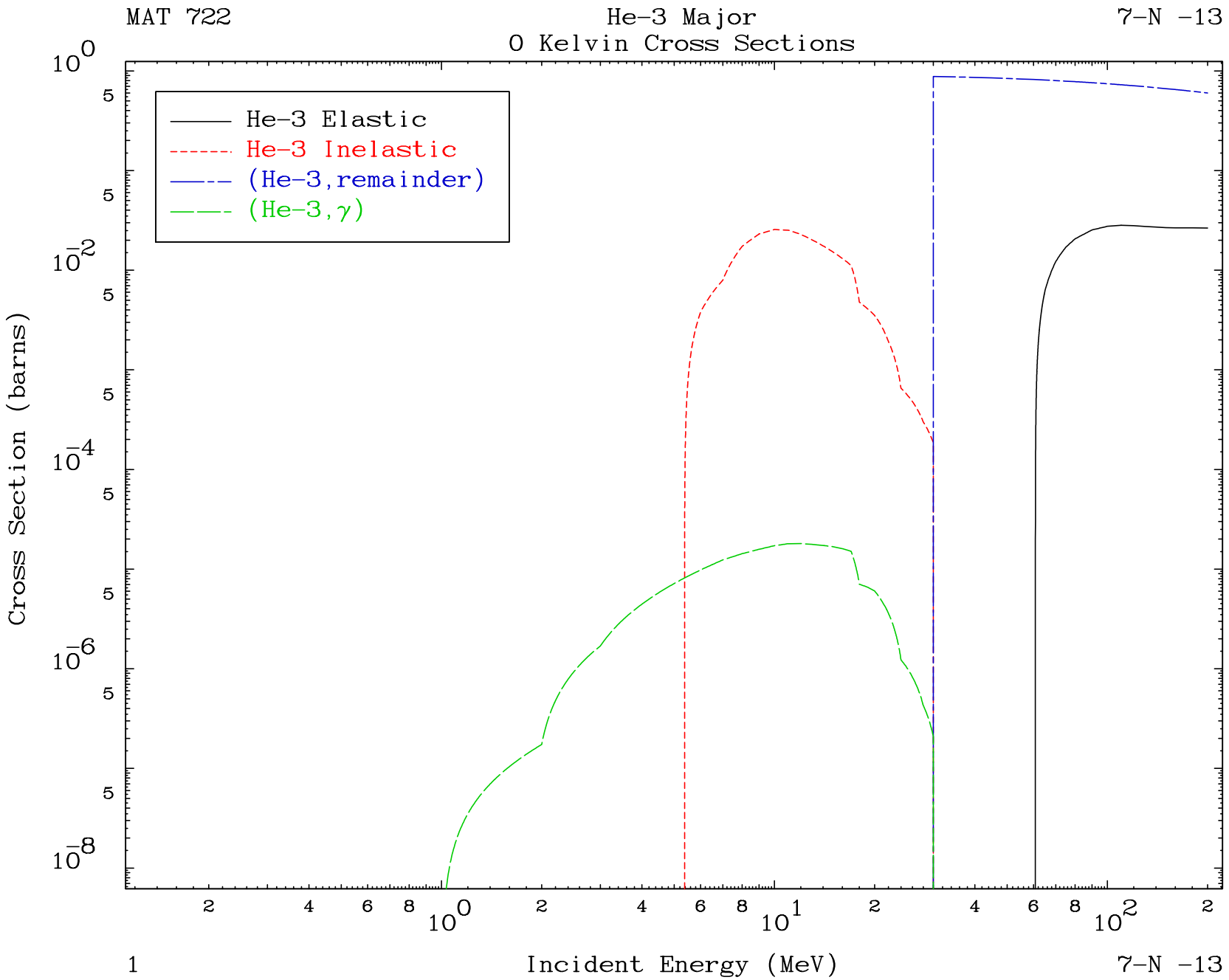
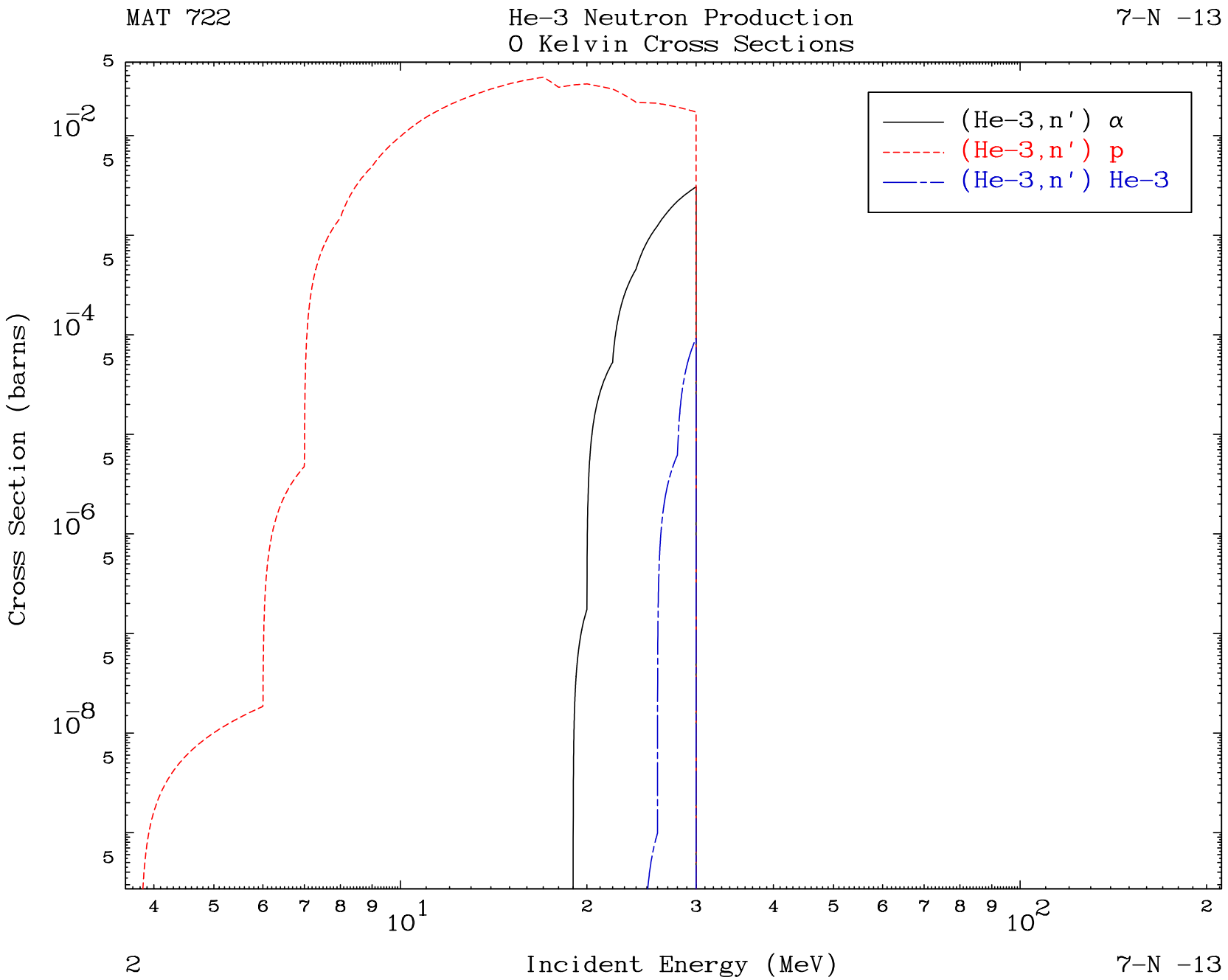
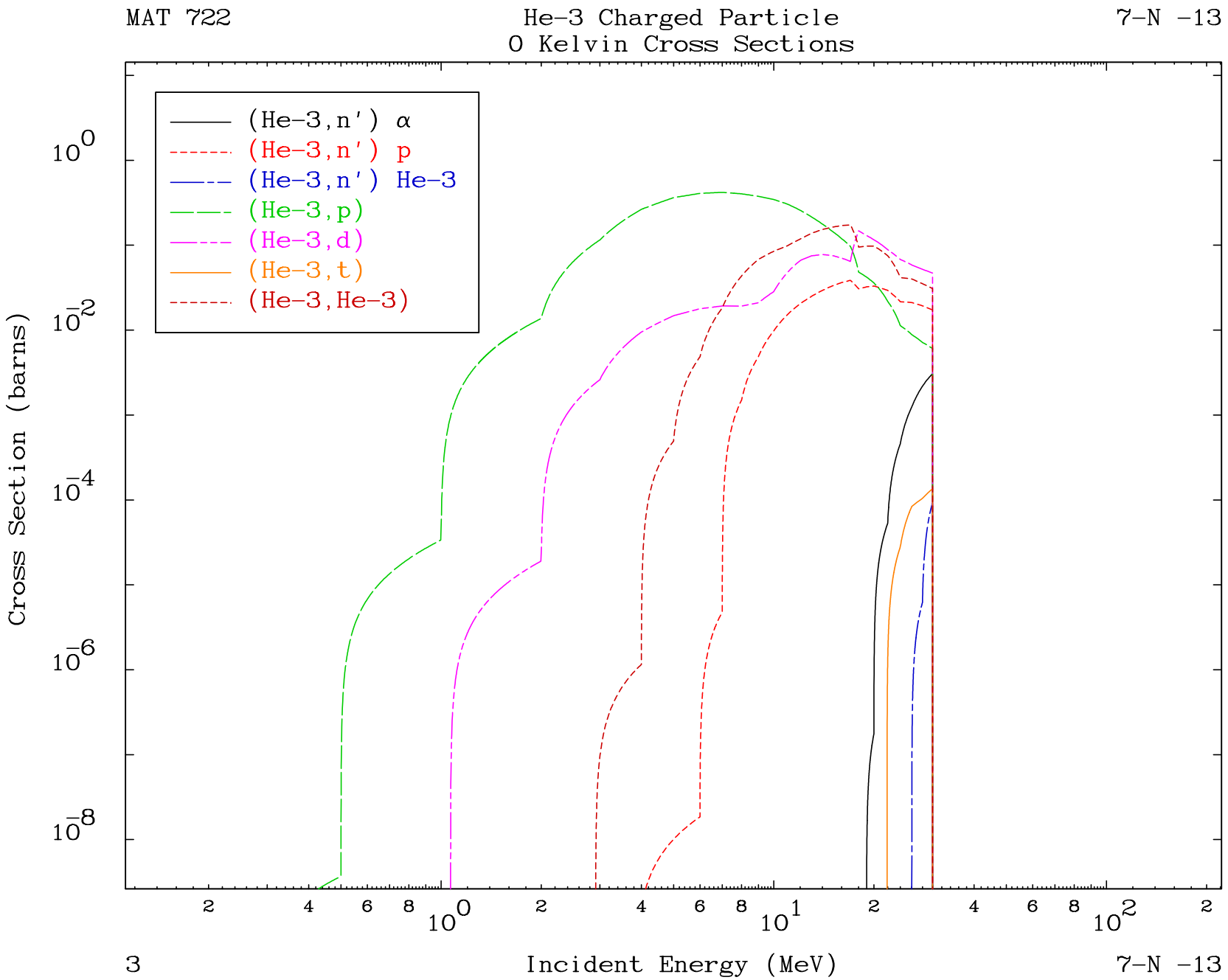
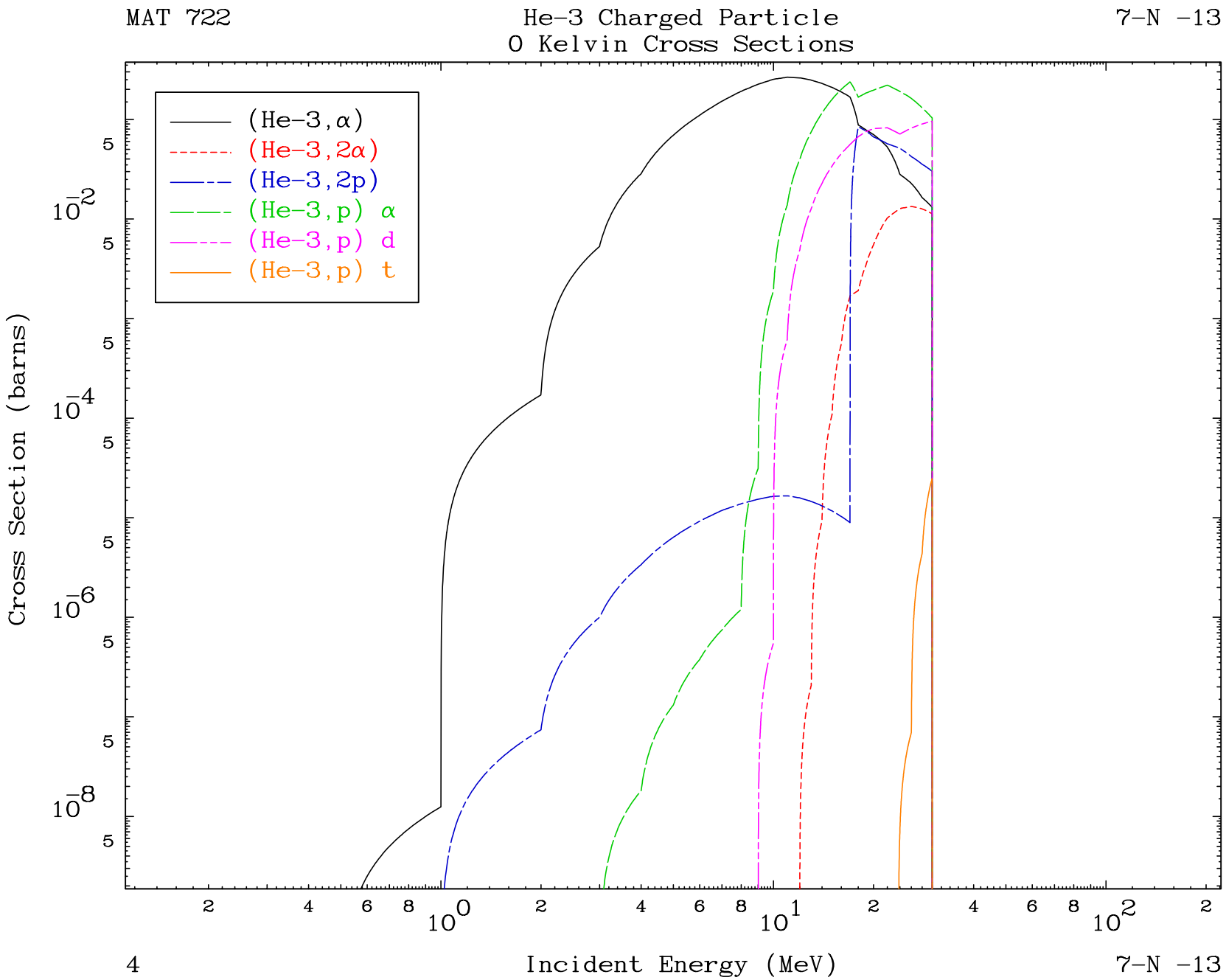
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

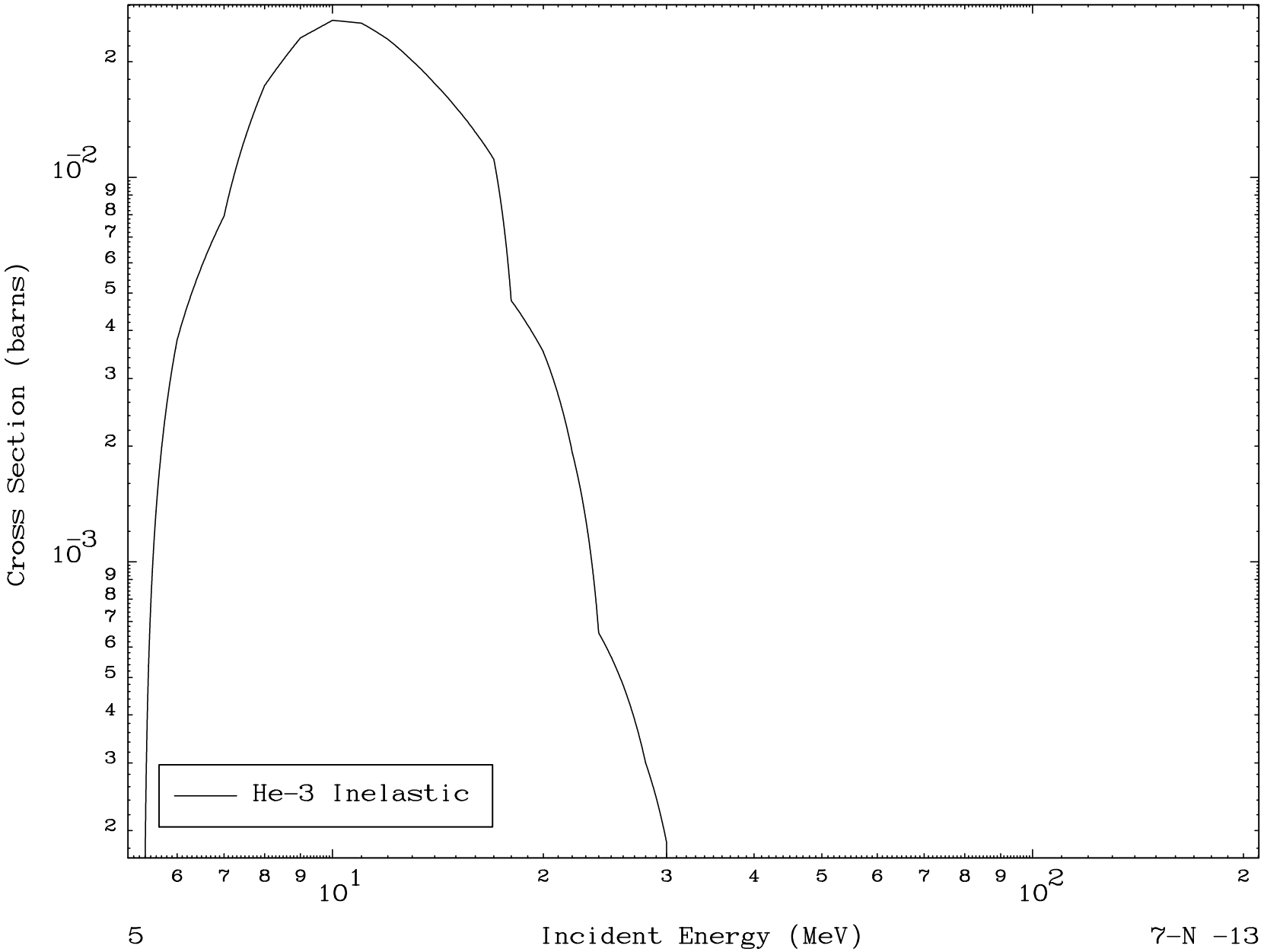

MAT 722
He-3 Major
0 Kelvin Cross Sections
7-N -13
He-3 Elastic
He-3 Inelastic
(He-3,remainder)
(He-3,γ)
Cross Section (barns)
Incident Energy (MeV)
7-N -13
1

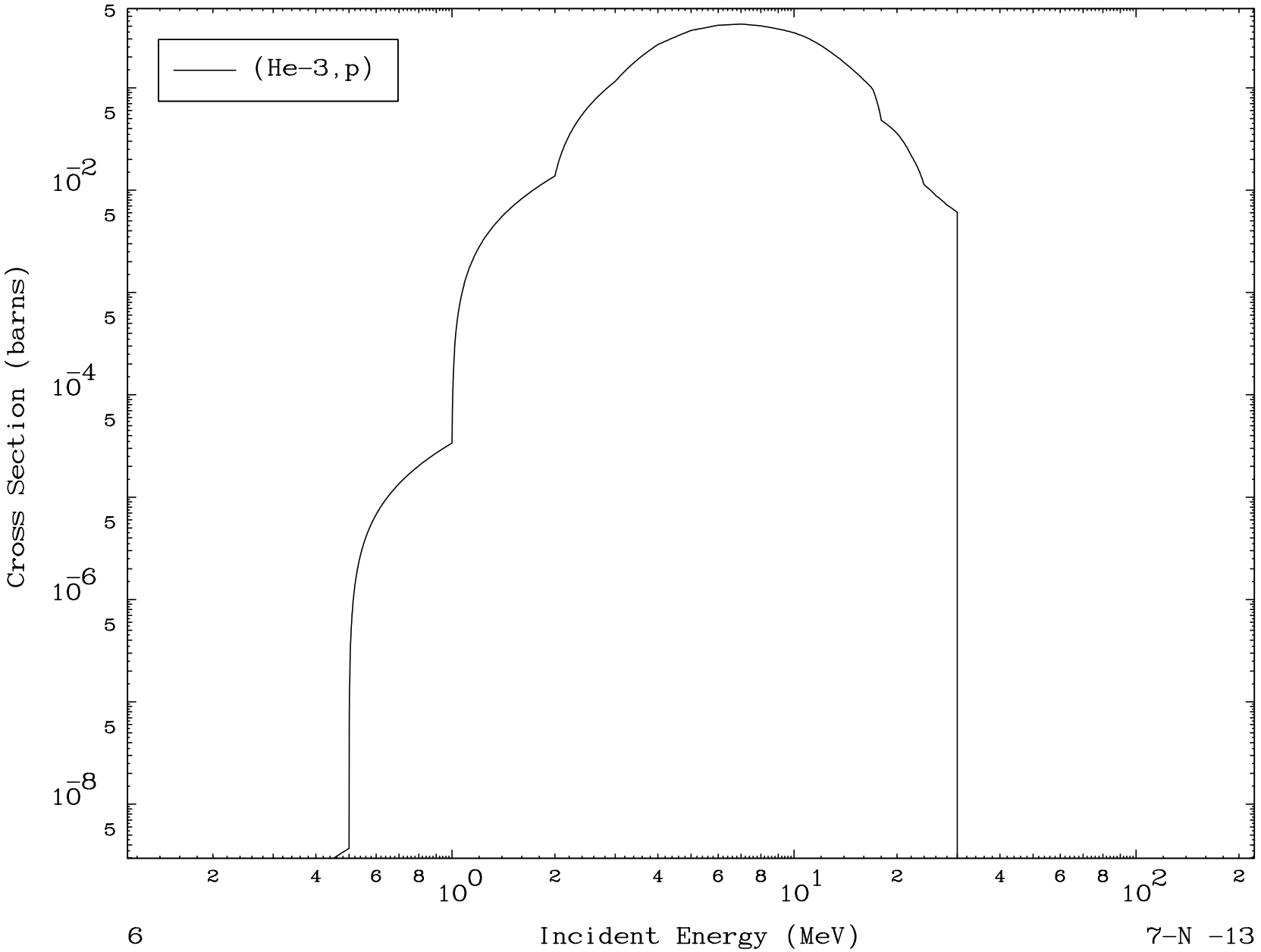

MAT 722
He-3 Neutron Production
0 Kelvin Cross Sections
7-N -13
(He-3,n') α
(He-3,n') p
(He-3,n') He-3
Cross Section (barns)
Incident Energy (MeV)
7-N -13

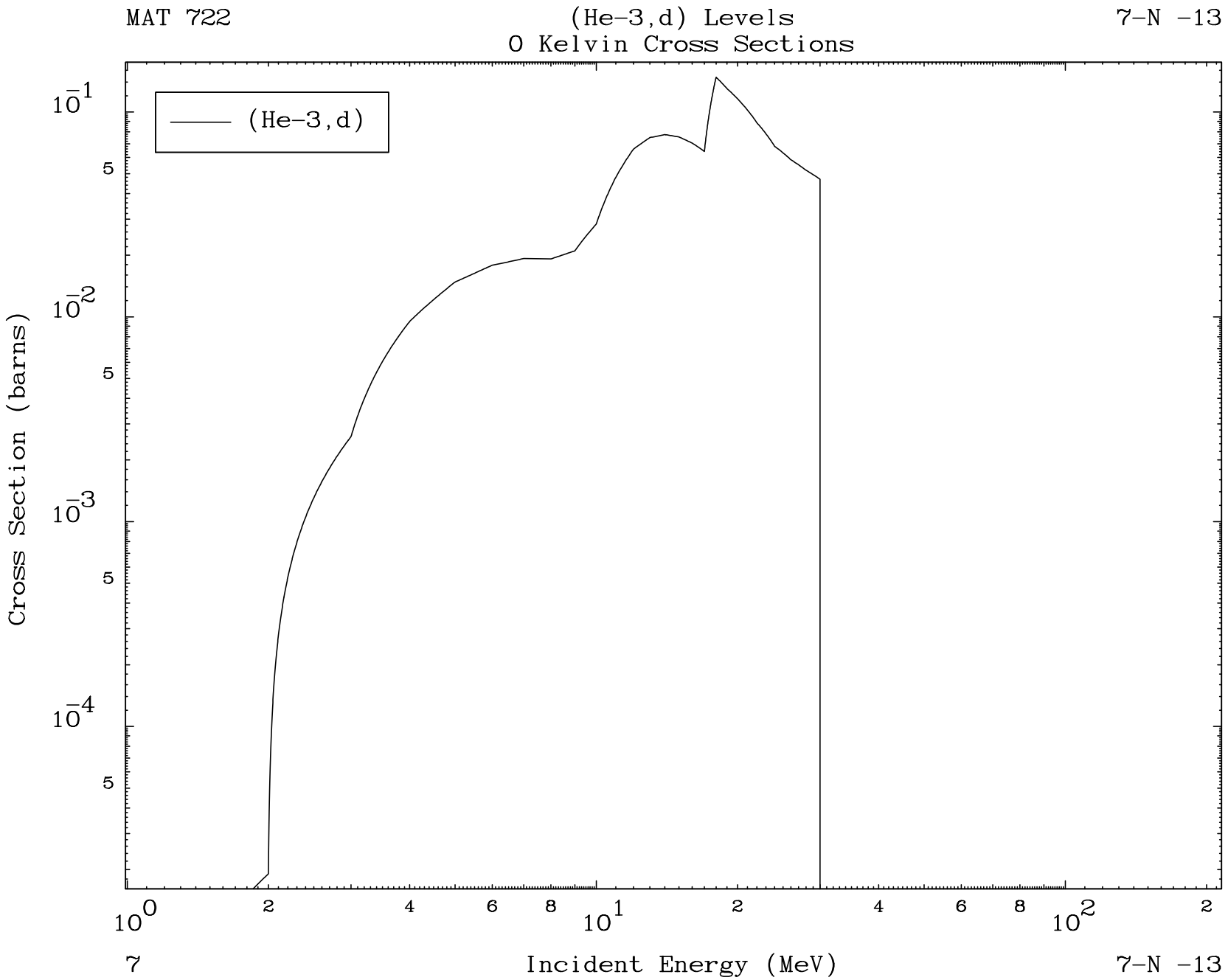

MAT 722
He-3 Charged Particle
0 Kelvin Cross Sections
7-N -13
(He-3,n') α
(He-3,n') p
(He-3,n') He-3
(He-3,p)
(He-3,d)
(He-3,t)
(He-3,He-3)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
2
4
6
8
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
3
Incident Energy (MeV)
7-N -13

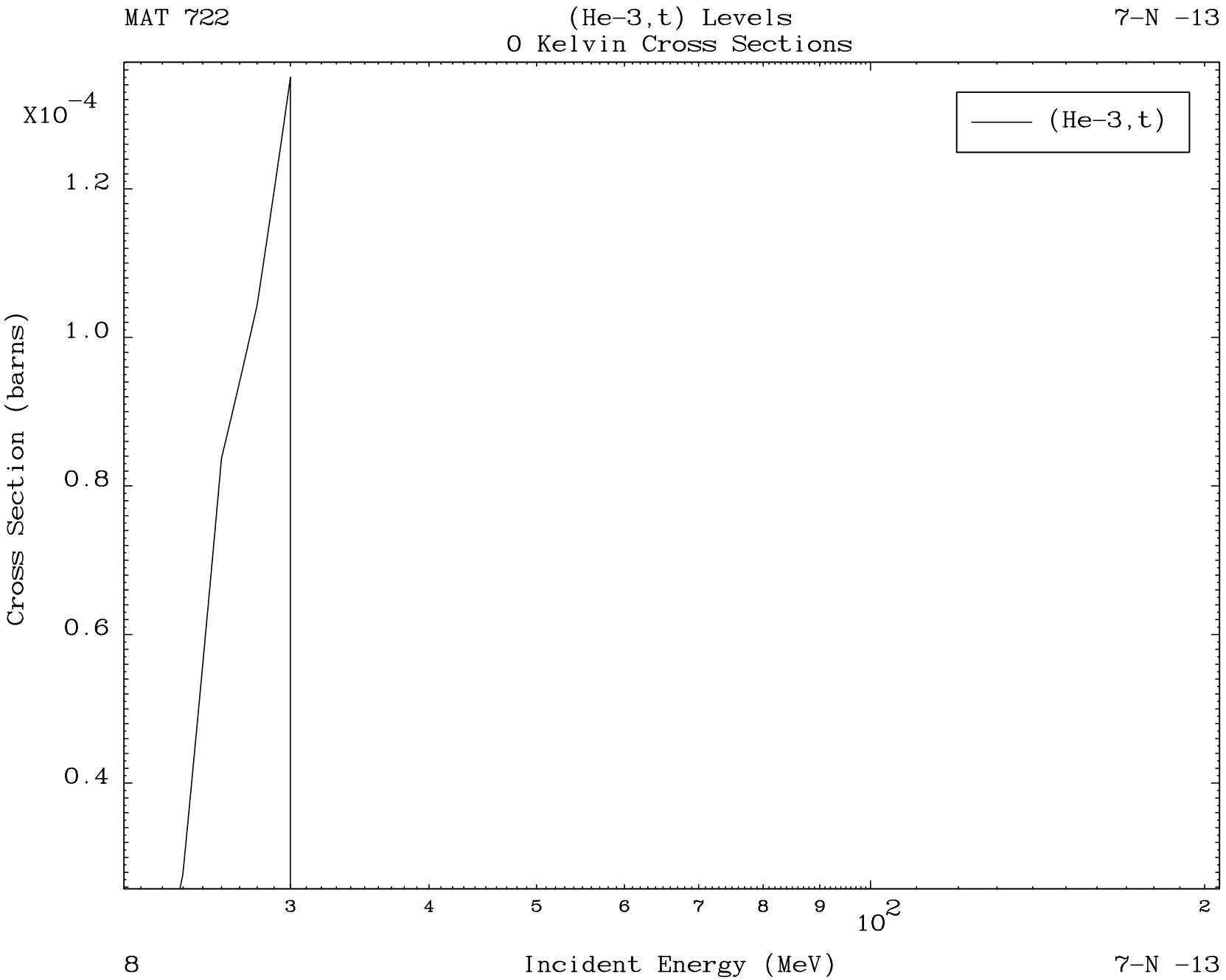

MAT 722
He-3 Charged Particle
0 Kelvin Cross Sections
7-N -13
(He-3,α)
(He-3,2α)
(He-3,2p)
(He-3,p) α
(He-3,p) d
(He-3,p) t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
4
7-N -13

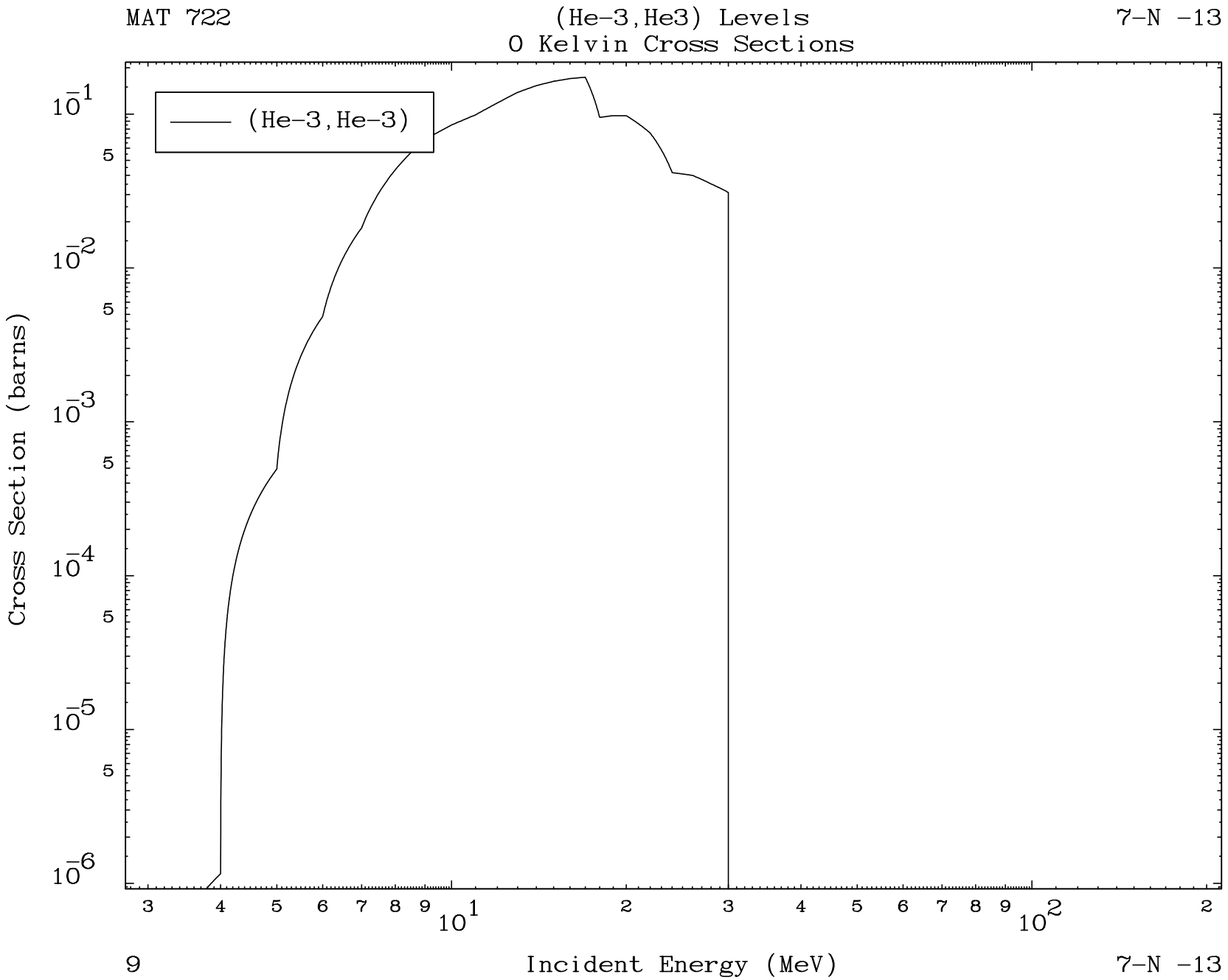
0 Kelvin Cross Sections

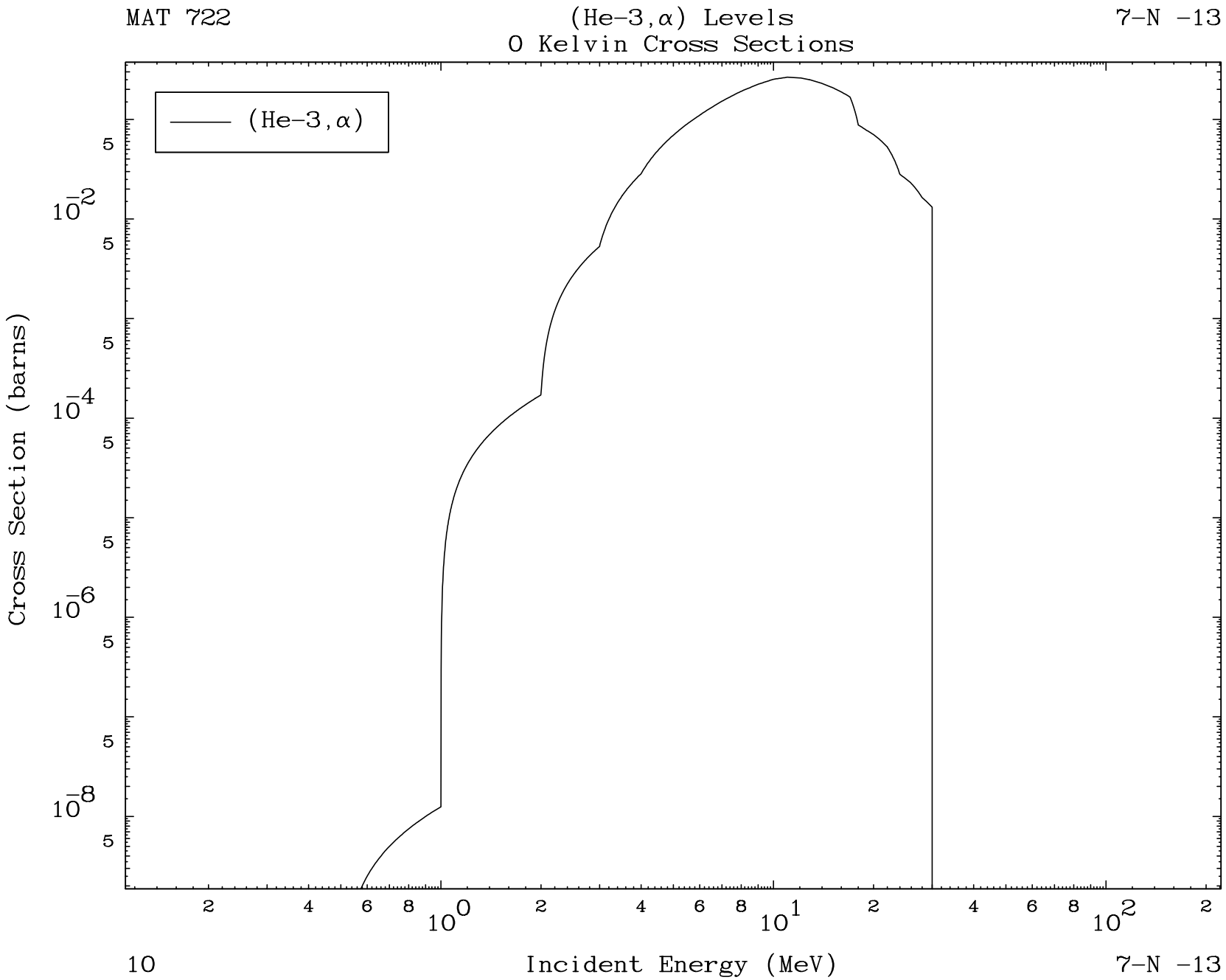



0 Kelvin Cross Sections
(He-3,p)
Cross Section (barns)
Incident Energy (MeV)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2


MAT 722
(He-3,d) Levels
7-N -13
0 Kelvin Cross Sections
(He-3,d)
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
100
2
4
6
8
101
2
4
6
8
102
2
Incident Energy (MeV)
7
7-N -13


MAT 722
(He-3,t) Levels
0 Kelvin Cross Sections
7-N -13
X10-4
1.2
1.0
0.8
0.6
0.4
Cross Section (barns)
(He-3,t)
3
4
5
6
7
8
9
10 2
2
8
Incident Energy (MeV)
7-N -13


MAT 722
(He-3,He3) Levels
7-N -13
0 Kelvin Cross Sections
(He-3,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
7-N -13


MAT 722
(He-3,α) Levels
7-N -13
0 Kelvin Cross Sections
(He-3,α)
Cross Section (barns)
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸
10⁰
10¹
10²
Incident Energy (MeV)
10
7-N -13