Program EVALPLOT
(Version 2021-1)
by
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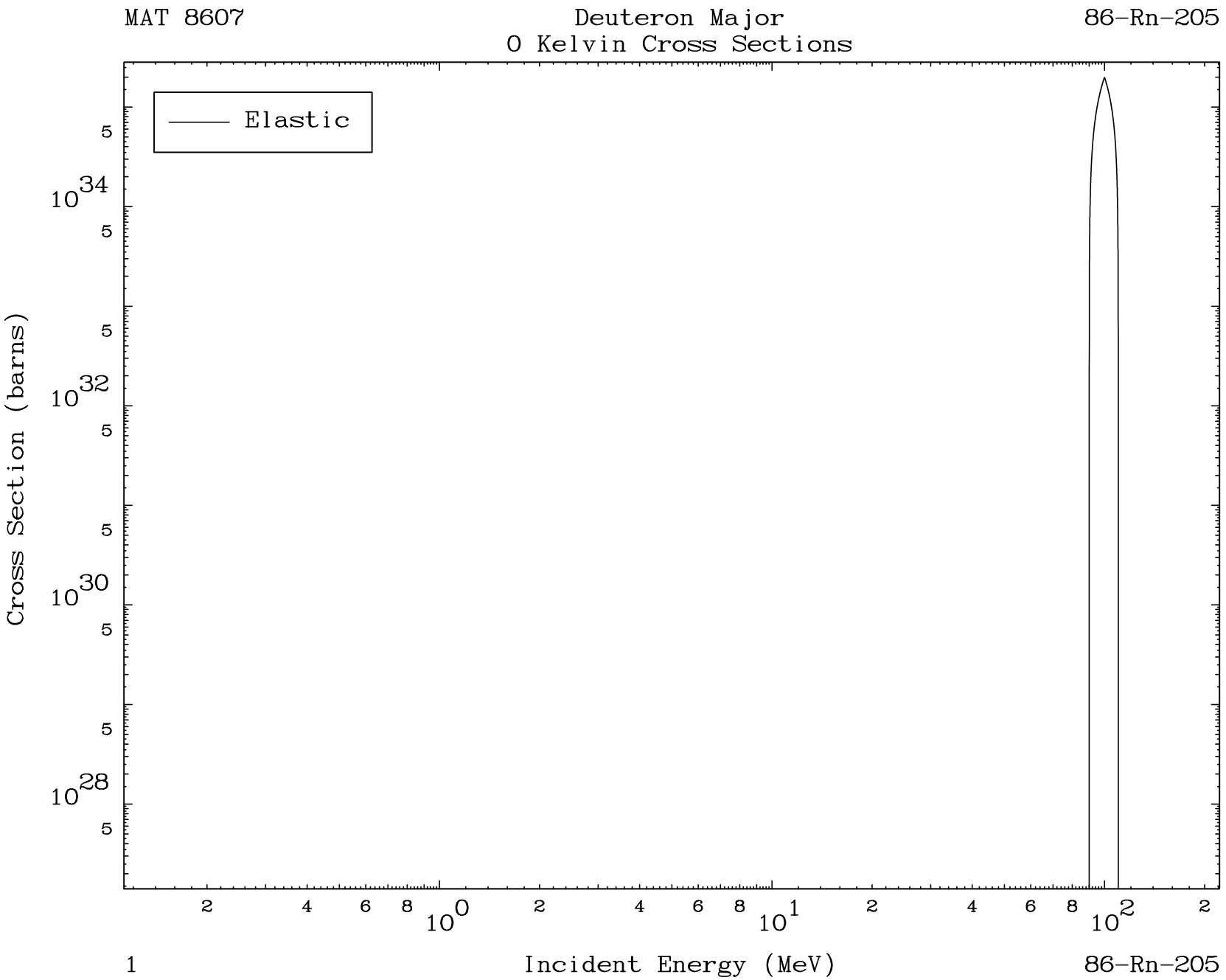
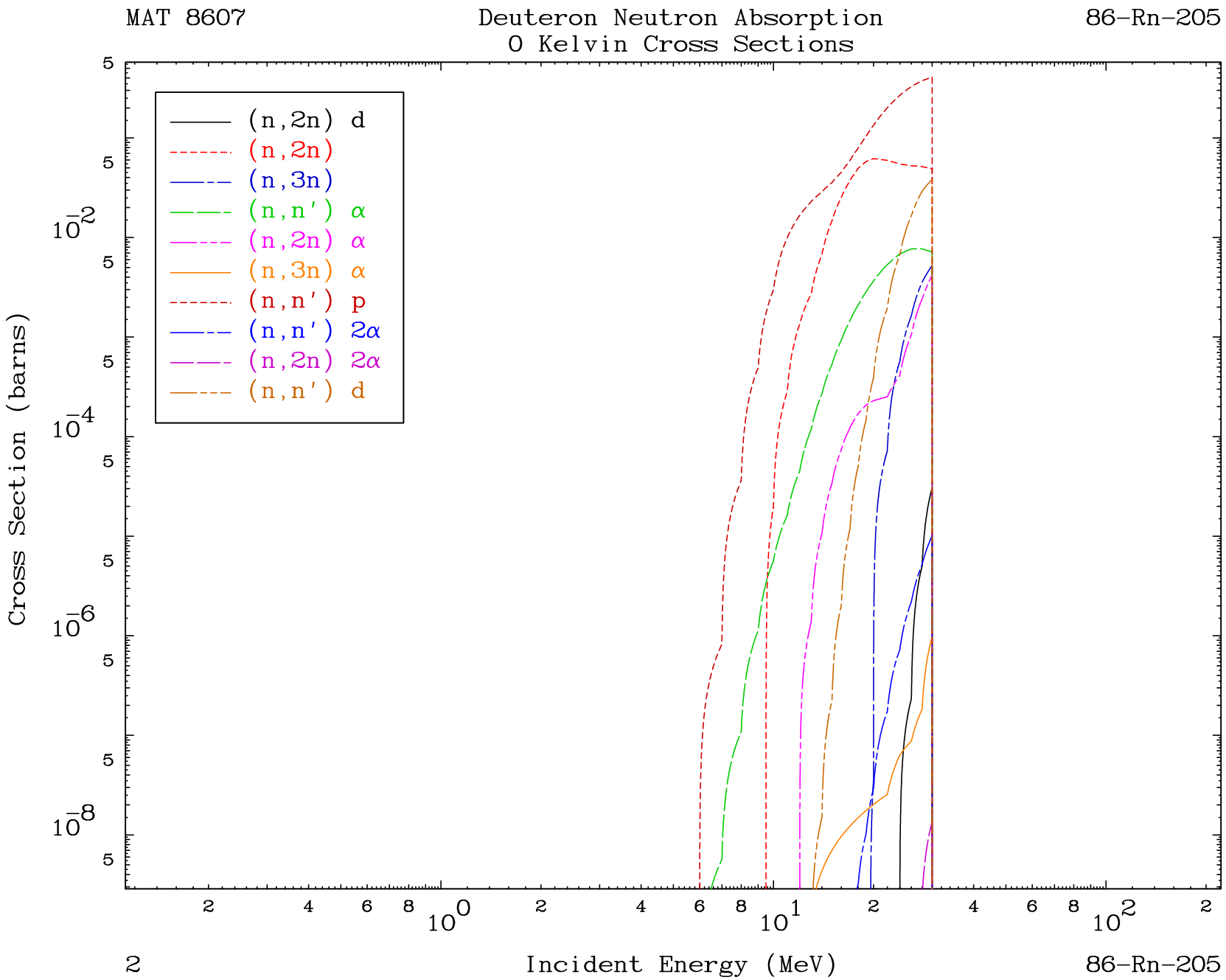
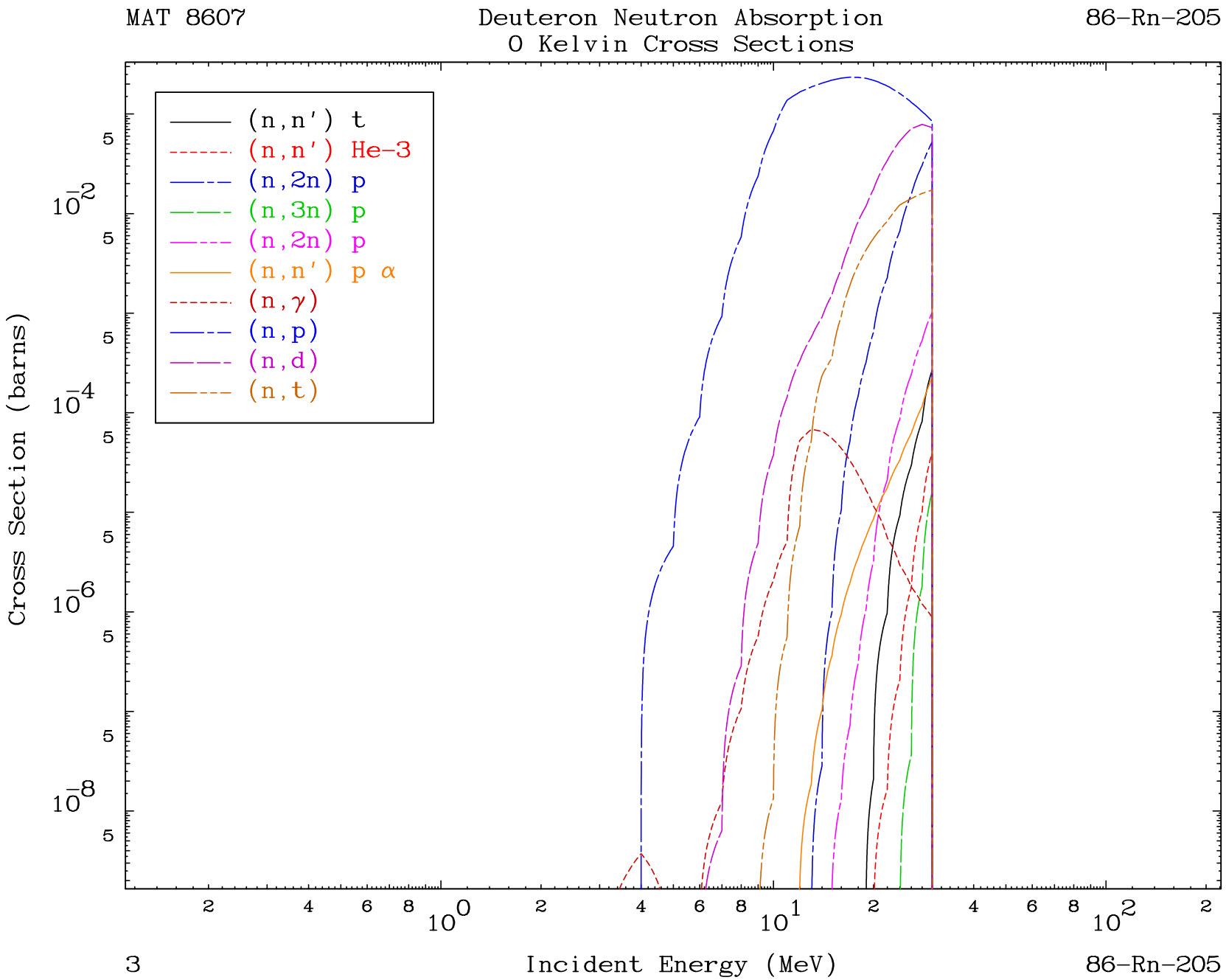
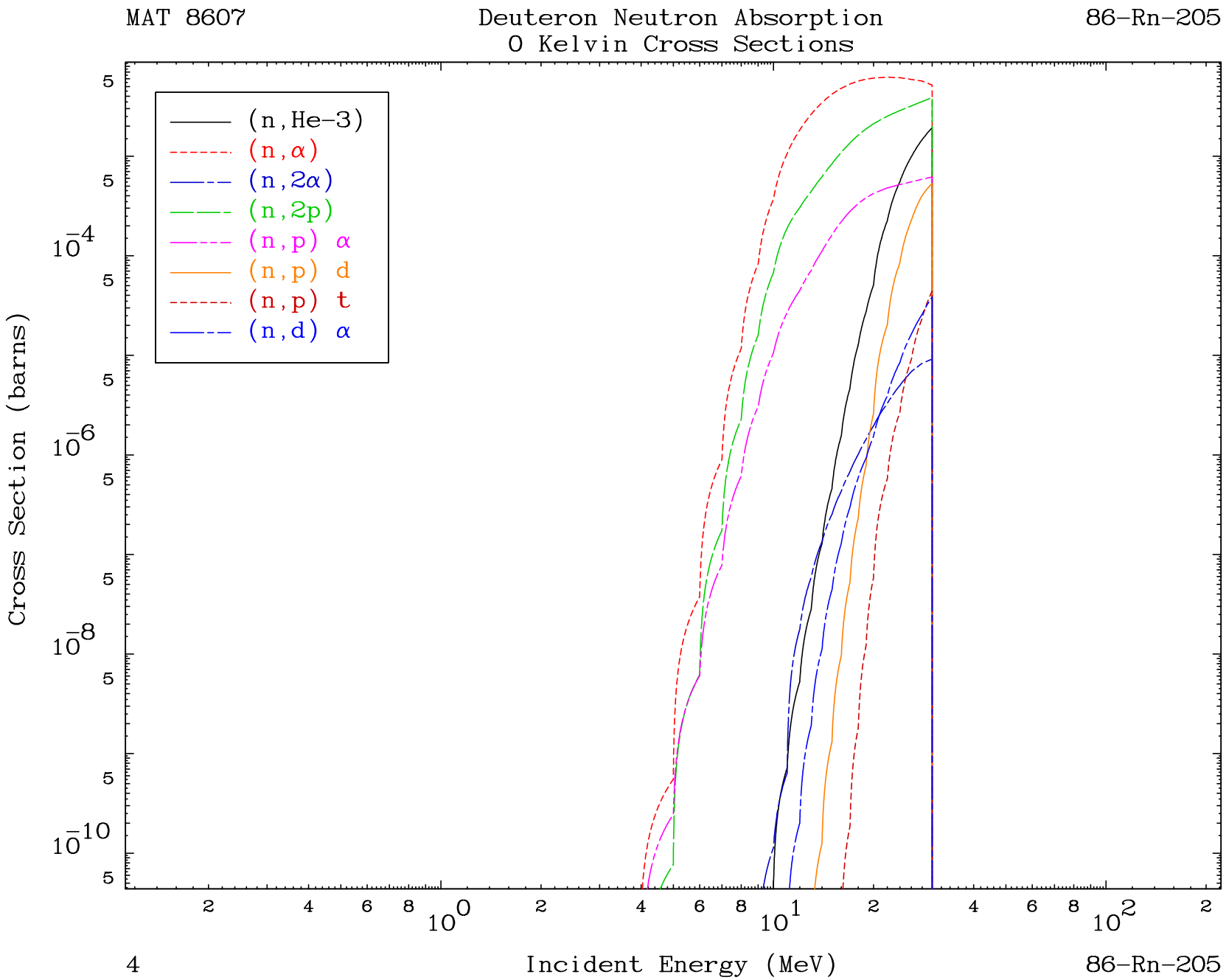
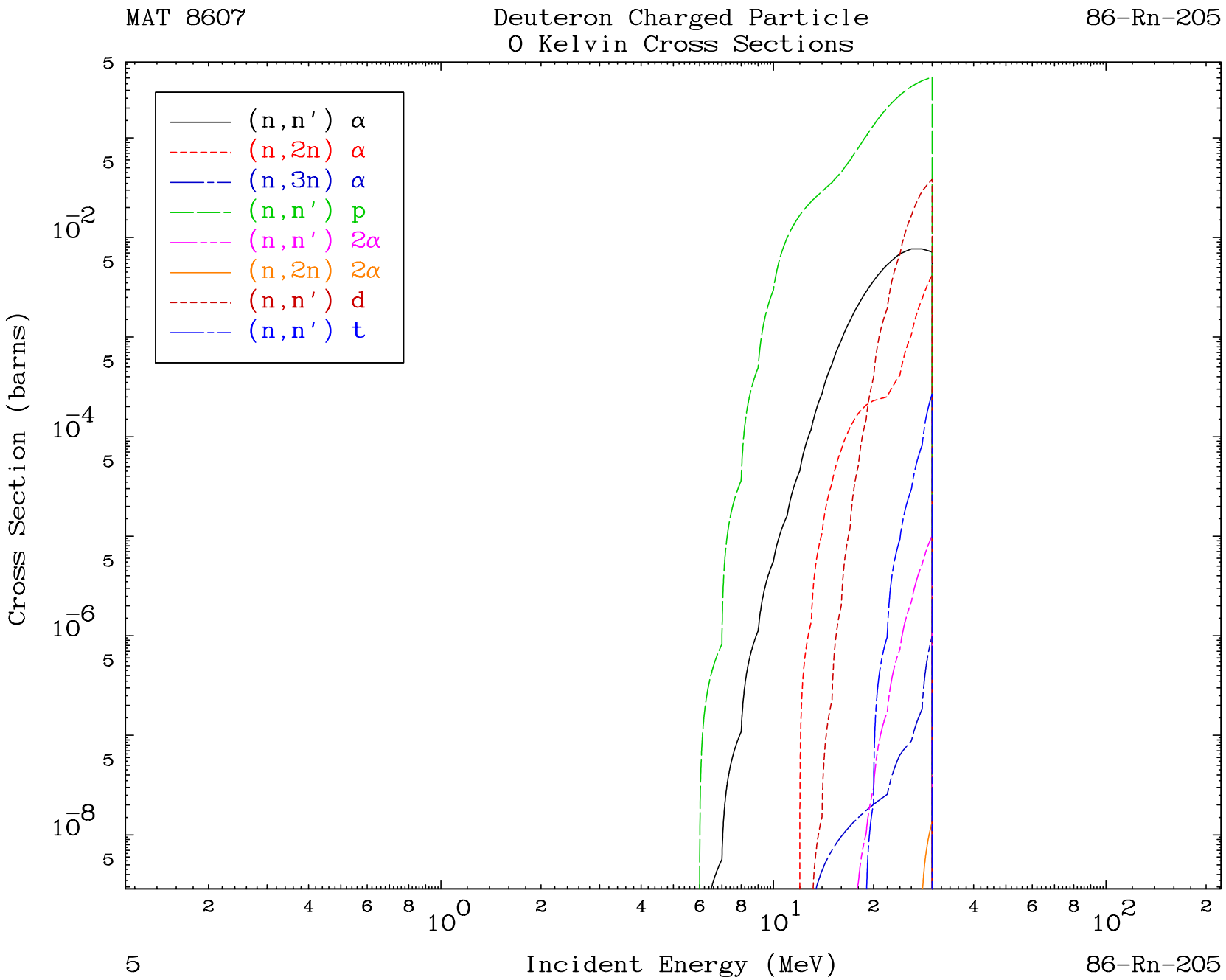
Press Mouse Button to Start

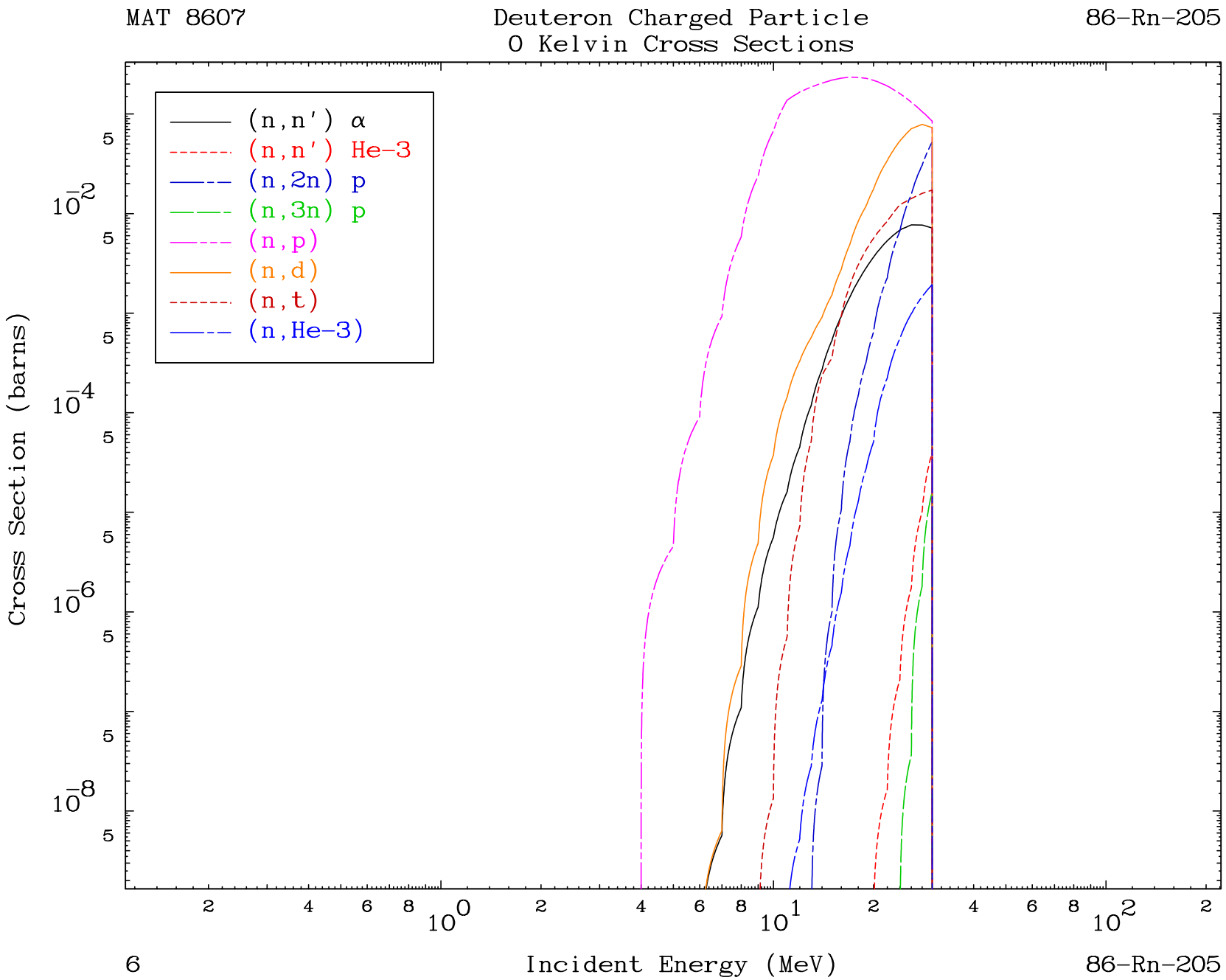

MAT 8607
Deuteron Major
86-Rn-205
0 Kelvin Cross Sections
Elastic
Cross Section (barns)
10^34
10^32
10^30
10^28
5
2
4
6
8
10^0
10^1
10^2
1
Incident Energy (MeV)
86-Rn-205

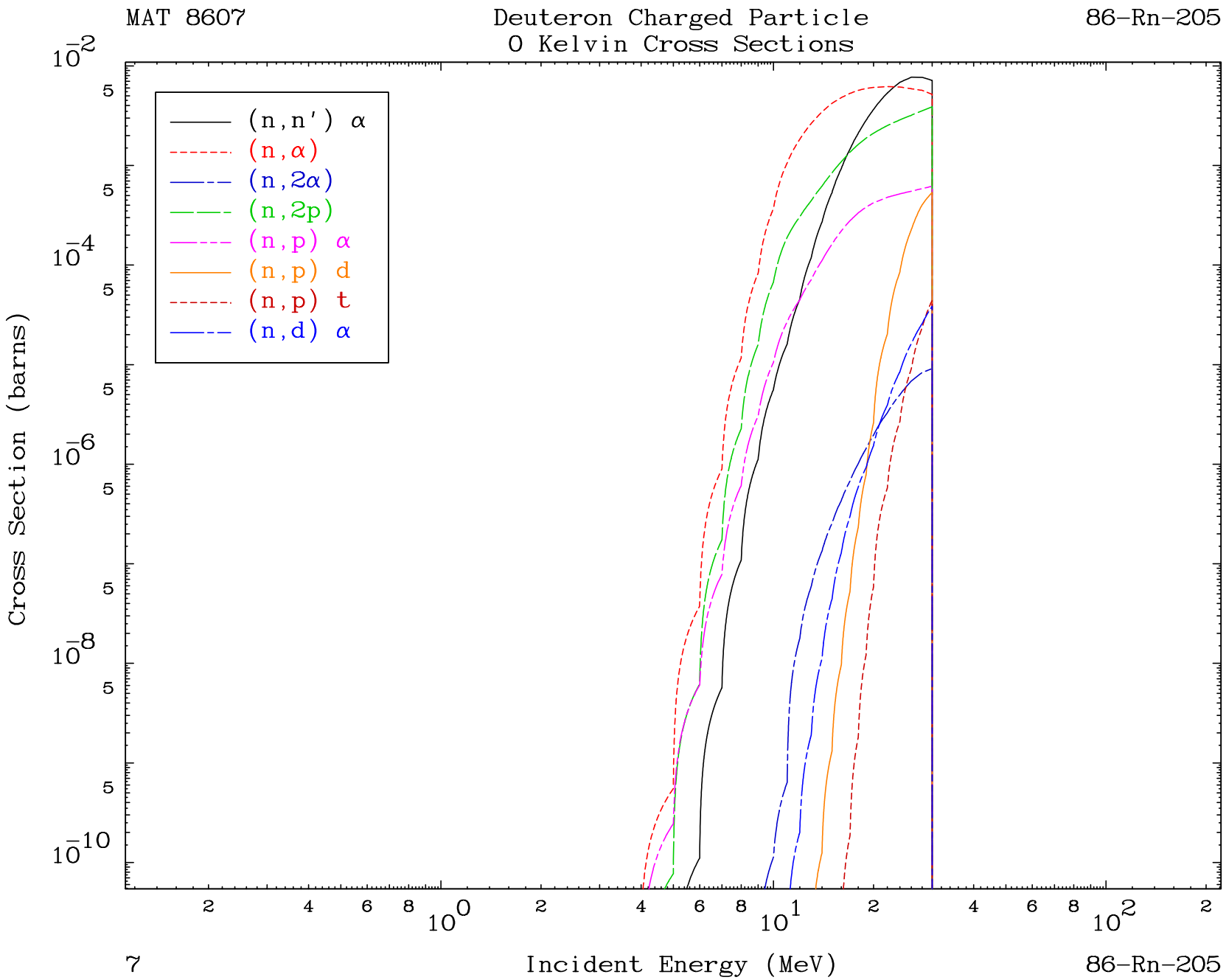

MAT 8607
Deuteron Neutron Absorption
0 Kelvin Cross Sections
86-Rn-205
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
86-Rn-205
2

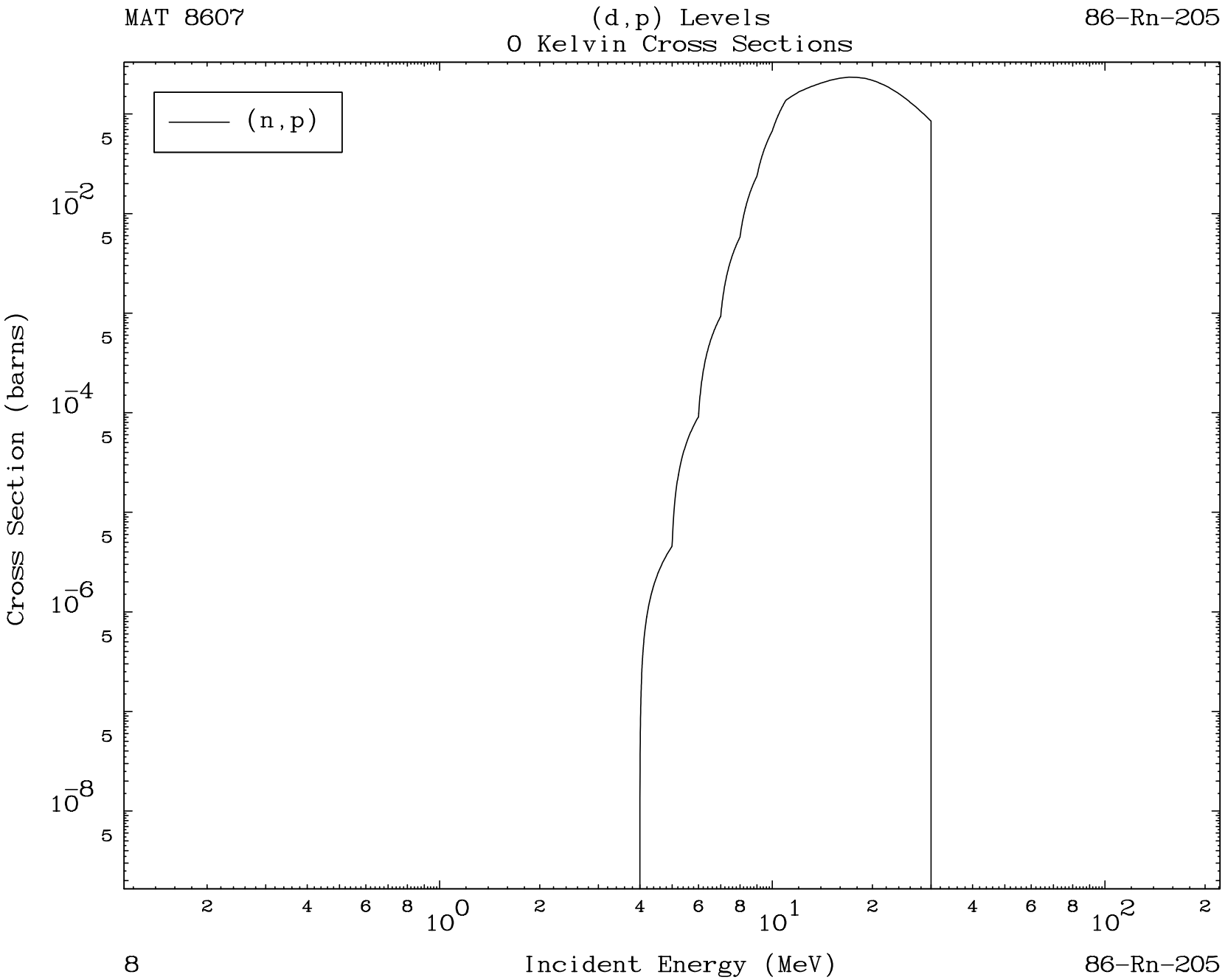

MAT 8607
Deuteron Neutron Absorption
0 Kelvin Cross Sections
86-Rn-205
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
86-Rn-205

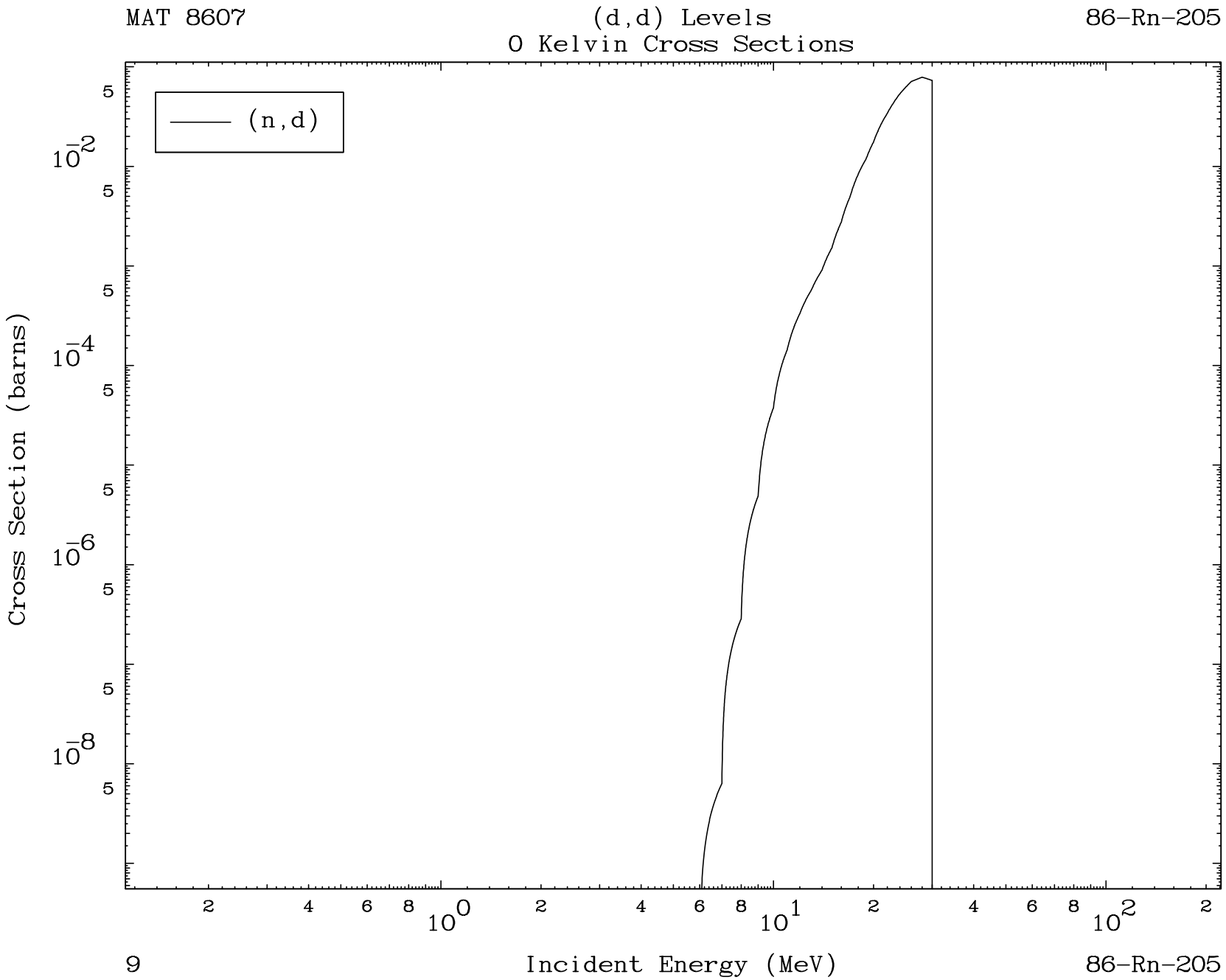

MAT 8607
Deuteron Neutron Absorption
0 Kelvin Cross Sections
86-Rn-205
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
86-Rn-205

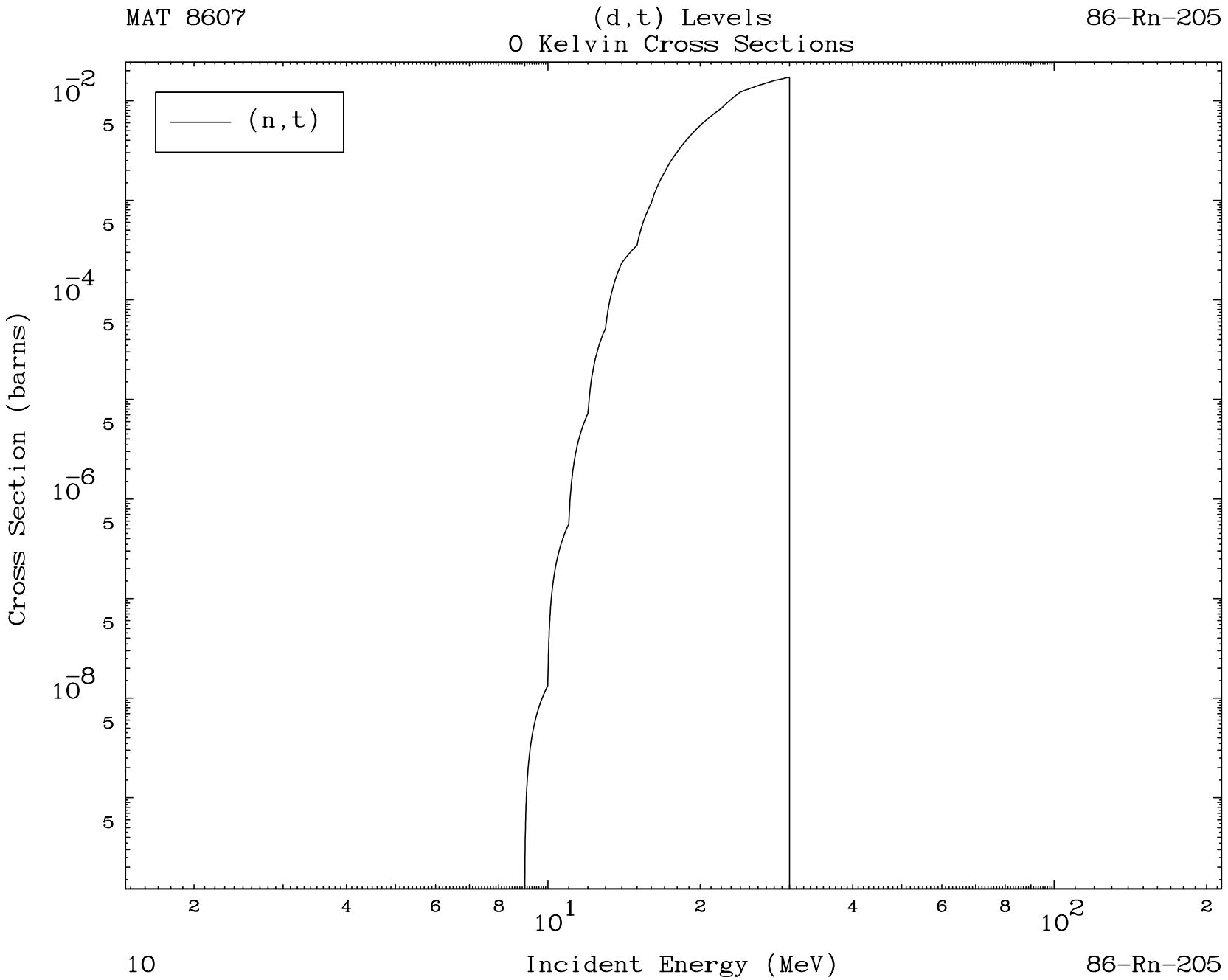

MAT 8607
Deuteron Charged Particle
0 Kelvin Cross Sections
86-Rn-205
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
86-Rn-205

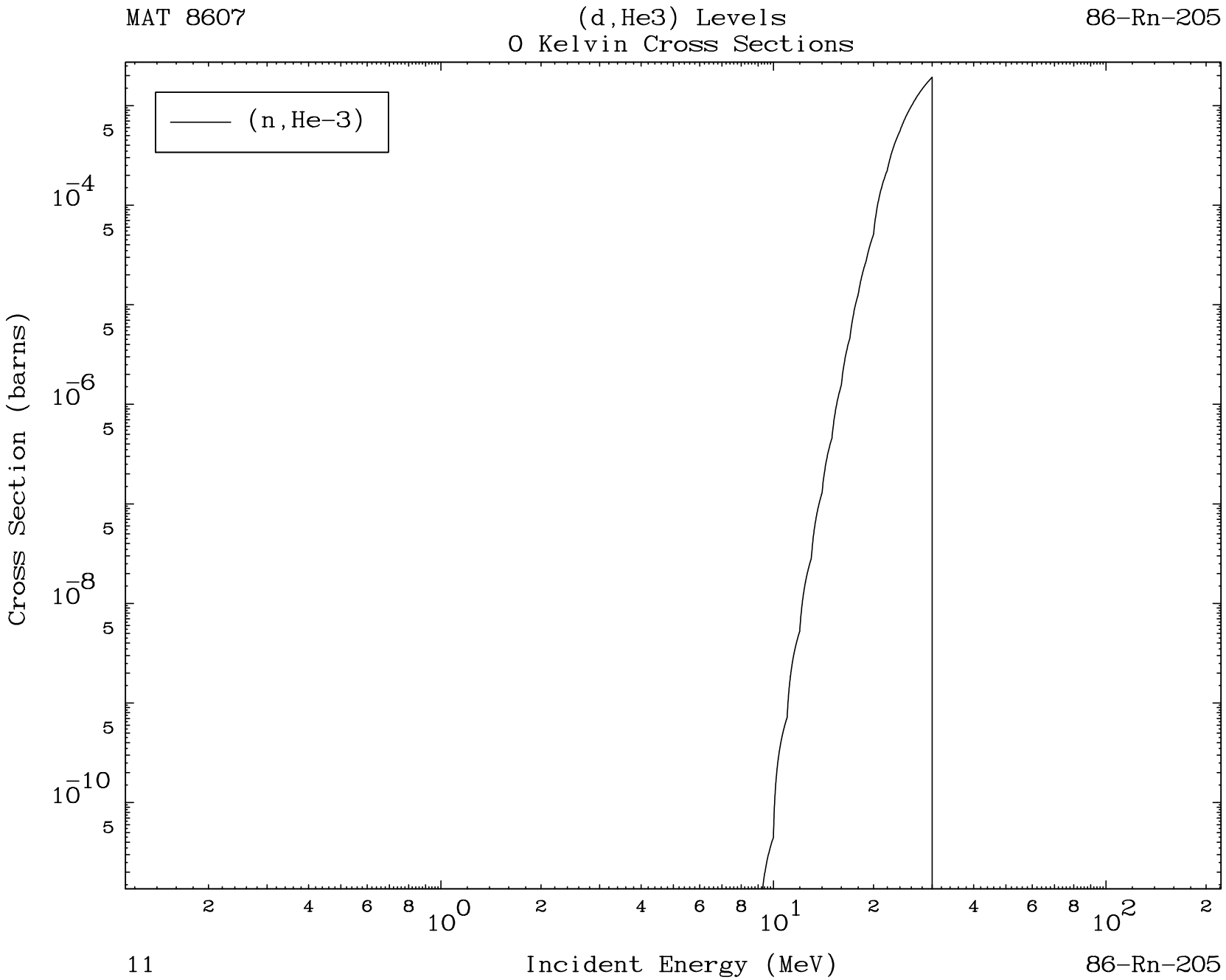

MAT 8607
Deuteron Charged Particle
0 Kelvin Cross Sections
86-Rn-205
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
86-Rn-205

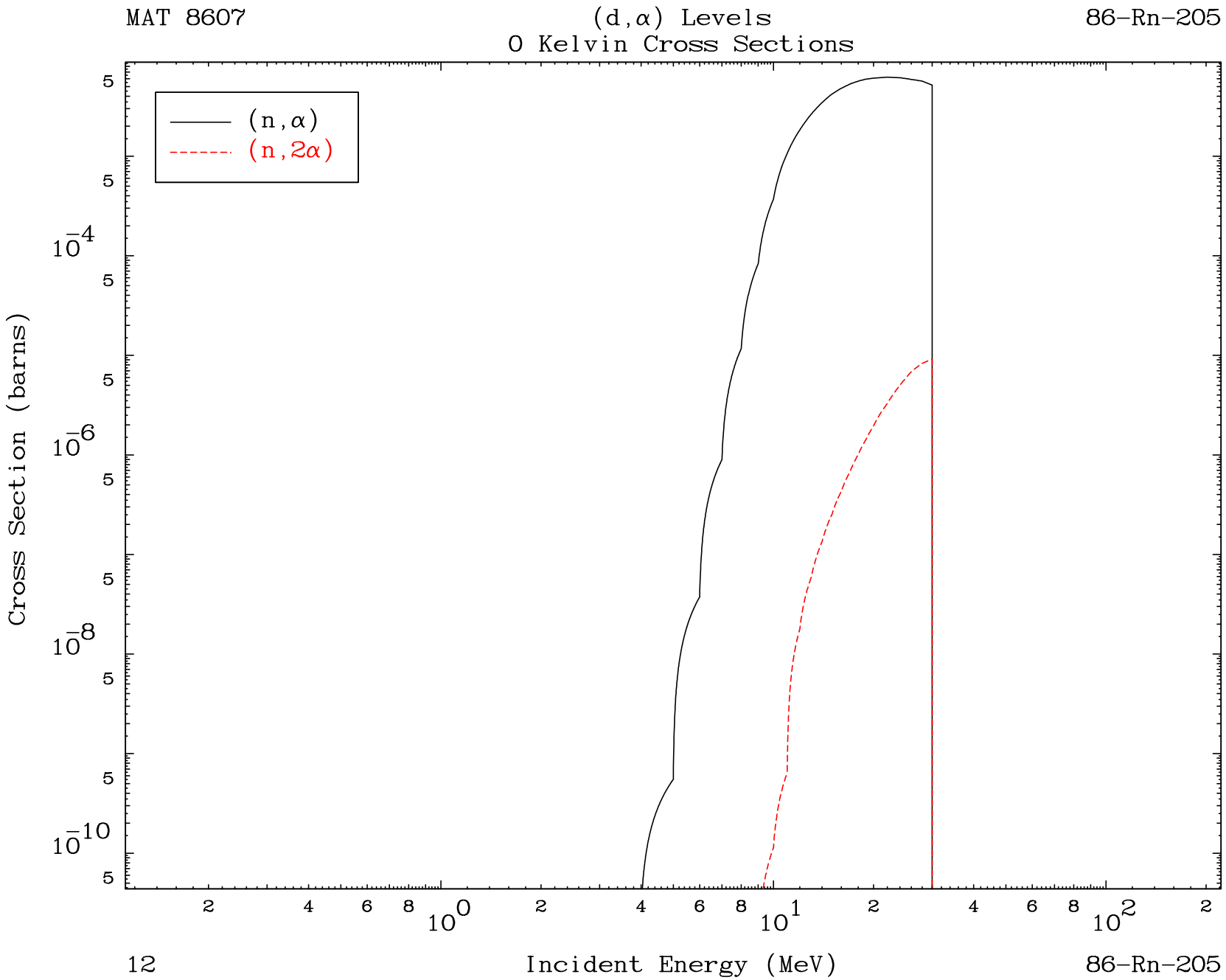

MAT 8607
Deuteron Charged Particle
0 Kelvin Cross Sections
86-Rn-205
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
86-Rn-205

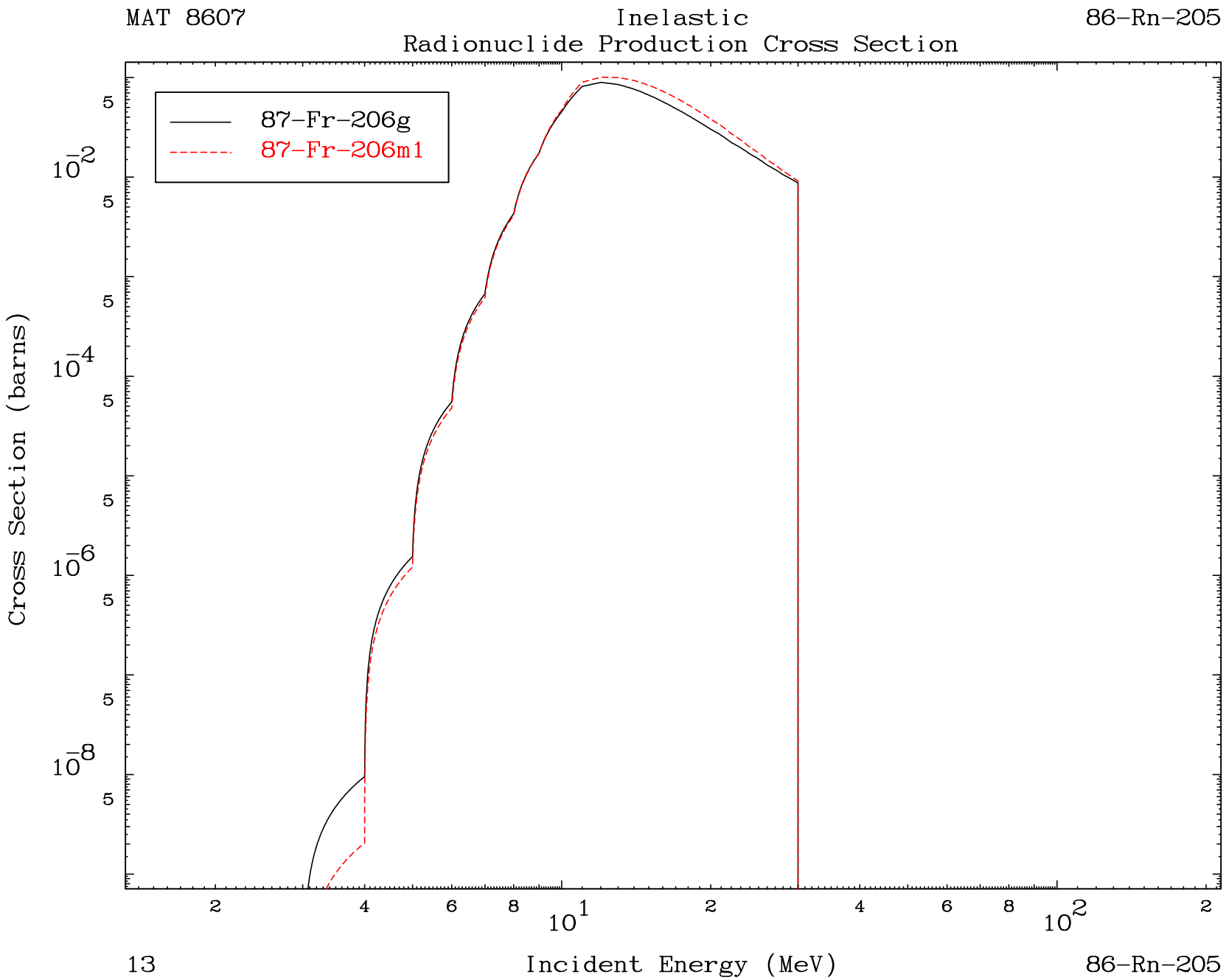

MAT 8607
(d,p) Levels
86-Rn-205
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
86-Rn-205

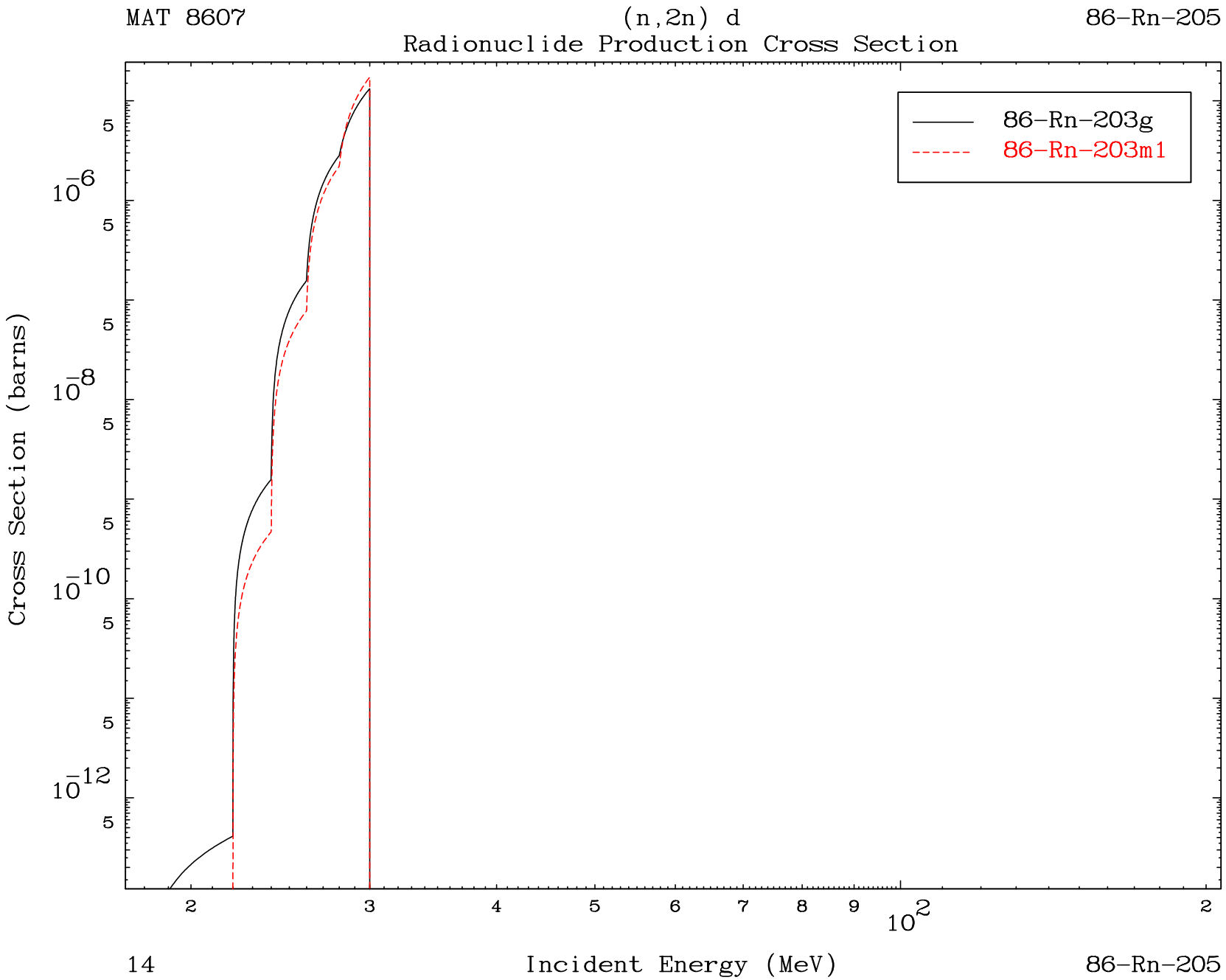

MAT 8607
(d,d) Levels
86-Rn-205
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
86-Rn-205

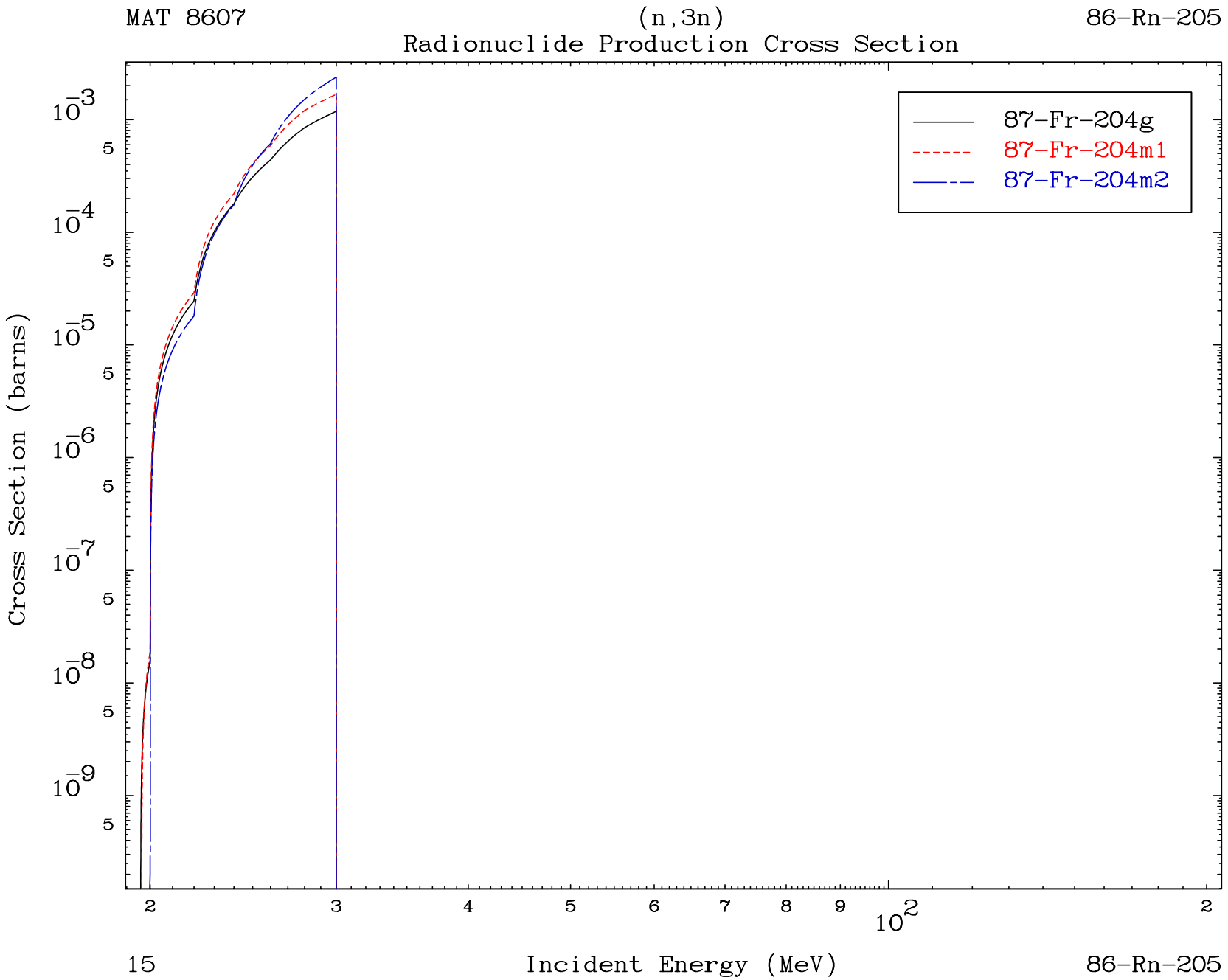

MAT 8607
(d,t) Levels
86-Rn-205
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-205

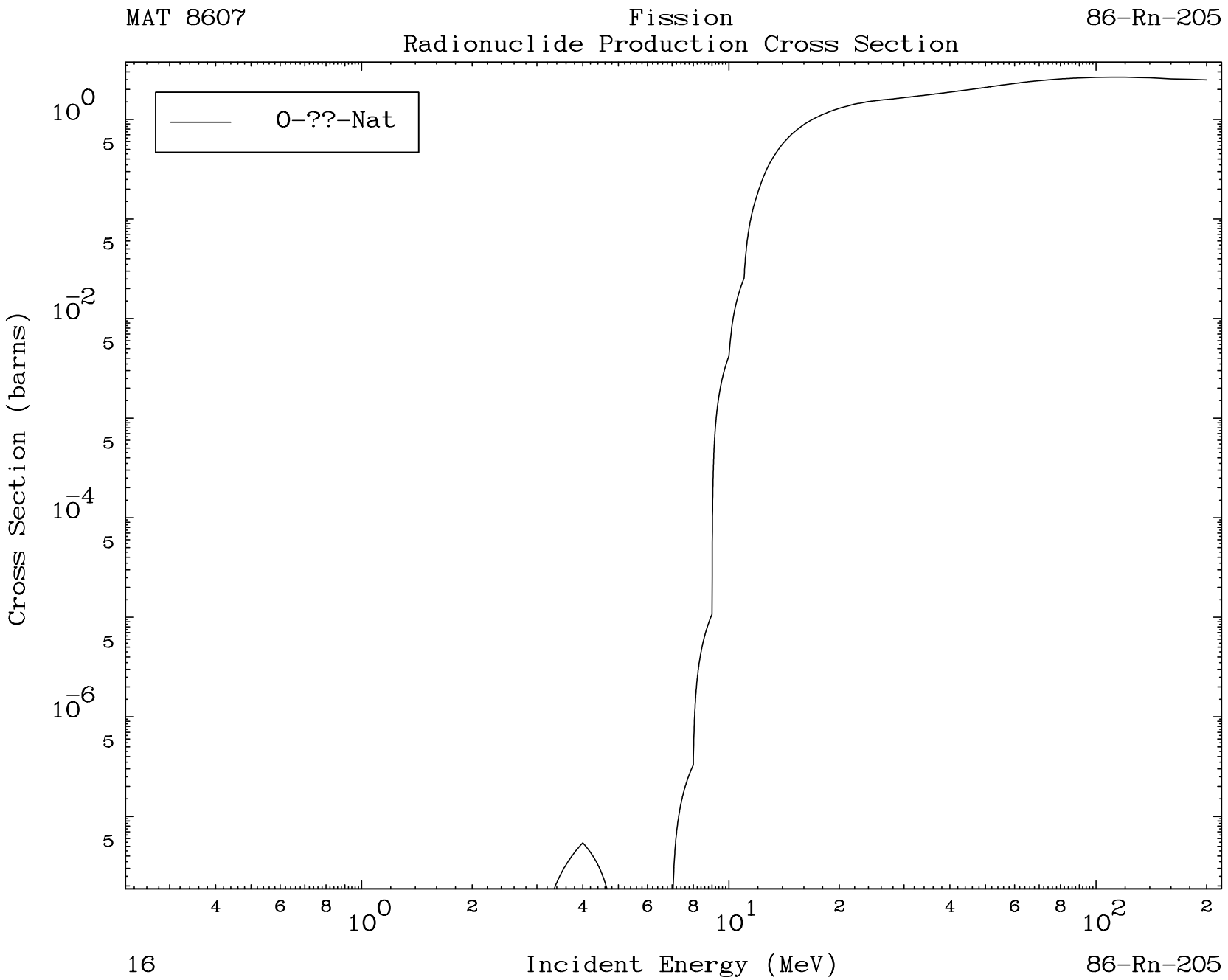

MAT 8607
(d,He3) Levels
86-Rn-205
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
86-Rn-205

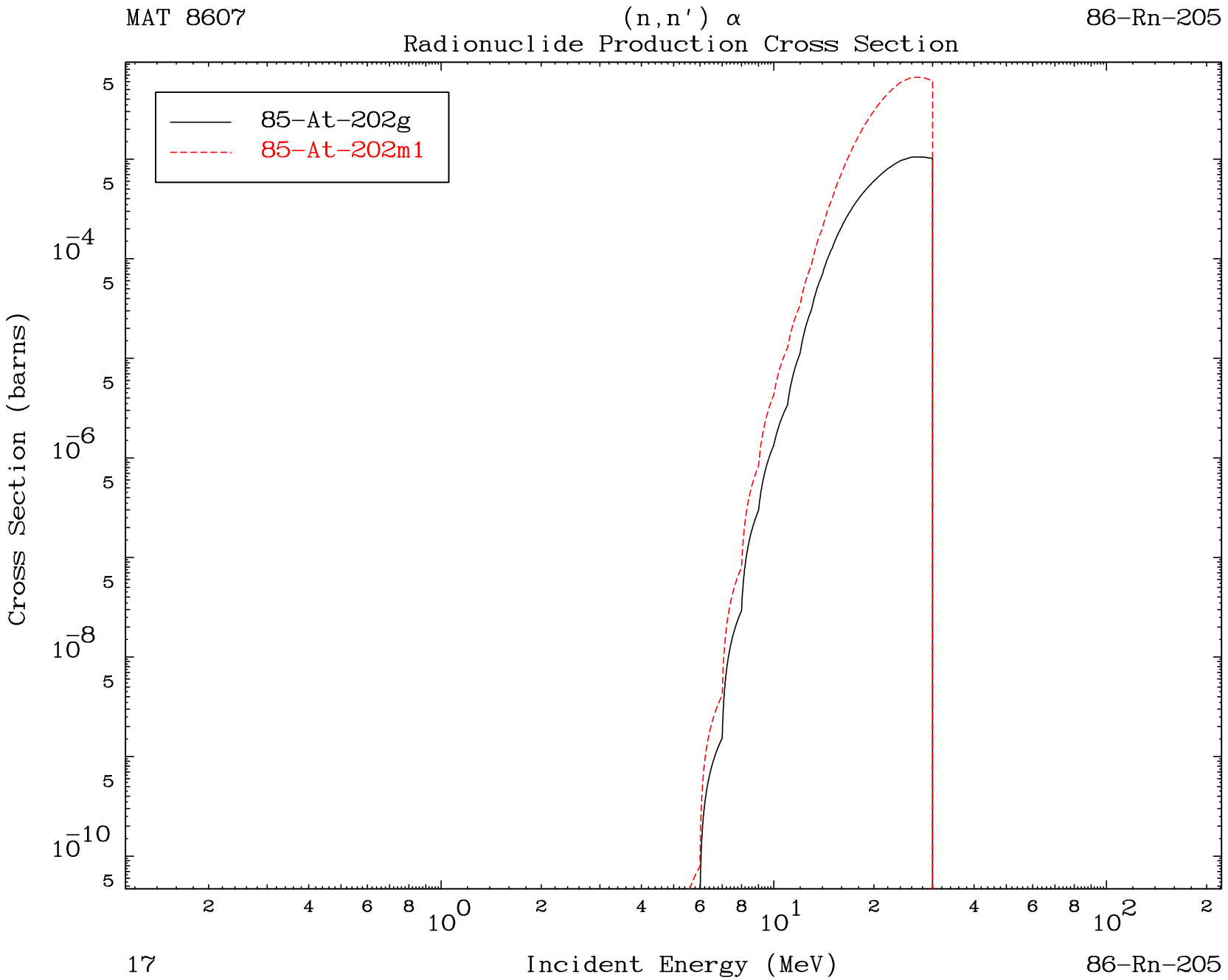

MAT 8607
(d,α) Levels
86-Rn-205
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
86-Rn-205

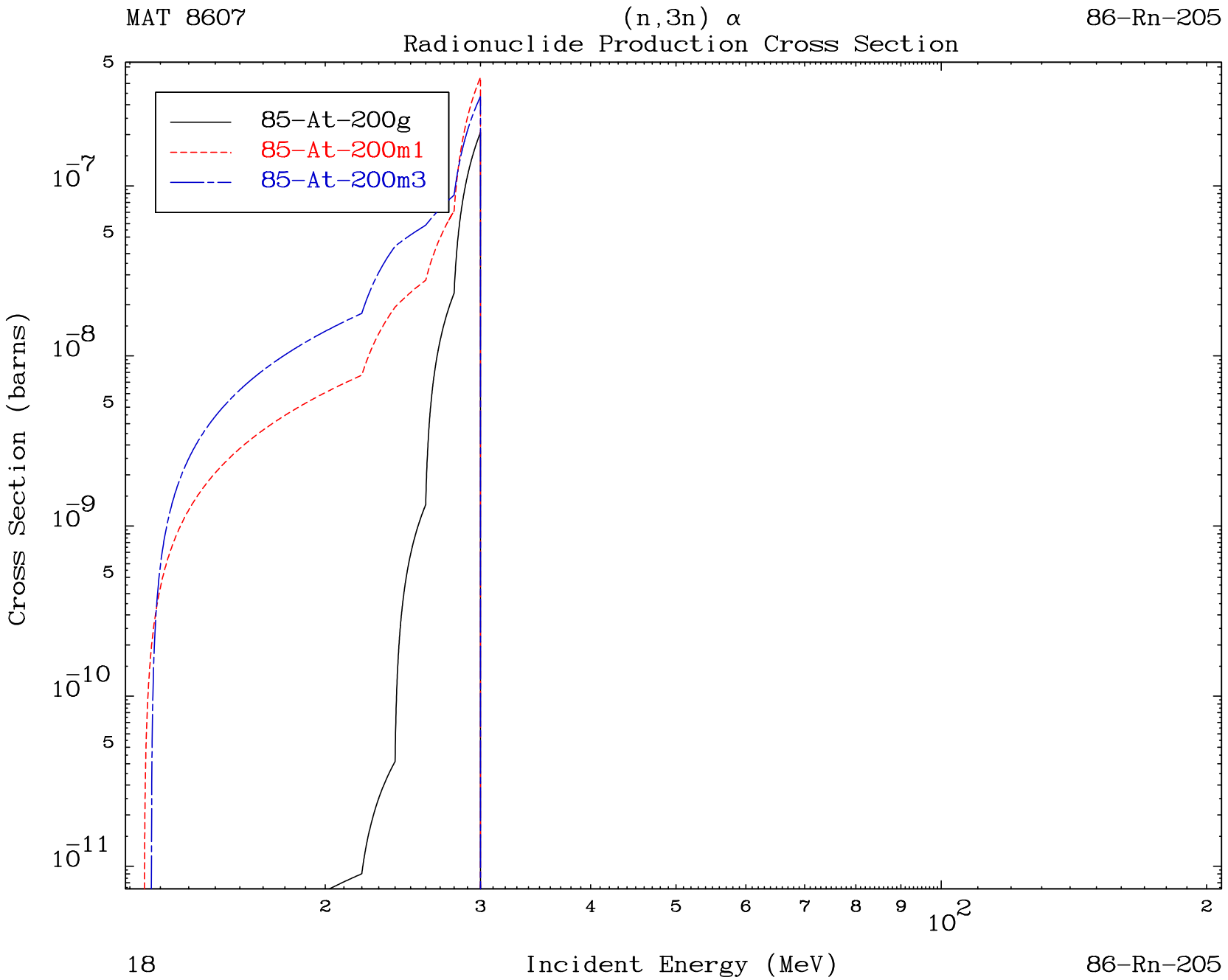

MAT 8607
Inelastic
86-Rn-205
Radionuclide Production Cross Section
87-Fr-206g
87-Fr-206m1
Cross Section (barns)
Incident Energy (MeV)
13
86-Rn-205

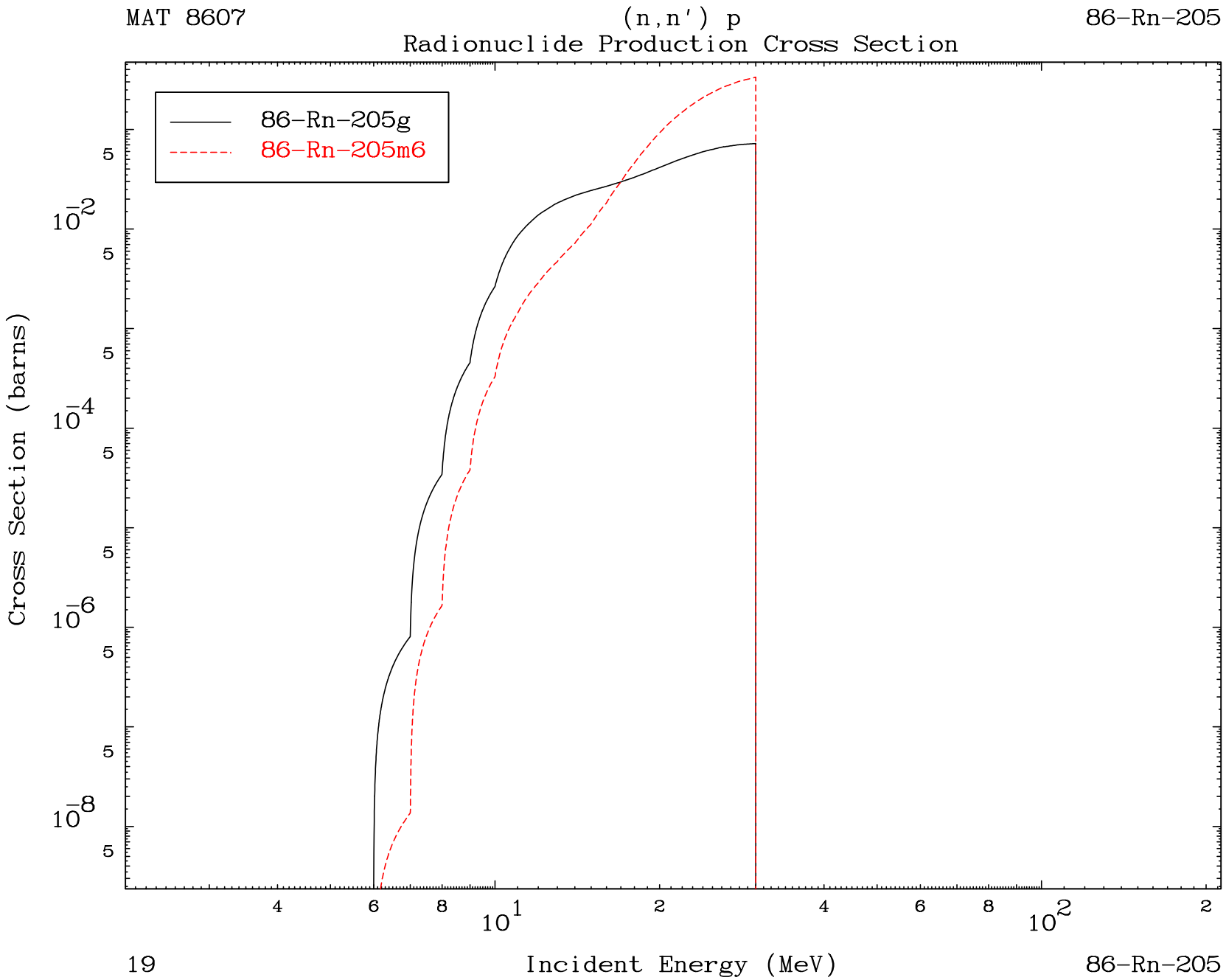

MAT 8607
(n,2n) d
86-Rn-205
Radionuclide Production Cross Section
86-Rn-203g
86-Rn-203m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
14
86-Rn-205

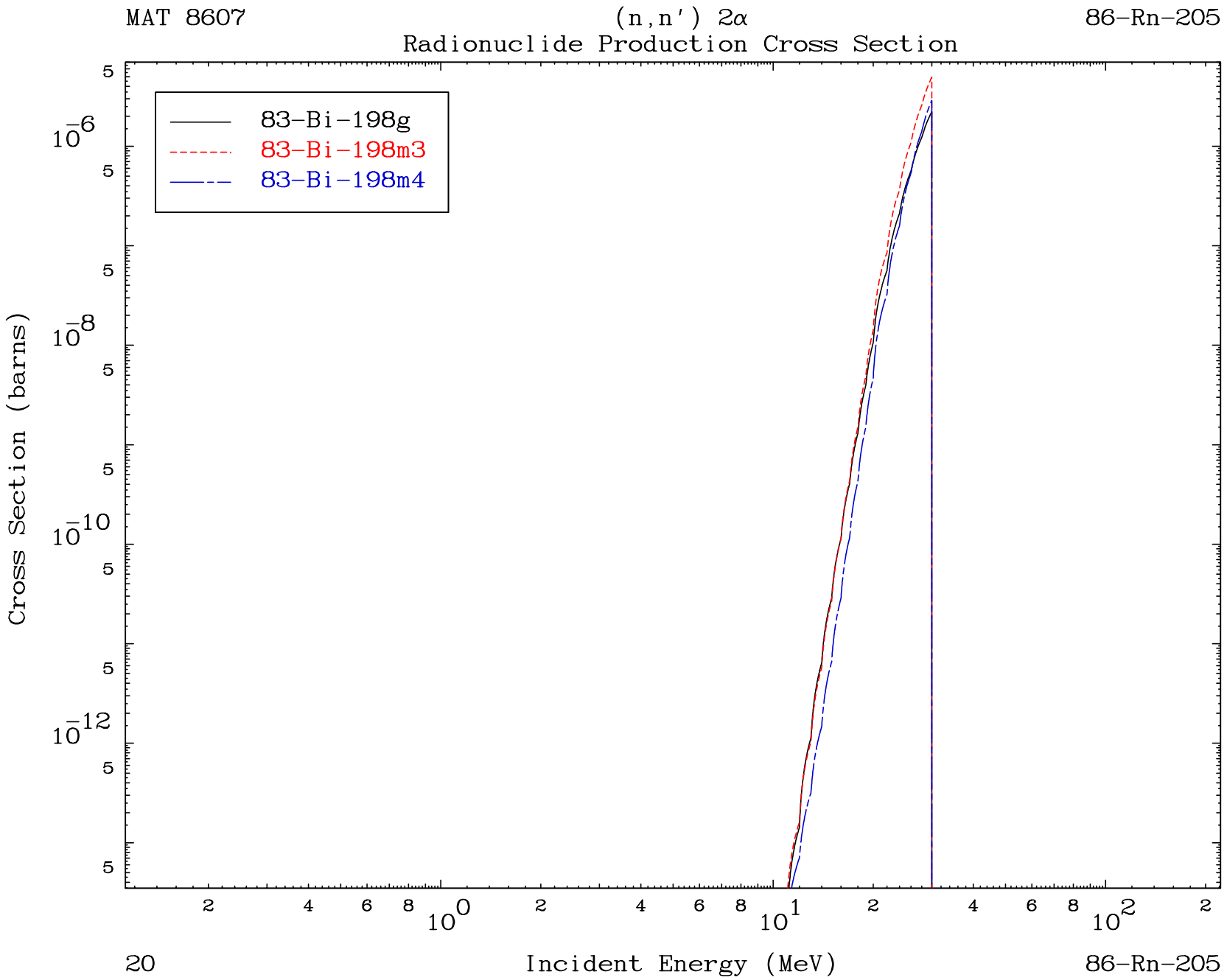

MAT 8607
(n,3n)
86-Rn-205
Radionuclide Production Cross Section
87-Fr-204g
87-Fr-204m1
87-Fr-204m2
Cross Section (barns)
Incident Energy (MeV)
15
86-Rn-205

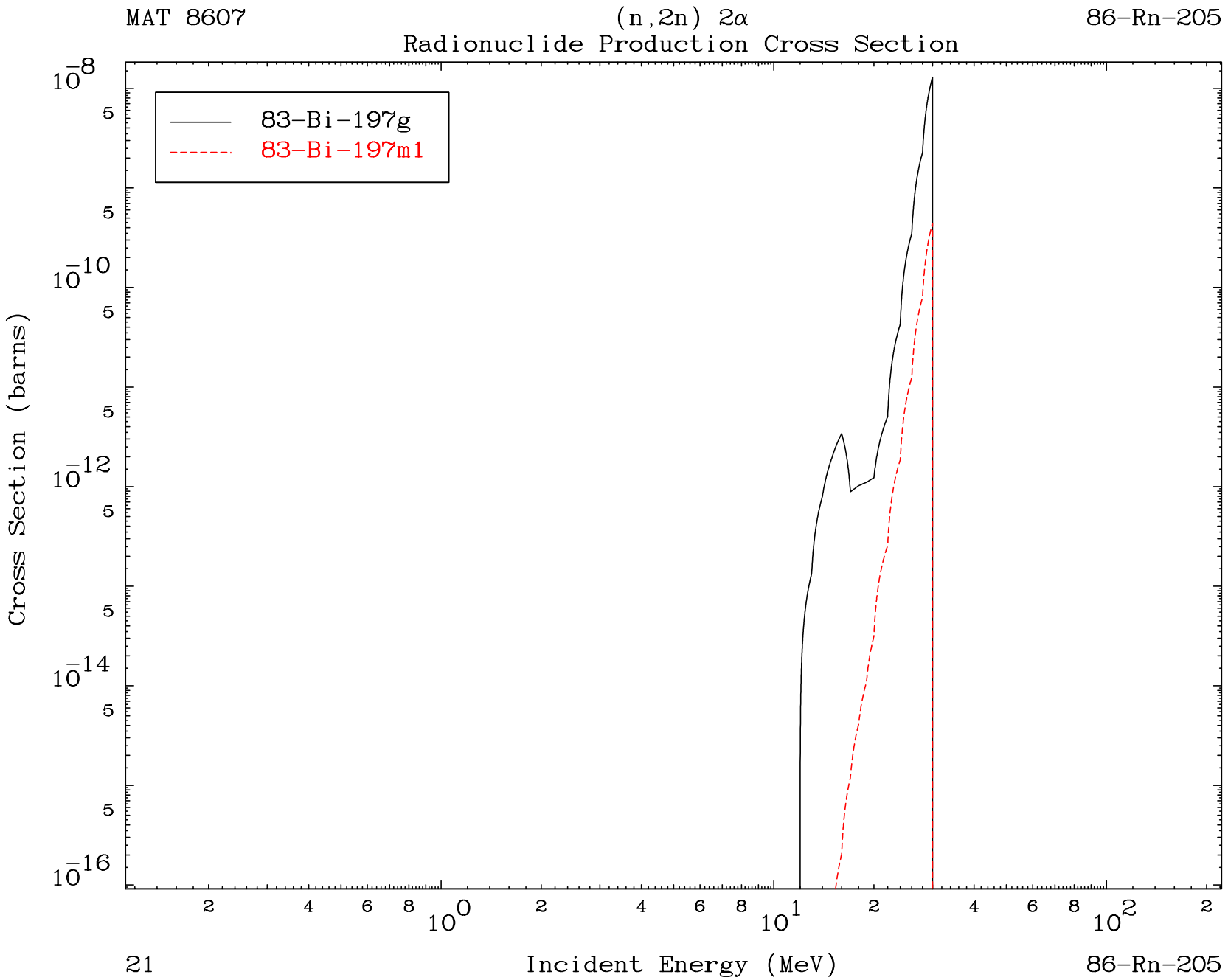

MAT 8607
Fission
86-Rn-205
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
16
86-Rn-205

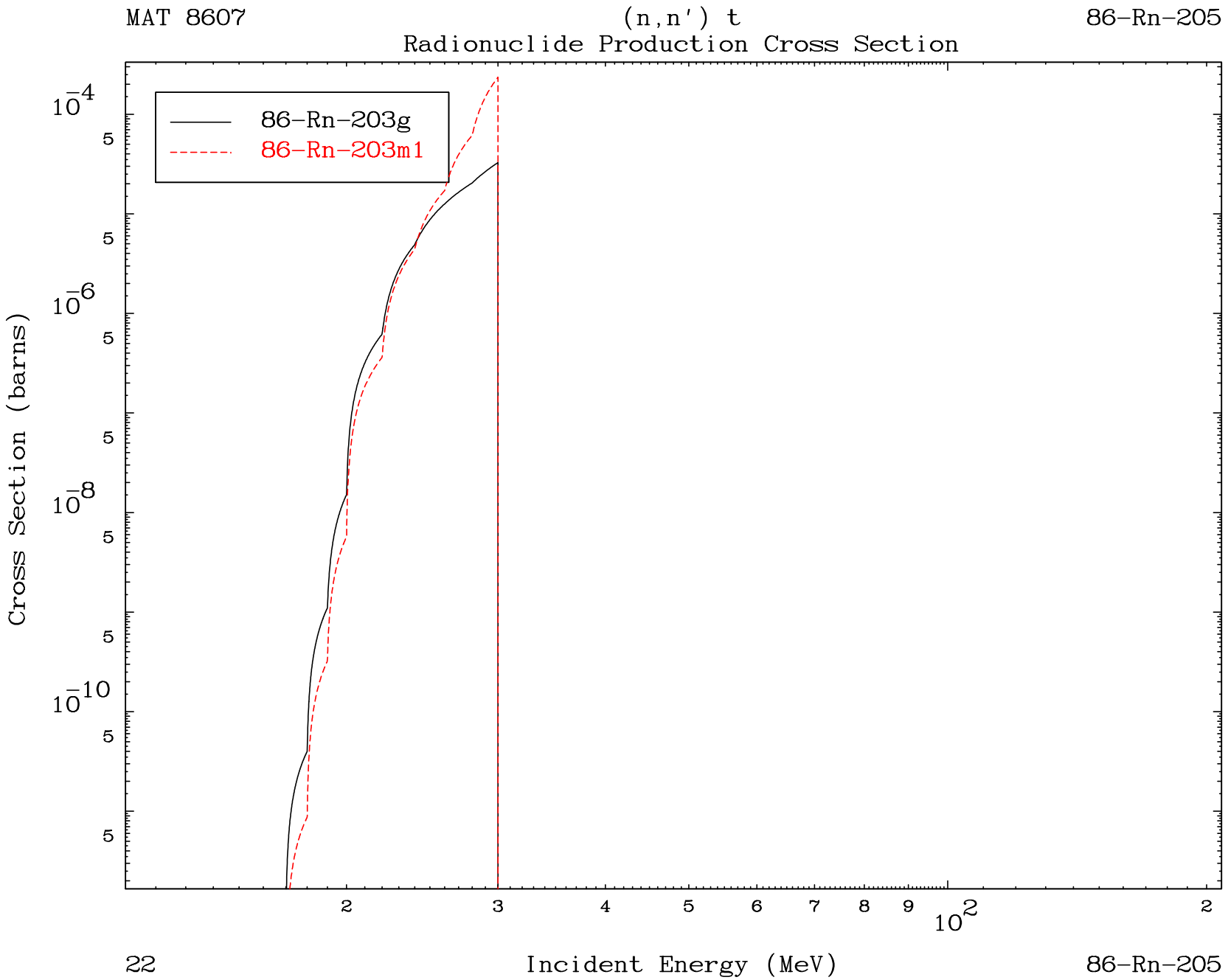

MAT 8607
(n,n') α
86-Rn-205
Radionuclide Production Cross Section
85-At-202g
85-At-202m1
Cross Section (barns)
Incident Energy (MeV)
17
86-Rn-205

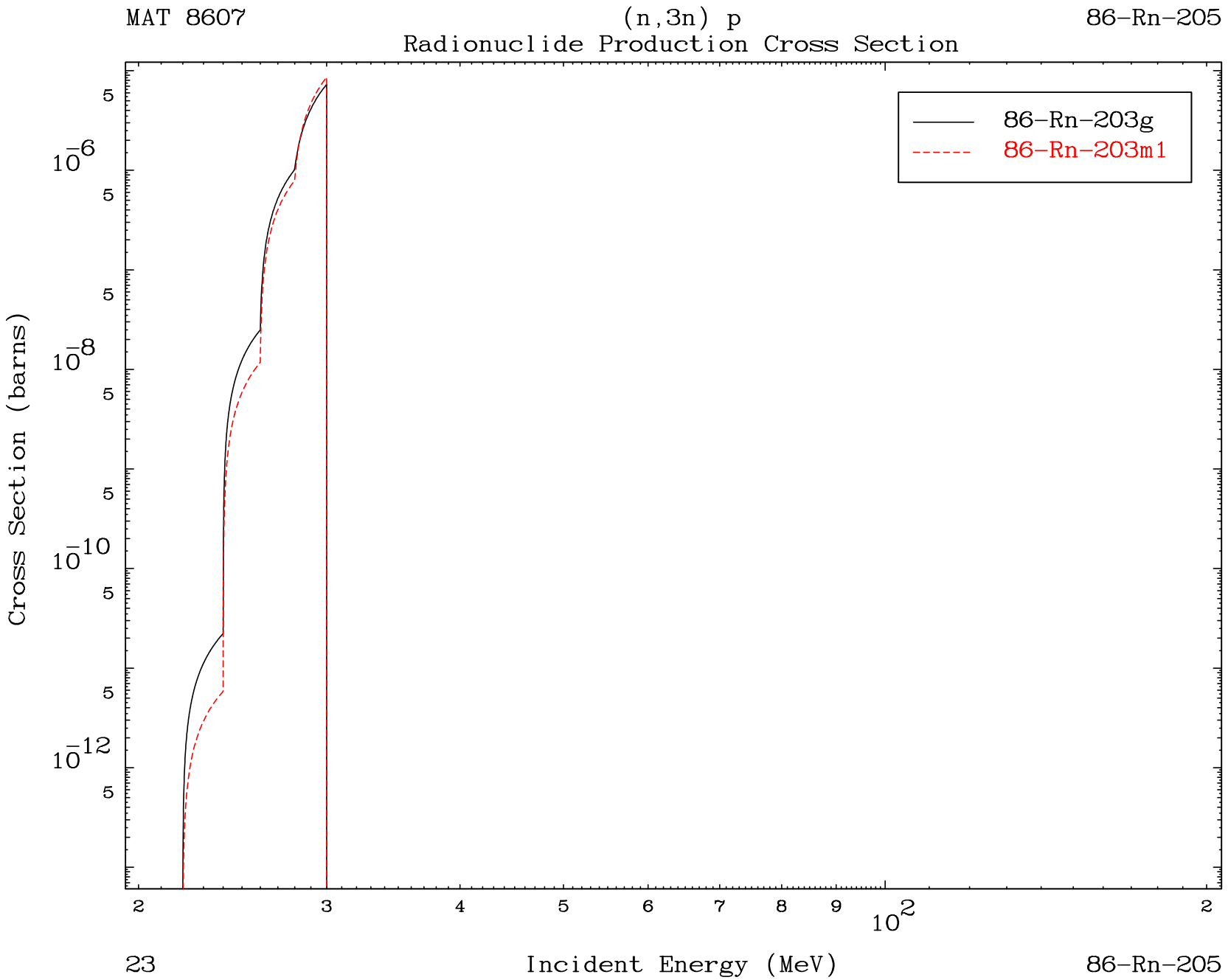

MAT 8607
(n,3n) α
86-Rn-205
Radionuclide Production Cross Section
85-At-200g
85-At-200m1
85-At-200m3
Cross Section (barns)
Incident Energy (MeV)
18
86-Rn-205

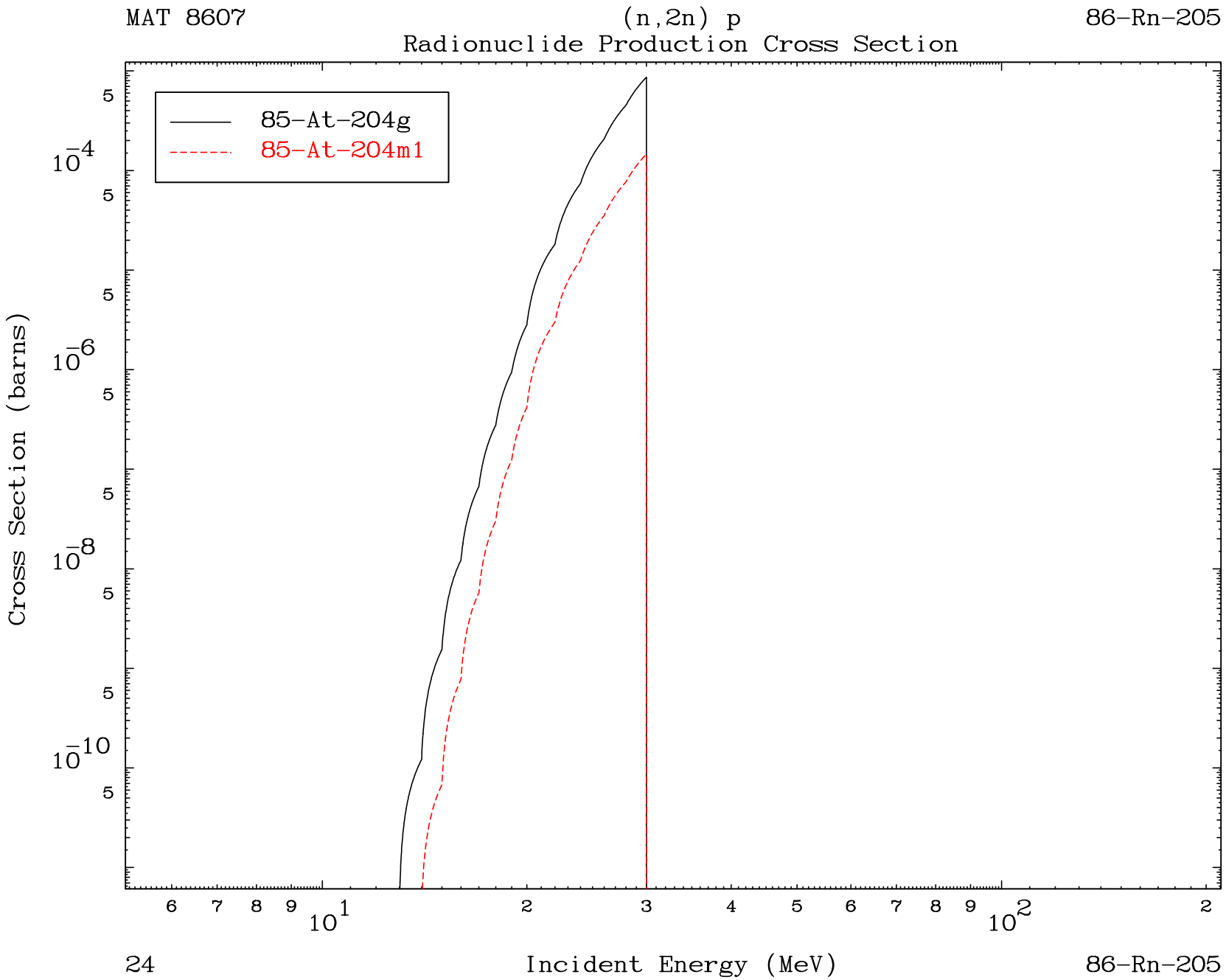

MAT 8607
(n,n') p
86-Rn-205
Radionuclide Production Cross Section
86-Rn-205g
86-Rn-205m6
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
19
Incident Energy (MeV)
86-Rn-205

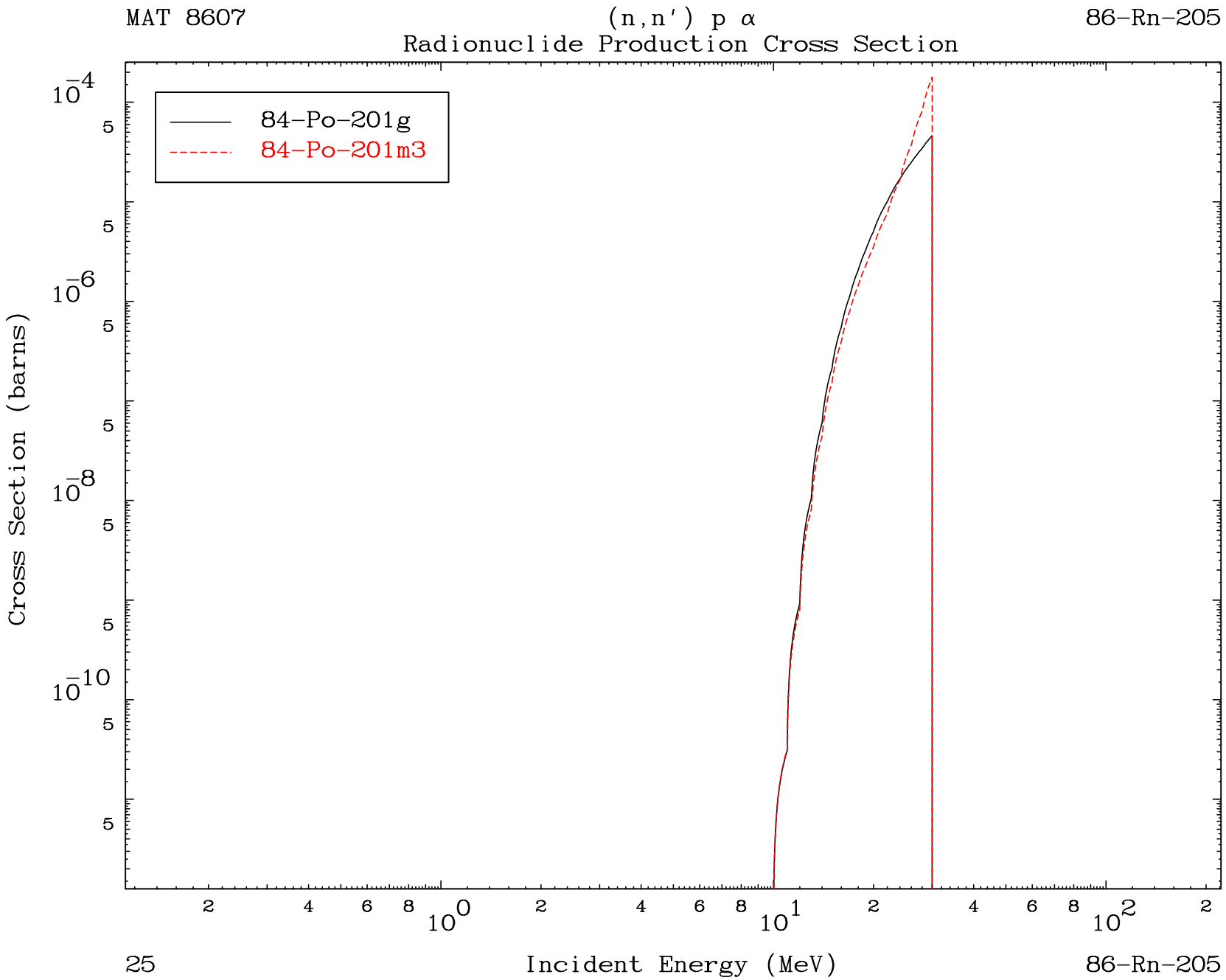

MAT 8607
(n,n') 2α
86-Rn-205
Radionuclide Production Cross Section
83-Bi-198g
83-Bi-198m3
83-Bi-198m4
Cross Section (barns)
Incident Energy (MeV)
20
86-Rn-205

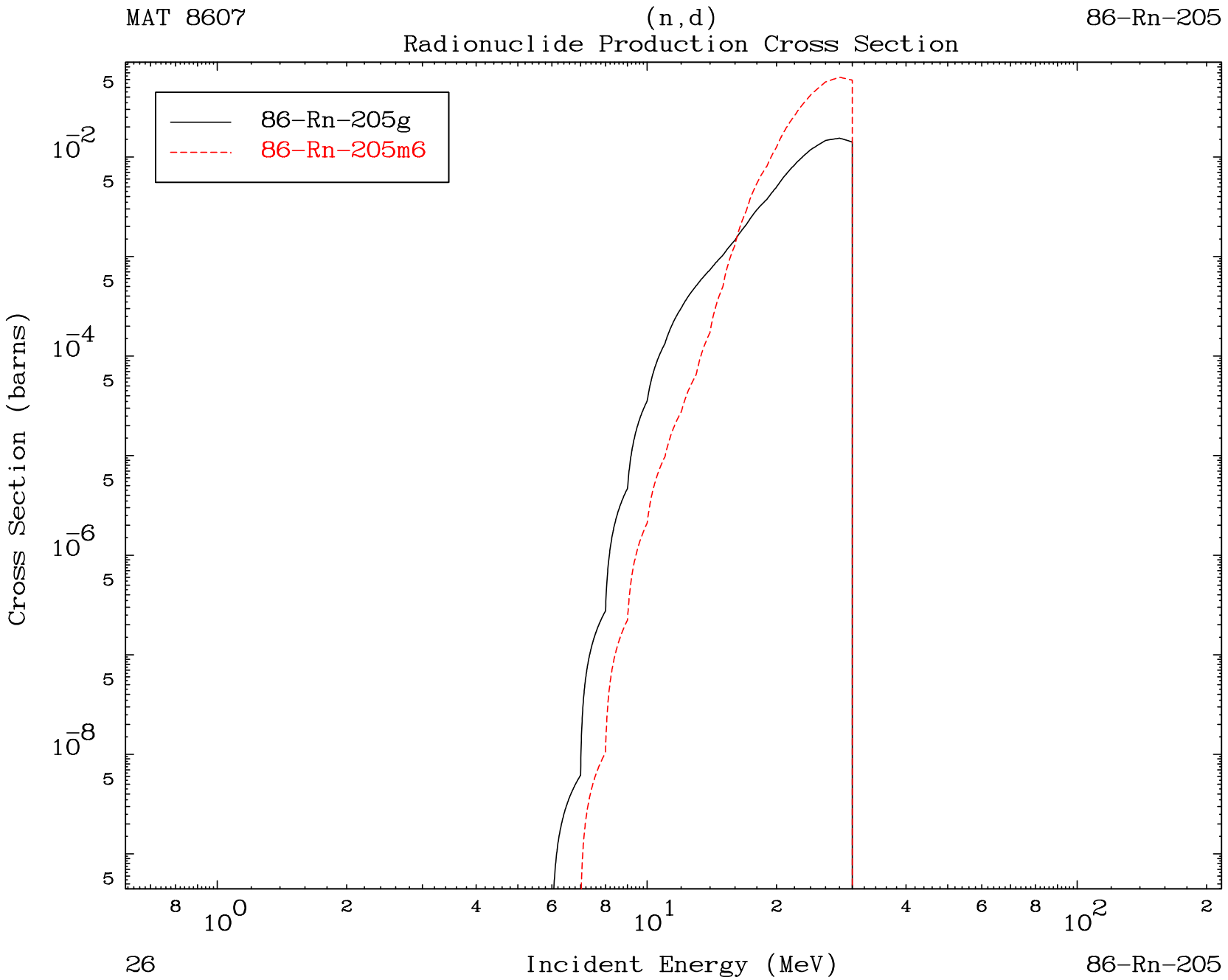

MAT 8607
(n,2n) 2α
86-Rn-205
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
Incident Energy (MeV)
21
86-Rn-205

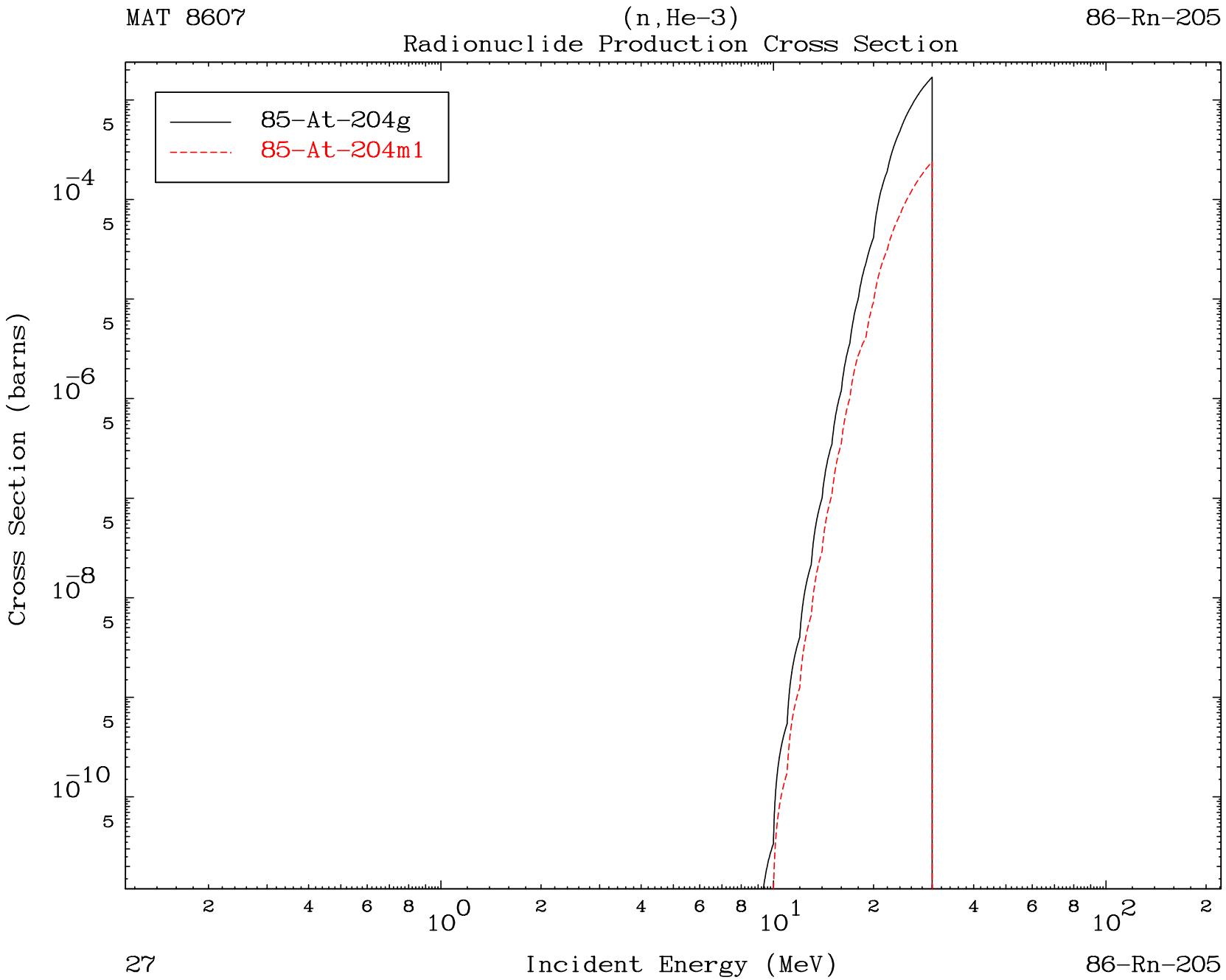

MAT 8607
(n,n') t
86-Rn-205
Radionuclide Production Cross Section
86-Rn-203g
86-Rn-203m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
86-Rn-205

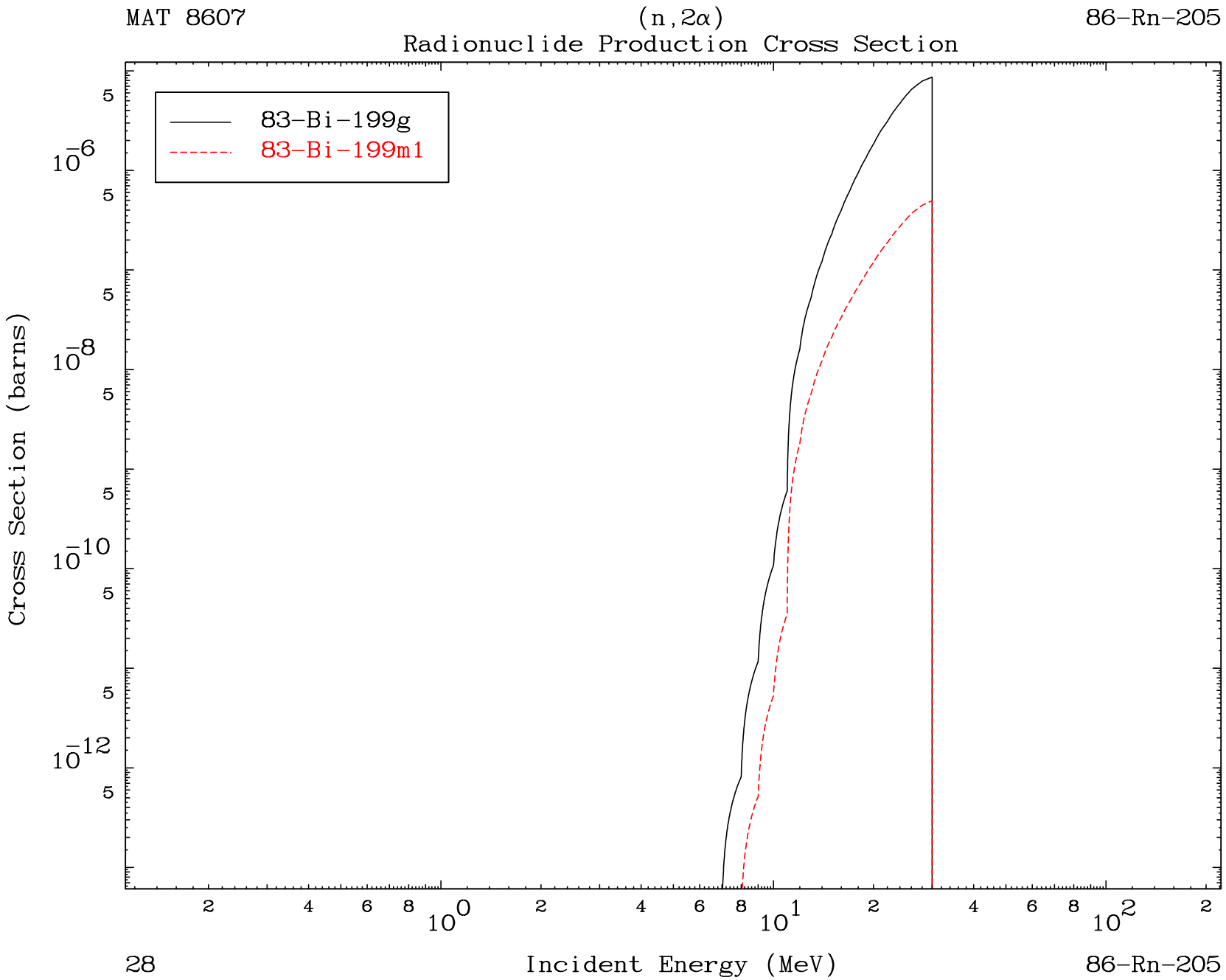

MAT 8607
(n,3n) p
86-Rn-205
Radionuclide Production Cross Section
86-Rn-203g
86-Rn-203m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
86-Rn-205

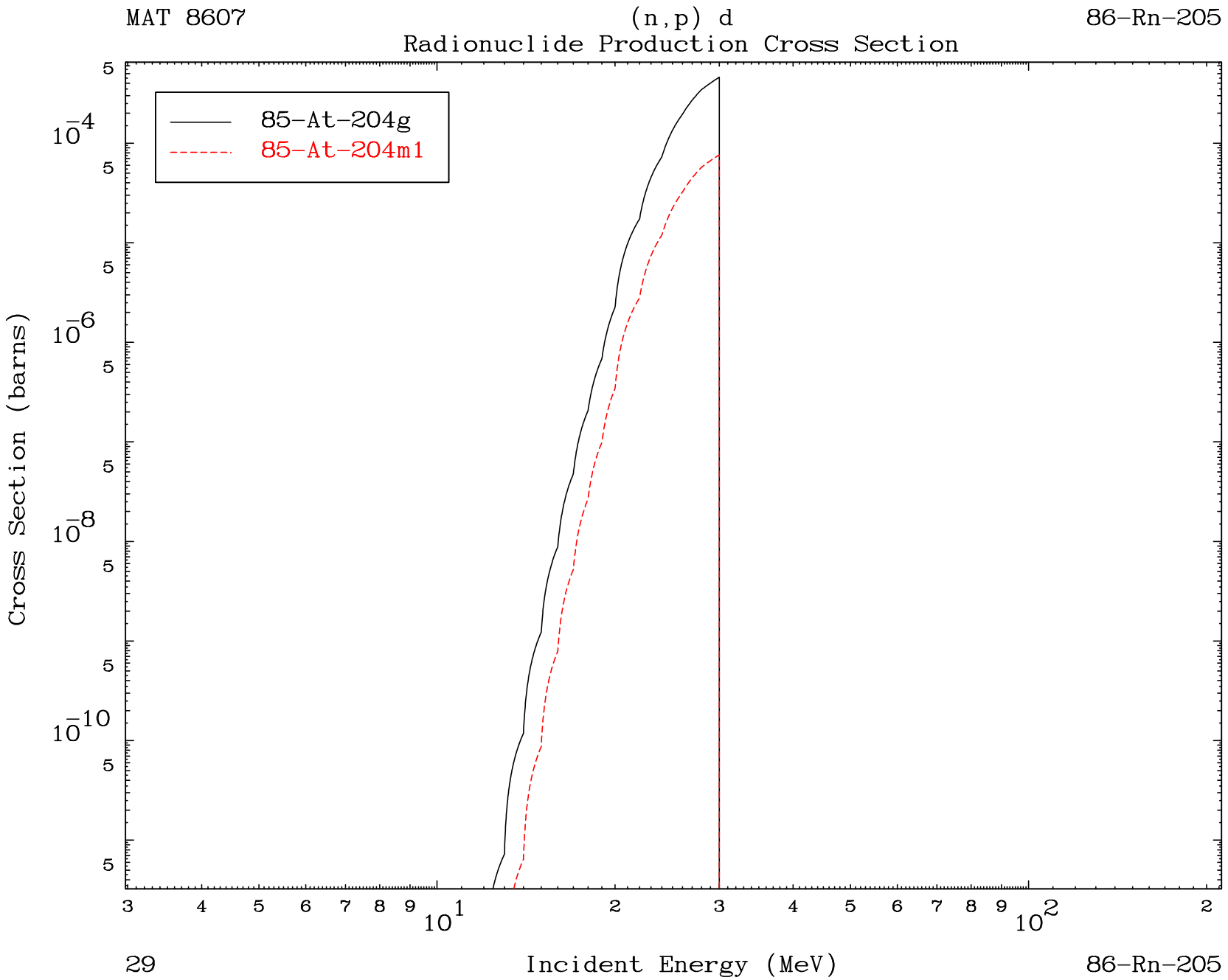

MAT 8607
(n,2n) p
86-Rn-205
Radionuclide Production Cross Section
85-At-204g
85-At-204m1
Cross Section (barns)
Incident Energy (MeV)
24
86-Rn-205

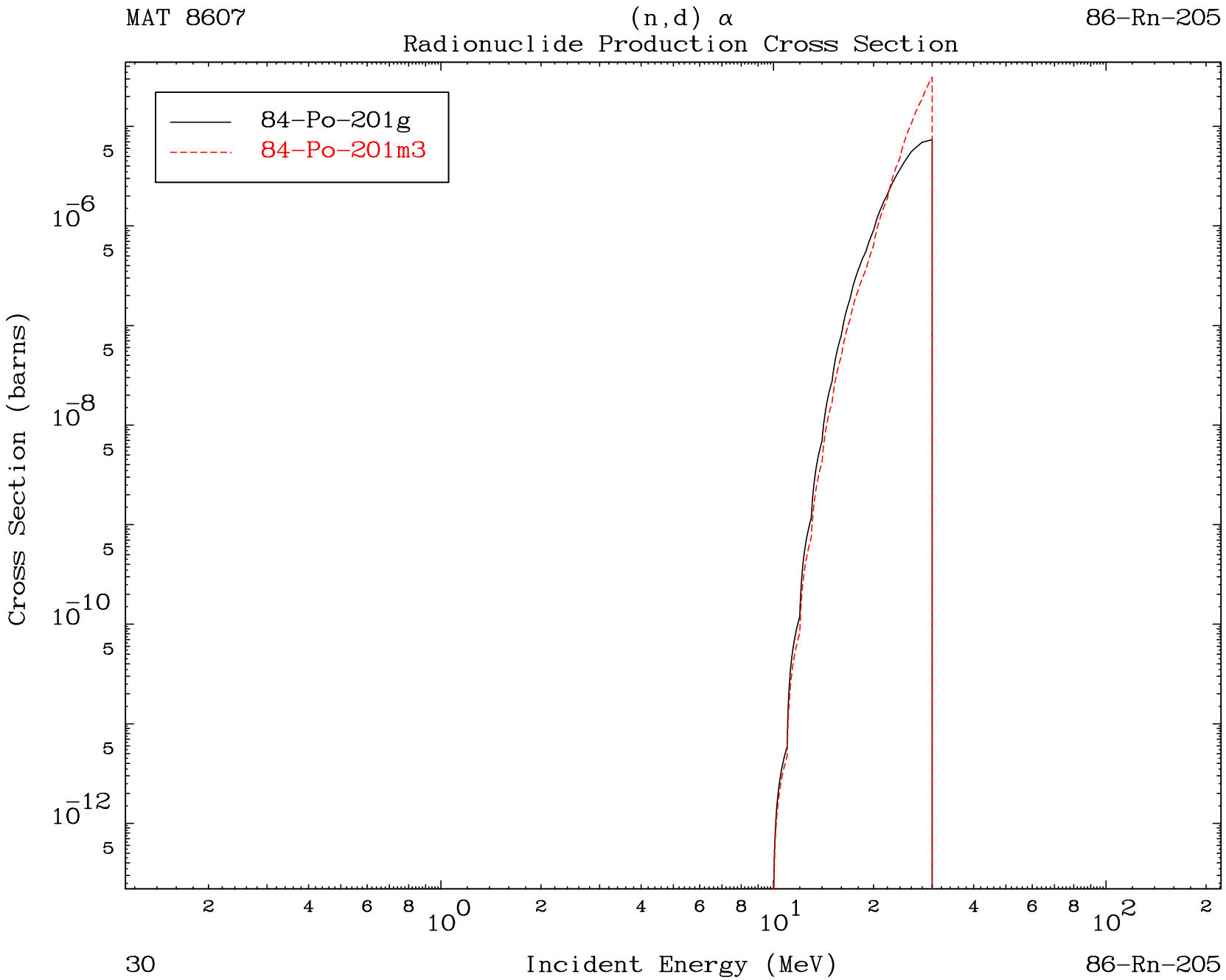

MAT 8607
(n,n') p α
86-Rn-205
Radionuclide Production Cross Section
84-Po-201g
84-Po-201m3
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
25
86-Rn-205


MAT 8607
(n,d)
86-Rn-205
Radionuclide Production Cross Section
86-Rn-205g
86-Rn-205m6
Cross Section (barns)
Incident Energy (MeV)
26
86-Rn-205


MAT 8607
(n,He-3)
86-Rn-205
Radionuclide Production Cross Section
85-At-204g
85-At-204m1
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
27
86-Rn-205


MAT 8607
(n,2α)
86-Rn-205
Radionuclide Production Cross Section
83-Bi-199g
83-Bi-199m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
28
86-Rn-205


MAT 8607
(n,p) d
86-Rn-205
Radionuclide Production Cross Section
85-At-204g
85-At-204m1
Cross Section (barns)
Incident Energy (MeV)
29
86-Rn-205


MAT 8607
(n,d) α
86-Rn-205
Radionuclide Production Cross Section
84-Po-201g
84-Po-201m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
4
6
8
100
101
102
30
Incident Energy (MeV)
86-Rn-205