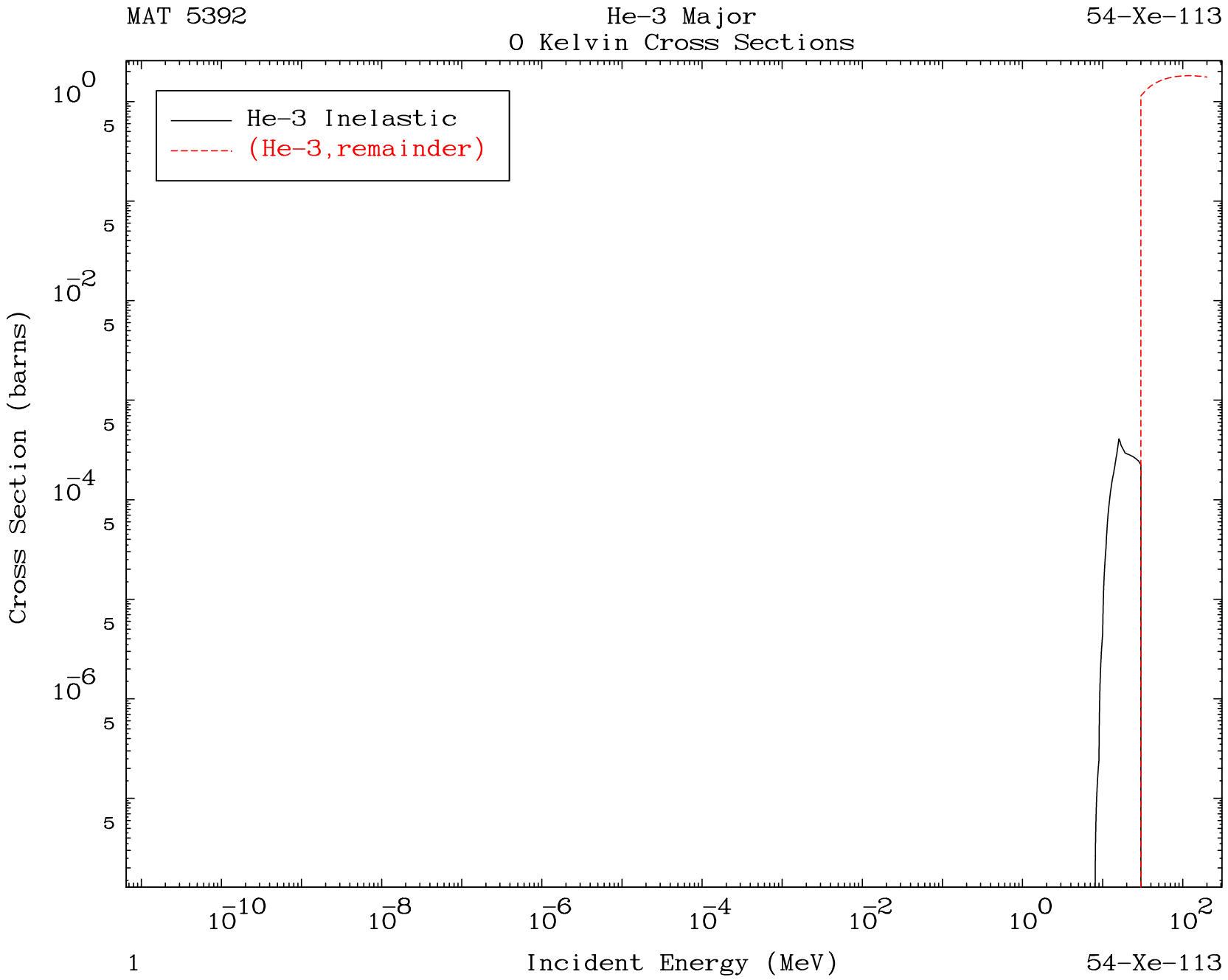
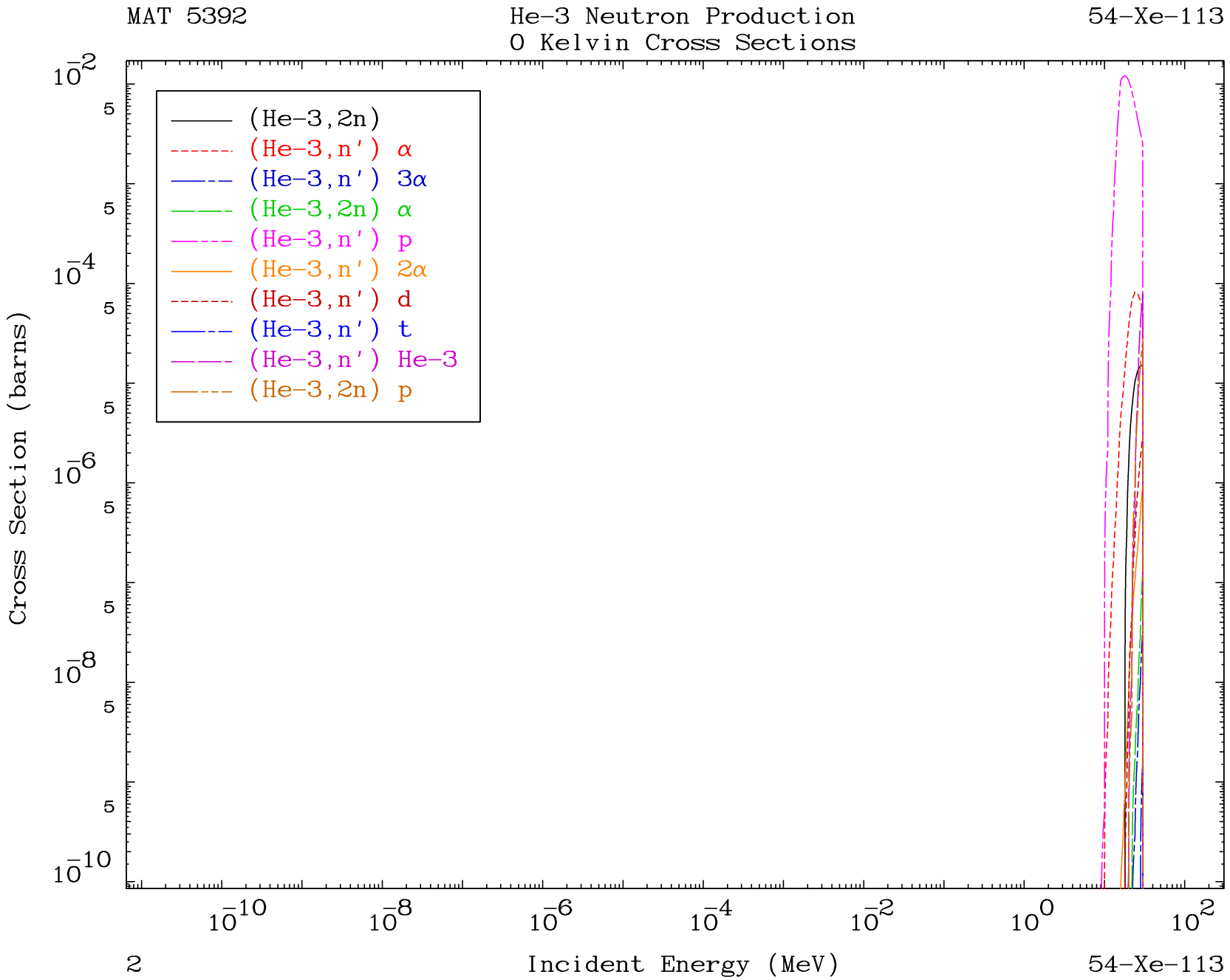
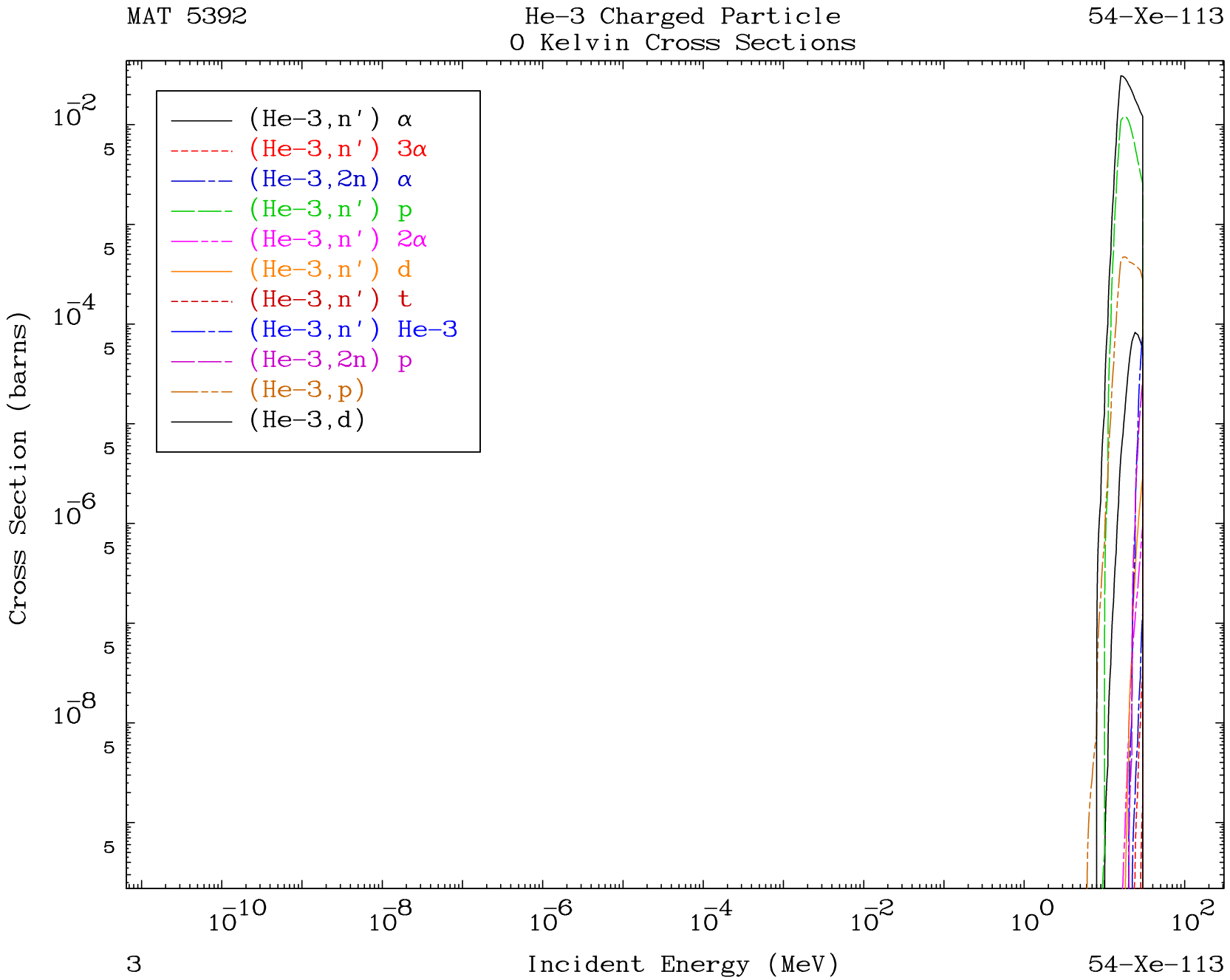
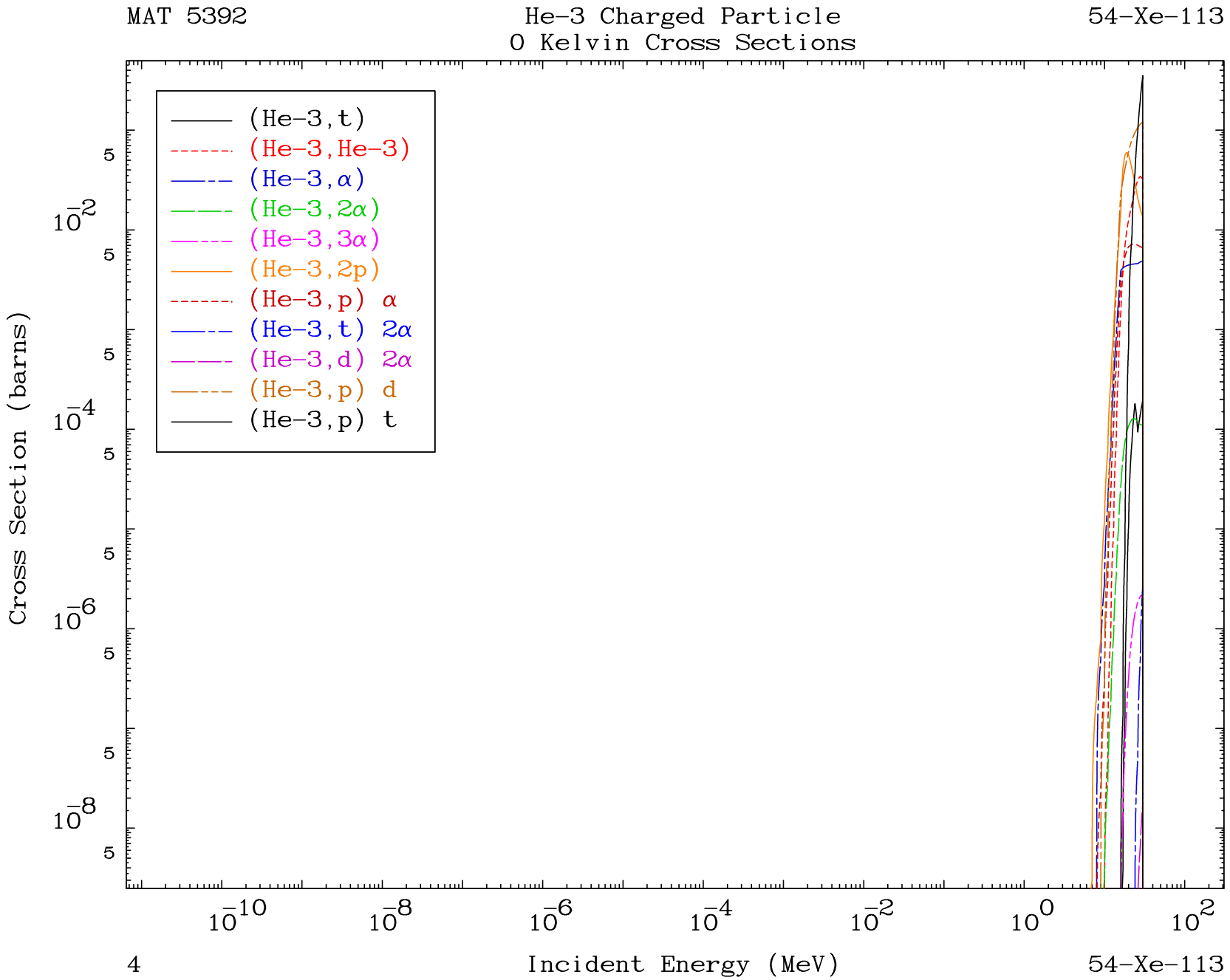
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

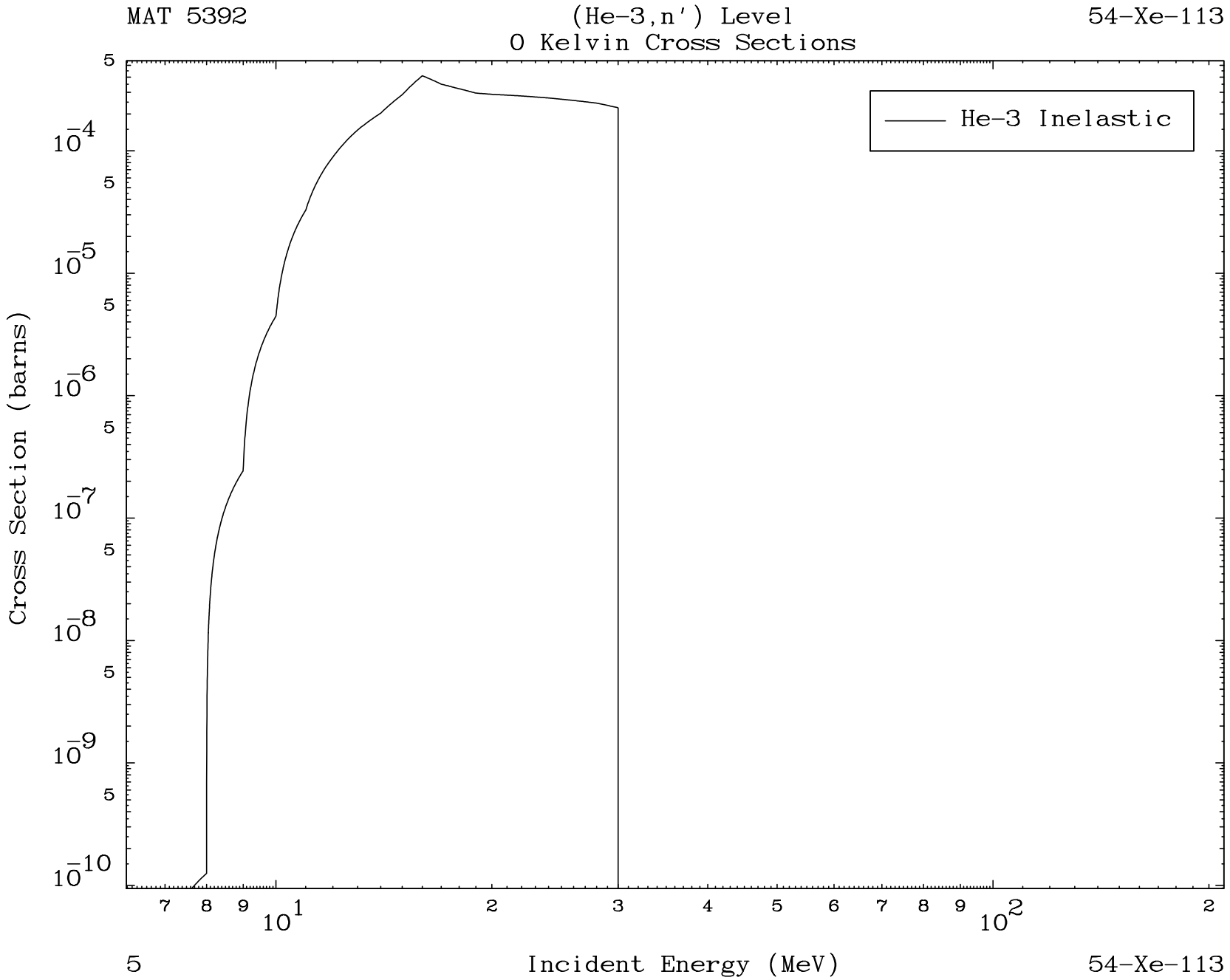
Press Mouse Button to Start

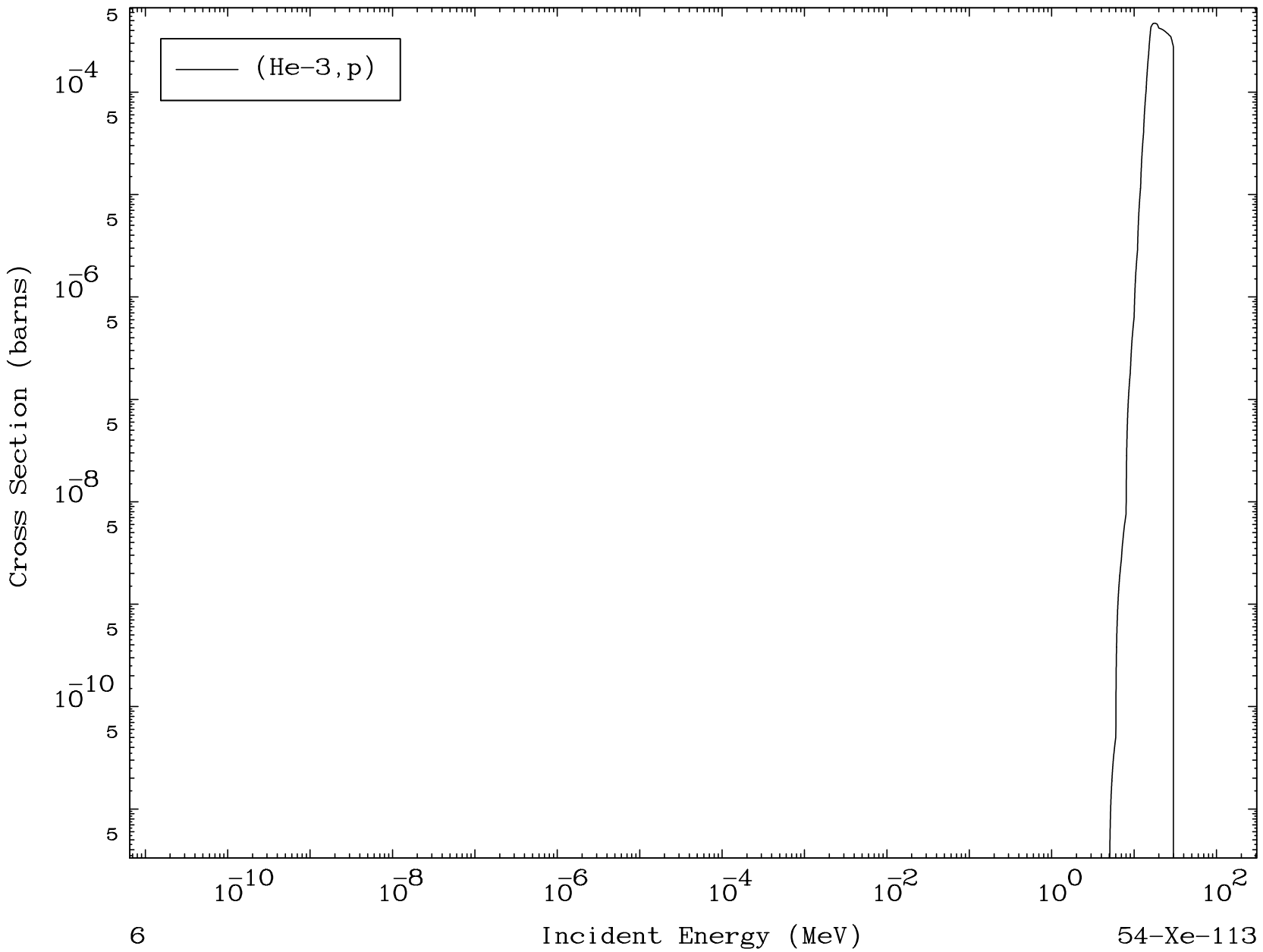

MAT 5392
He-3 Major
54-Xe-113
0 Kelvin Cross Sections
He-3 Inelastic
(He-3,remainder)
Cross Section (barns)
Incident Energy (MeV)
1
54-Xe-113

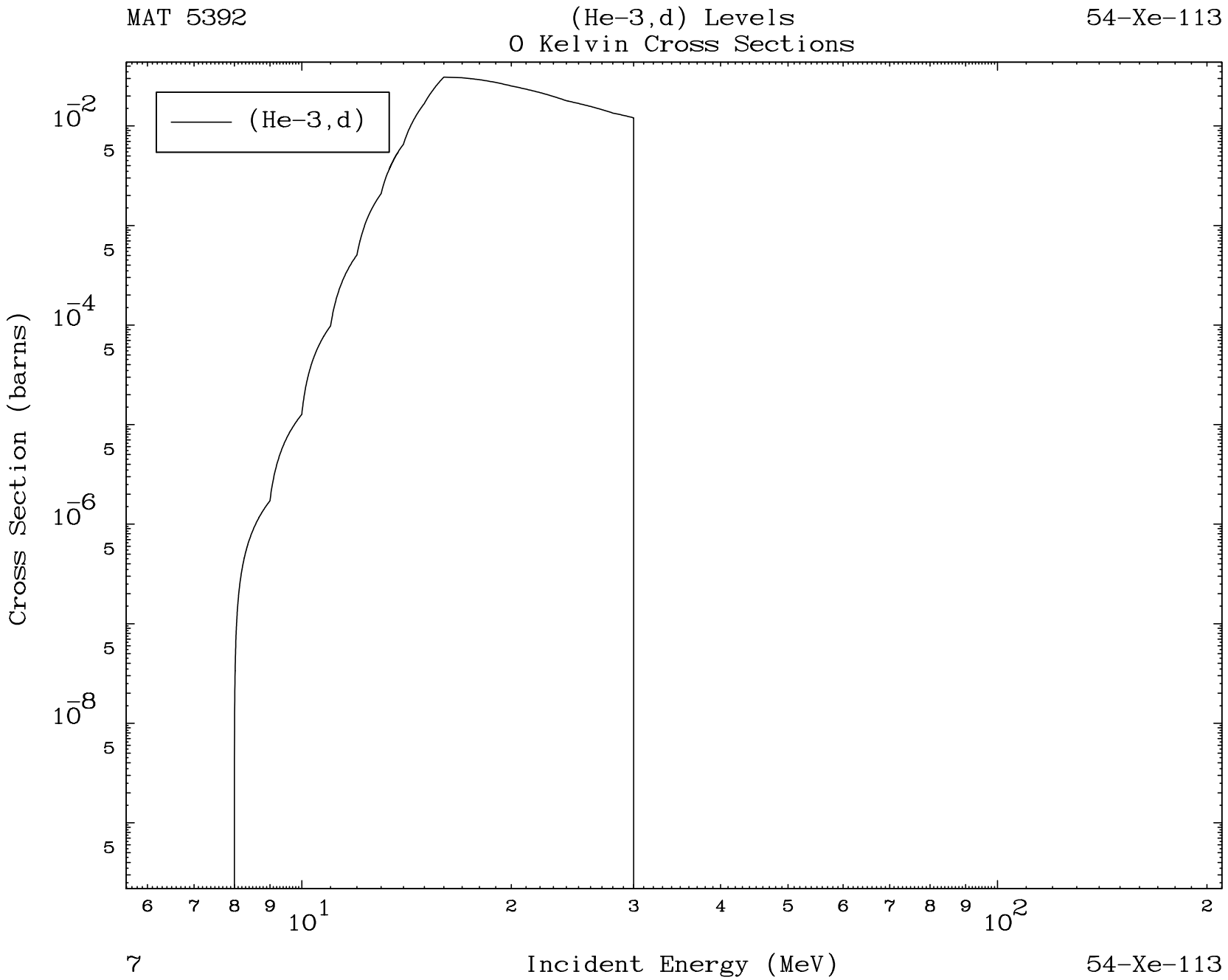

MAT 5392
He-3 Neutron Production
0 Kelvin Cross Sections
54-Xe-113
(He-3,2n)
(He-3,n') α
(He-3,n') 3α
(He-3,2n) α
(He-3,n') p
(He-3,n') 2α
(He-3,n') d
(He-3,n') t
(He-3,n') He-3
(He-3,2n) p
Cross Section (barns)
Incident Energy (MeV)
2
54-Xe-113

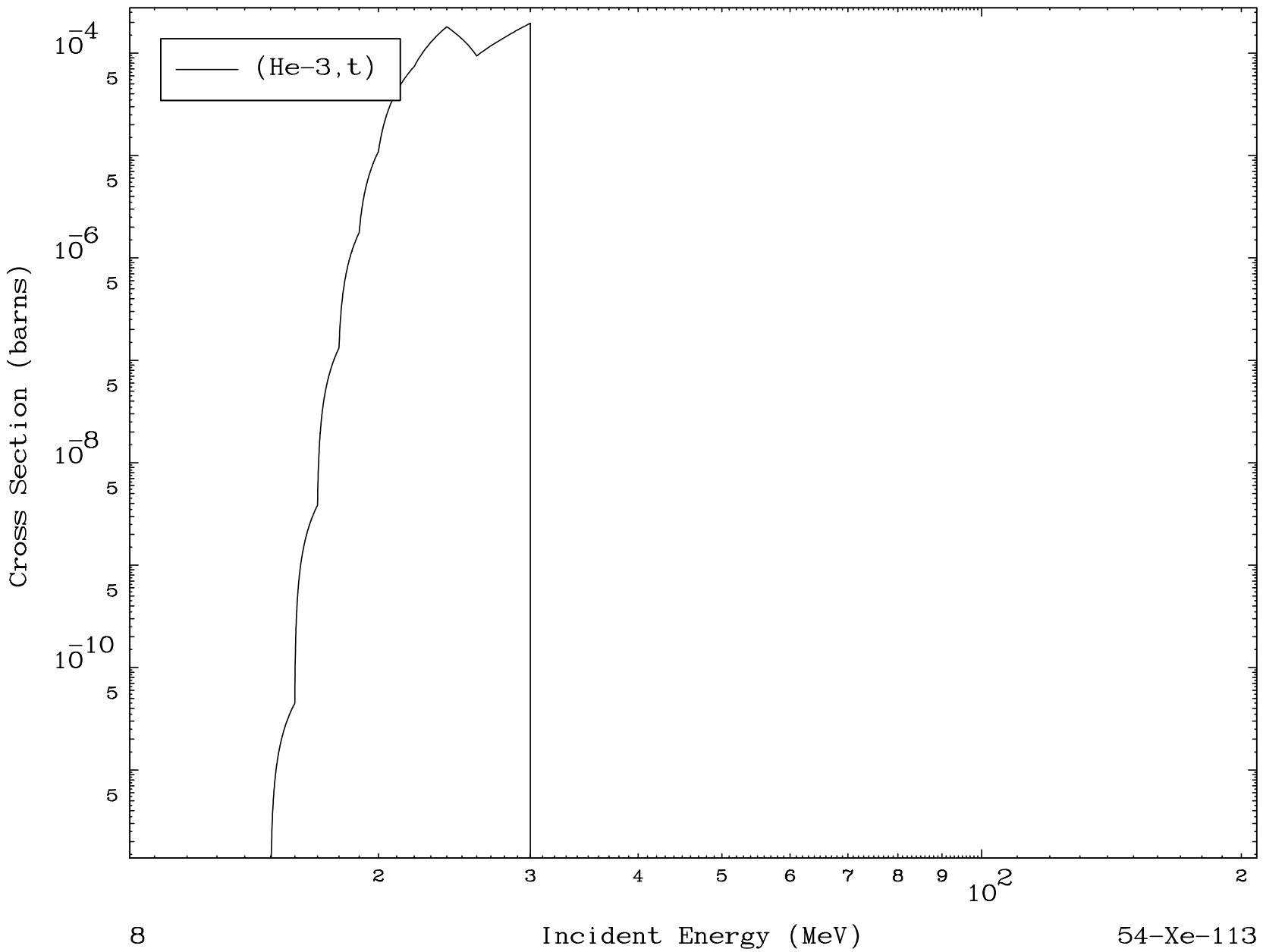

MAT 5392
He-3 Charged Particle
0 Kelvin Cross Sections
54-Xe-113
(He-3,n') α
(He-3,n') 3α
(He-3,2n) α
(He-3,n') p
(He-3,n') 2α
(He-3,n') d
(He-3,n') t
(He-3,n') He-3
(He-3,2n) p
(He-3,p)
(He-3,d)
Cross Section (barns)
Incident Energy (MeV)
3
54-Xe-113

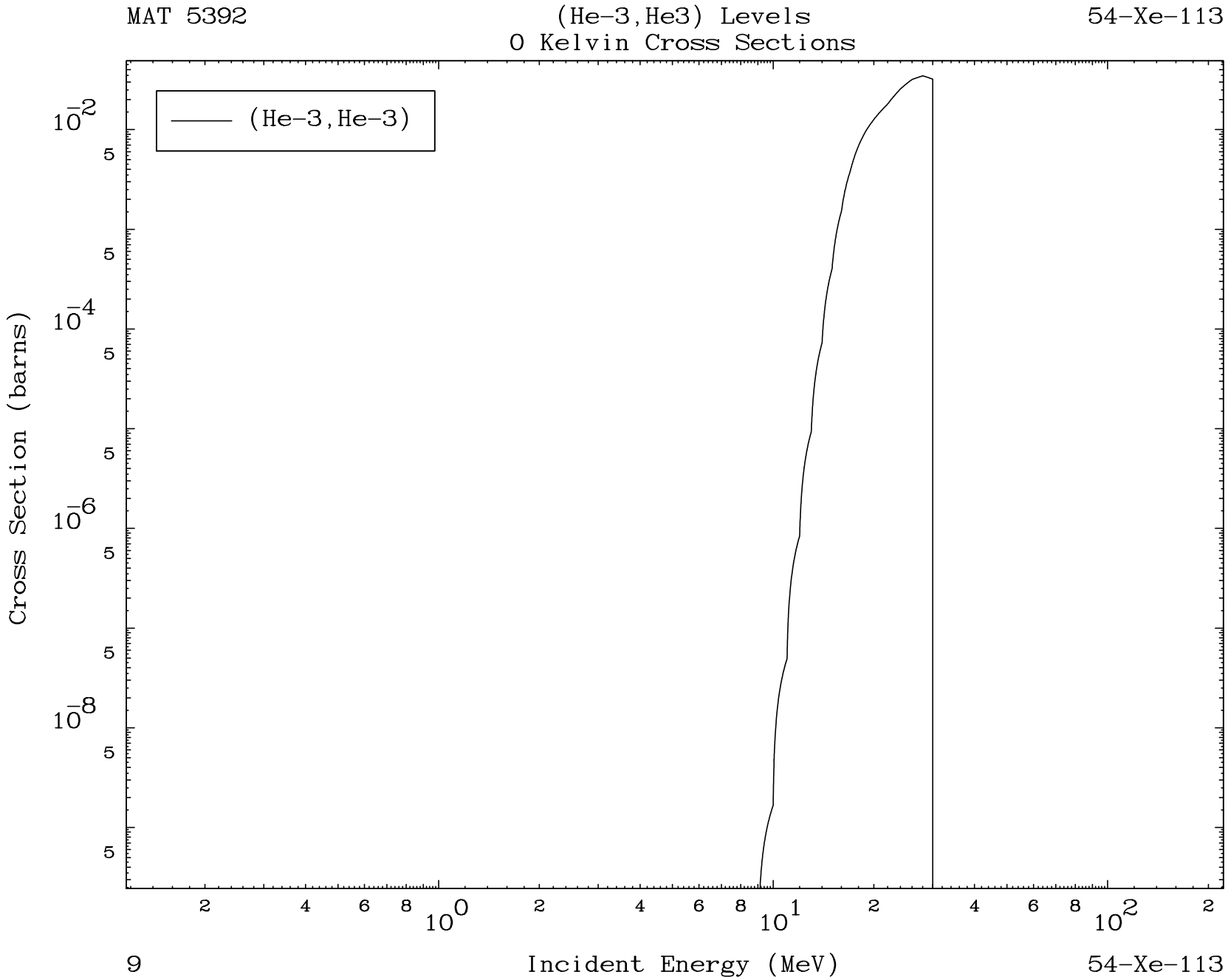

MAT 5392
He-3 Charged Particle
0 Kelvin Cross Sections
54-Xe-113
(He-3,t)
(He-3,He-3)
(He-3,α)
(He-3,2α)
(He-3,3α)
(He-3,2p)
(He-3,p) α
(He-3,t) 2α
(He-3,d) 2α
(He-3,p) d
(He-3,p) t
Cross Section (barns)
Incident Energy (MeV)
4
54-Xe-113

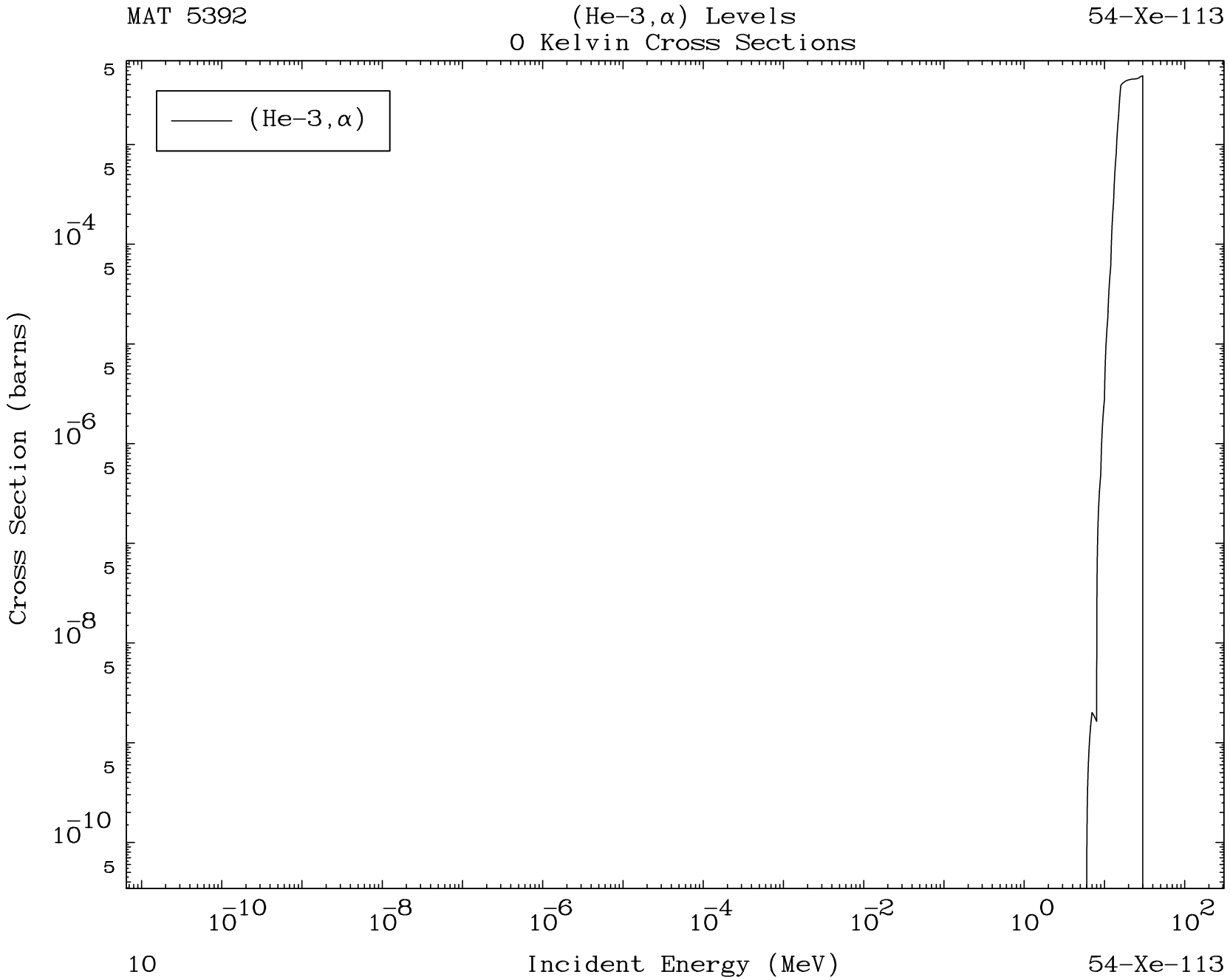

MAT 5392
(He-3,n') Level
54-Xe-113
0 Kelvin Cross Sections
He-3 Inelastic
Cross Section (barns)
Incident Energy (MeV)
54-Xe-113


0 Kelvin Cross Sections
(He-3,p)
Cross Section (barns)
Incident Energy (MeV)
5
10^{-4}
10^{-6}
10^{-8}
10^{-10}
10^{-10}
10^{-8}
10^{-6}
10^{-4}
10^{-2}
10^{0}
10^{2}


MAT 5392
(He-3,d) Levels
54-Xe-113
0 Kelvin Cross Sections
(He-3,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
7
54-Xe-113


0 Kelvin Cross Sections
(He-3,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 5392
(He-3,He3) Levels
54-Xe-113
0 Kelvin Cross Sections
(He-3,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
9
54-Xe-113


MAT 5392
(He-3,α) Levels
54-Xe-113
0 Kelvin Cross Sections
(He-3,α)
Cross Section (barns)
Incident Energy (MeV)
10
54-Xe-113