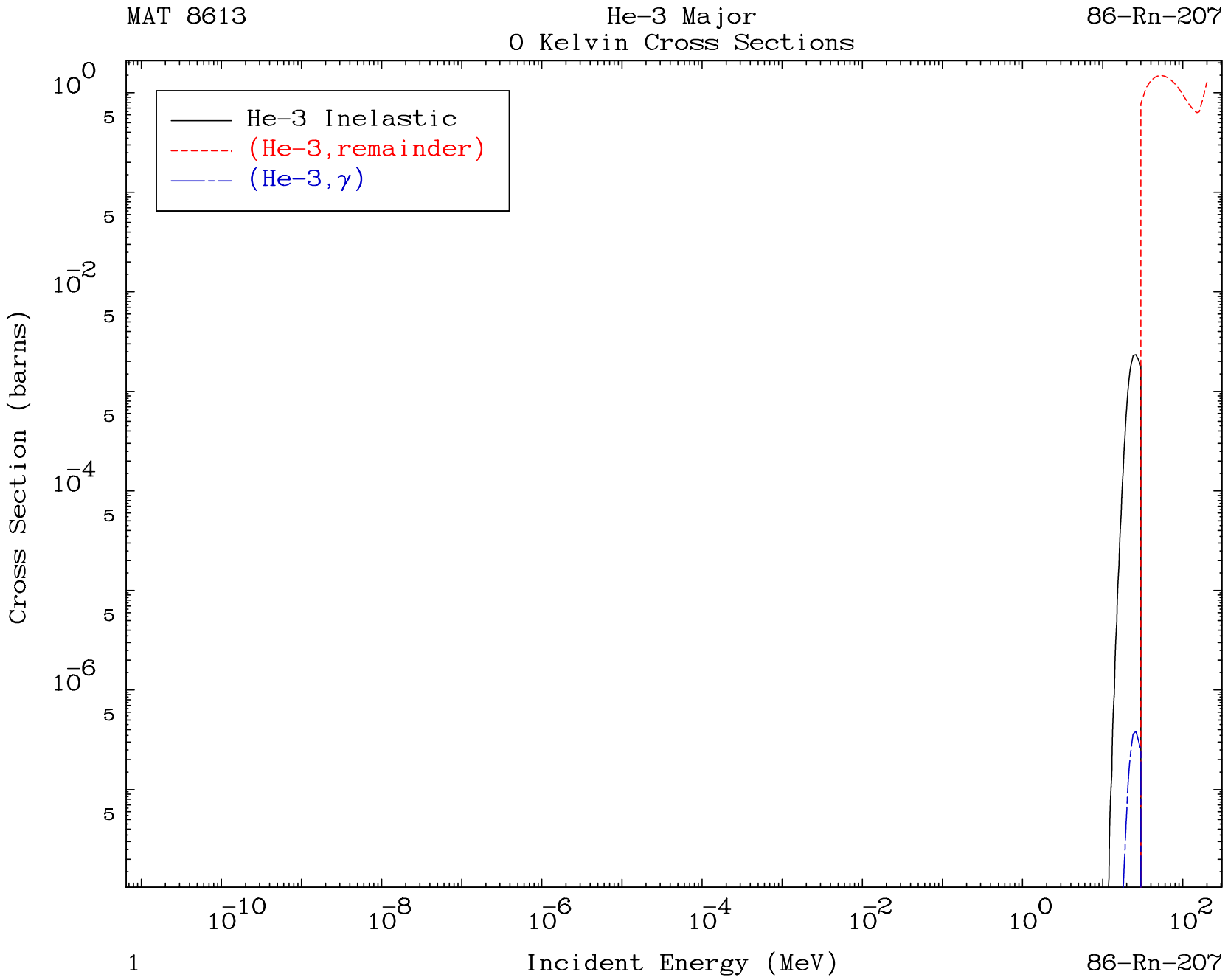
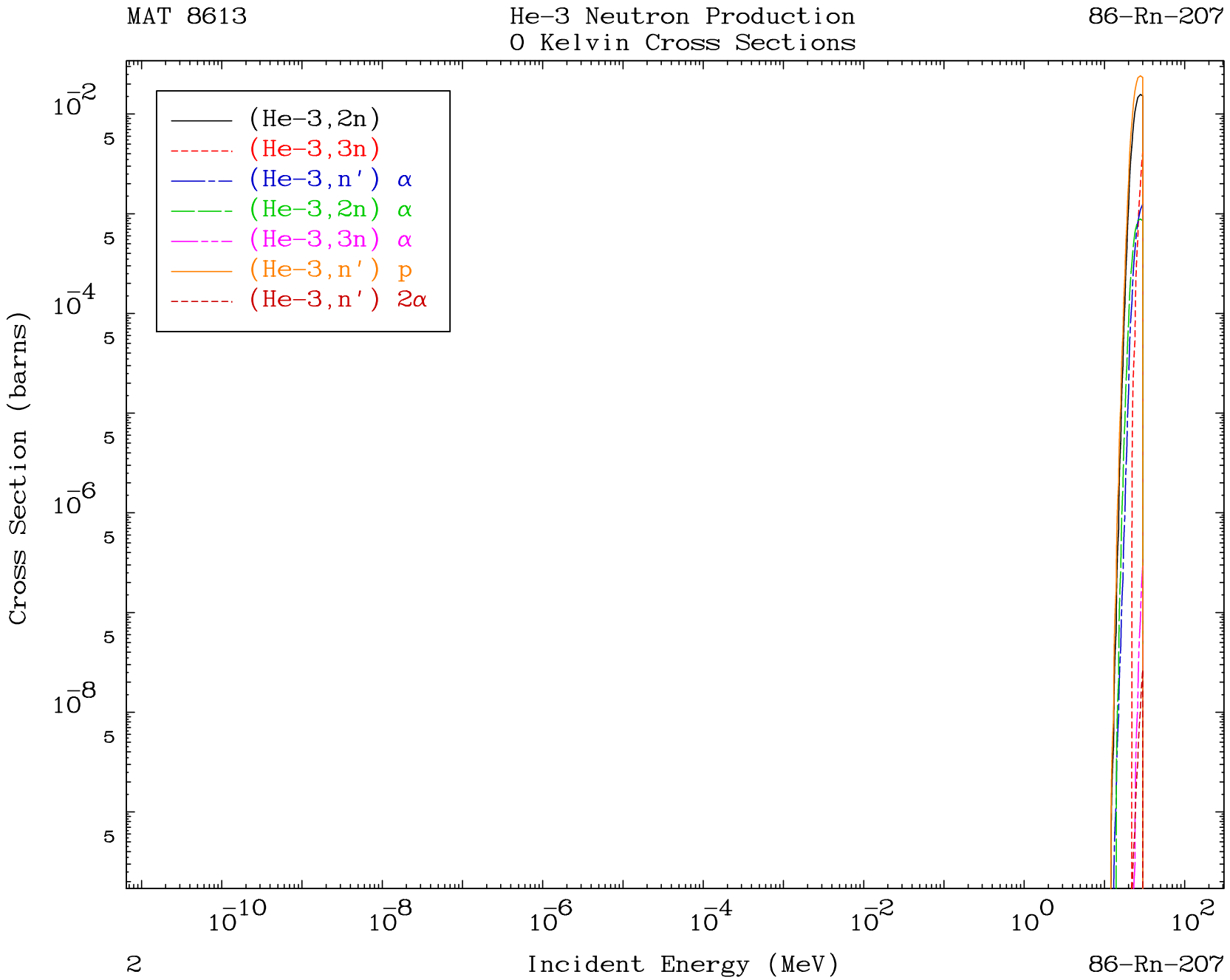
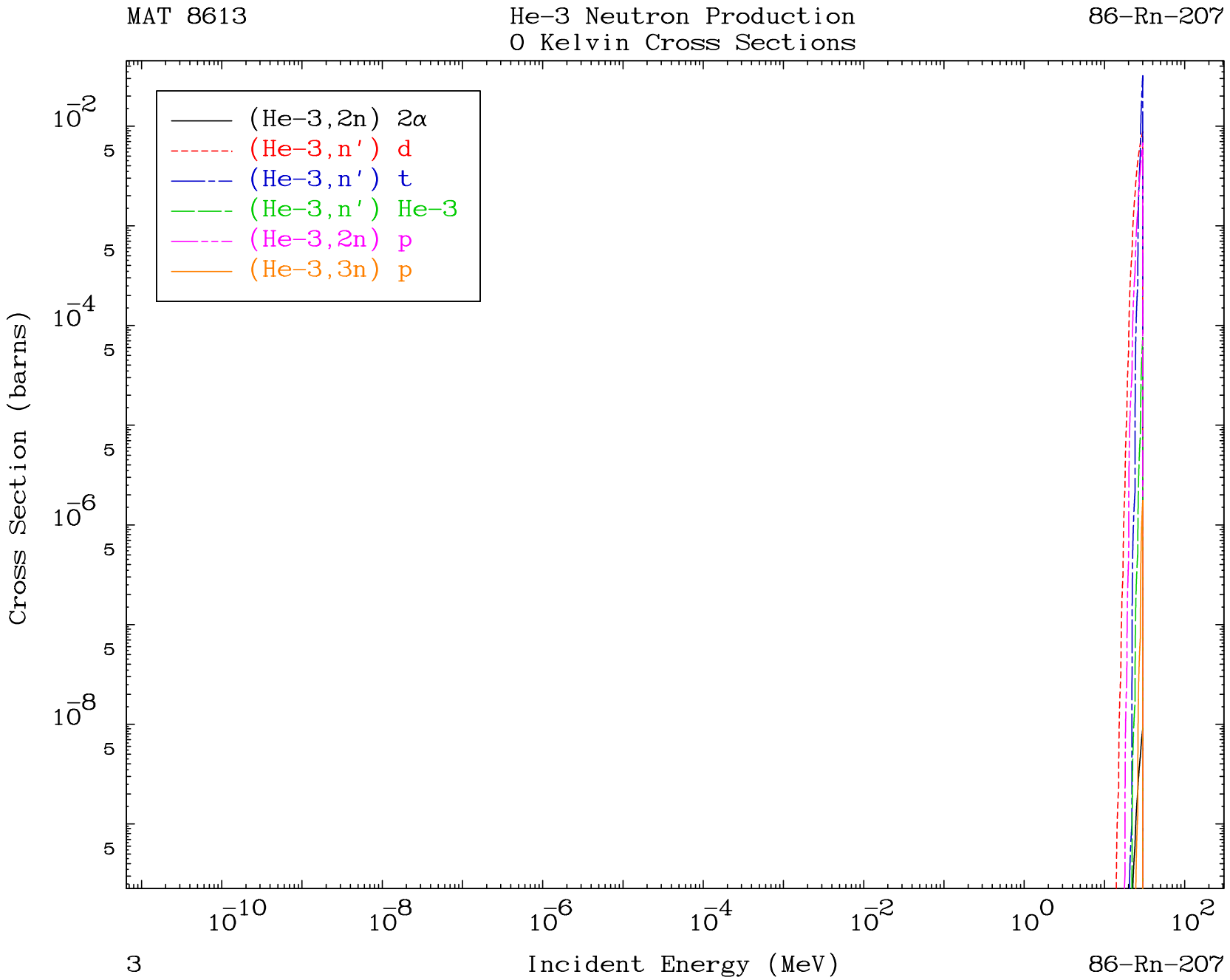
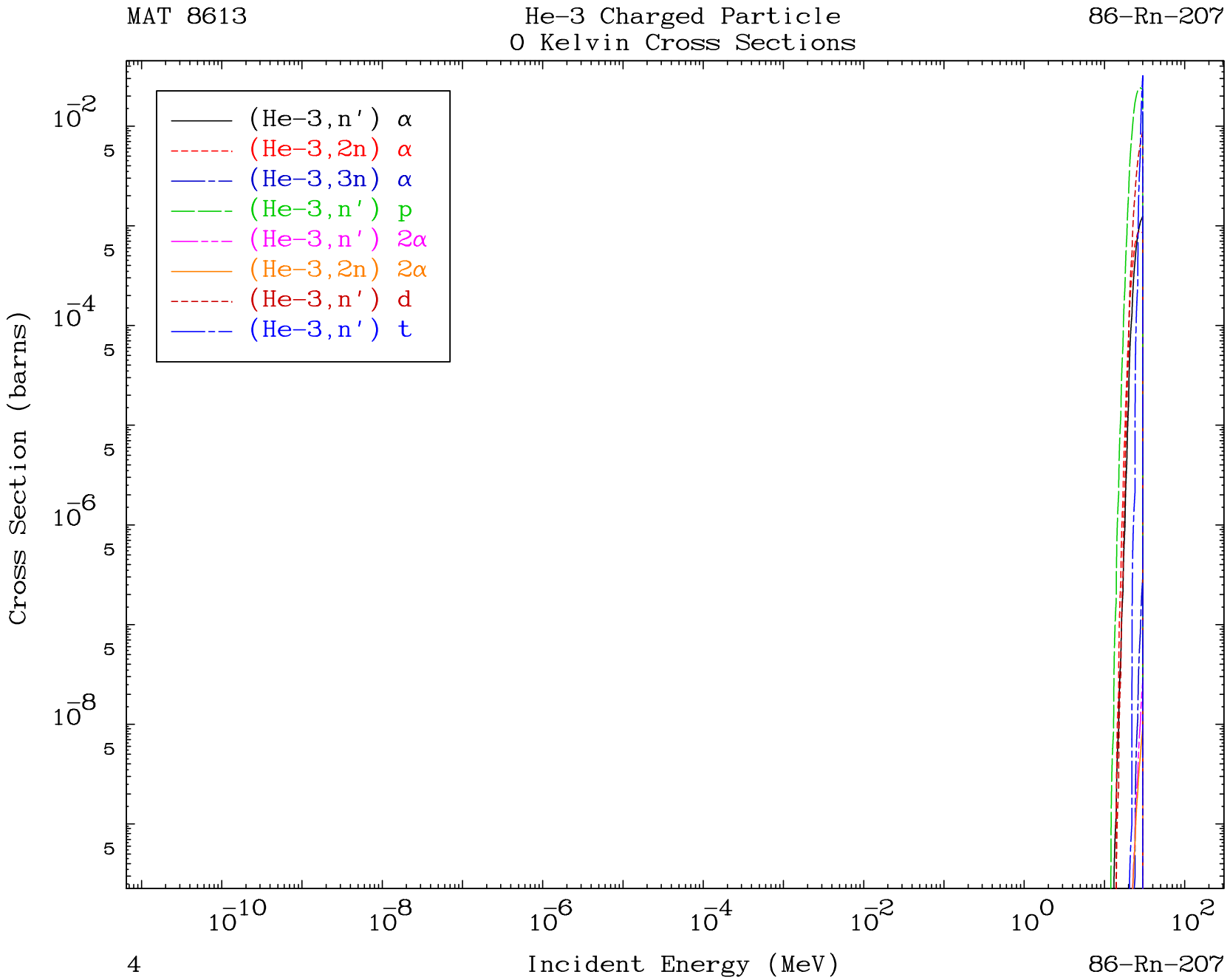
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

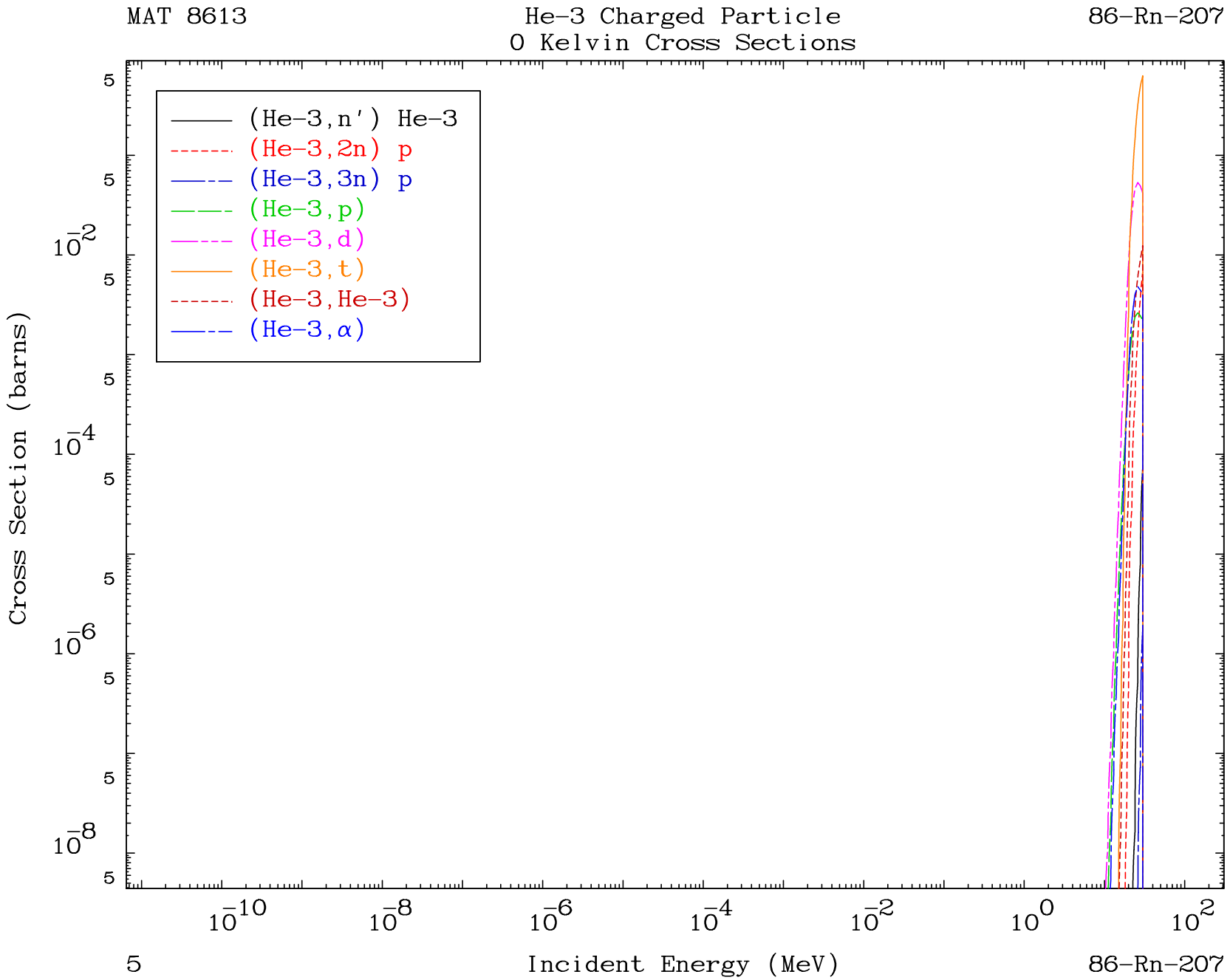
Press Mouse Button to Start

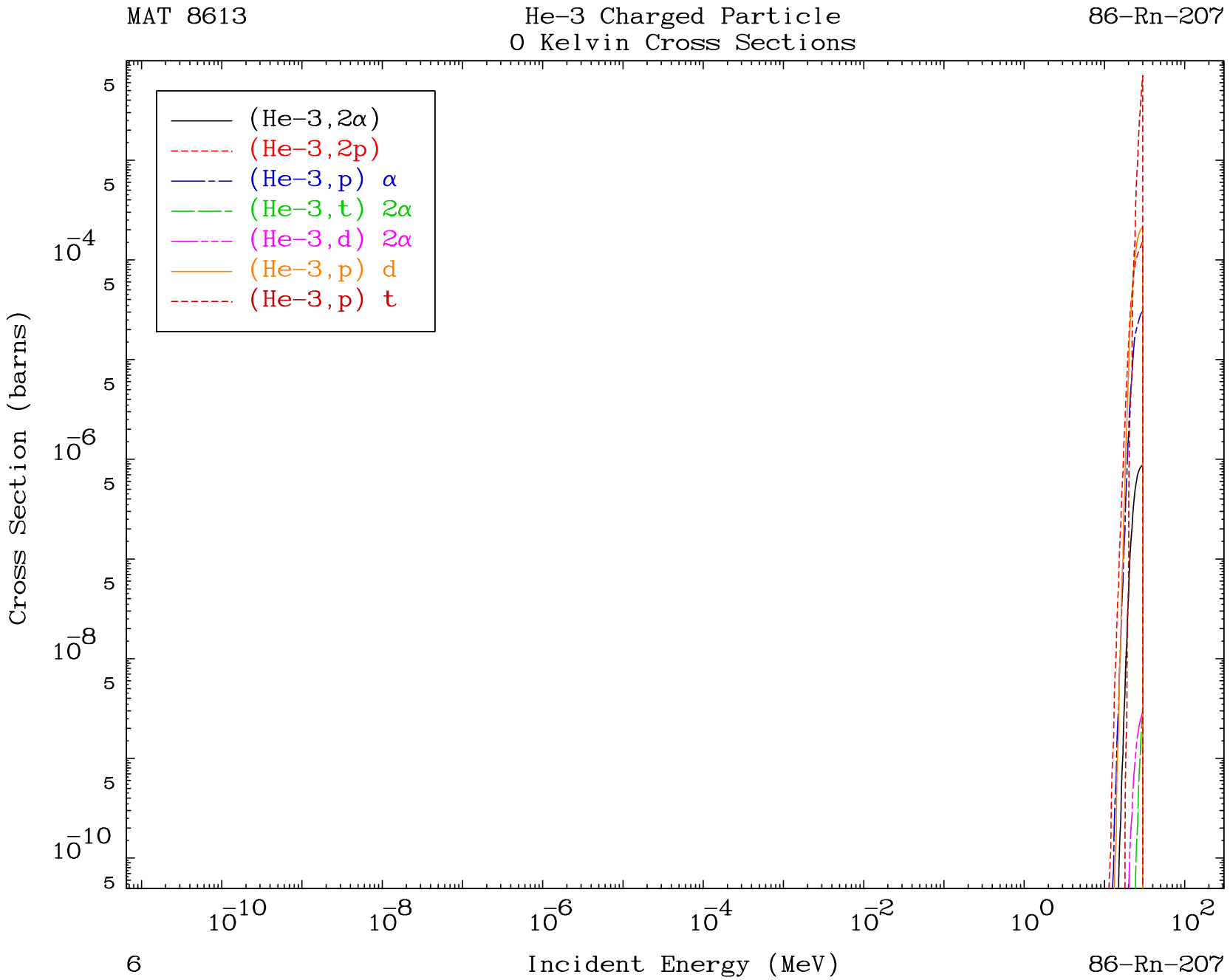

MAT 8613
He-3 Major
86-Rn-207
0 Kelvin Cross Sections
He-3 Inelastic
(He-3,remainder)
(He-3,γ)
Cross Section (barns)
Incident Energy (MeV)
1
86-Rn-207

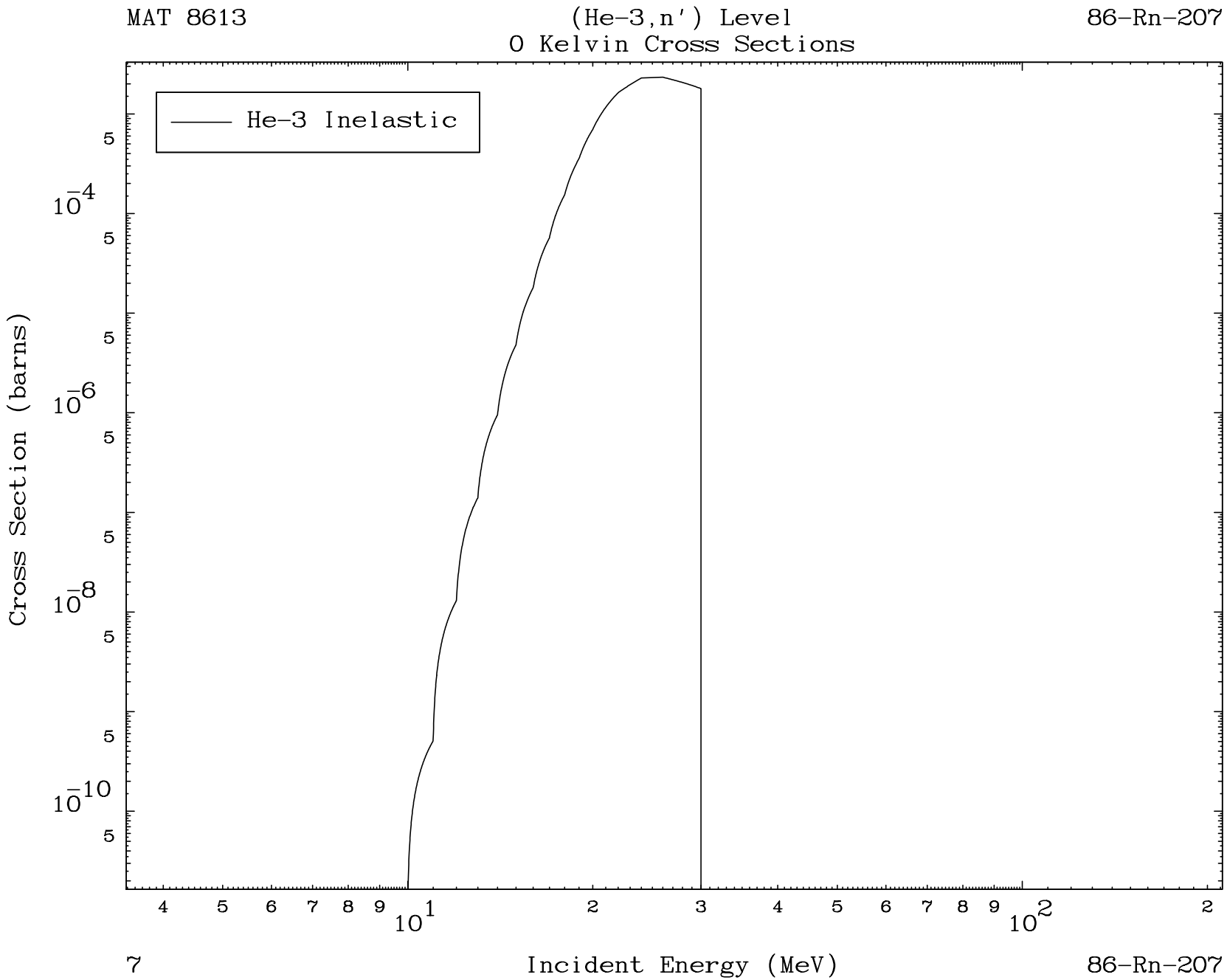

MAT 8613
He-3 Neutron Production
0 Kelvin Cross Sections
86-Rn-207
(He-3,2n)
(He-3,3n)
(He-3,n') α
(He-3,2n) α
(He-3,3n) α
(He-3,n') p
(He-3,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
86-Rn-207

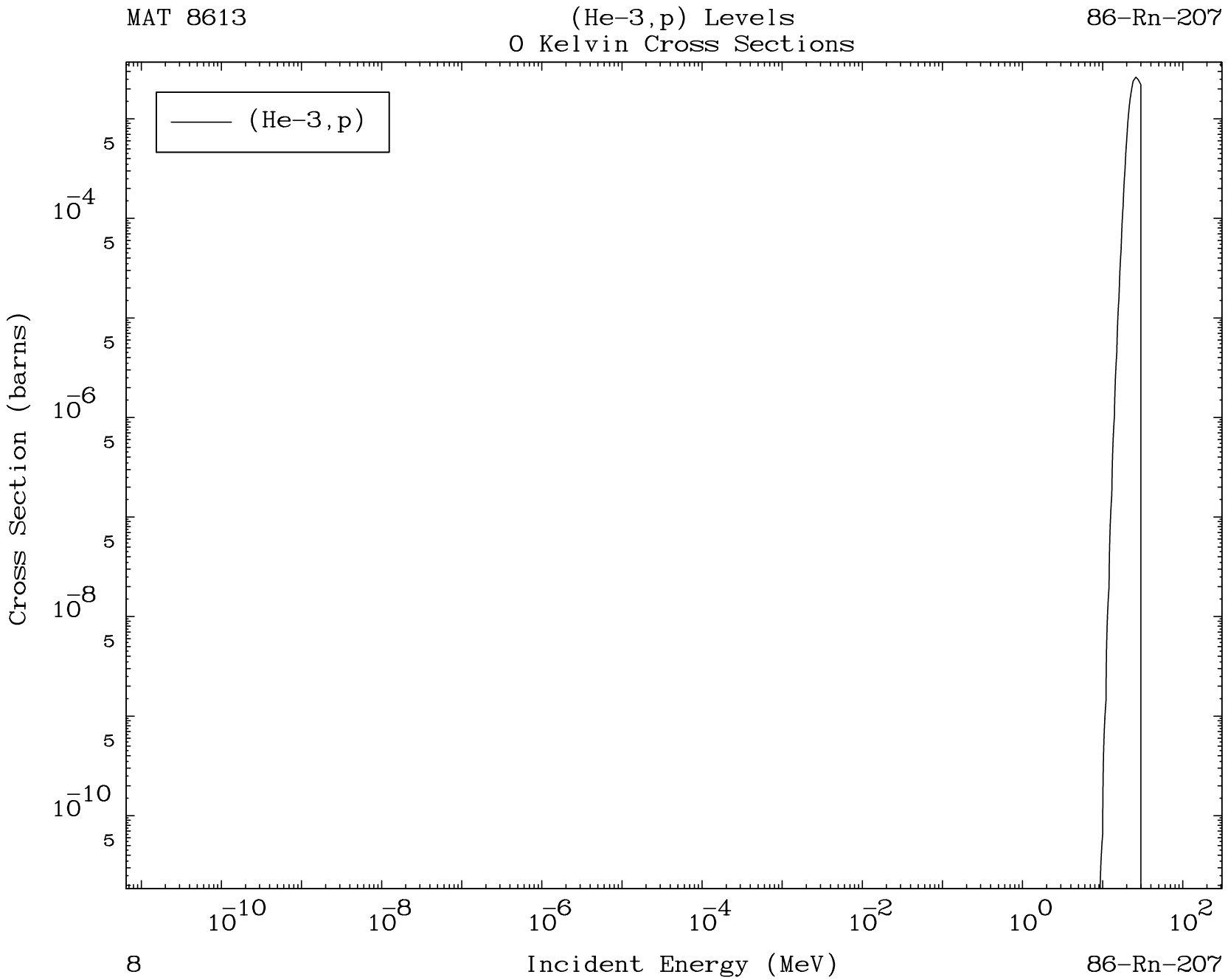

MAT 8613
He-3 Neutron Production
0 Kelvin Cross Sections
86-Rn-207
(He-3,2n) 2α
(He-3,n') d
(He-3,n') t
(He-3,n') He-3
(He-3,2n) p
(He-3,3n) p
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
3
Incident Energy (MeV)
86-Rn-207

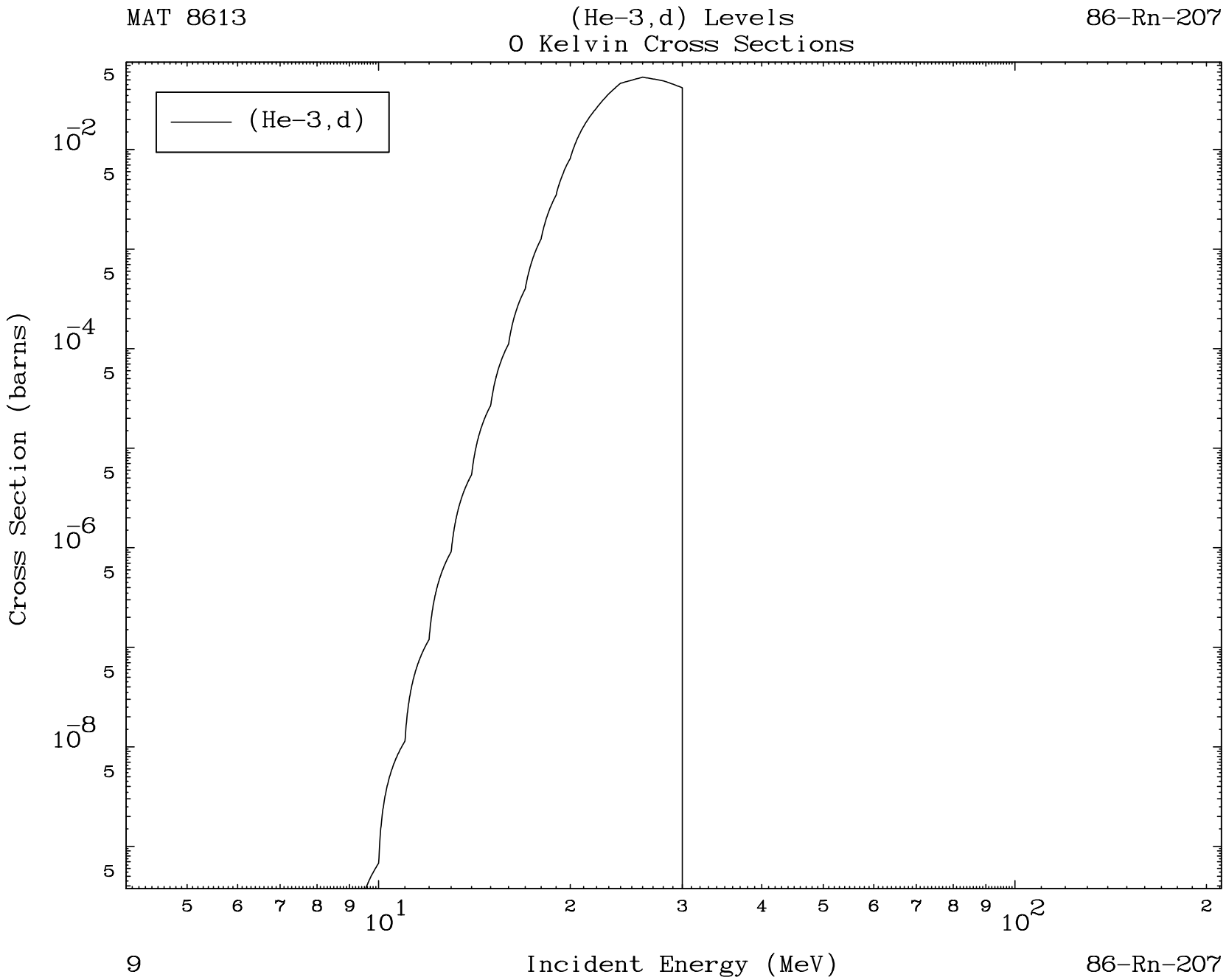

MAT 8613
He-3 Charged Particle
0 Kelvin Cross Sections
86-Rn-207
(He-3,n') α
(He-3,2n) α
(He-3,3n) α
(He-3,n') p
(He-3,n') 2α
(He-3,2n) 2α
(He-3,n') d
(He-3,n') t
Cross Section (barns)
Incident Energy (MeV)
4
86-Rn-207

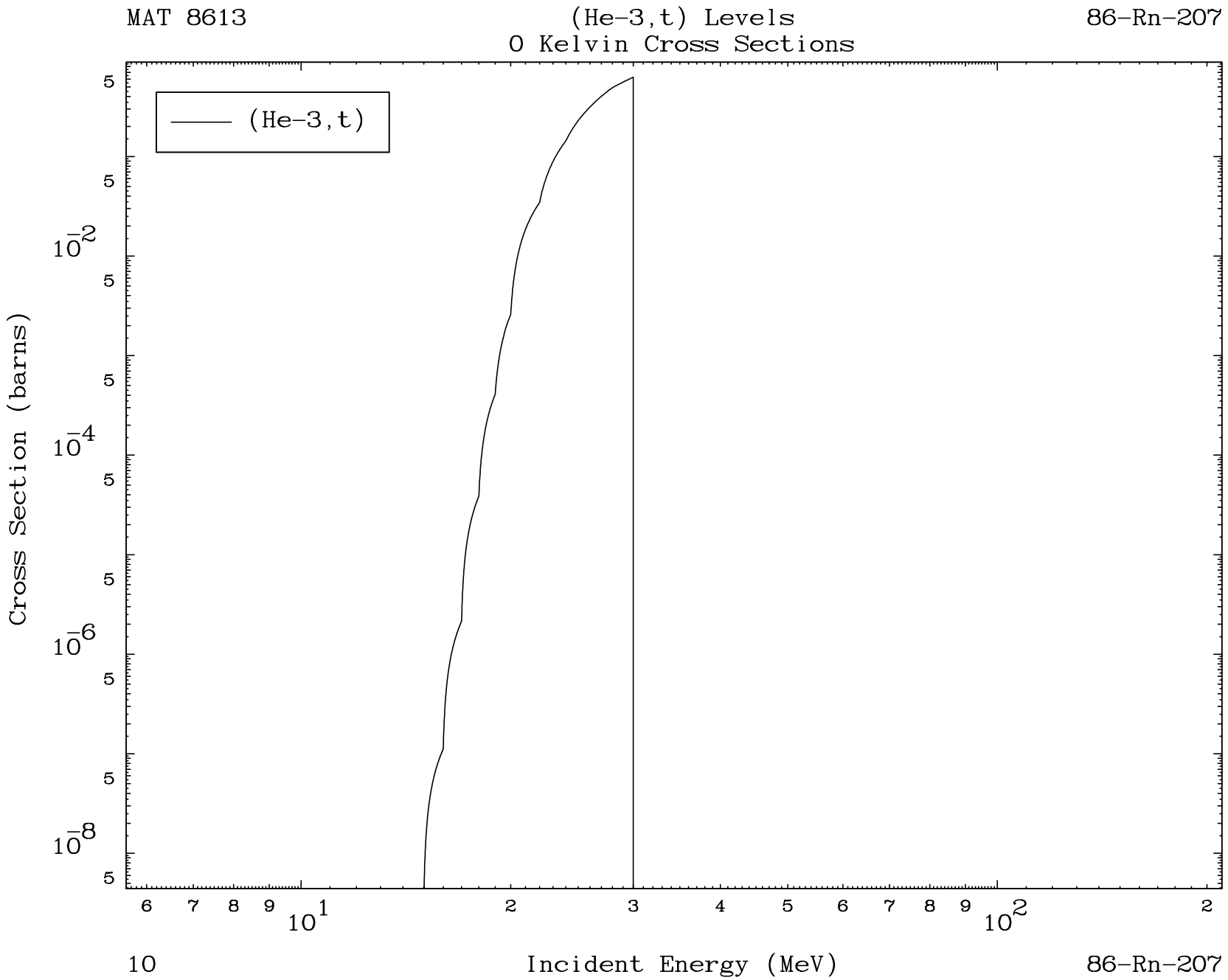

MAT 8613
He-3 Charged Particle
0 Kelvin Cross Sections
86-Rn-207
(He-3,n') He-3
(He-3,2n) p
(He-3,3n) p
(He-3,p)
(He-3,d)
(He-3,t)
(He-3,He-3)
(He-3,α)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-207

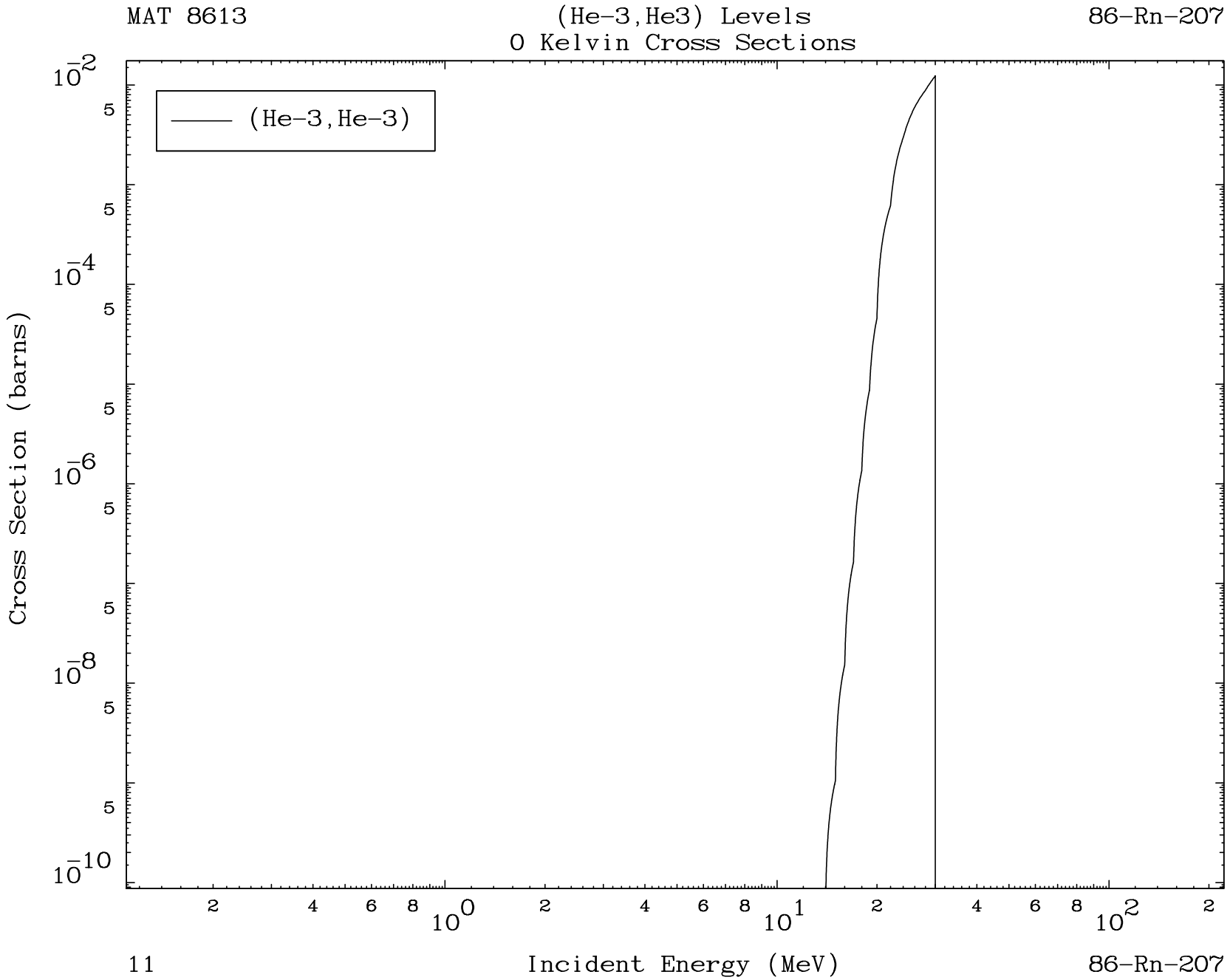

MAT 8613
He-3 Charged Particle
0 Kelvin Cross Sections
86-Rn-207
(He-3,2α)
(He-3,2p)
(He-3,p) α
(He-3,t) 2α
(He-3,d) 2α
(He-3,p) d
(He-3,p) t
Cross Section (barns)
Incident Energy (MeV)
86-Rn-207
6

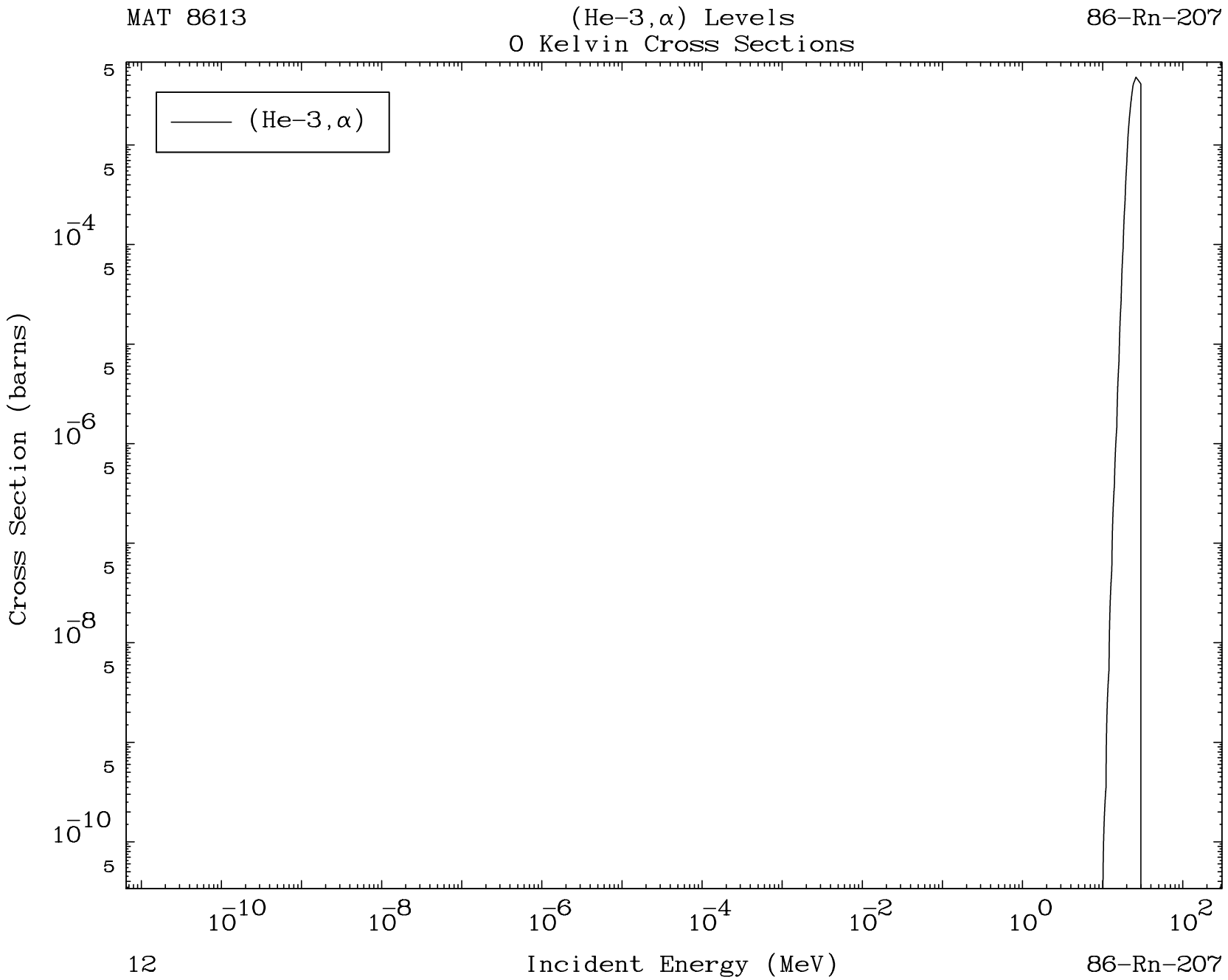

MAT 8613
(He-3,n') Level
86-Rn-207
0 Kelvin Cross Sections
He-3 Inelastic
Cross Section (barns)
10-4
10-6
10-8
10-10
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
7
86-Rn-207

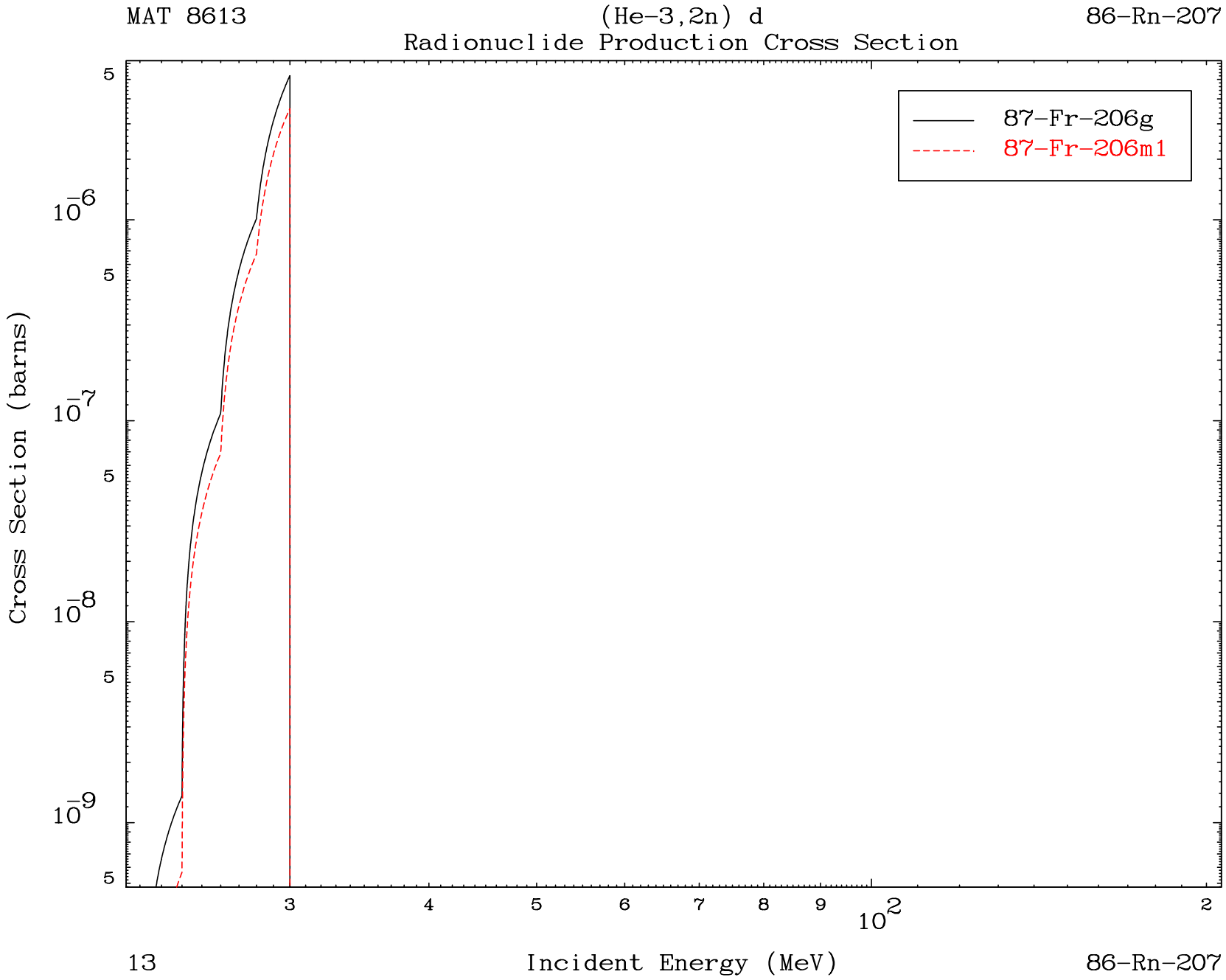

MAT 8613
(He-3,p) Levels
86-Rn-207
0 Kelvin Cross Sections
(He-3,p)
Cross Section (barns)
Incident Energy (MeV)
8
86-Rn-207

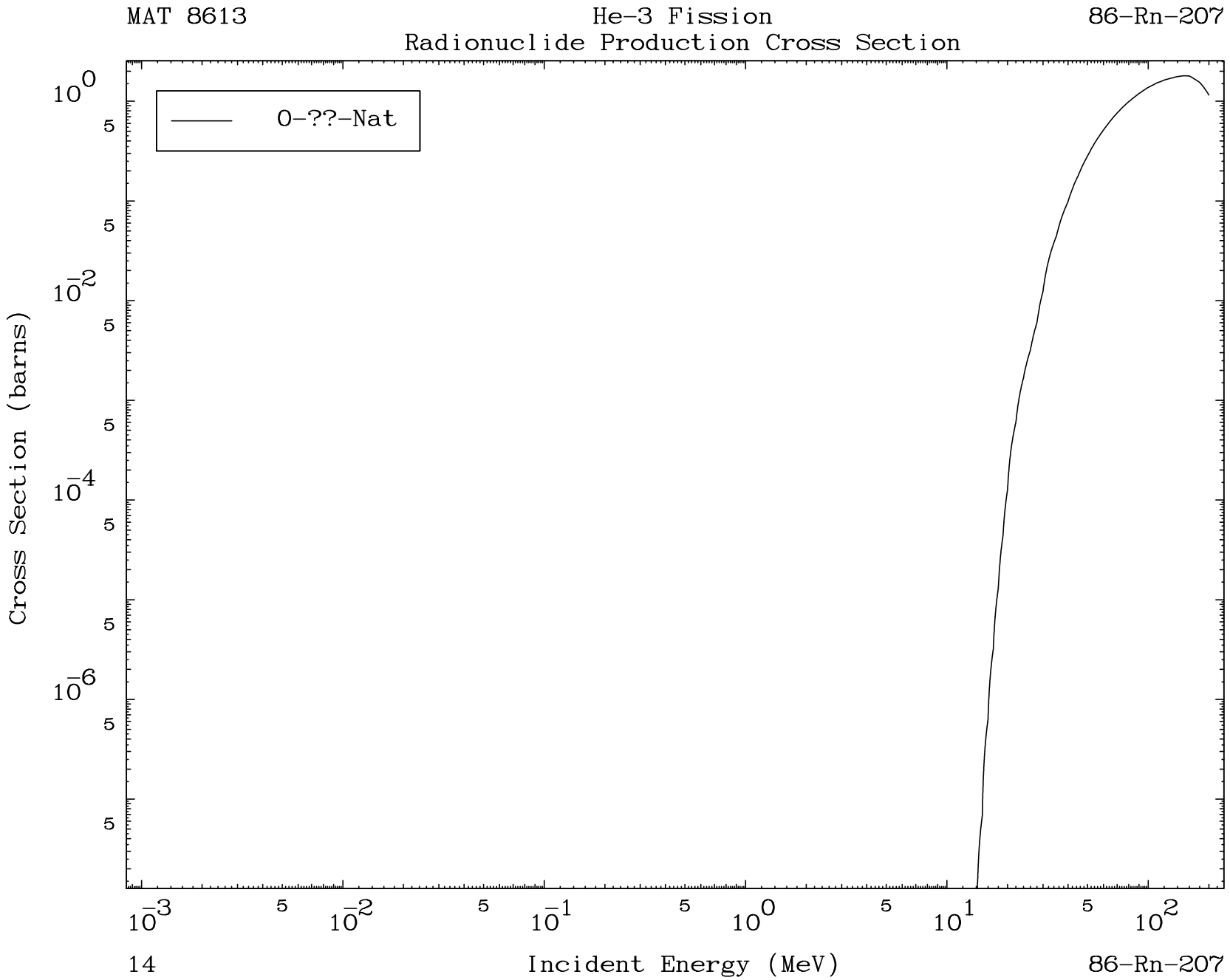

MAT 8613
(He-3,d) Levels
86-Rn-207
0 Kelvin Cross Sections
(He-3,d)
Cross Section (barns)
Incident Energy (MeV)
9
86-Rn-207

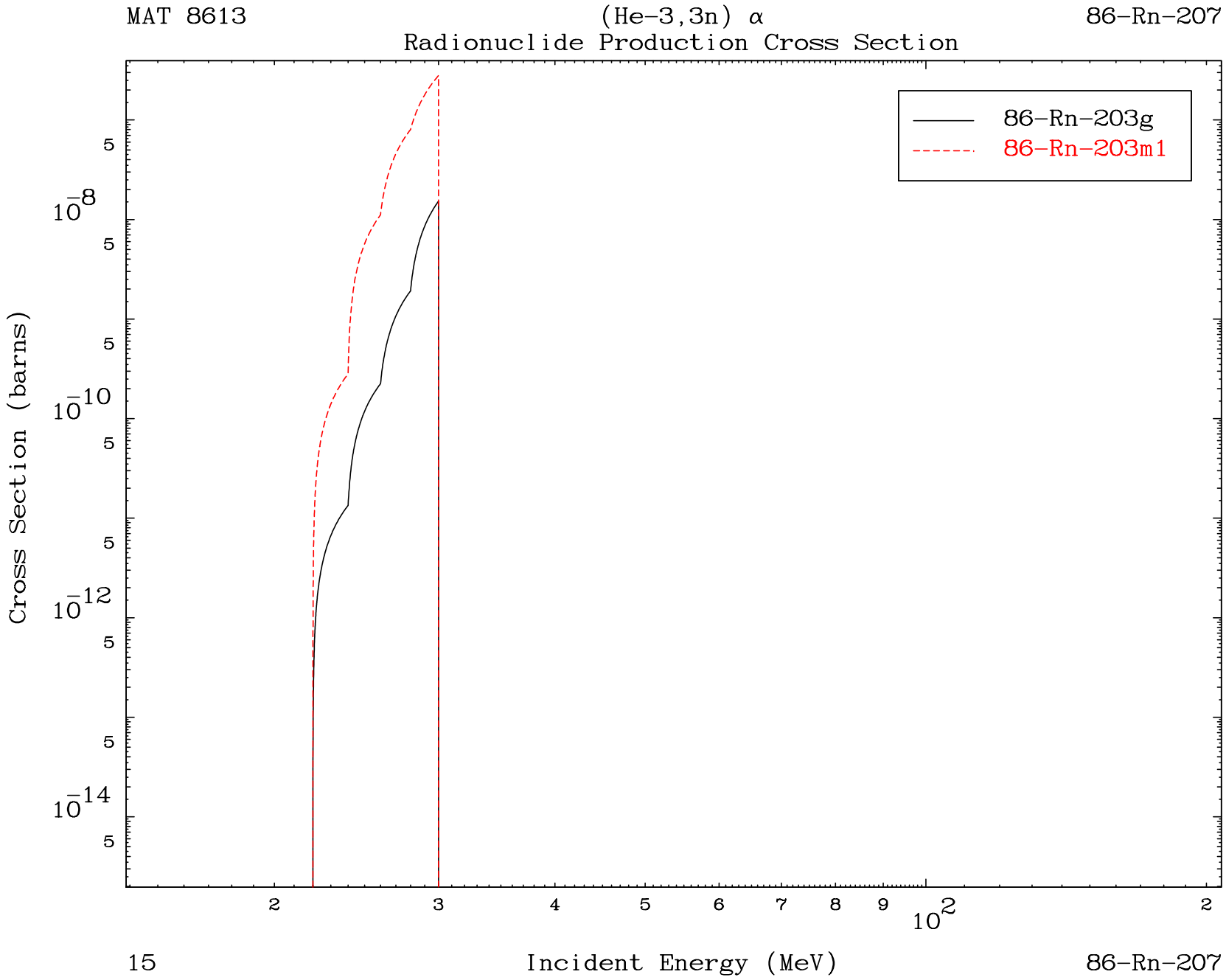

MAT 8613
(He-3,t) Levels
86-Rn-207
0 Kelvin Cross Sections
(He-3,t)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-207

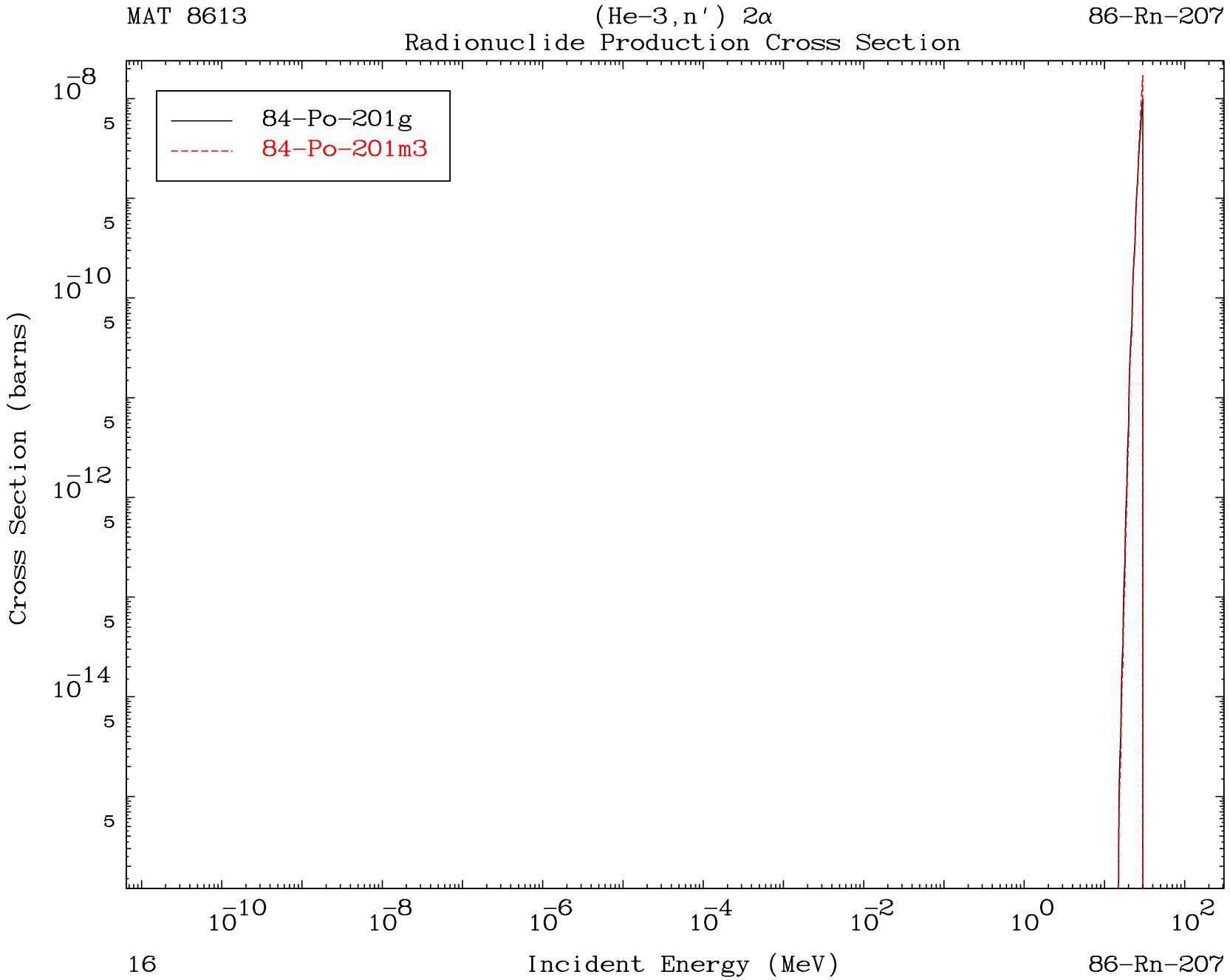

MAT 8613
(He-3,He3) Levels
86-Rn-207
0 Kelvin Cross Sections
(He-3,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
86-Rn-207

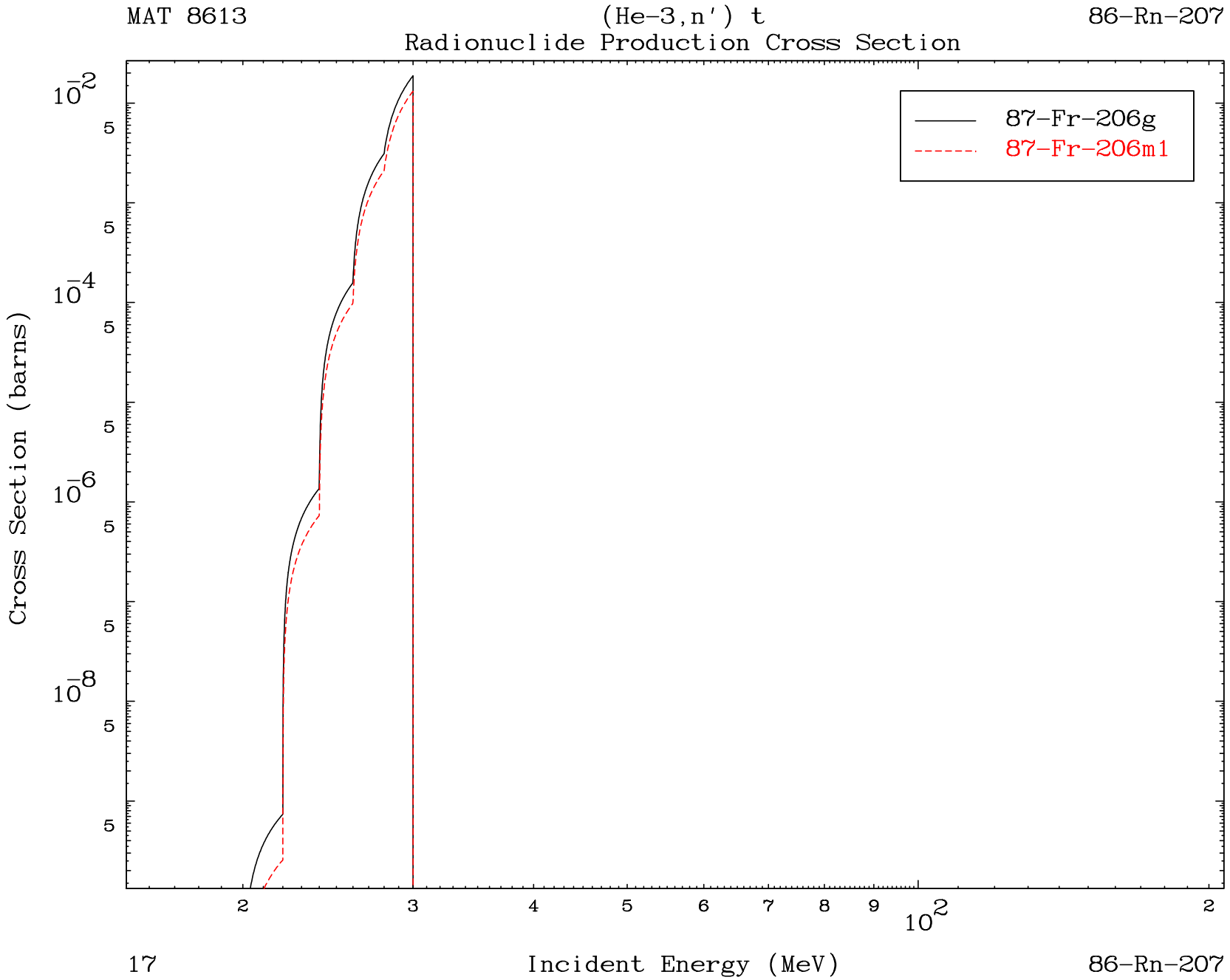

MAT 8613
(He-3,α) Levels
86-Rn-207
0 Kelvin Cross Sections
(He-3,α)
Cross Section (barns)
Incident Energy (MeV)
12
86-Rn-207

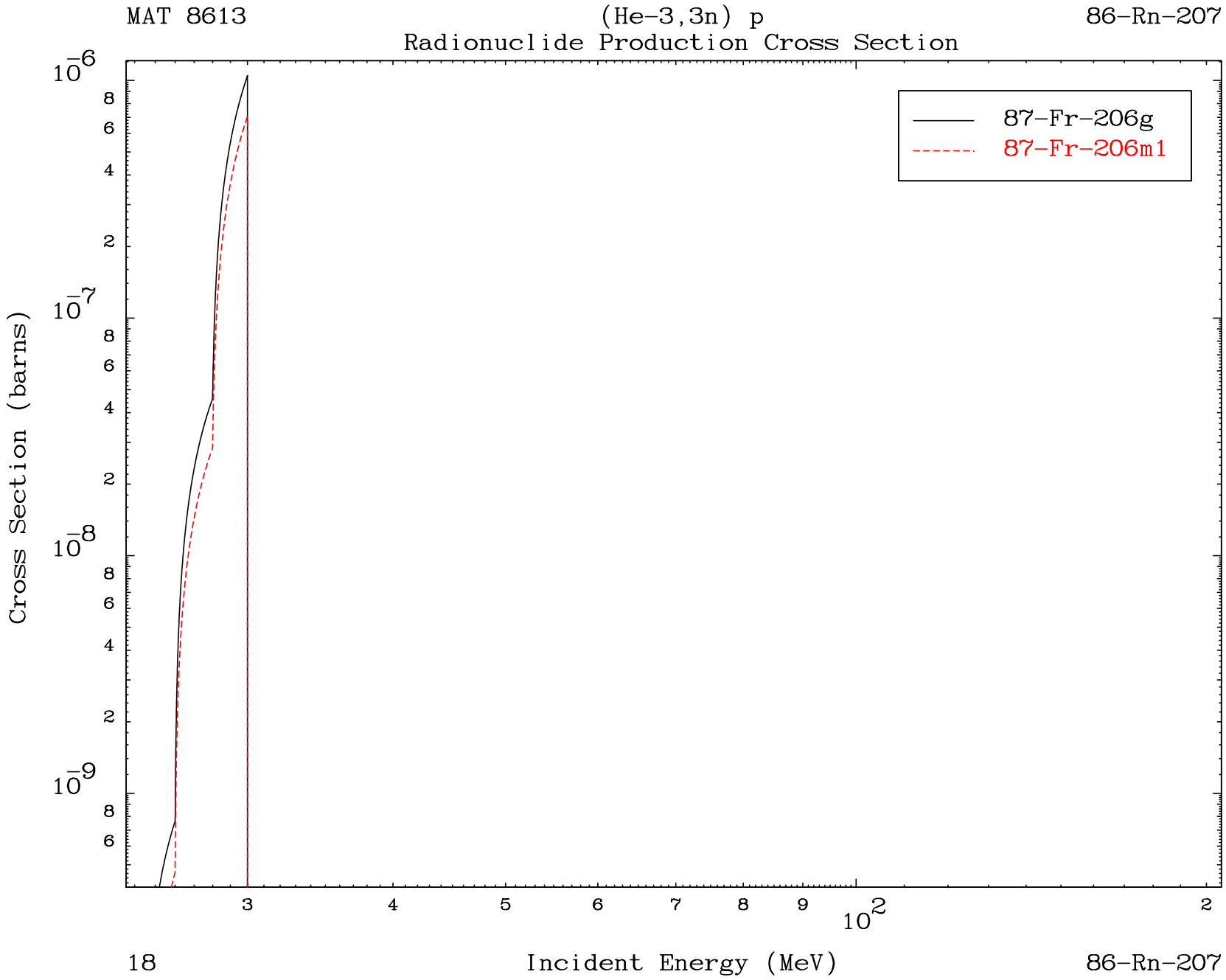

MAT 8613
(He-3,2n) d
86-Rn-207
Radionuclide Production Cross Section
87-Fr-206g
87-Fr-206m1
Cross Section (barns)
10-6
10-7
10-8
10-9
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
86-Rn-207

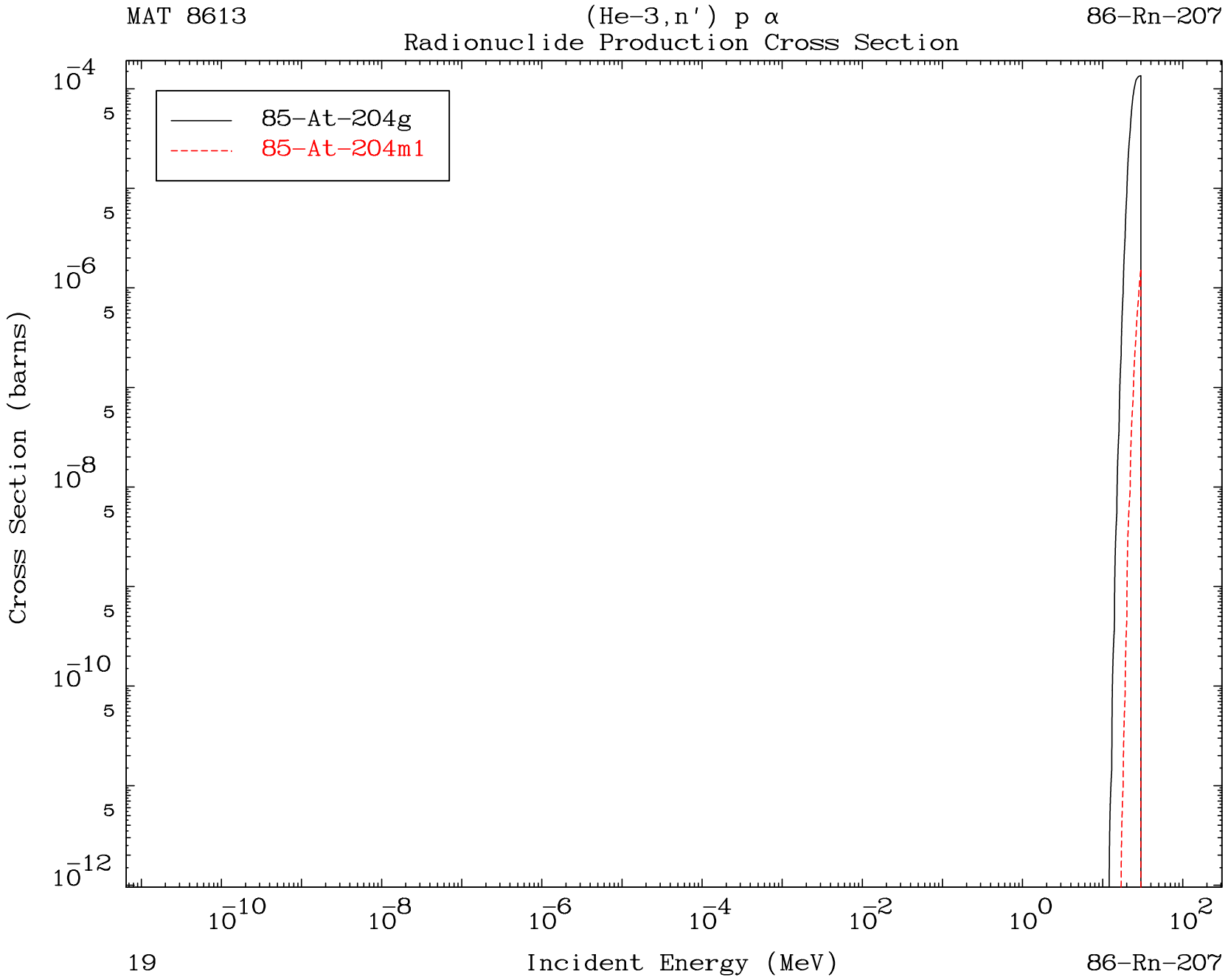

MAT 8613
He-3 Fission
86-Rn-207
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
14
86-Rn-207

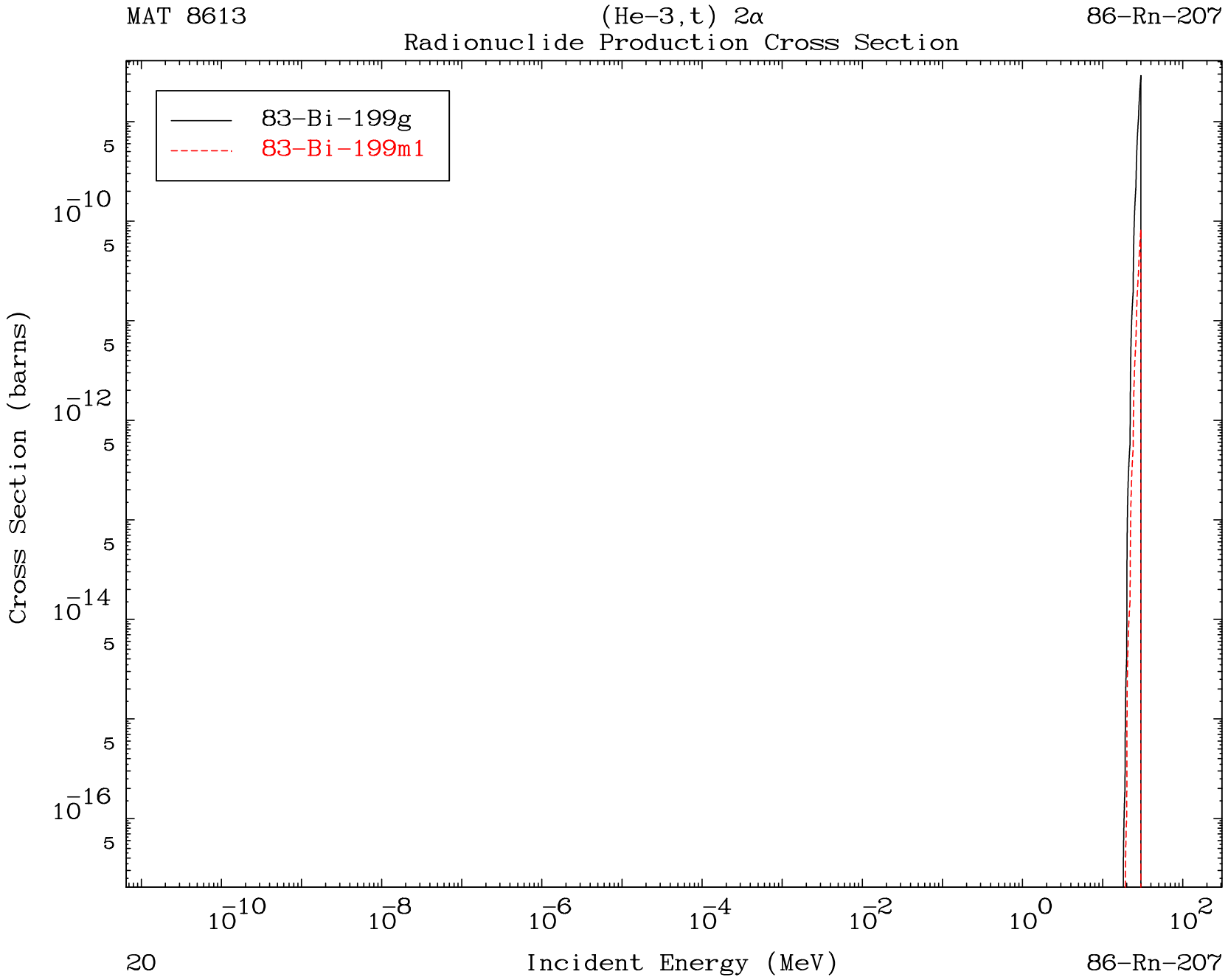

MAT 8613
(He-3,3n) α
86-Rn-207
Radionuclide Production Cross Section
86-Rn-203g
86-Rn-203m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
86-Rn-207

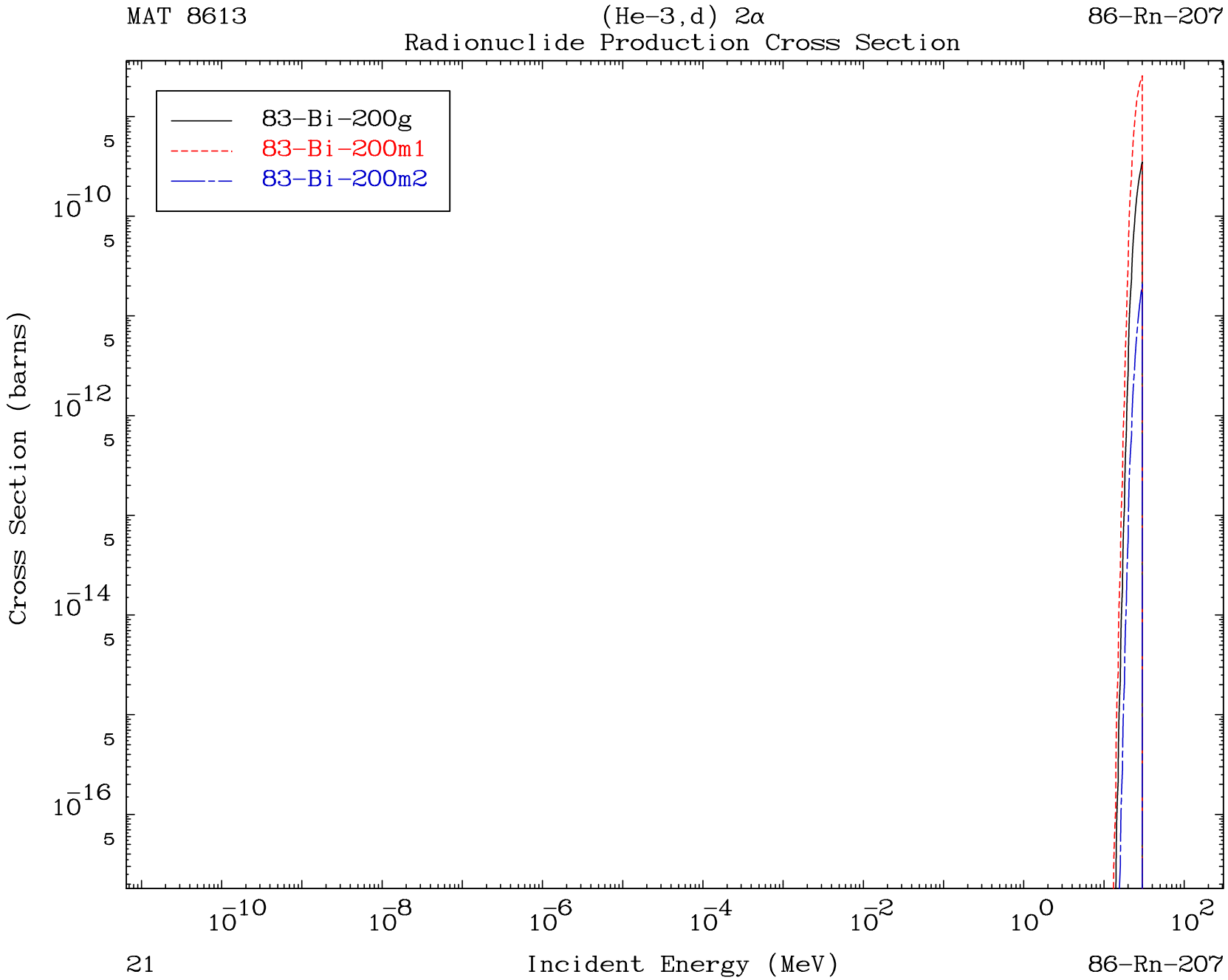

MAT 8613
(He-3,n') 2α
86-Rn-207
Radionuclide Production Cross Section
84-Po-201g
84-Po-201m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
16
86-Rn-207

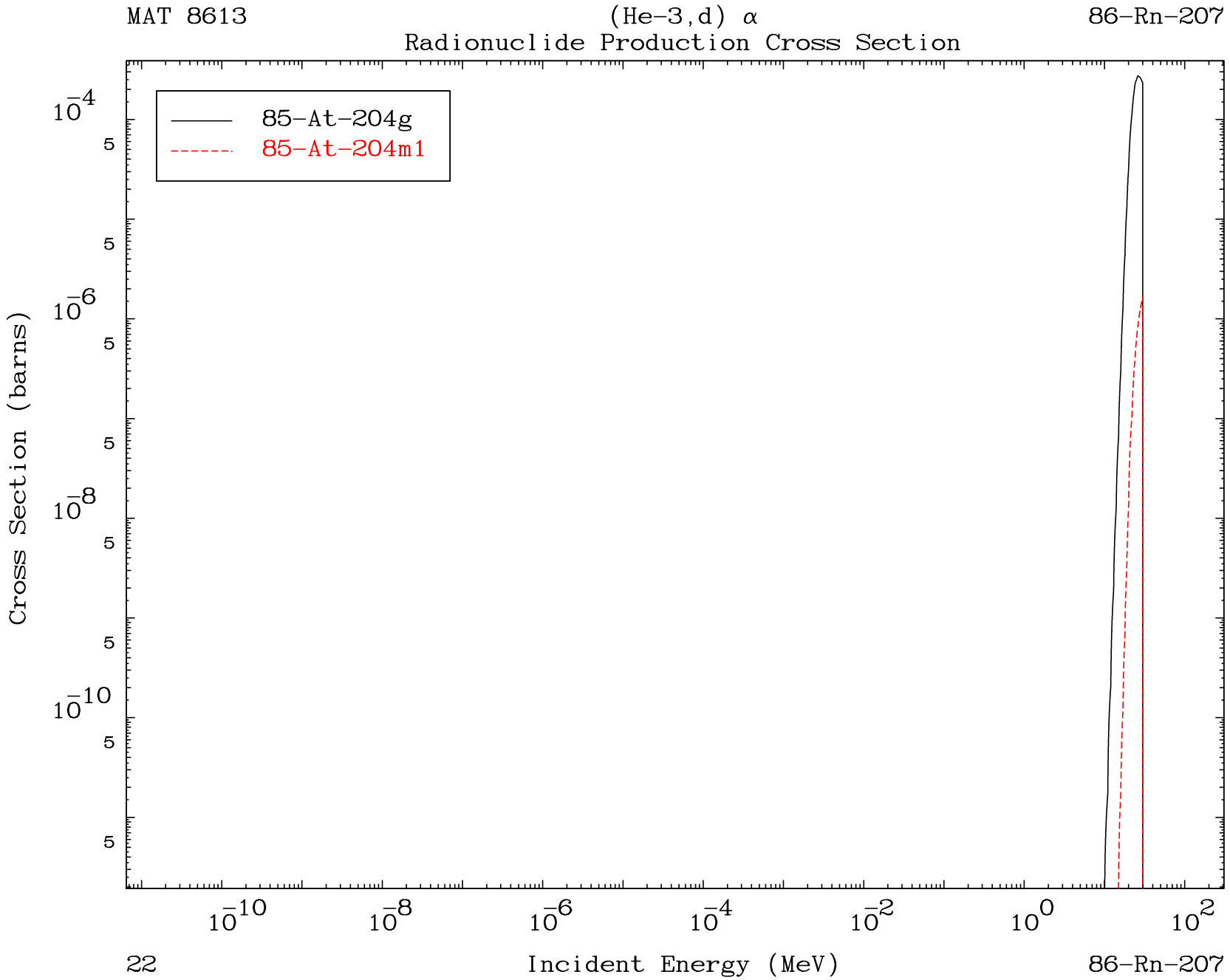

MAT 8613
(He-3,n') t
86-Rn-207
Radionuclide Production Cross Section
87-Fr-206g
87-Fr-206m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
86-Rn-207


MAT 8613
(He-3,3n) p
86-Rn-207
Radionuclide Production Cross Section
87-Fr-206g
87-Fr-206m1
Cross Section (barns)
Incident Energy (MeV)
18
86-Rn-207


MAT 8613
(He-3,n') p α
86-Rn-207
Radionuclide Production Cross Section
85-At-204g
85-At-204m1
Cross Section (barns)
Incident Energy (MeV)
19
86-Rn-207


MAT 8613
(He-3,t) 2α
86-Rn-207
Radionuclide Production Cross Section
83-Bi-199g
83-Bi-199m1
Cross Section (barns)
Incident Energy (MeV)
20
86-Rn-207


MAT 8613
(He-3,d) 2α
86-Rn-207
Radionuclide Production Cross Section
83-Bi-200g
83-Bi-200m1
83-Bi-200m2
Cross Section (barns)
Incident Energy (MeV)
21
86-Rn-207


MAT 8613
(He-3,d) α
86-Rn-207
Radionuclide Production Cross Section
85-At-204g
85-At-204m1
Cross Section (barns)
Incident Energy (MeV)
22
86-Rn-207