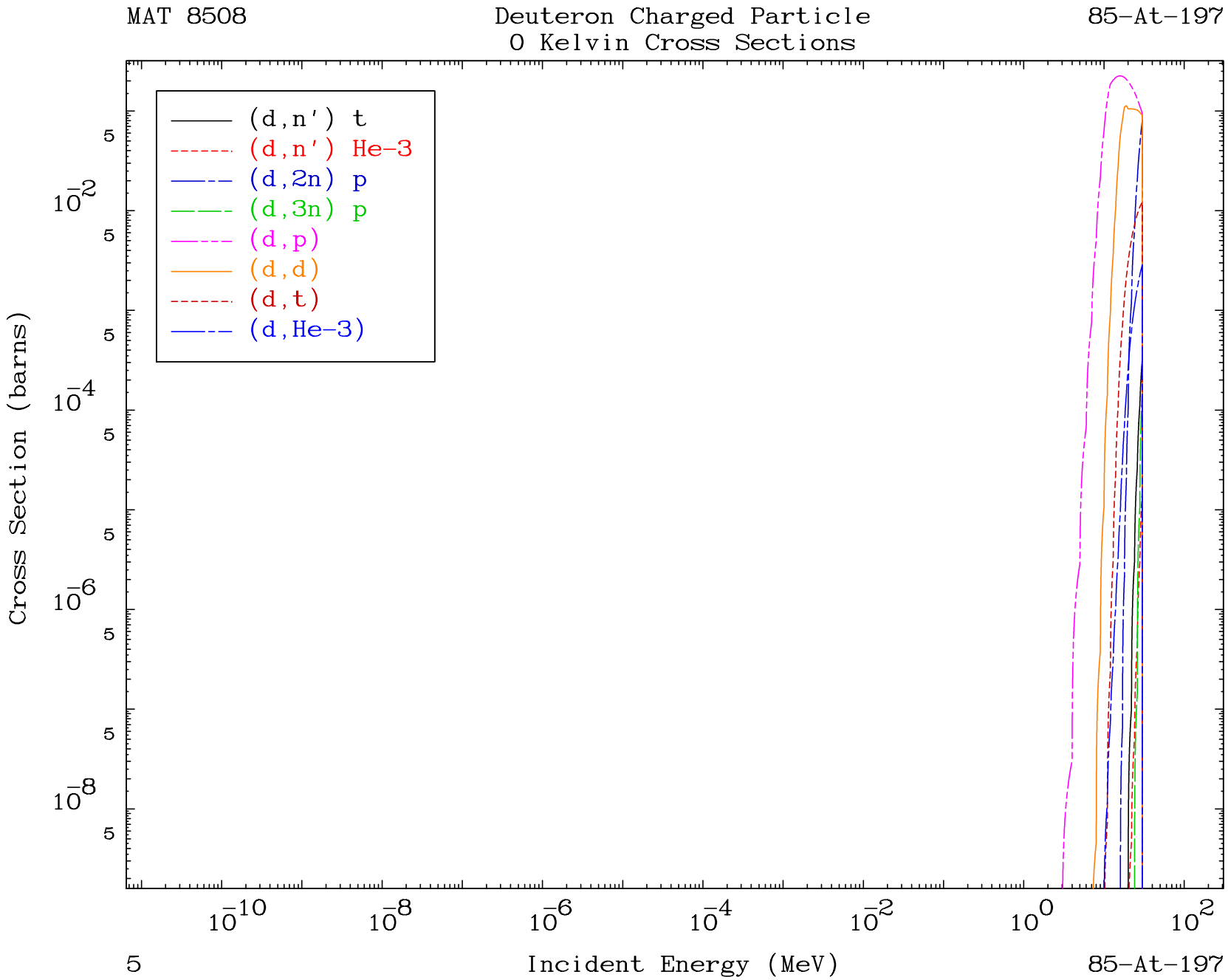
Press Mouse Button to Start

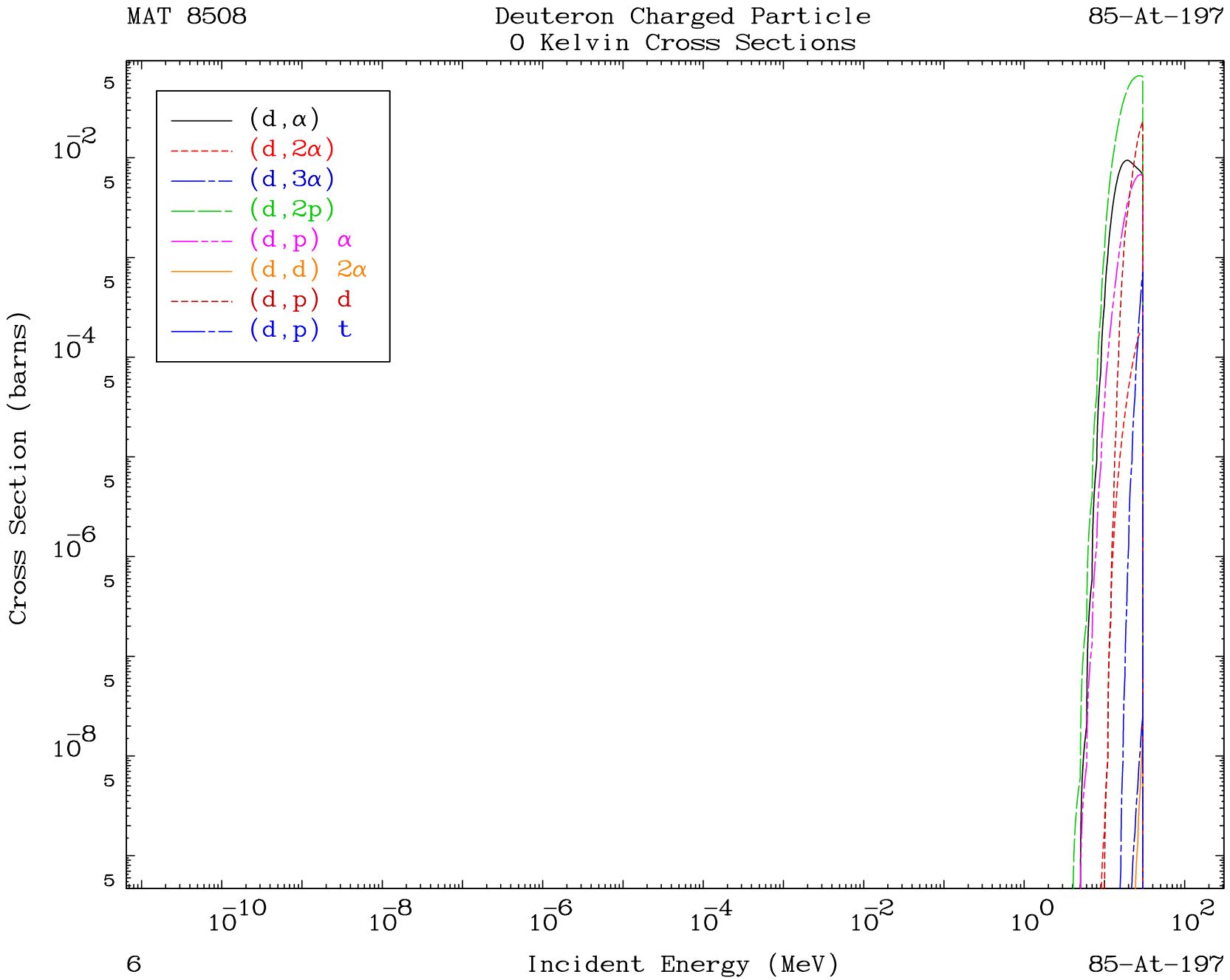

MAT 8508
Deuteron Major
85-At-197
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
85-At-197
1

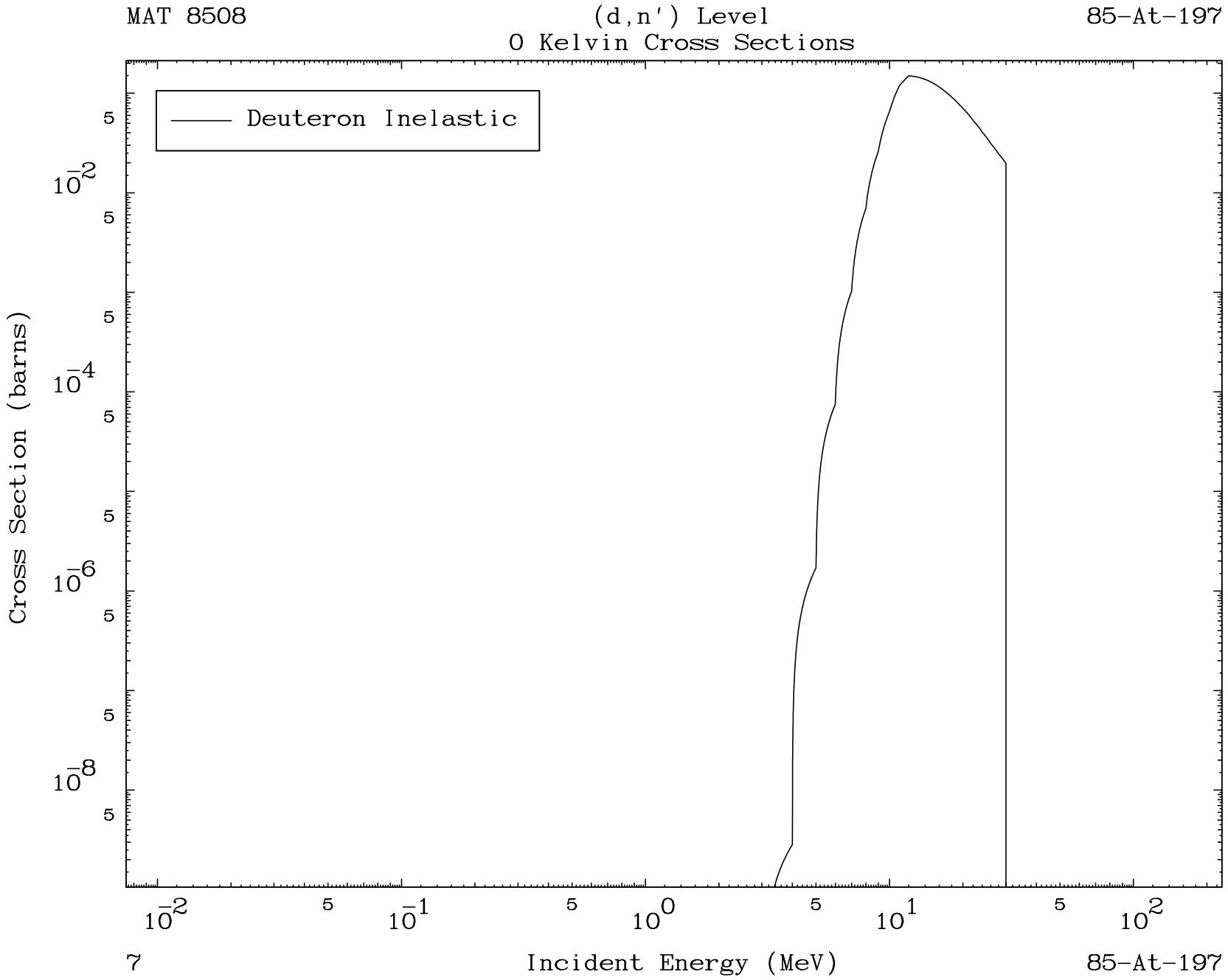

MAT 8508
Deuteron Neutron Production
0 Kelvin Cross Sections
85-At-197
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
Cross Section (barns)
Incident Energy (MeV)
2
85-At-197

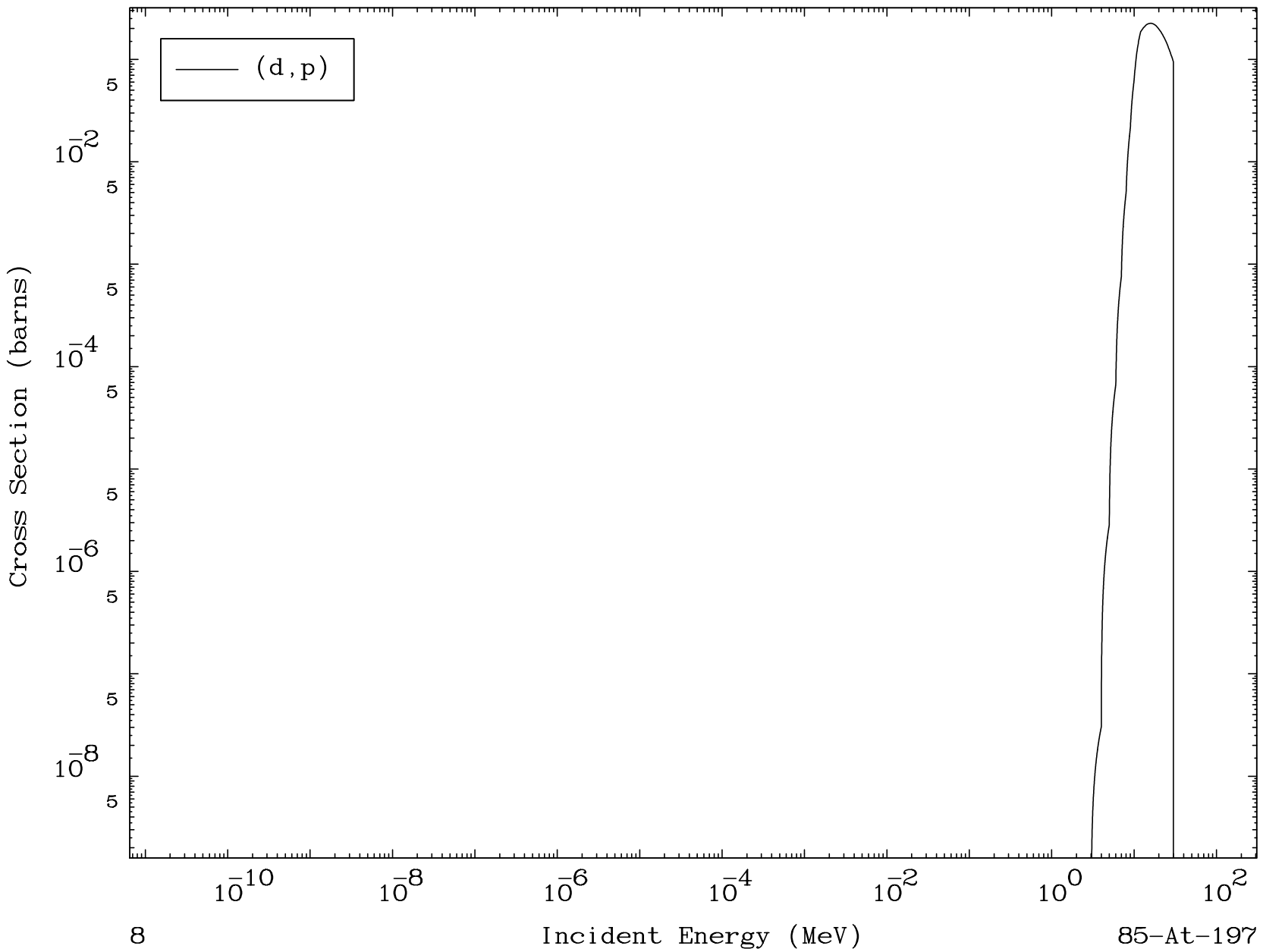

MAT 8508
Deuteron Neutron Production
0 Kelvin Cross Sections
85-At-197
(d,n') 2α
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
85-At-197

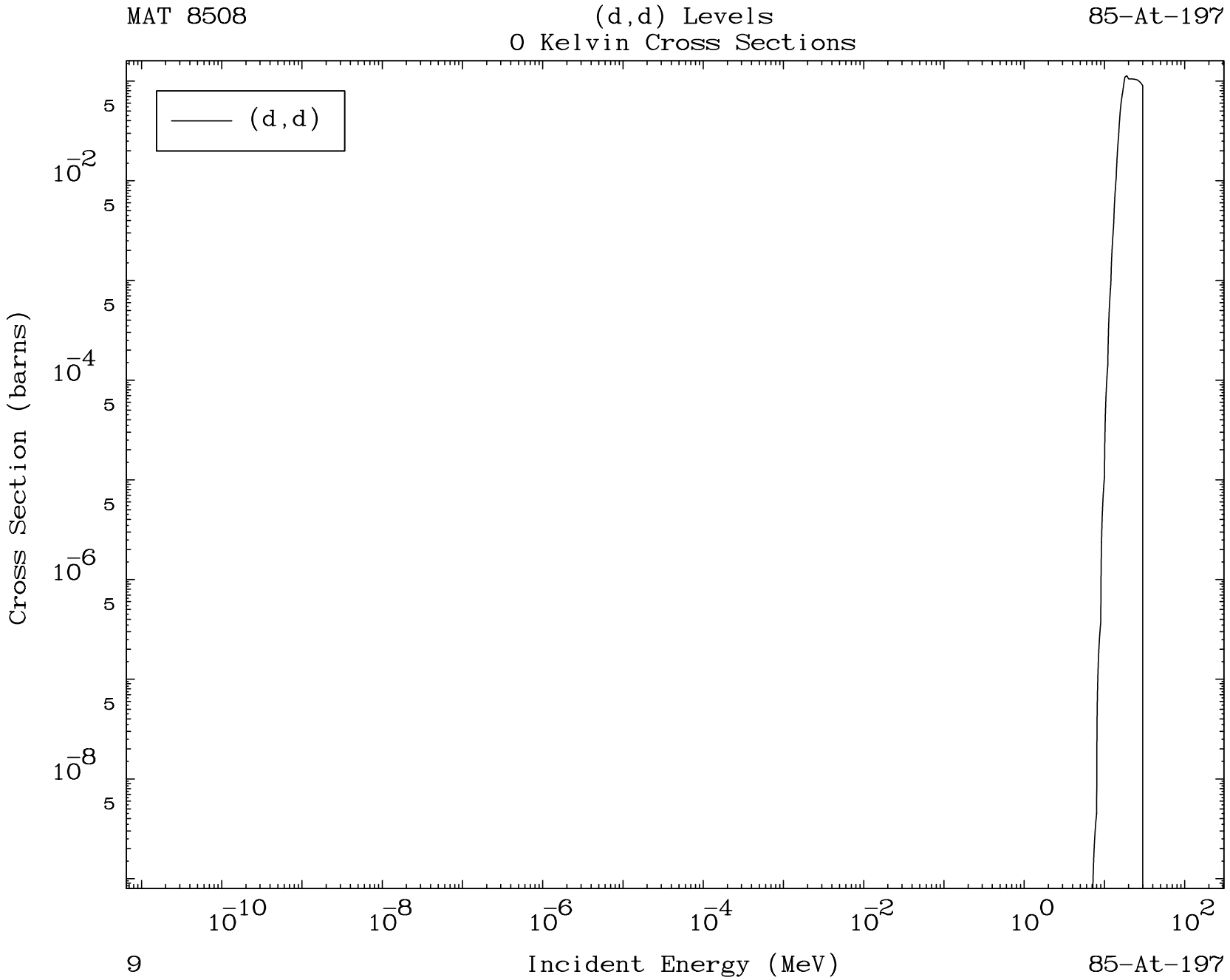

MAT 8508
Deuteron Charged Particle
0 Kelvin Cross Sections
85-At-197
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,2n) 2α
(d,n') d
Cross Section (barns)
Incident Energy (MeV)
4
85-At-197

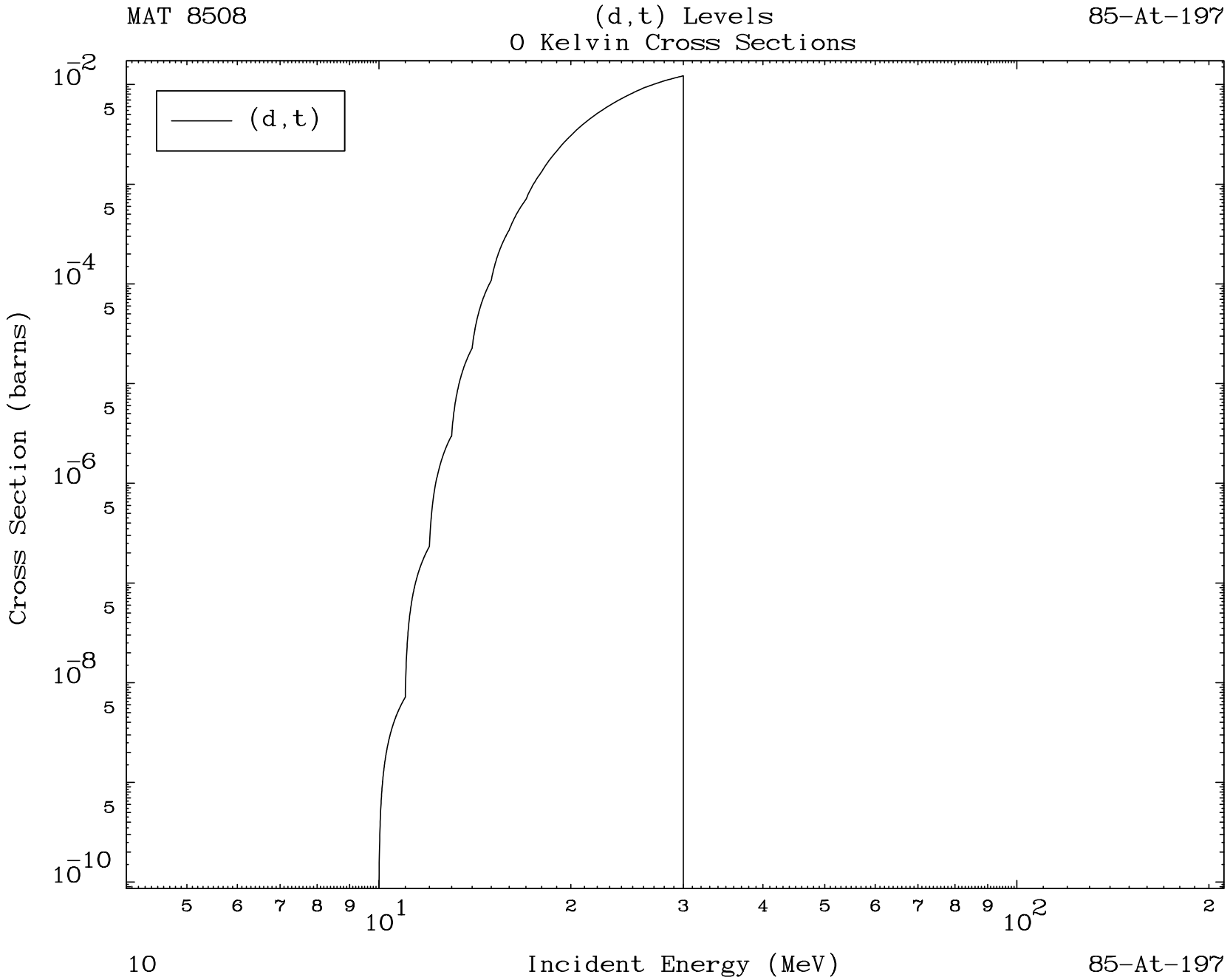

MAT 8508
Deuteron Charged Particle
0 Kelvin Cross Sections
85-At-197
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
(d,p)
(d,d)
(d,t)
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
85-At-197

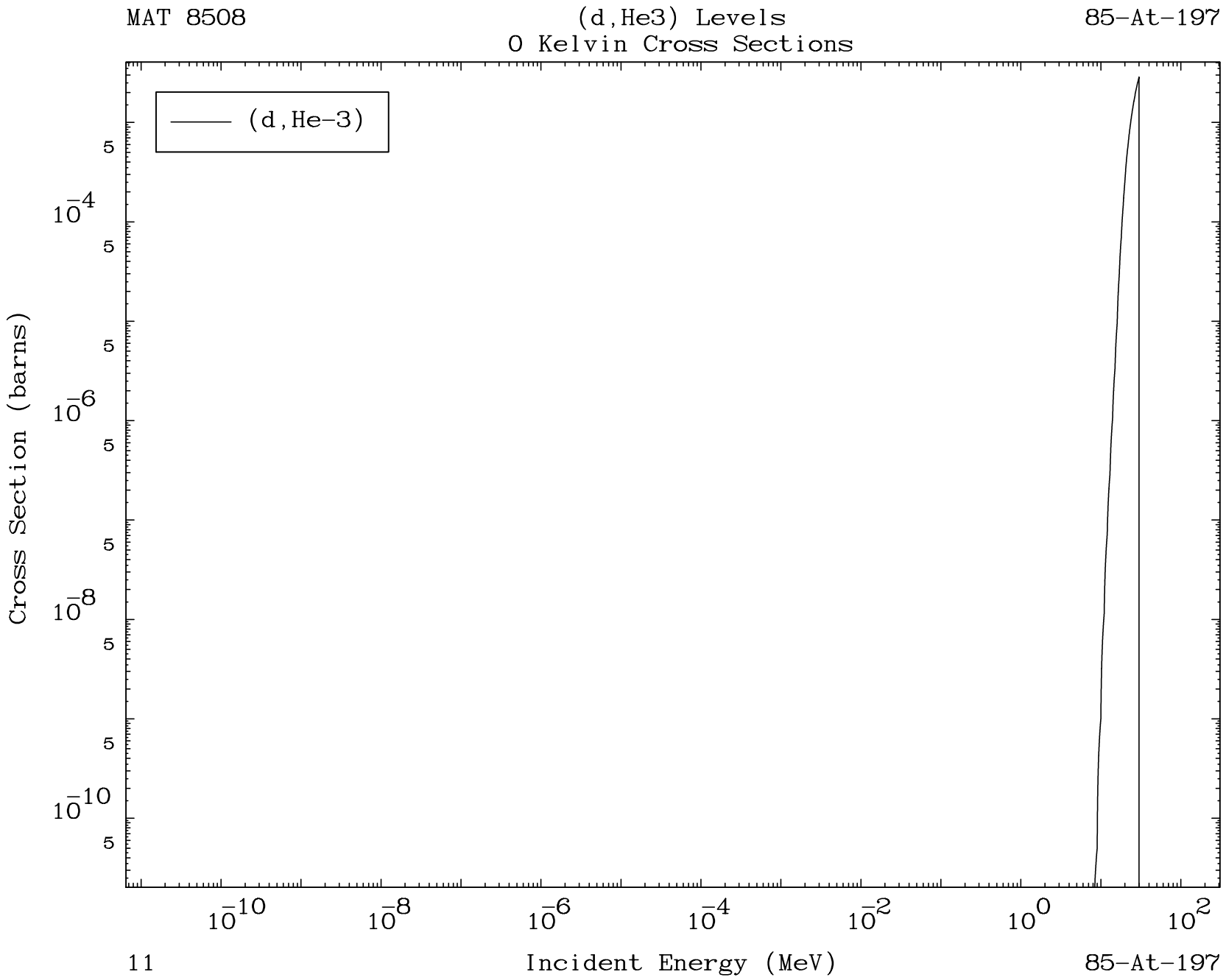

MAT 8508
Deuteron Charged Particle
0 Kelvin Cross Sections
85-At-197
(d,α)
(d,2α)
(d,3α)
(d,2p)
(d,p) α
(d,d) 2α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
6
85-At-197

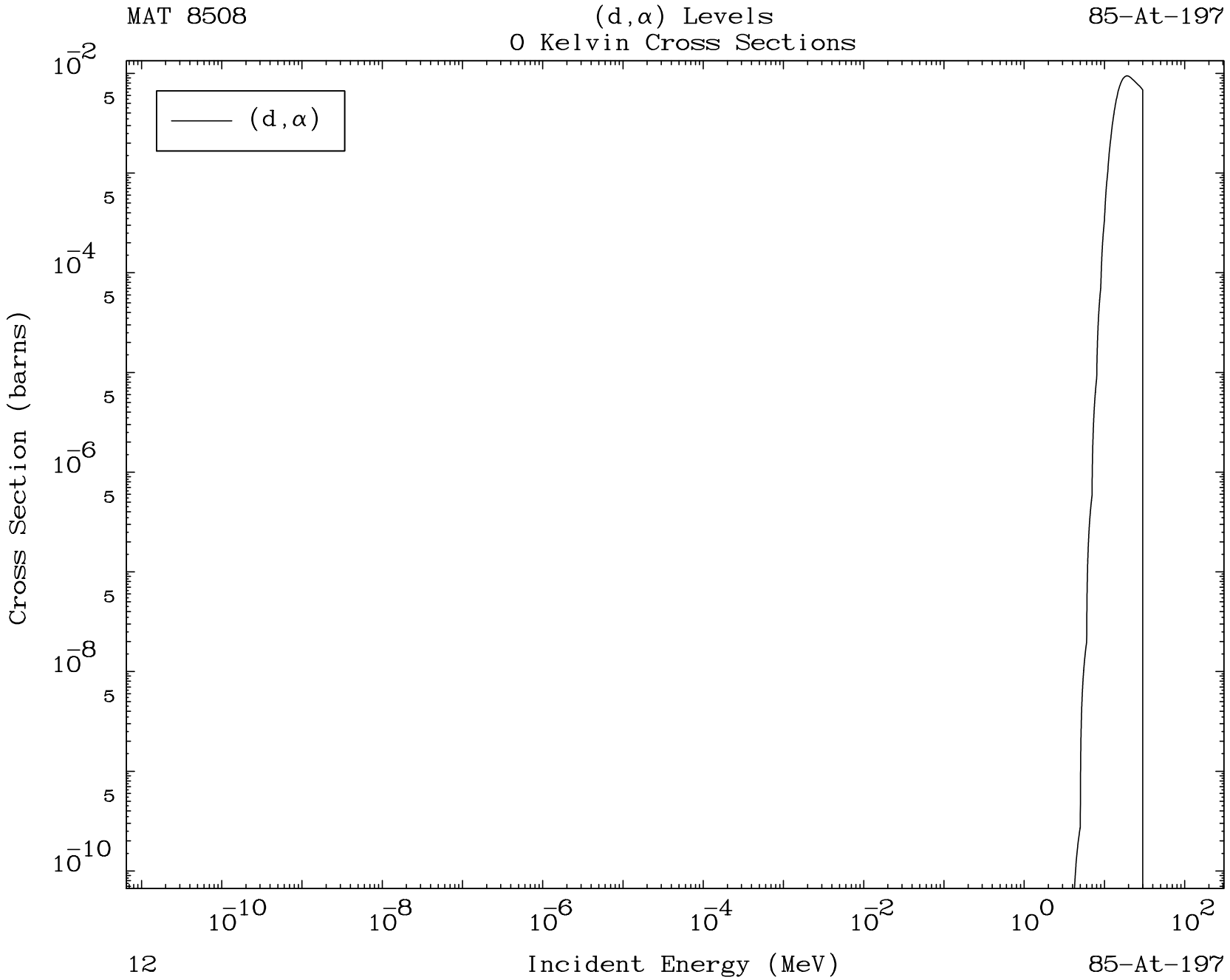

MAT 8508
(d,n') Level
85-At-197
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
10-2
10-1
100
101
102
Incident Energy (MeV)
7
85-At-197

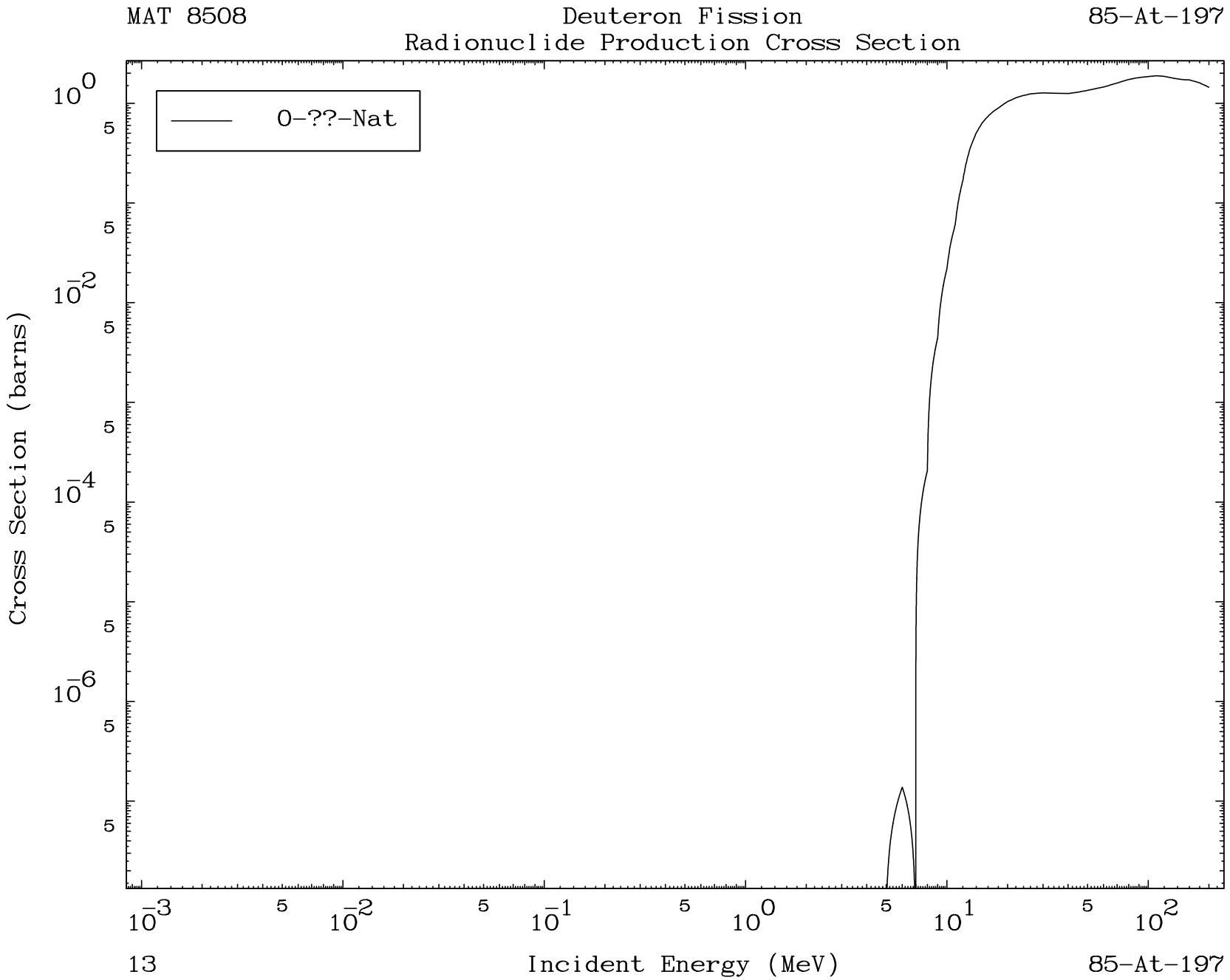

0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)

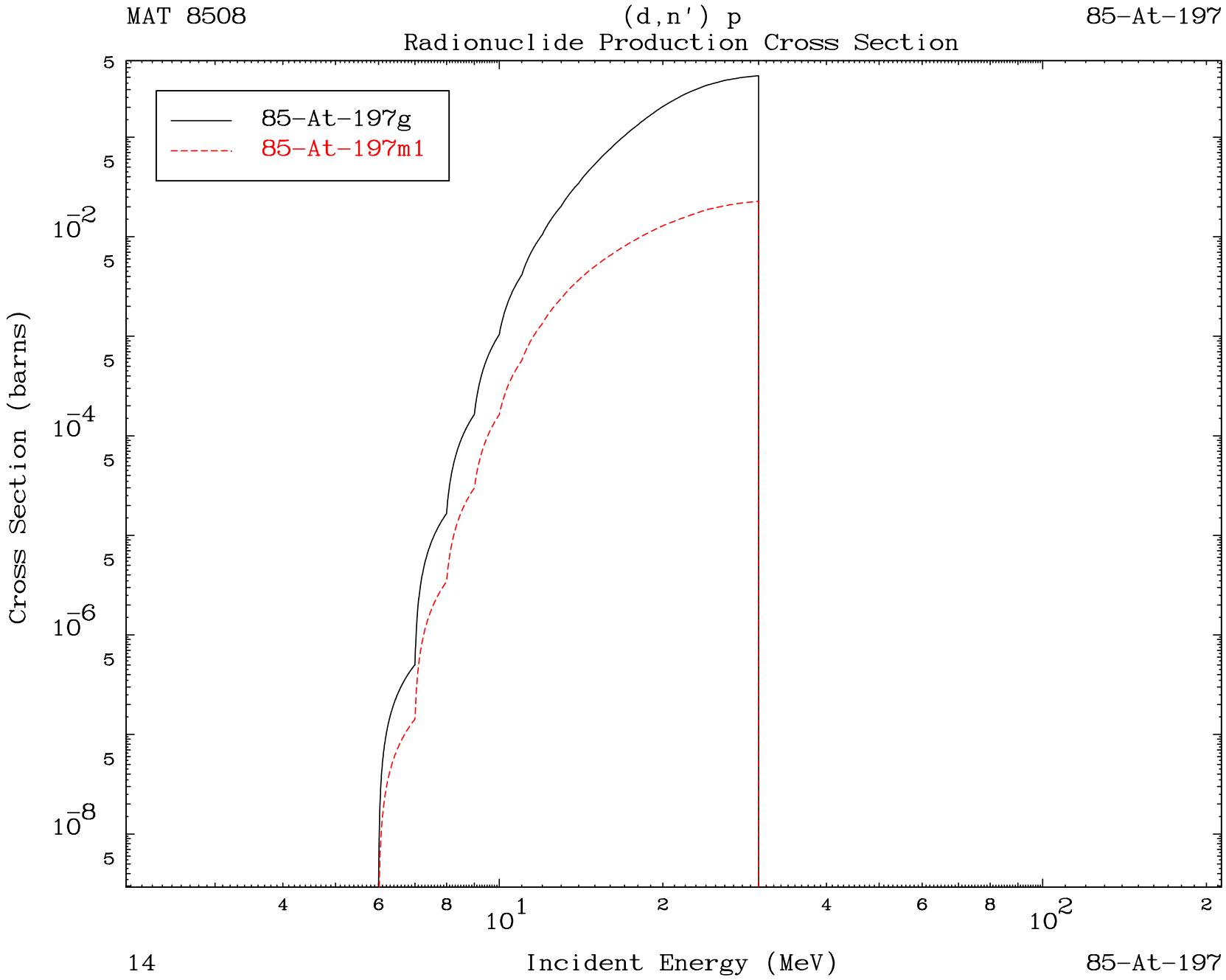

MAT 8508
(d,d) Levels
85-At-197
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
9
85-At-197

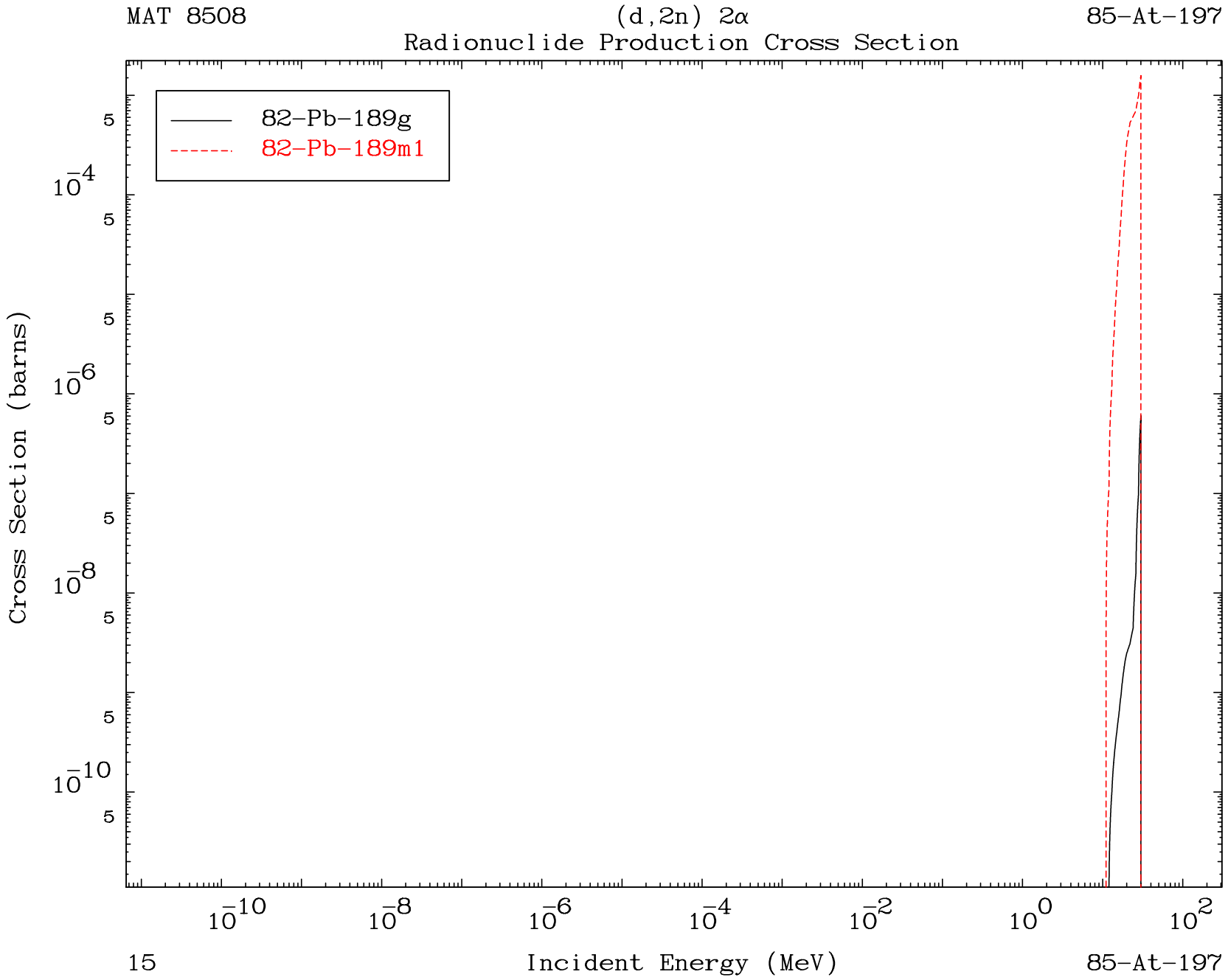

MAT 8508
(d,t) Levels
85-At-197
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
10^-2
5
10^-4
5
10^-6
5
10^-8
5
10^-10
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
85-At-197

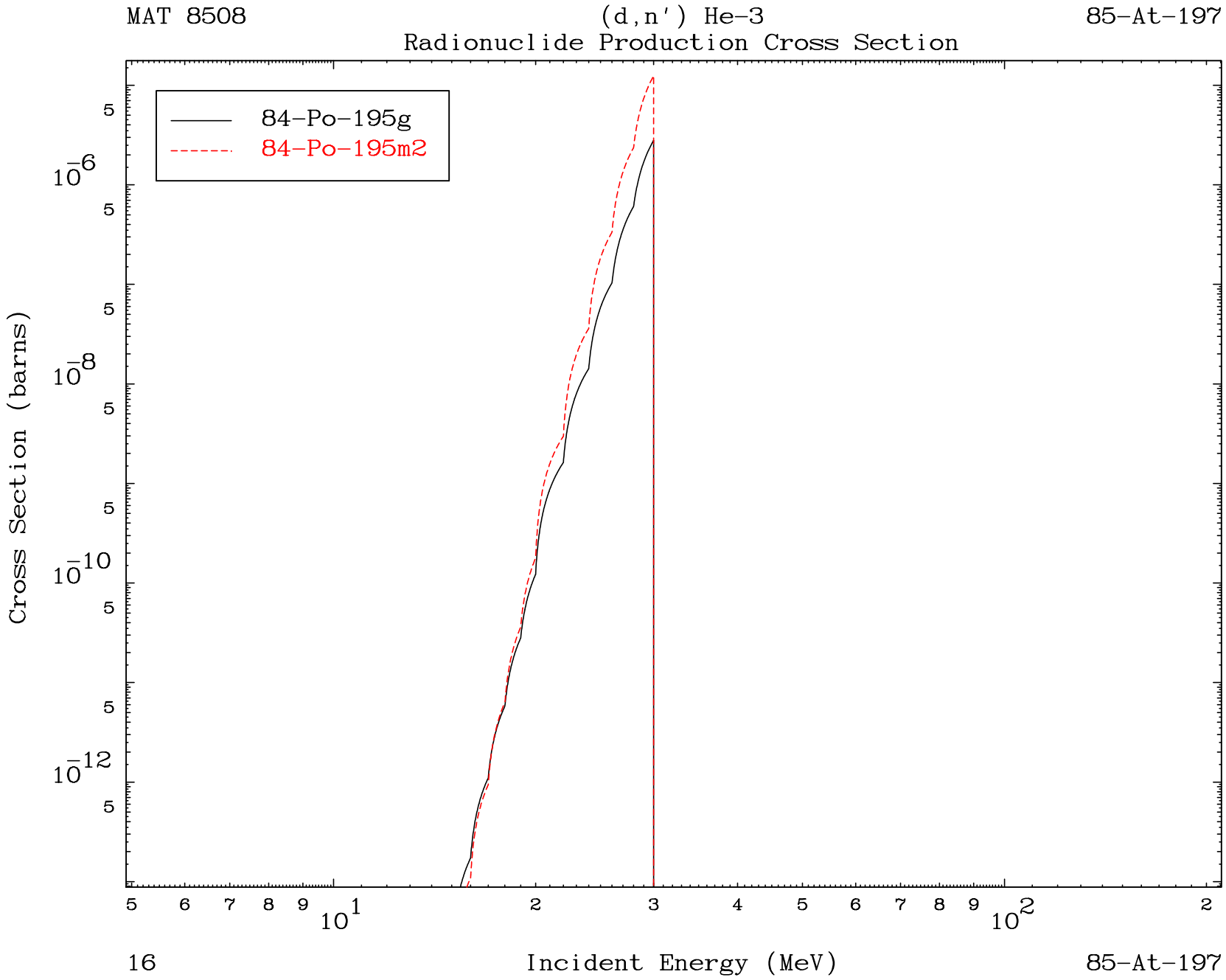

MAT 8508
(d,He3) Levels
85-At-197
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
85-At-197

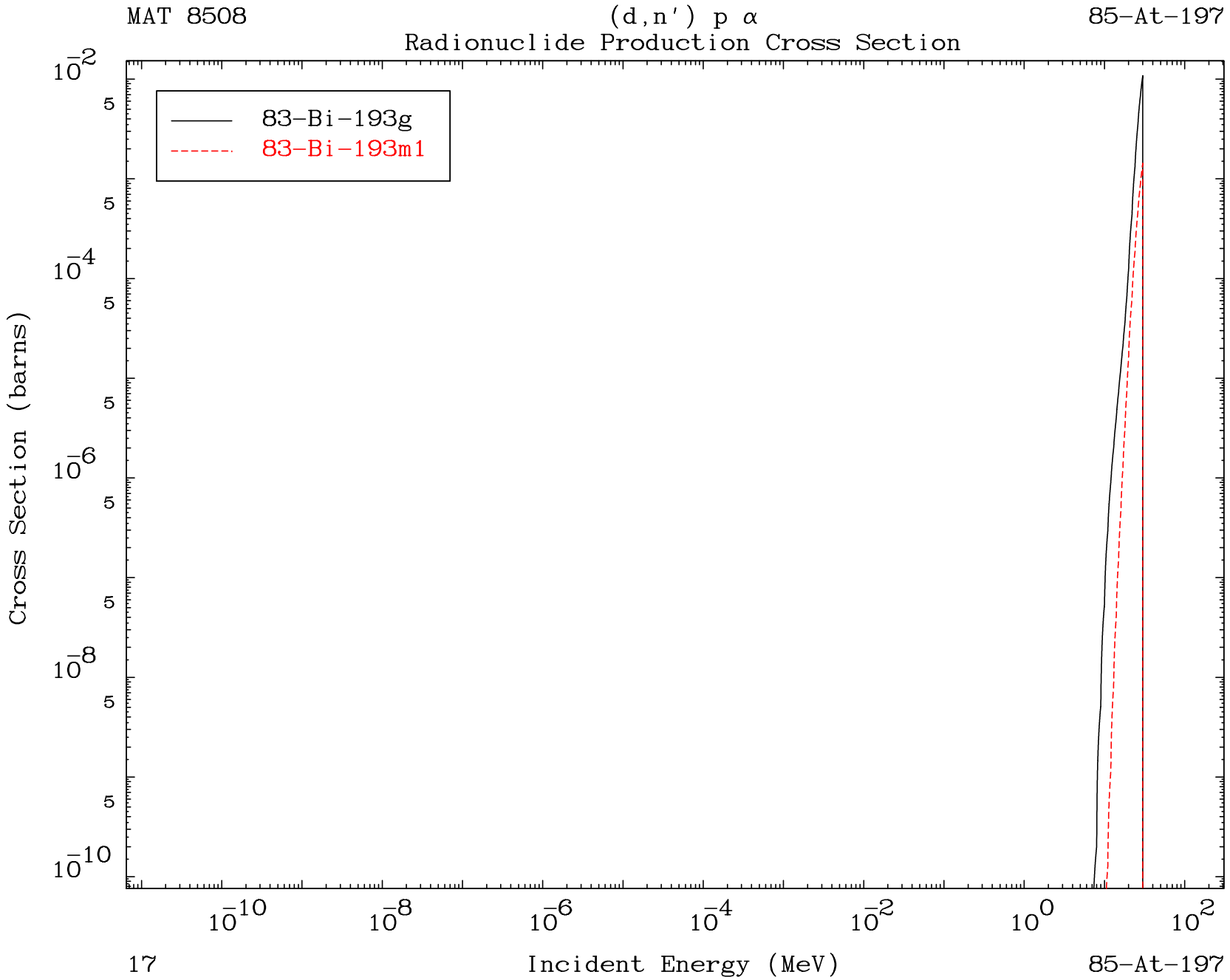

MAT 8508
(d,α) Levels
85-At-197
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
Incident Energy (MeV)
12
85-At-197

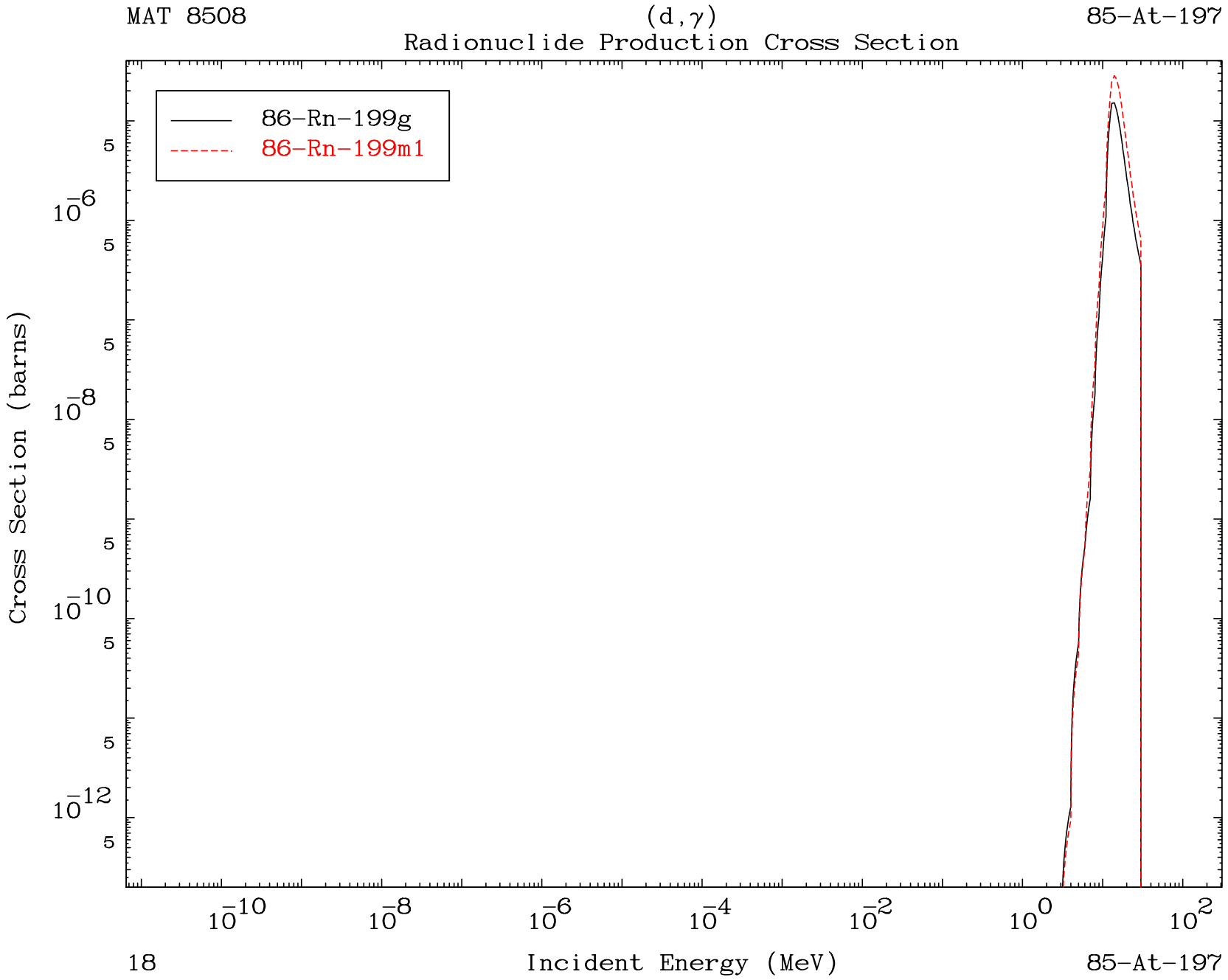

MAT 8508
Deuteron Fission
85-At-197
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
13
85-At-197

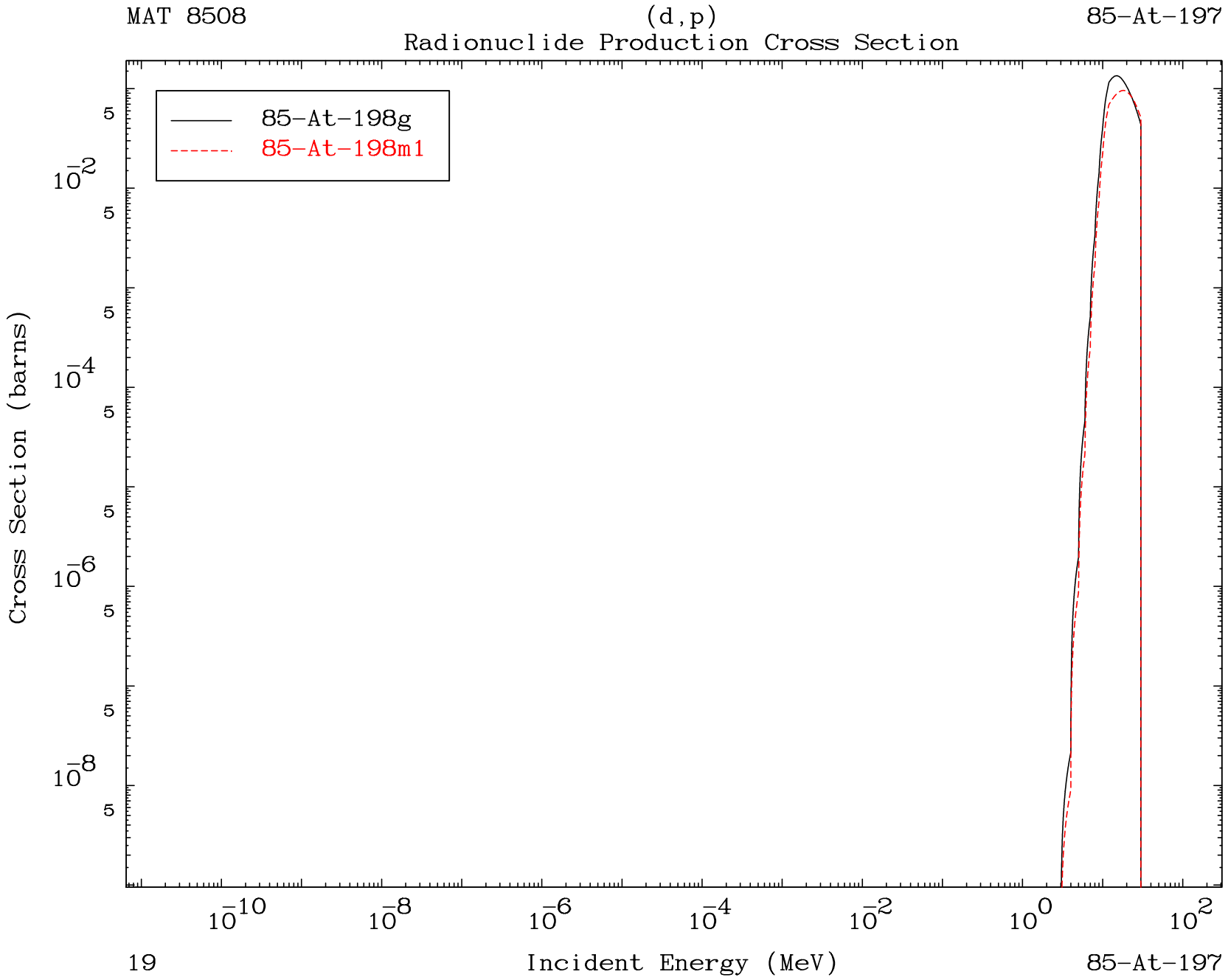

MAT 8508
(d,n') p
85-At-197
Radionuclide Production Cross Section
85-At-197g
85-At-197m1
Cross Section (barns)
Incident Energy (MeV)
14
85-At-197

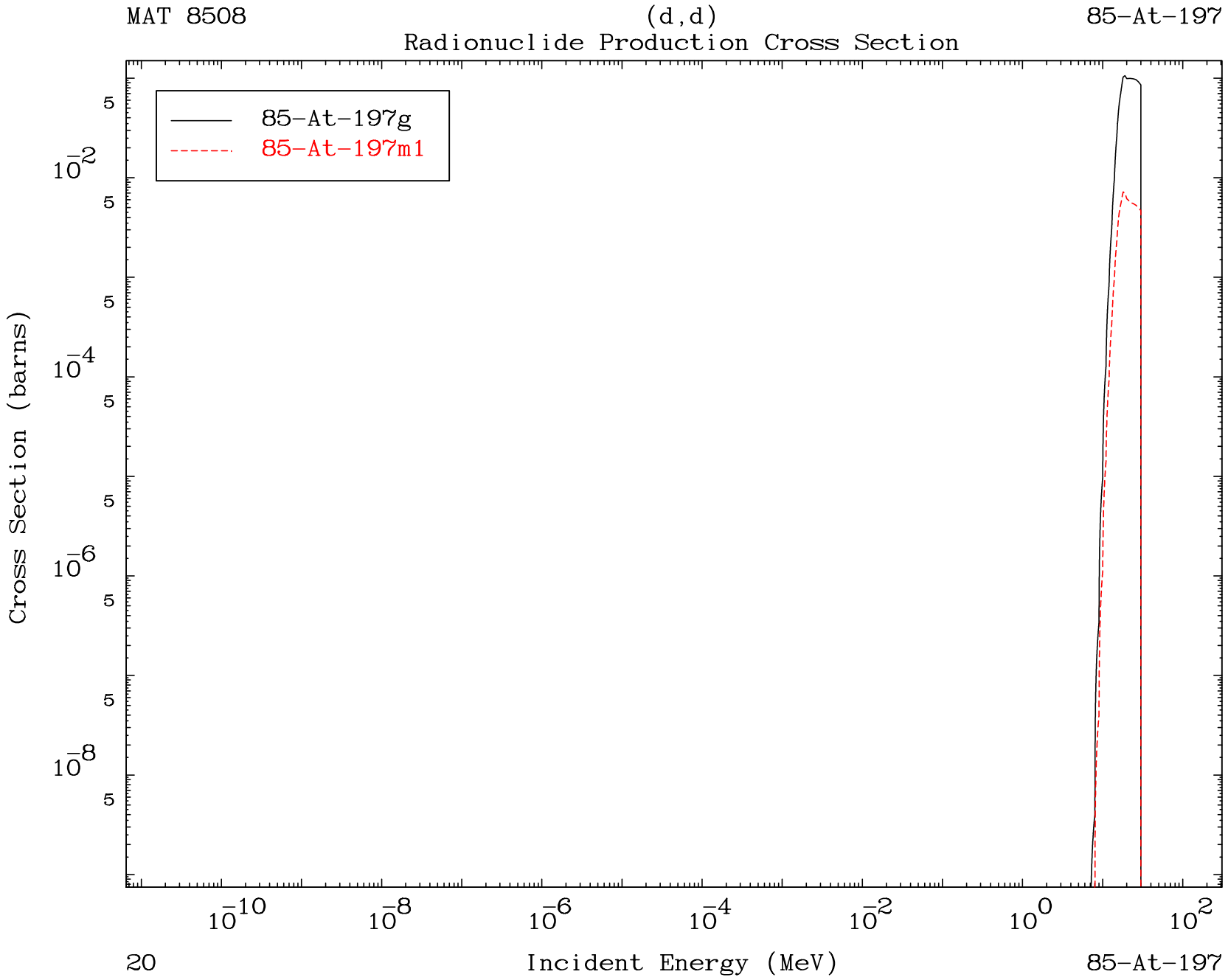

MAT 8508
(d,2n) 2α
85-At-197
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
Incident Energy (MeV)
15
85-At-197

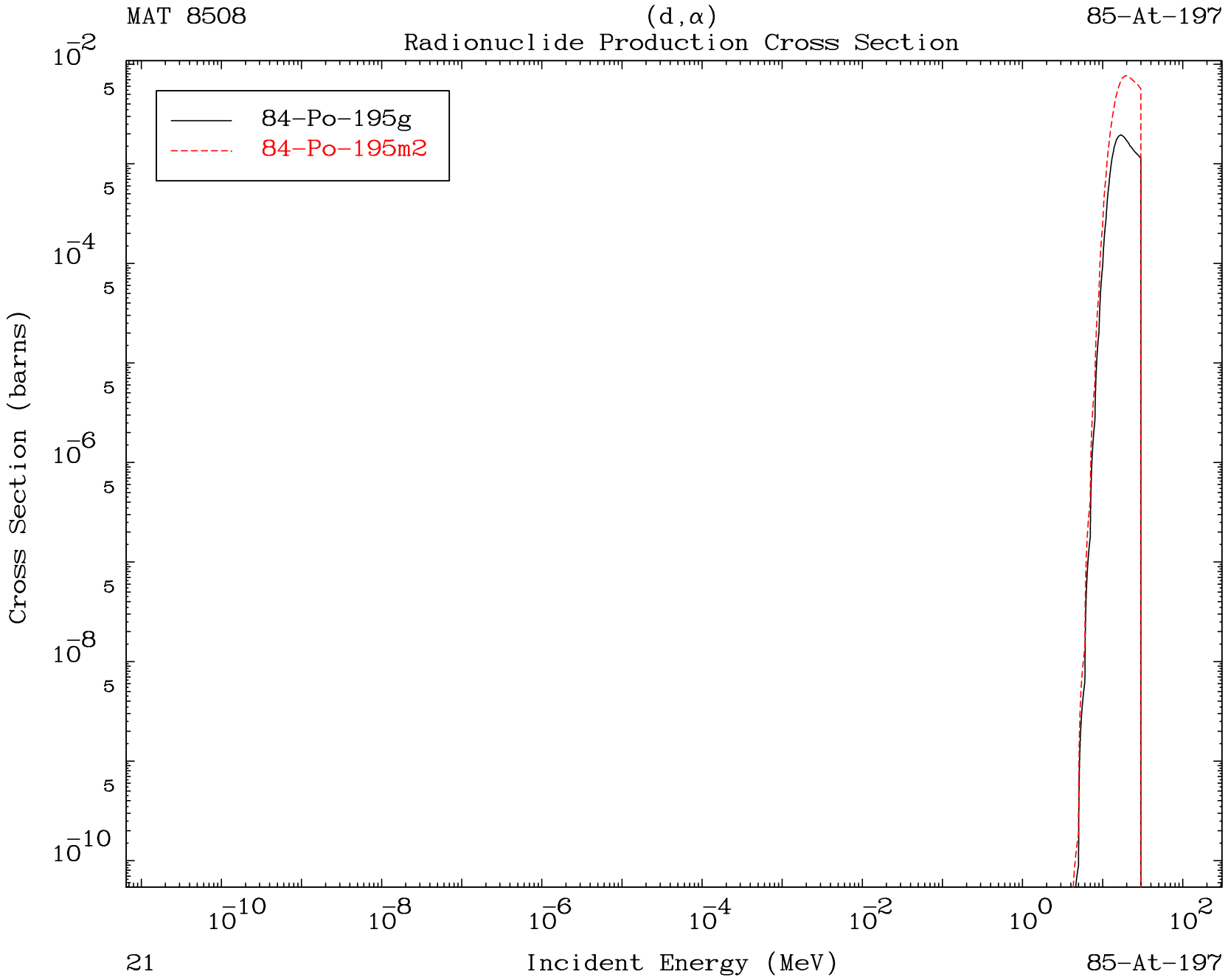

MAT 8508
(d,n') He-3
85-At-197
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
Incident Energy (MeV)
16
85-At-197

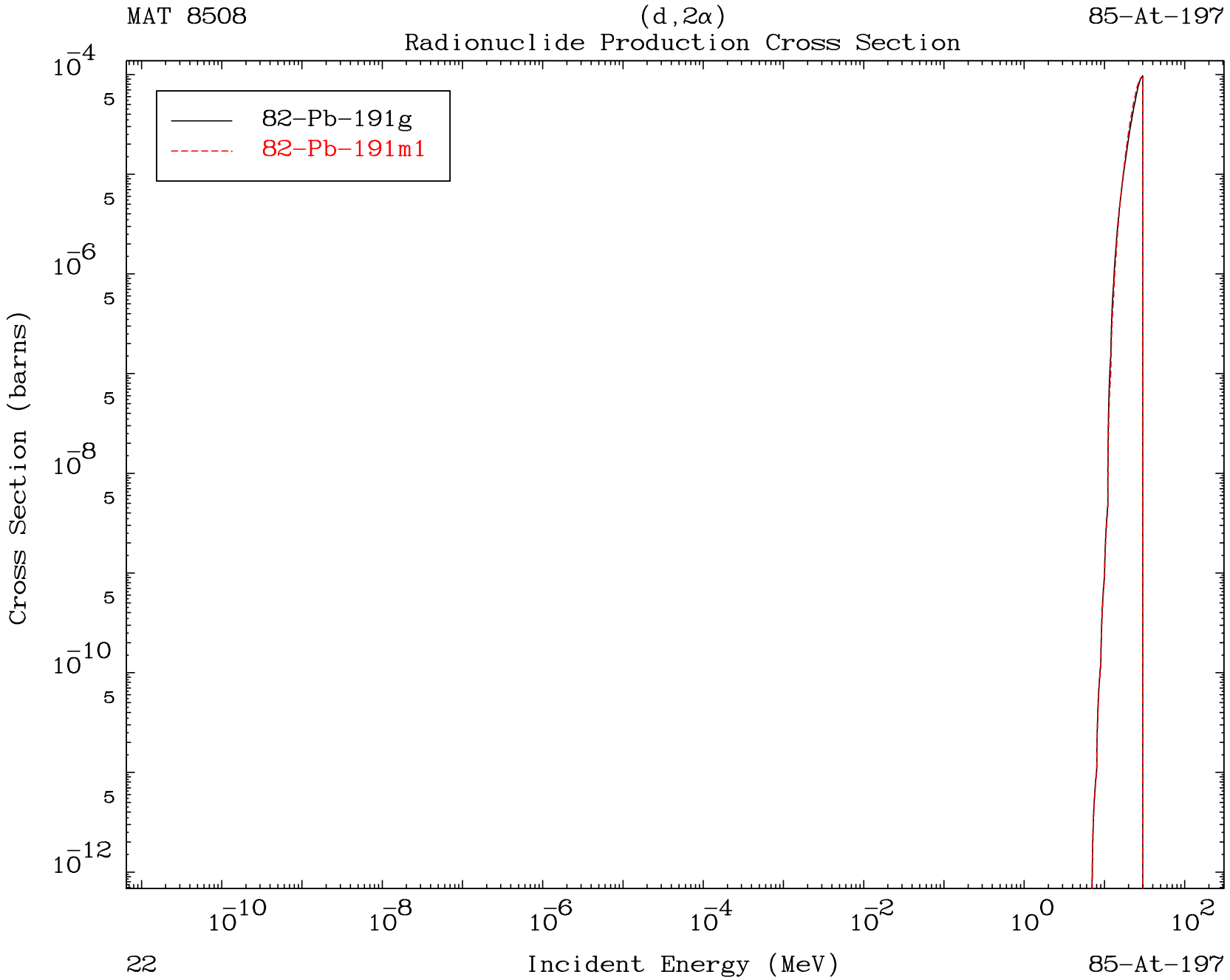

MAT 8508
(d,n') p α
85-At-197
Radionuclide Production Cross Section
83-Bi-193g
83-Bi-193m1
Cross Section (barns)
Incident Energy (MeV)
17
85-At-197

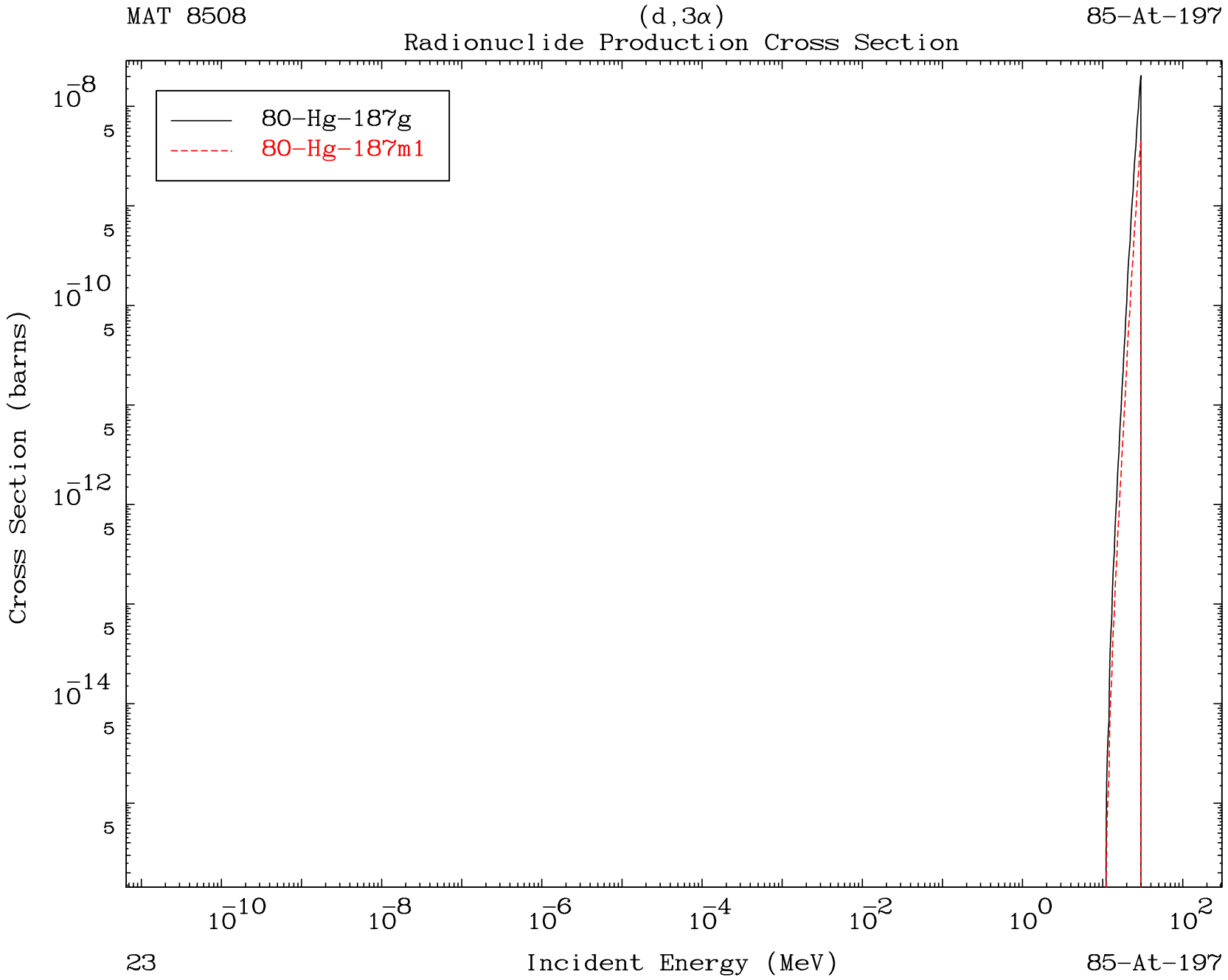

MAT 8508
(d,γ)
85-At-197
Radionuclide Production Cross Section
86-Rn-199g
86-Rn-199m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
18
Incident Energy (MeV)
85-At-197

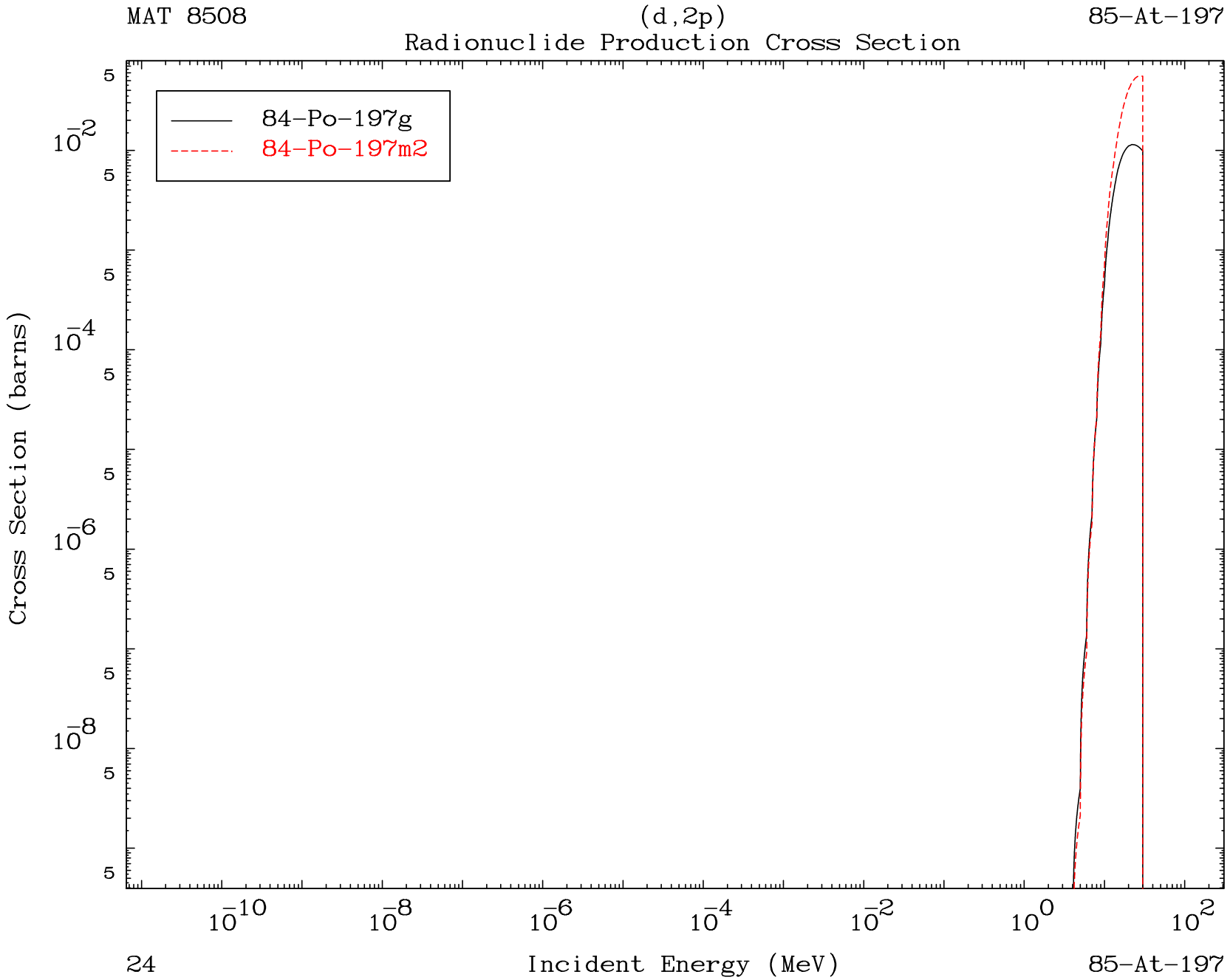

MAT 8508
(d,p)
85-At-197
Radionuclide Production Cross Section
85-At-198g
85-At-198m1
Cross Section (barns)
Incident Energy (MeV)
19
85-At-197

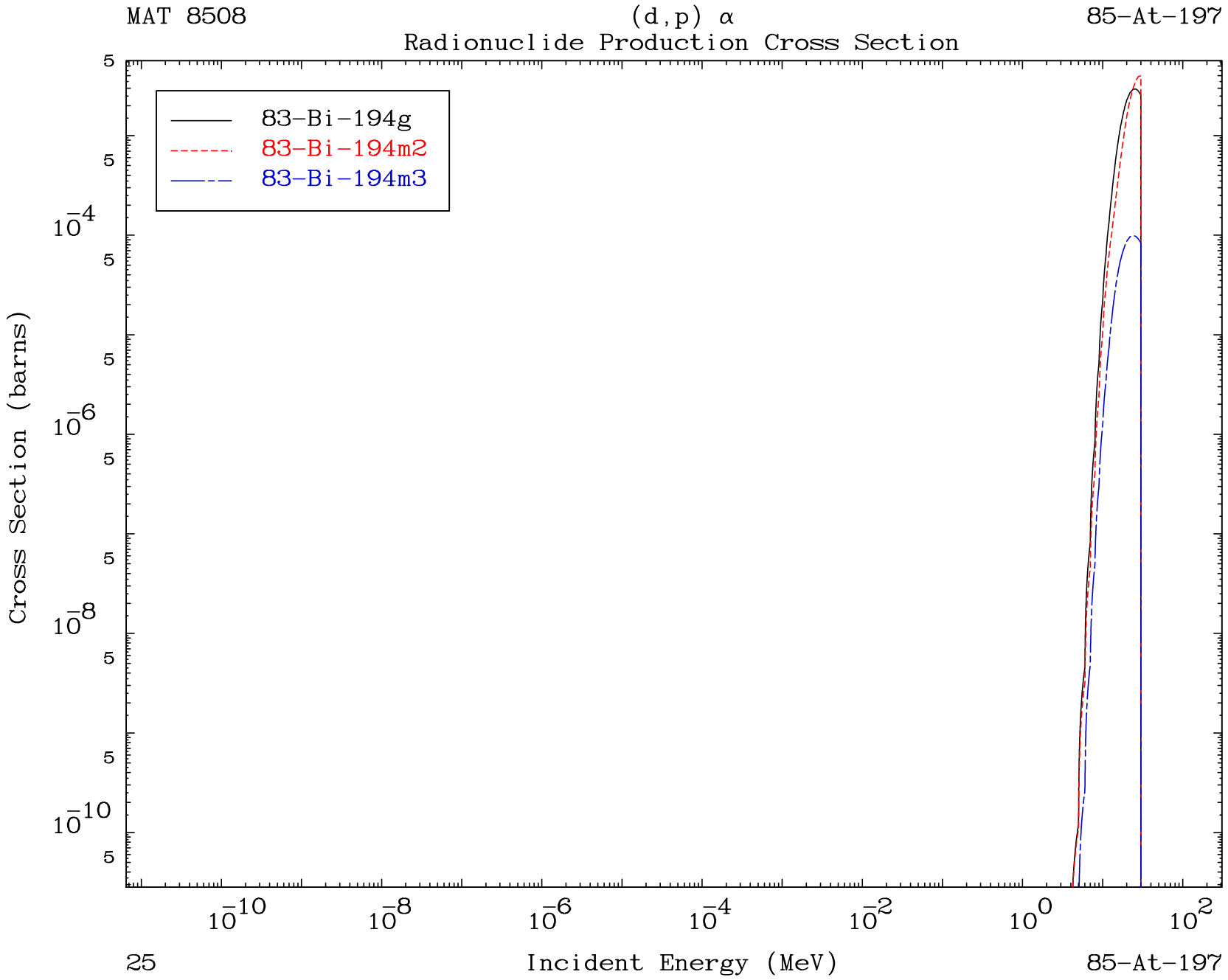

MAT 8508
(d,d)
85-At-197
Radionuclide Production Cross Section
85-At-197g
85-At-197m1
Cross Section (barns)
Incident Energy (MeV)
20
85-At-197

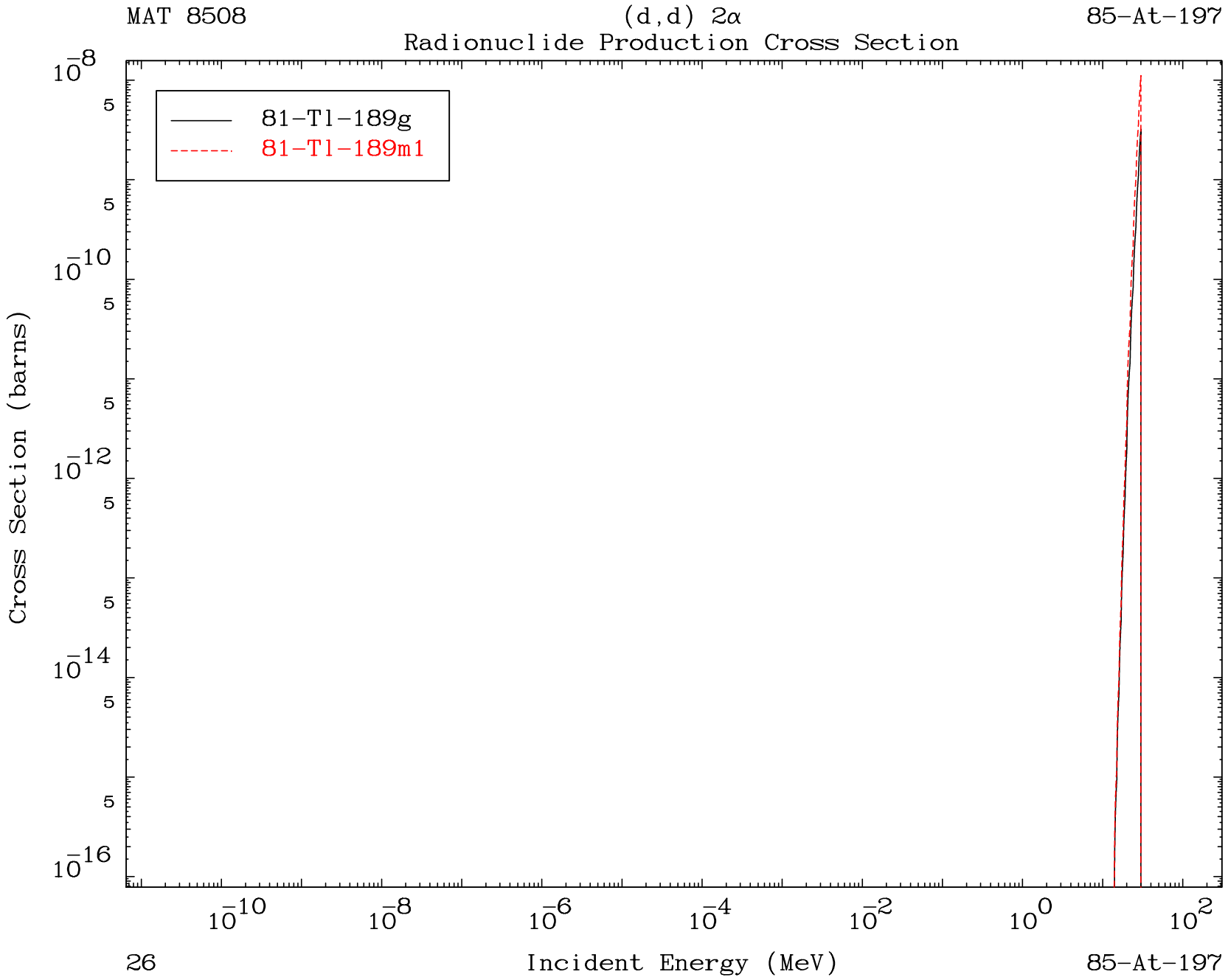

MAT 8508
(d,α)
85-At-197
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
Incident Energy (MeV)
21
85-At-197

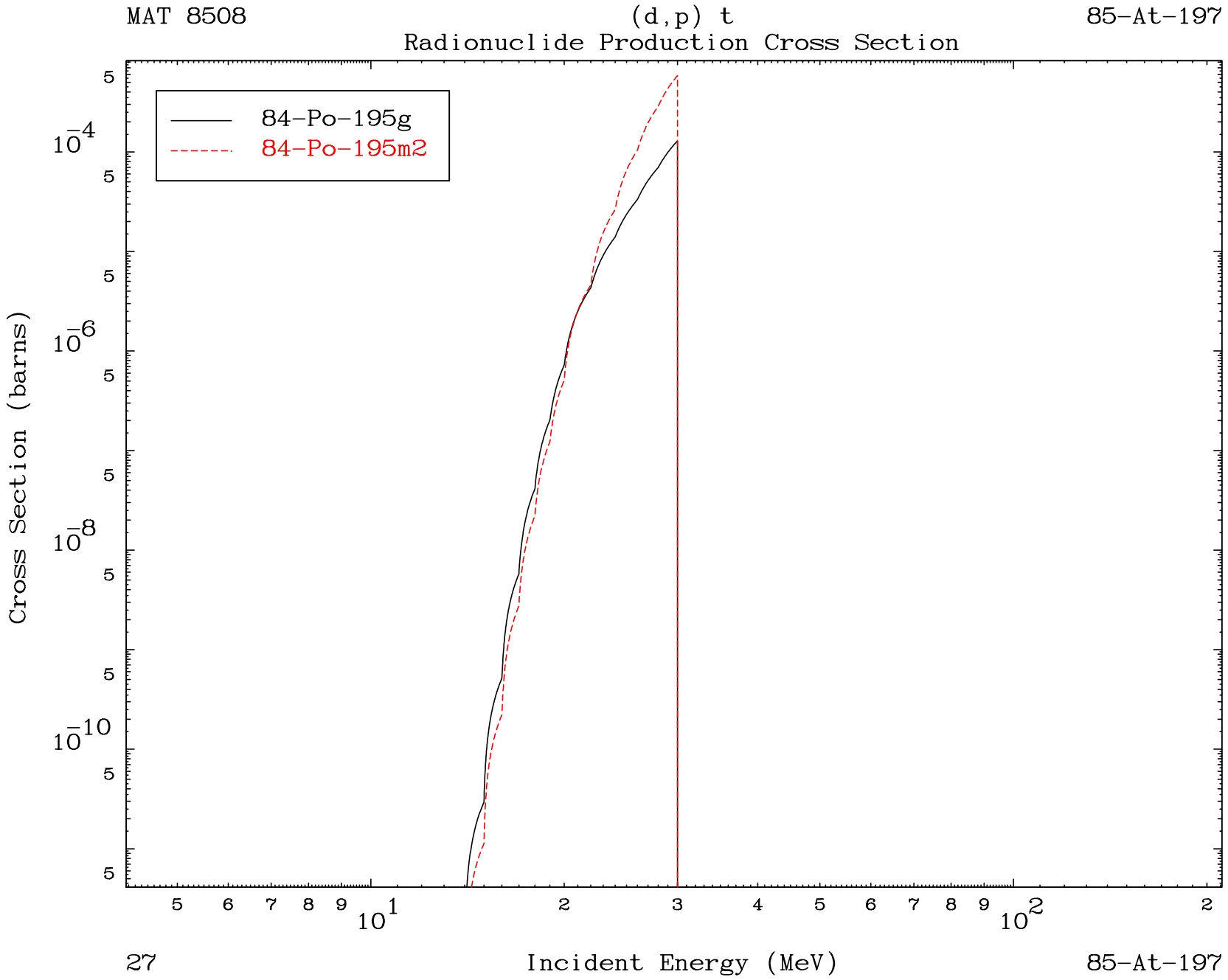

MAT 8508
(d,2α)
85-At-197
Radionuclide Production Cross Section
82-Pb-191g
82-Pb-191m1
Cross Section (barns)
Incident Energy (MeV)
22
85-At-197

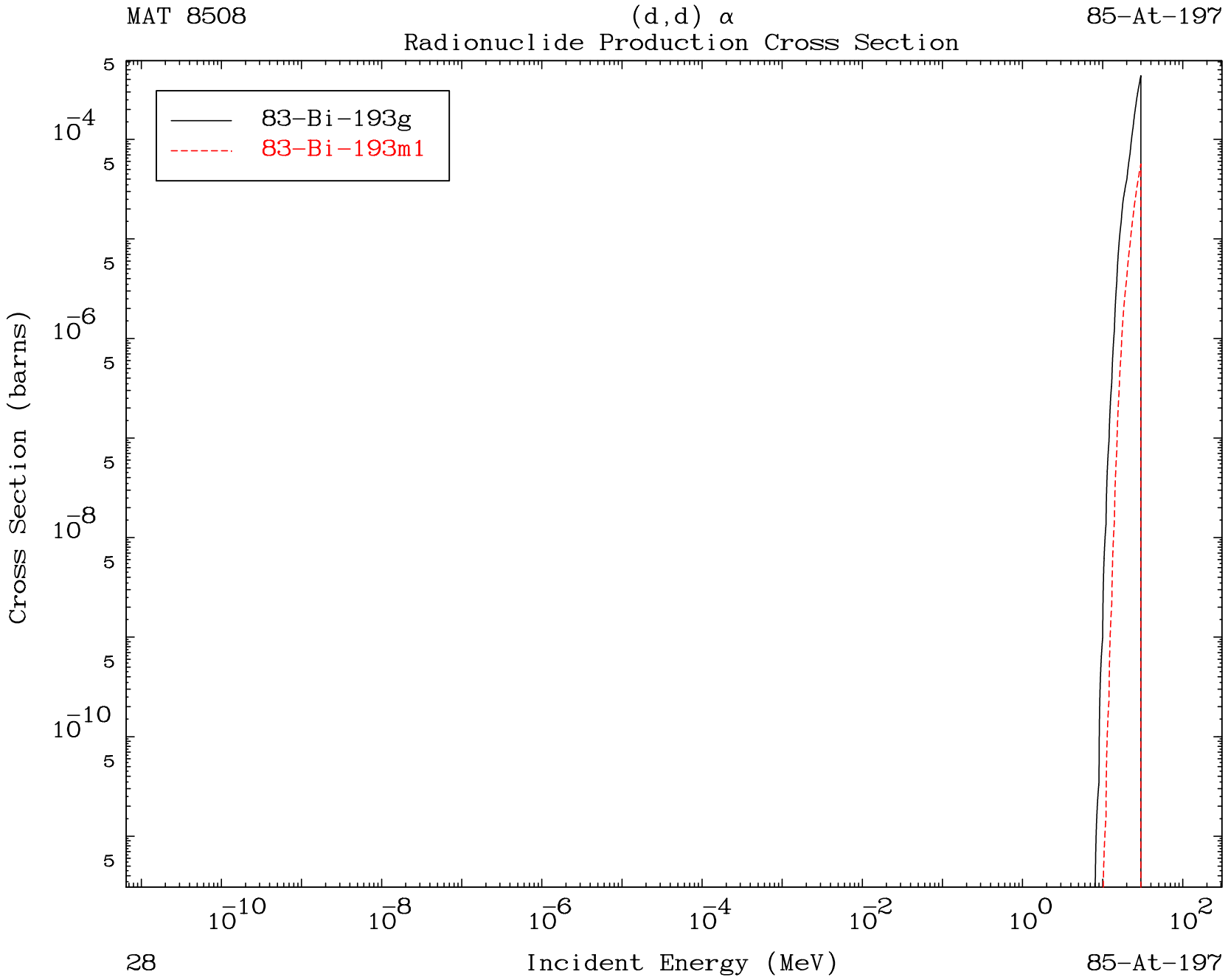

MAT 8508
(d,3α)
85-At-197
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
10^-8
5
10^-10
5
10^-12
5
10^-14
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
23
Incident Energy (MeV)
85-At-197


MAT 8508
(d,2p)
85-At-197
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
Incident Energy (MeV)
24
85-At-197


MAT 8508
(d,p) α
85-At-197
Radionuclide Production Cross Section
83-Bi-194g
83-Bi-194m2
83-Bi-194m3
Cross Section (barns)
Incident Energy (MeV)
25
85-At-197


MAT 8508
(d,d) 2α
85-At-197
Radionuclide Production Cross Section
81-Tl-189g
81-Tl-189m1
Cross Section (barns)
Incident Energy (MeV)
26
85-At-197


MAT 8508
(d,p) t
85-At-197
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
Incident Energy (MeV)
27
85-At-197


MAT 8508
(d,d) α
85-At-197
Radionuclide Production Cross Section
83-Bi-193g
83-Bi-193m1
Cross Section (barns)
Incident Energy (MeV)
28
85-At-197