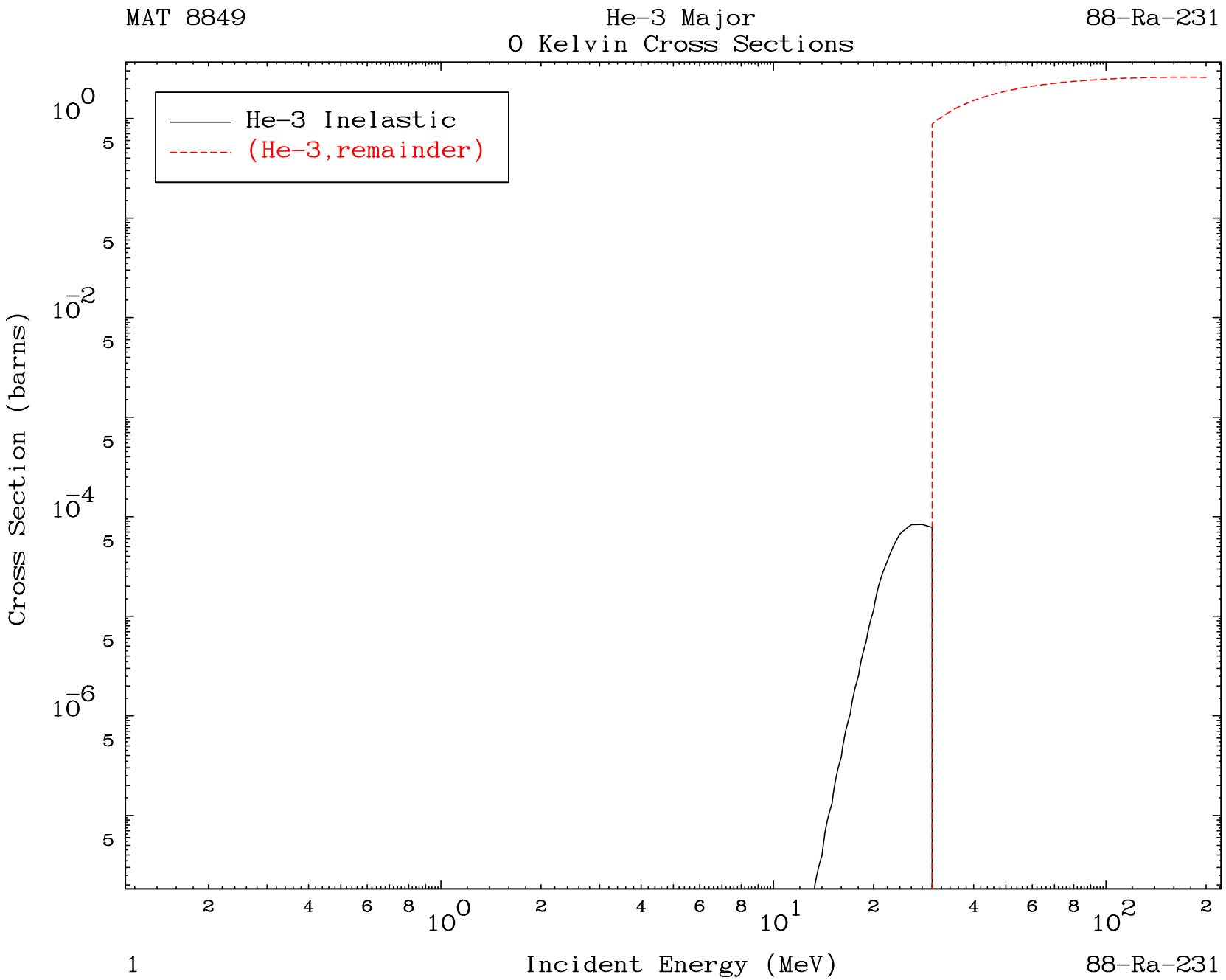
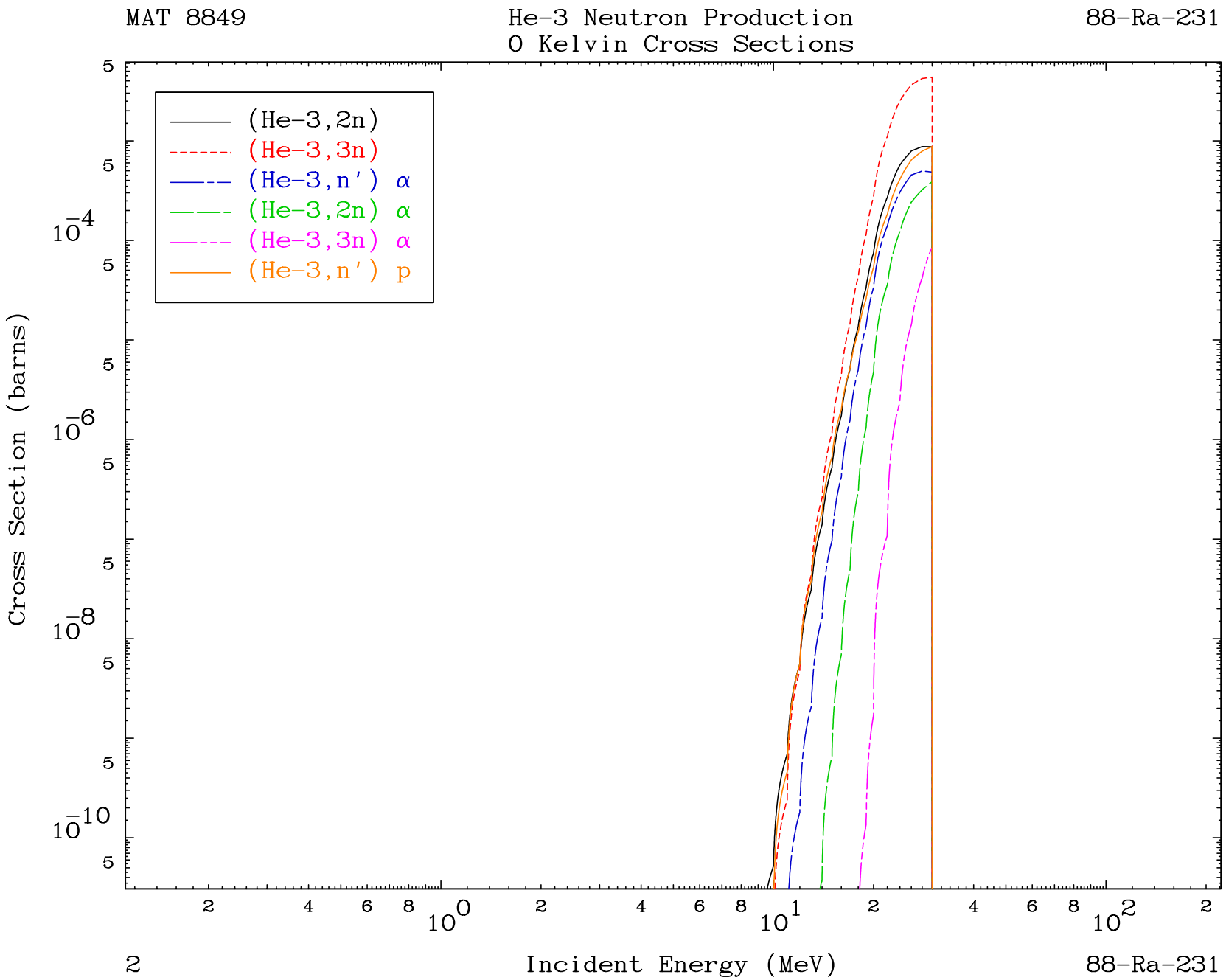
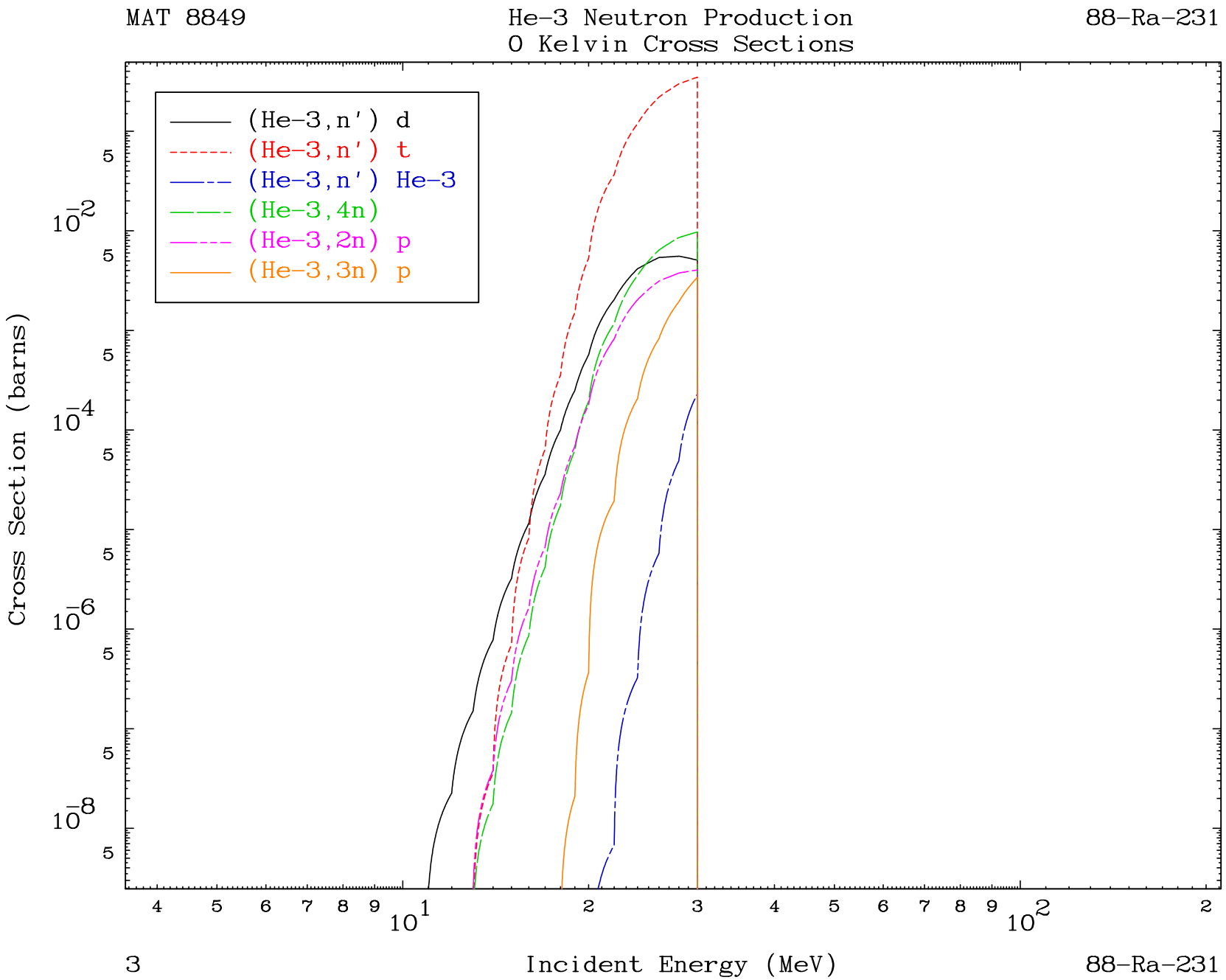
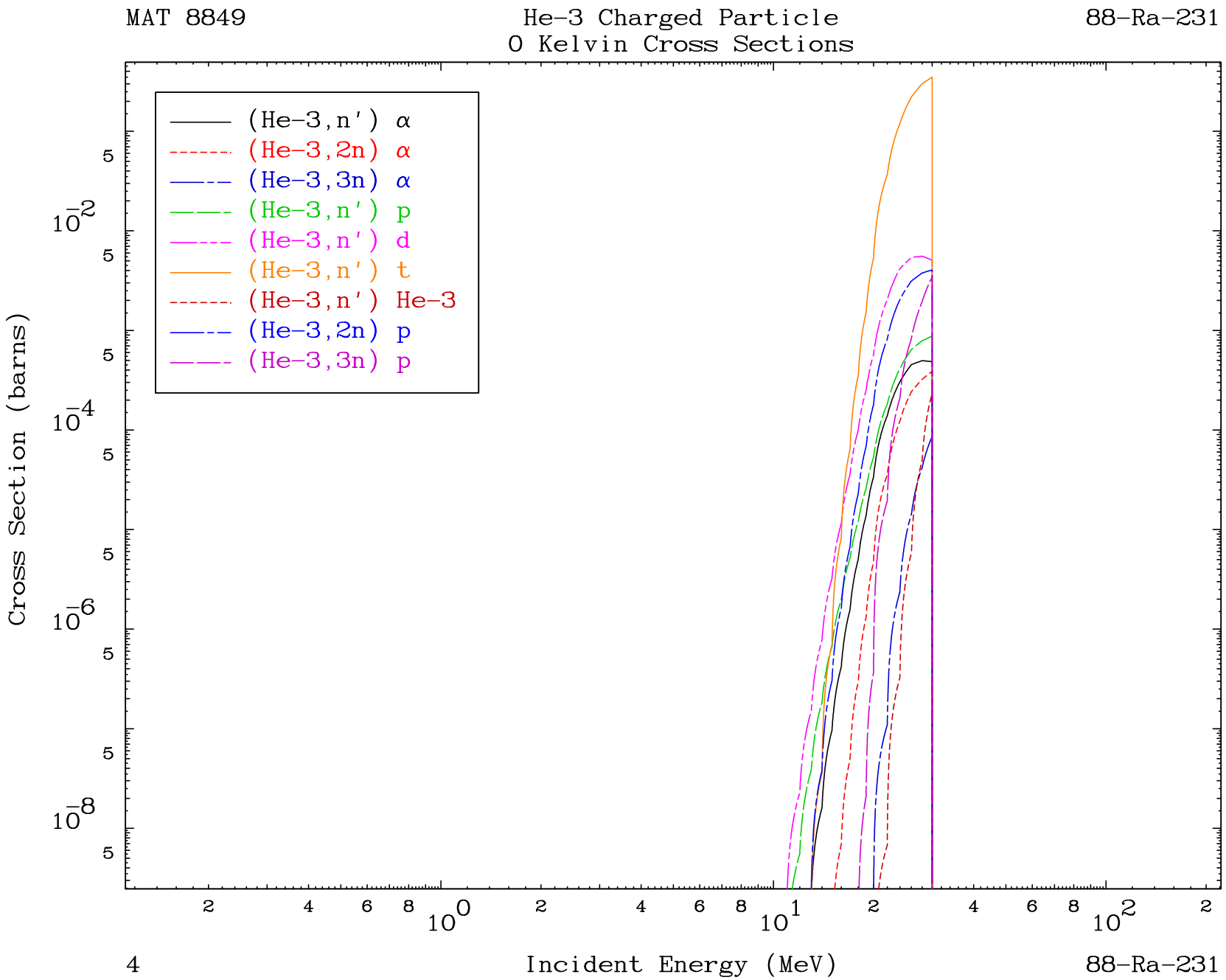
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

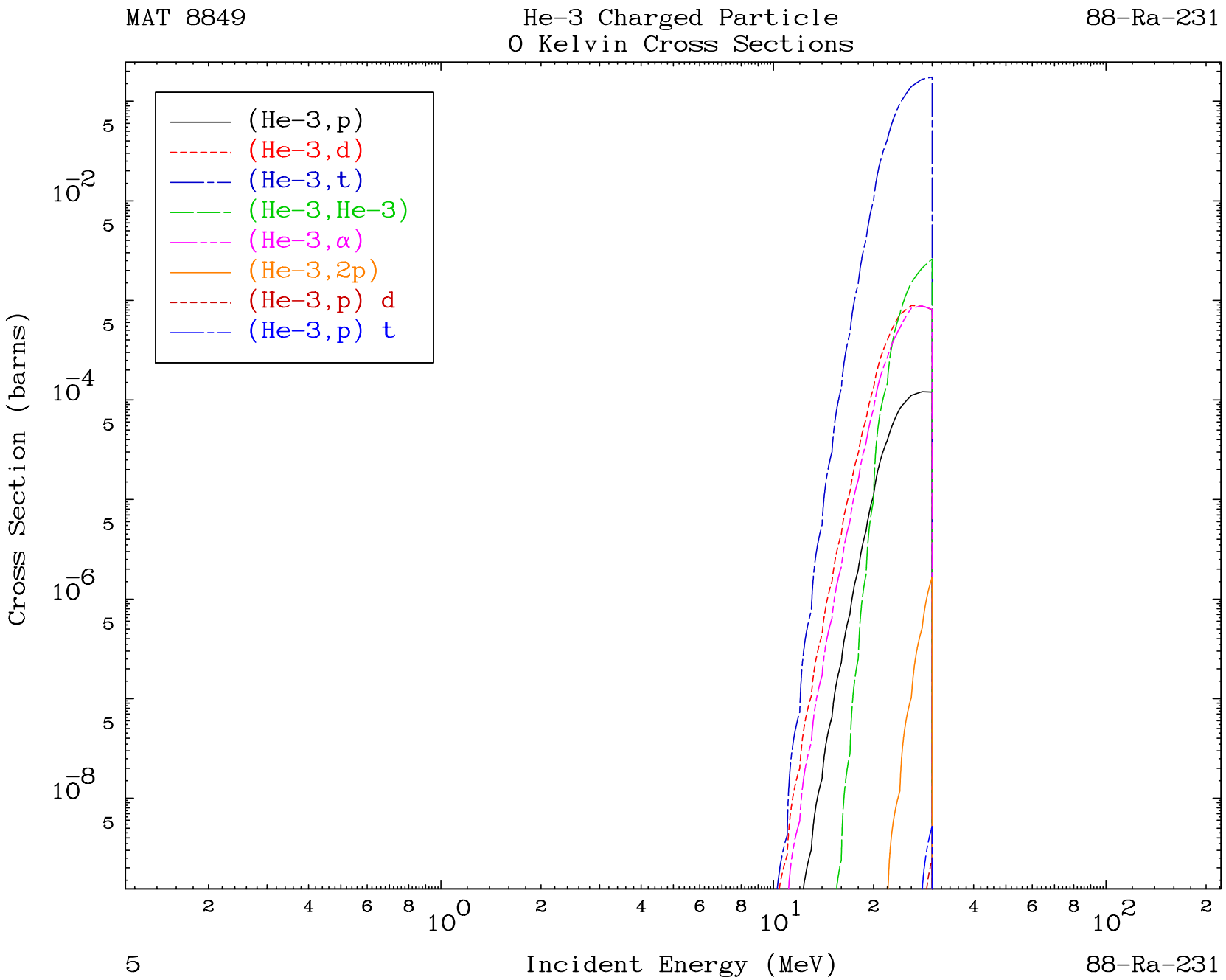
Press Mouse Button to Start

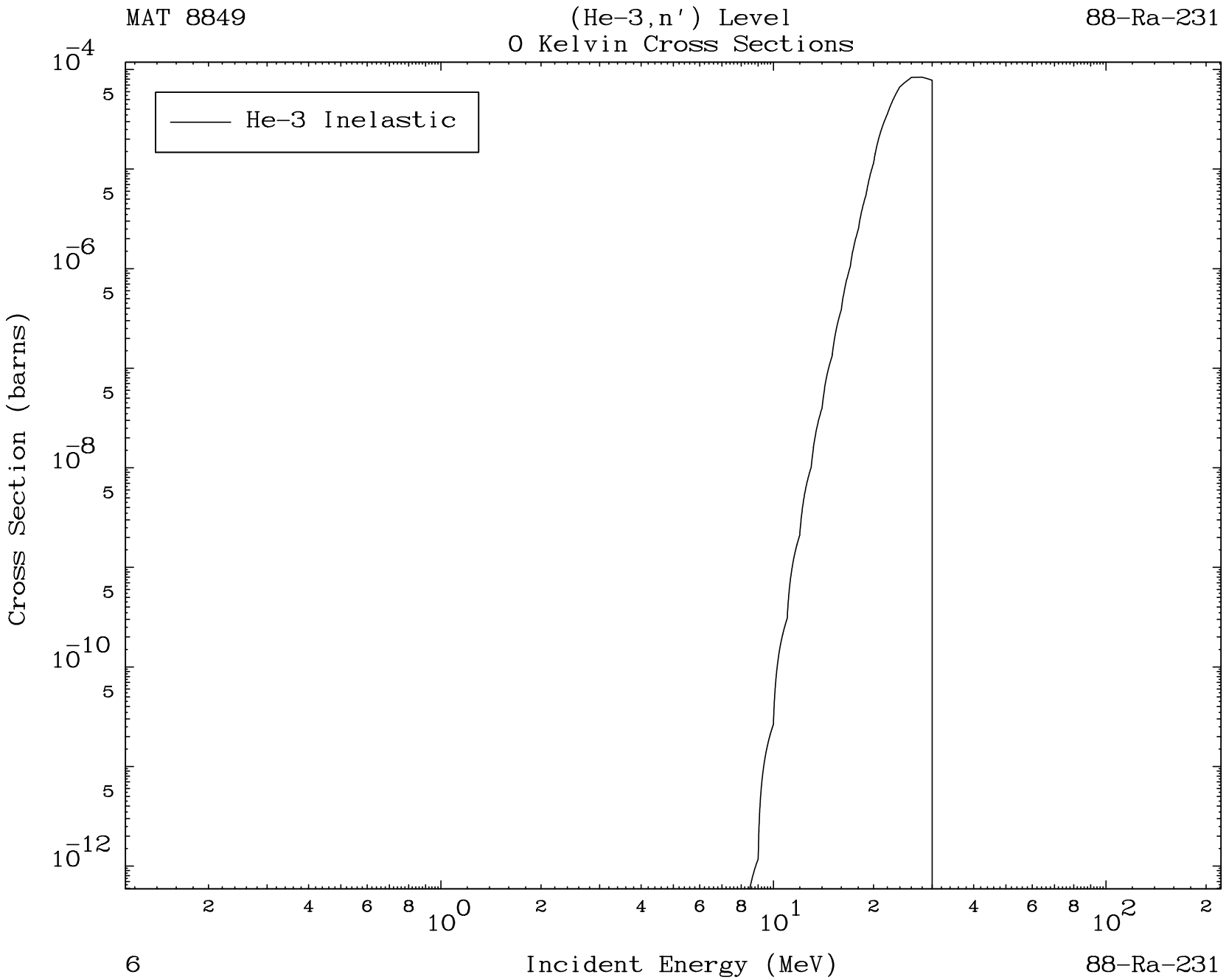

MAT 8849
He-3 Major
88-Ra-231
0 Kelvin Cross Sections
He-3 Inelastic
(He-3,remainder)
Cross Section (barns)
Incident Energy (MeV)
88-Ra-231
1

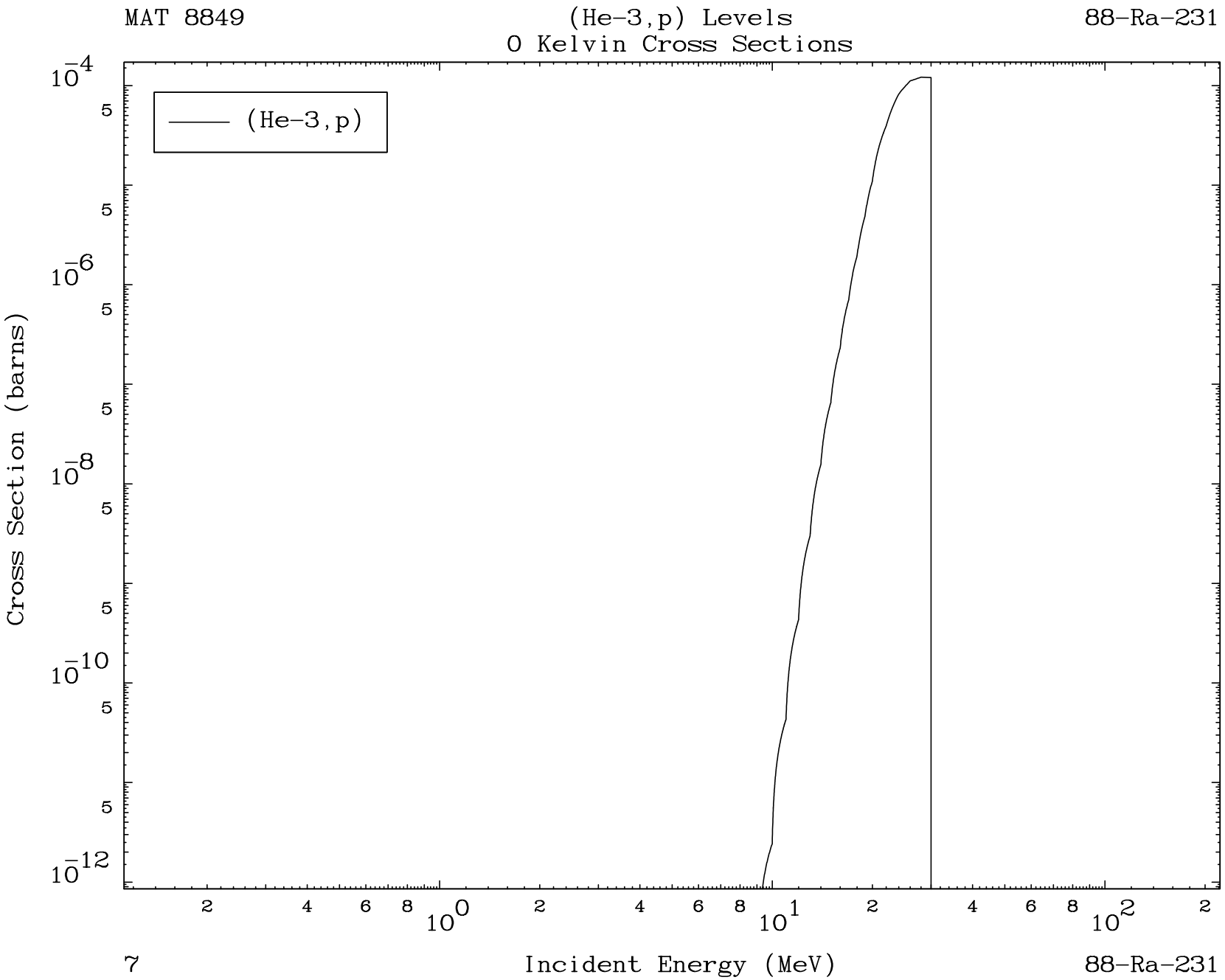

MAT 8849
He-3 Neutron Production
0 Kelvin Cross Sections
88-Ra-231
(He-3,2n)
(He-3,3n)
(He-3,n') α
(He-3,2n) α
(He-3,3n) α
(He-3,n') p
Cross Section (barns)
Incident Energy (MeV)
88-Ra-231

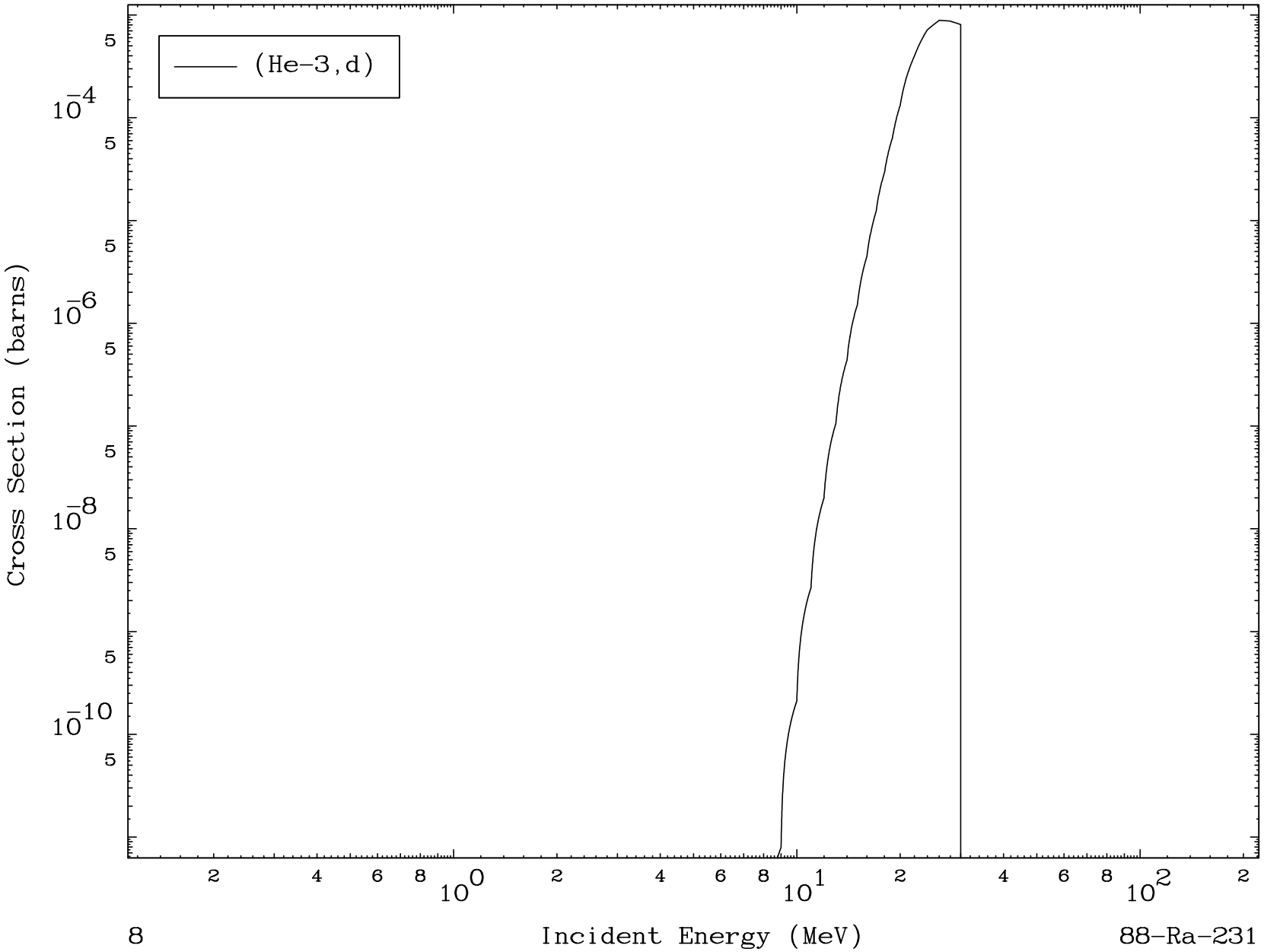

MAT 8849
He-3 Neutron Production
0 Kelvin Cross Sections
88-Ra-231
(He-3,n') d
(He-3,n') t
(He-3,n') He-3
(He-3,4n)
(He-3,2n) p
(He-3,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
88-Ra-231

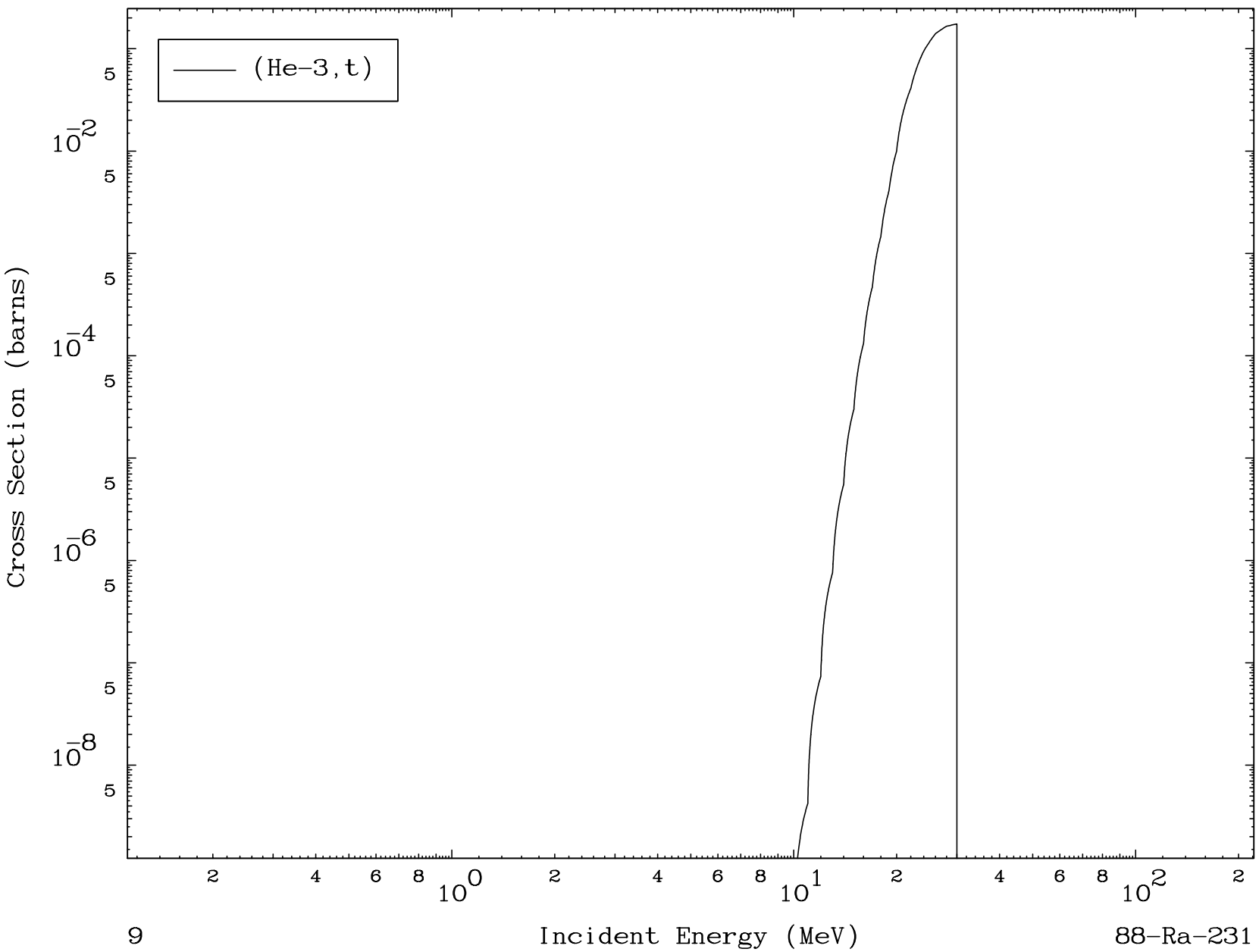

MAT 8849
He-3 Charged Particle
0 Kelvin Cross Sections
88-Ra-231
(He-3,n') α
(He-3,2n) α
(He-3,3n) α
(He-3,n') p
(He-3,n') d
(He-3,n') t
(He-3,n') He-3
(He-3,2n) p
(He-3,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
88-Ra-231

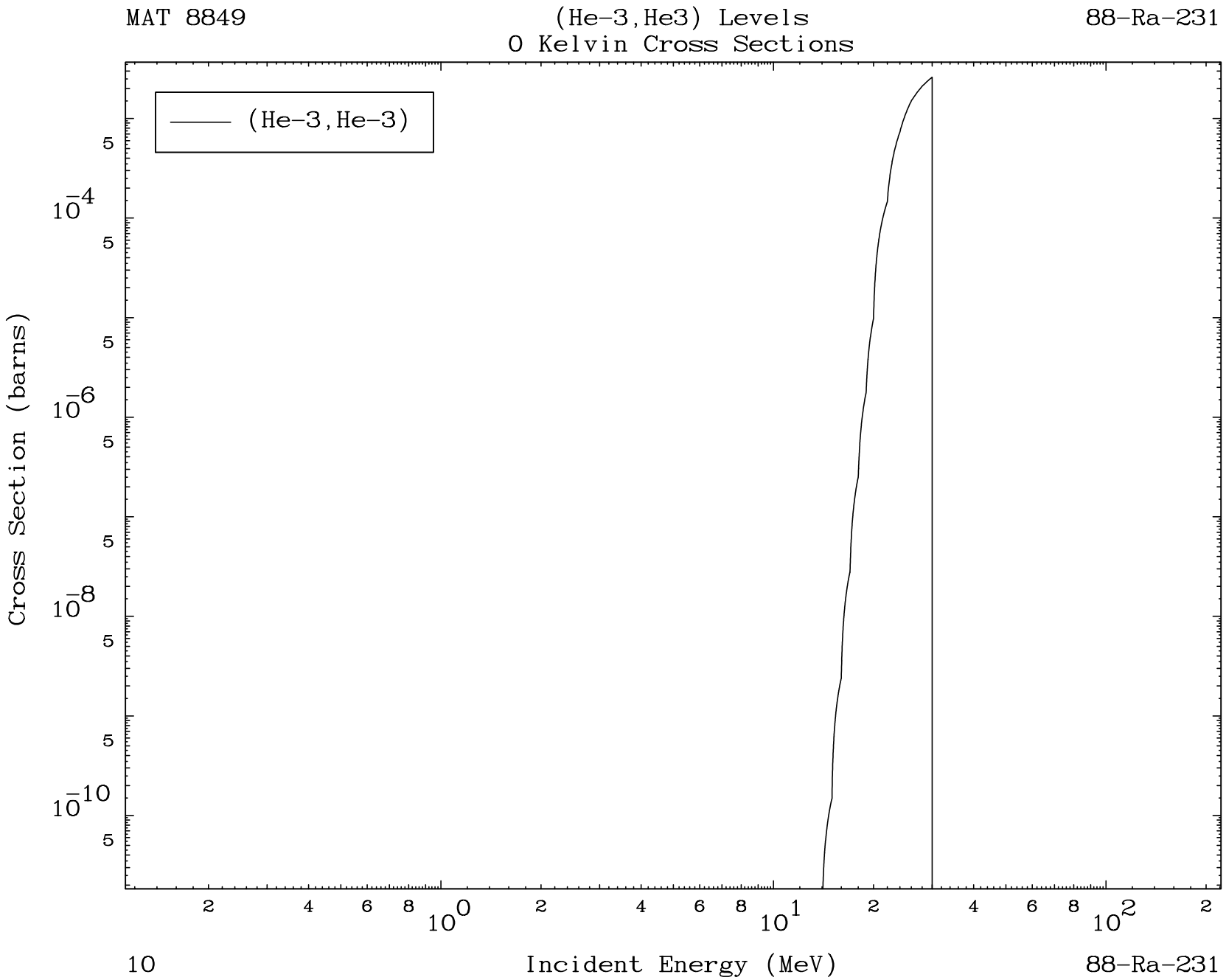

MAT 8849
He-3 Charged Particle
0 Kelvin Cross Sections
88-Ra-231
(He-3,p)
(He-3,d)
(He-3,t)
(He-3,He-3)
(He-3,α)
(He-3,2p)
(He-3,p) d
(He-3,p) t
Cross Section (barns)
Incident Energy (MeV)
88-Ra-231

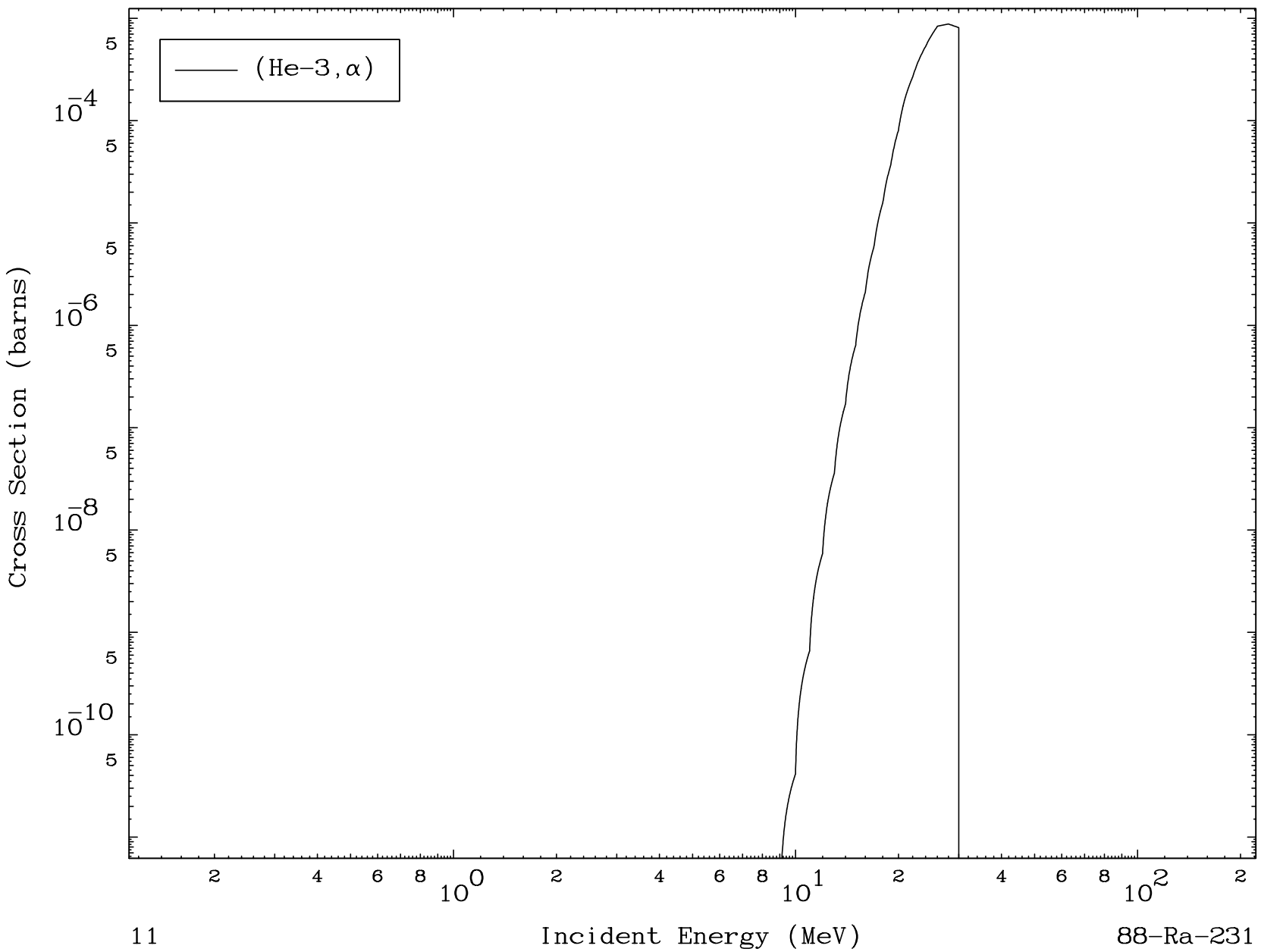

MAT 8849
(He-3,n') Level
0 Kelvin Cross Sections
88-Ra-231
He-3 Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
88-Ra-231

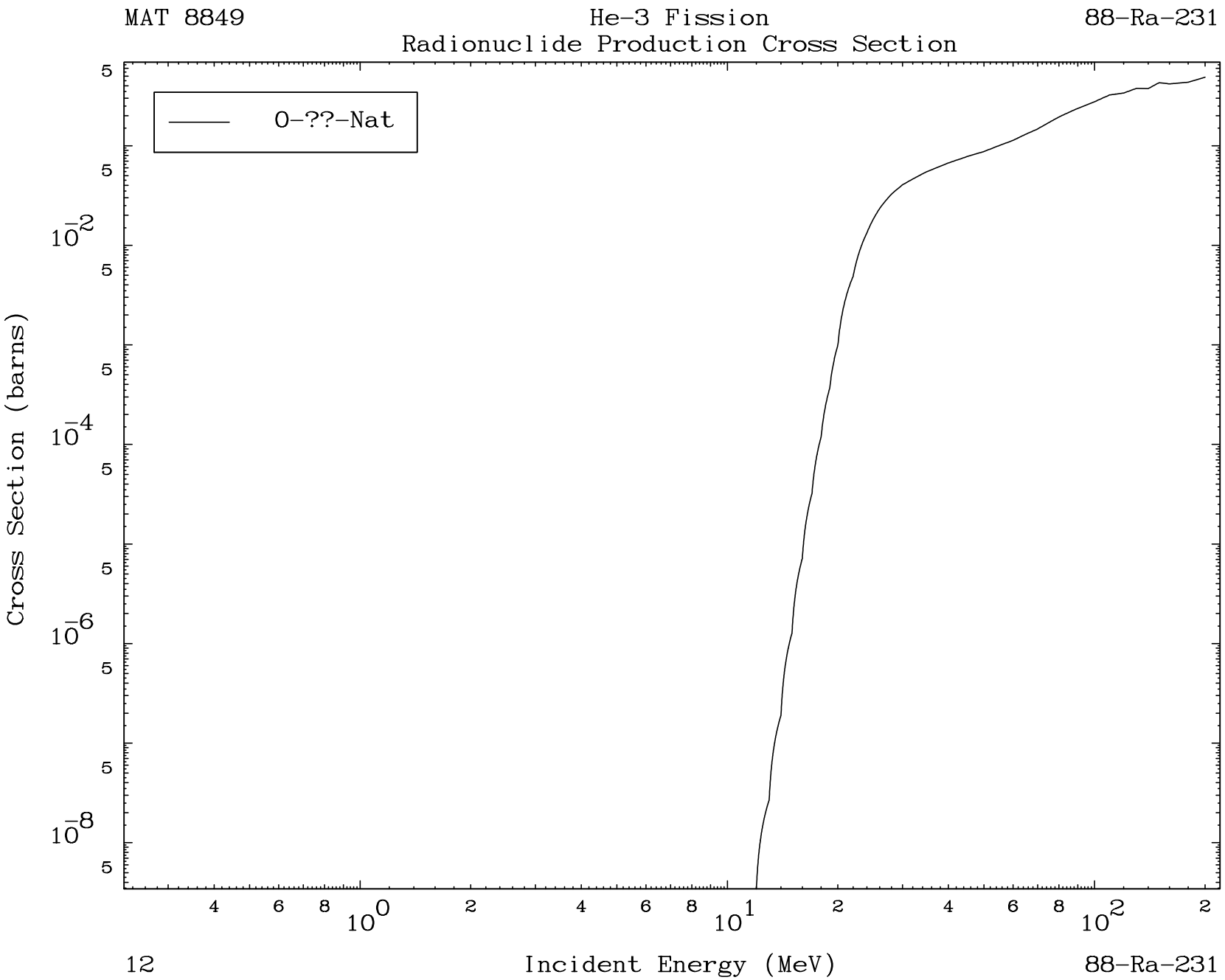

MAT 8849
(He-3,p) Levels
0 Kelvin Cross Sections
88-Ra-231
(He-3,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
7
88-Ra-231


0 Kelvin Cross Sections
(He-3,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)


0 Kelvin Cross Sections
(He-3,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)


MAT 8849
(He-3,He3) Levels
88-Ra-231
0 Kelvin Cross Sections
(He-3,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
10
Incident Energy (MeV)
88-Ra-231


0 Kelvin Cross Sections
(He-3,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 8849
He-3 Fission
88-Ra-231
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
88-Ra-231