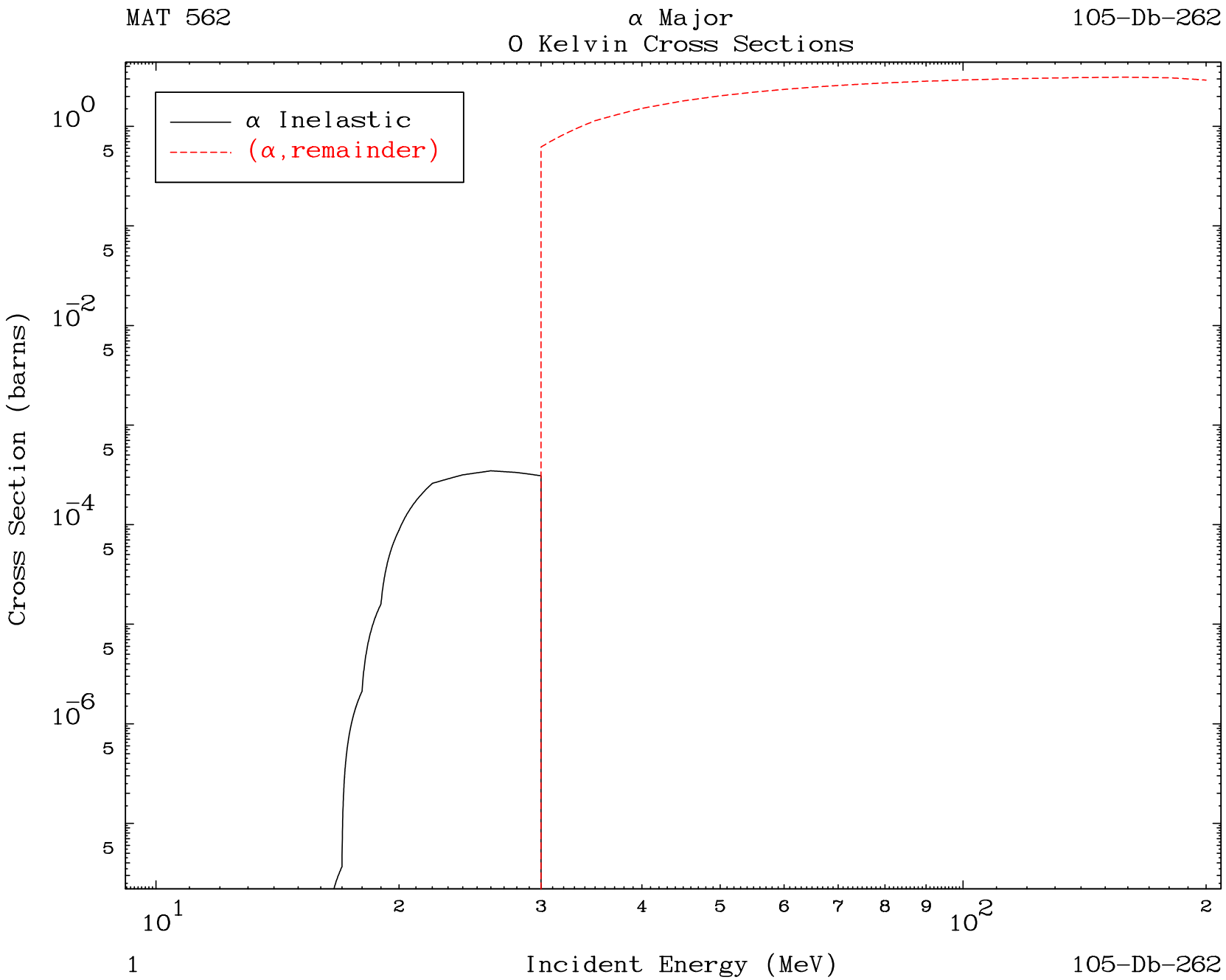
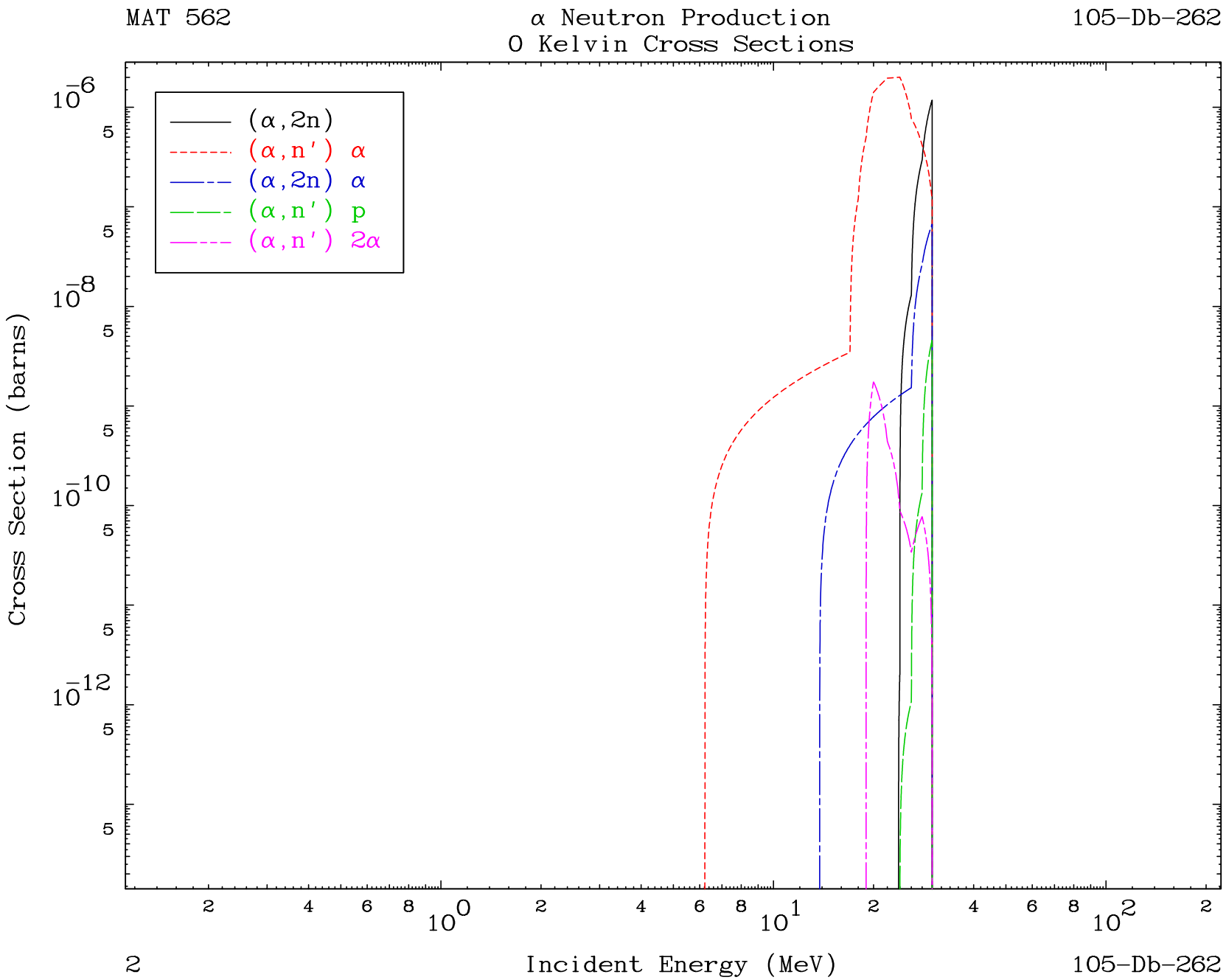
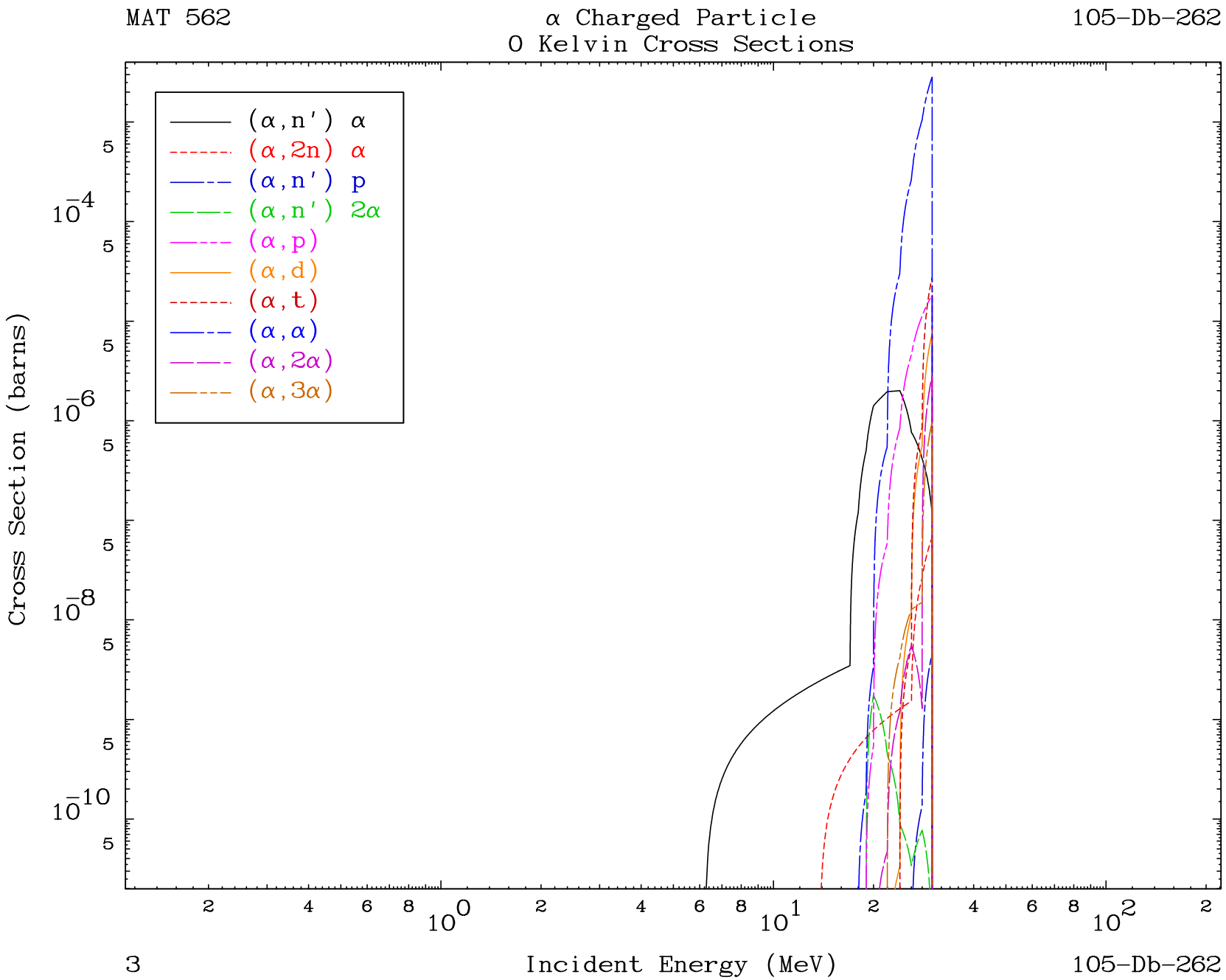
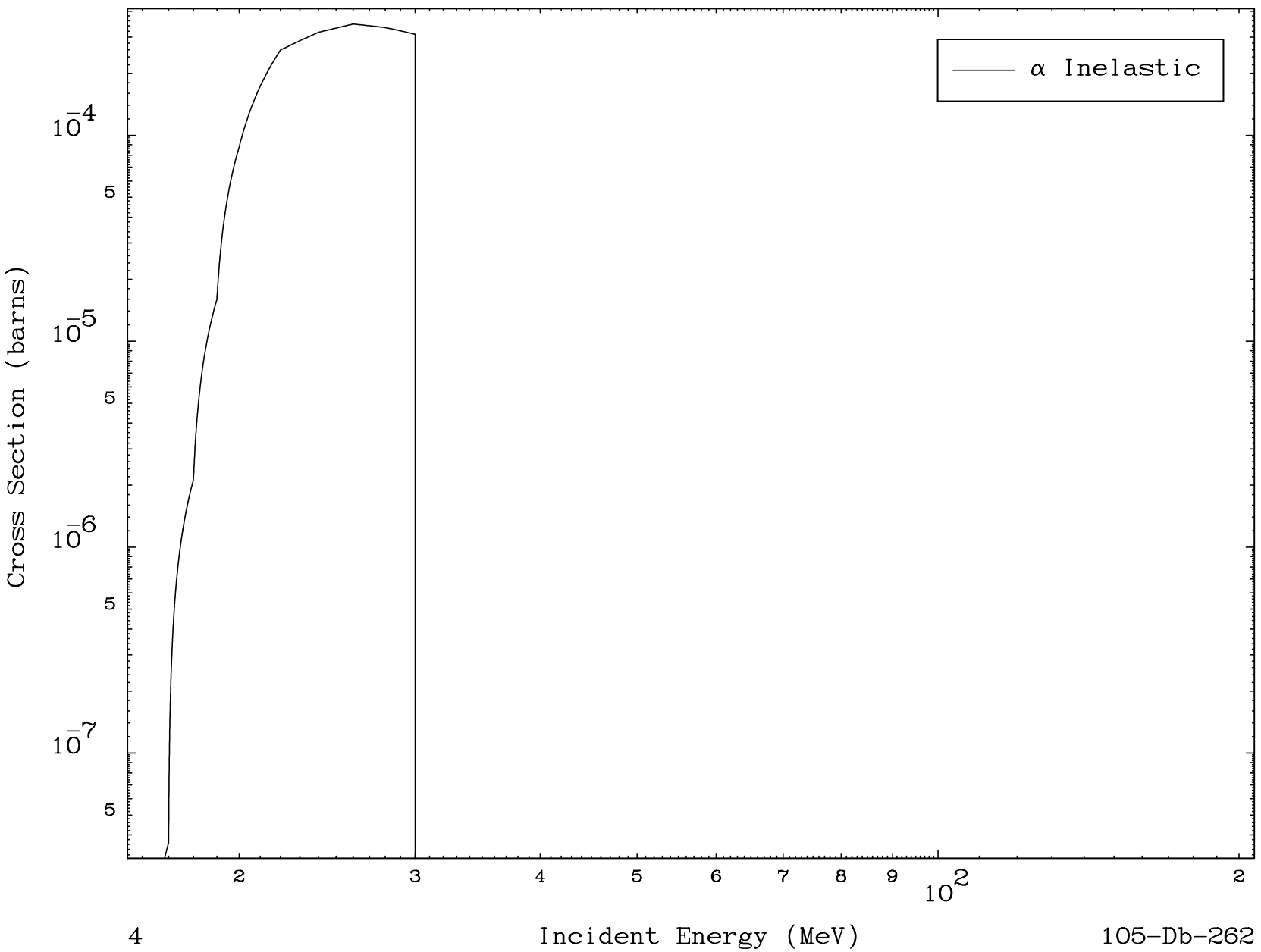
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

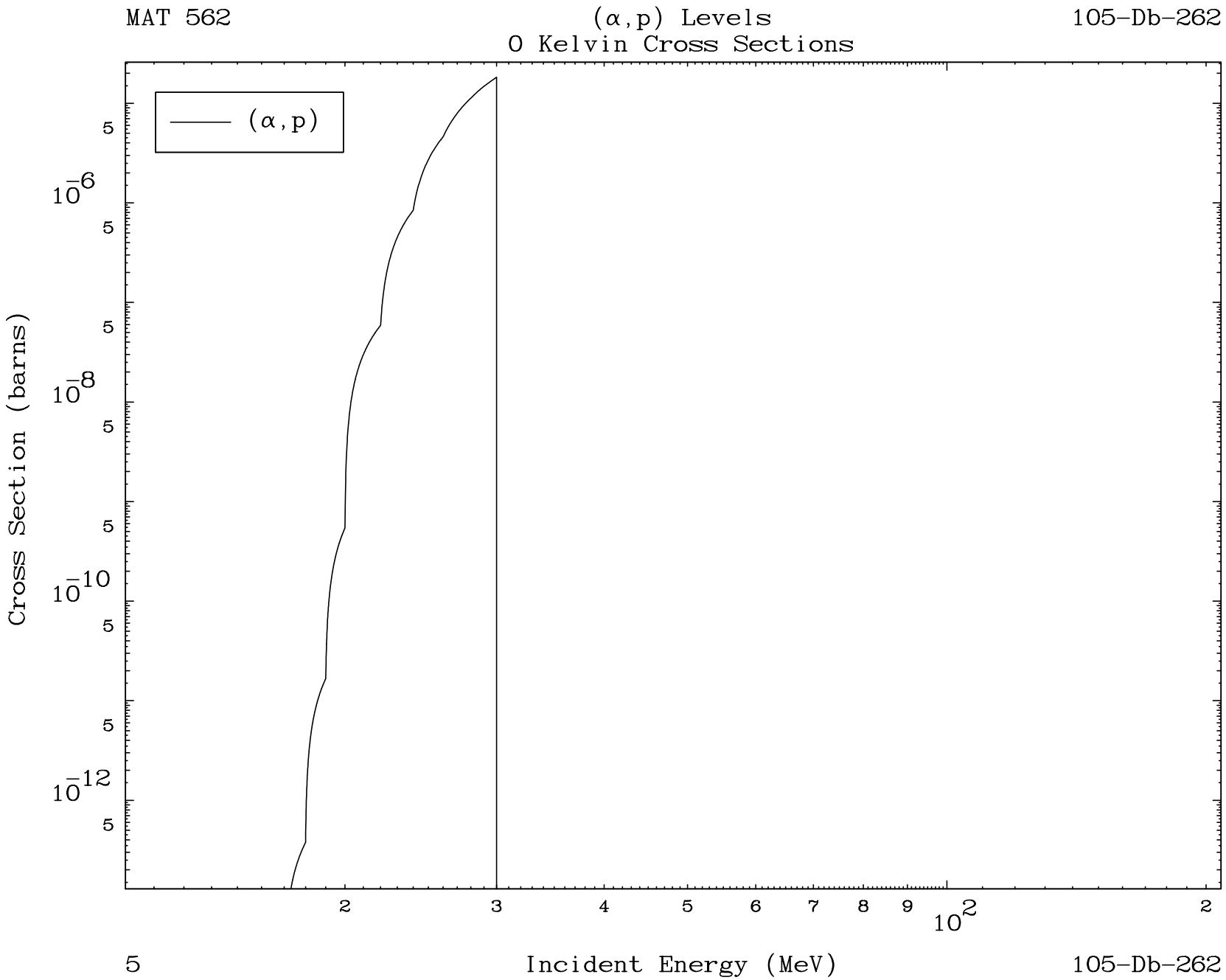
Press Mouse Button to Start

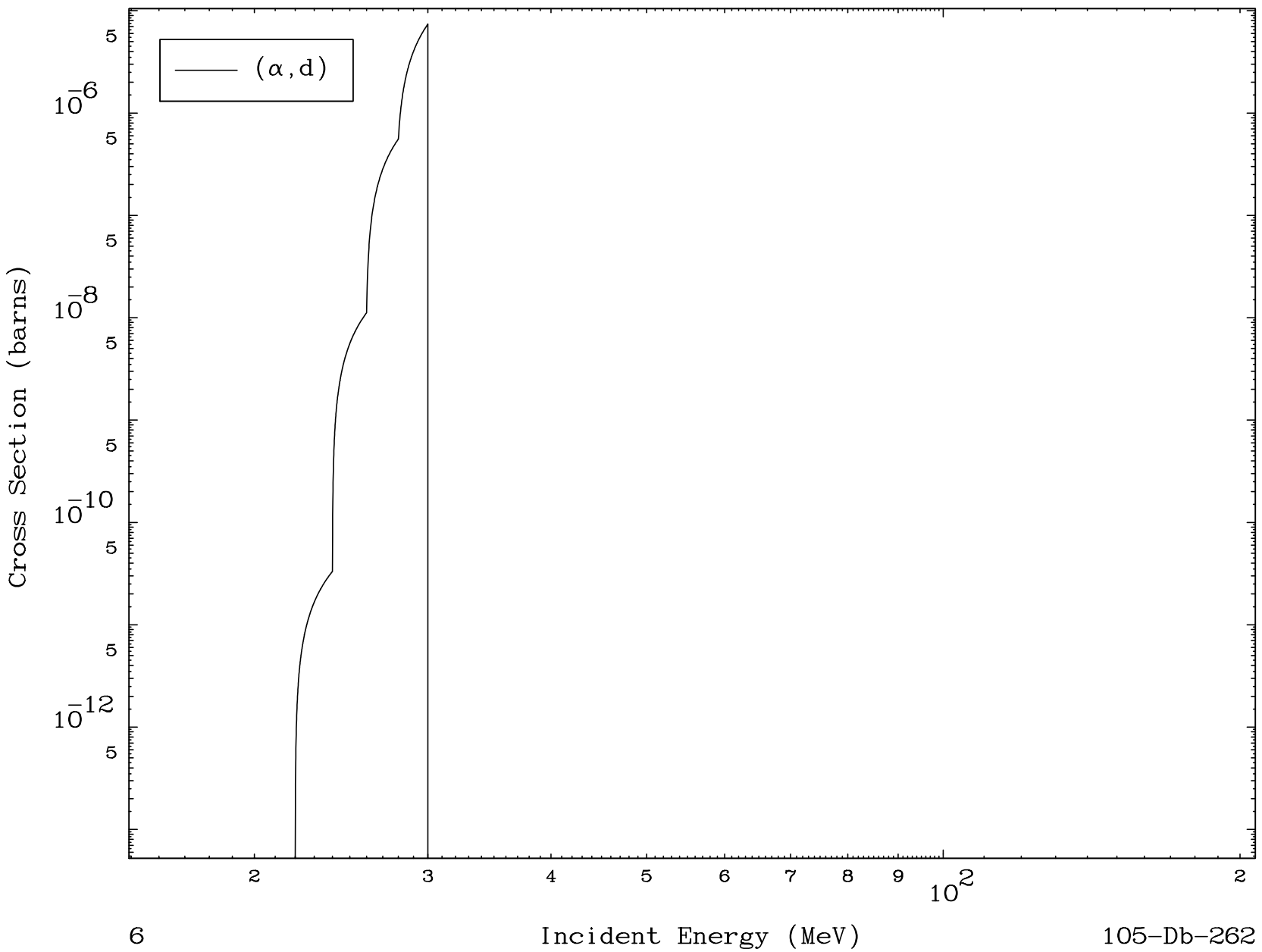

MAT 562
α Major
105-Db-262
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
10^1
2
3
4
5
6
7
8
9
10^2
2
1
Incident Energy (MeV)
105-Db-262


MAT 562
α Neutron Production
0 Kelvin Cross Sections
105-Db-262
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
Cross Section (barns)
Incident Energy (MeV)
105-Db-262
2

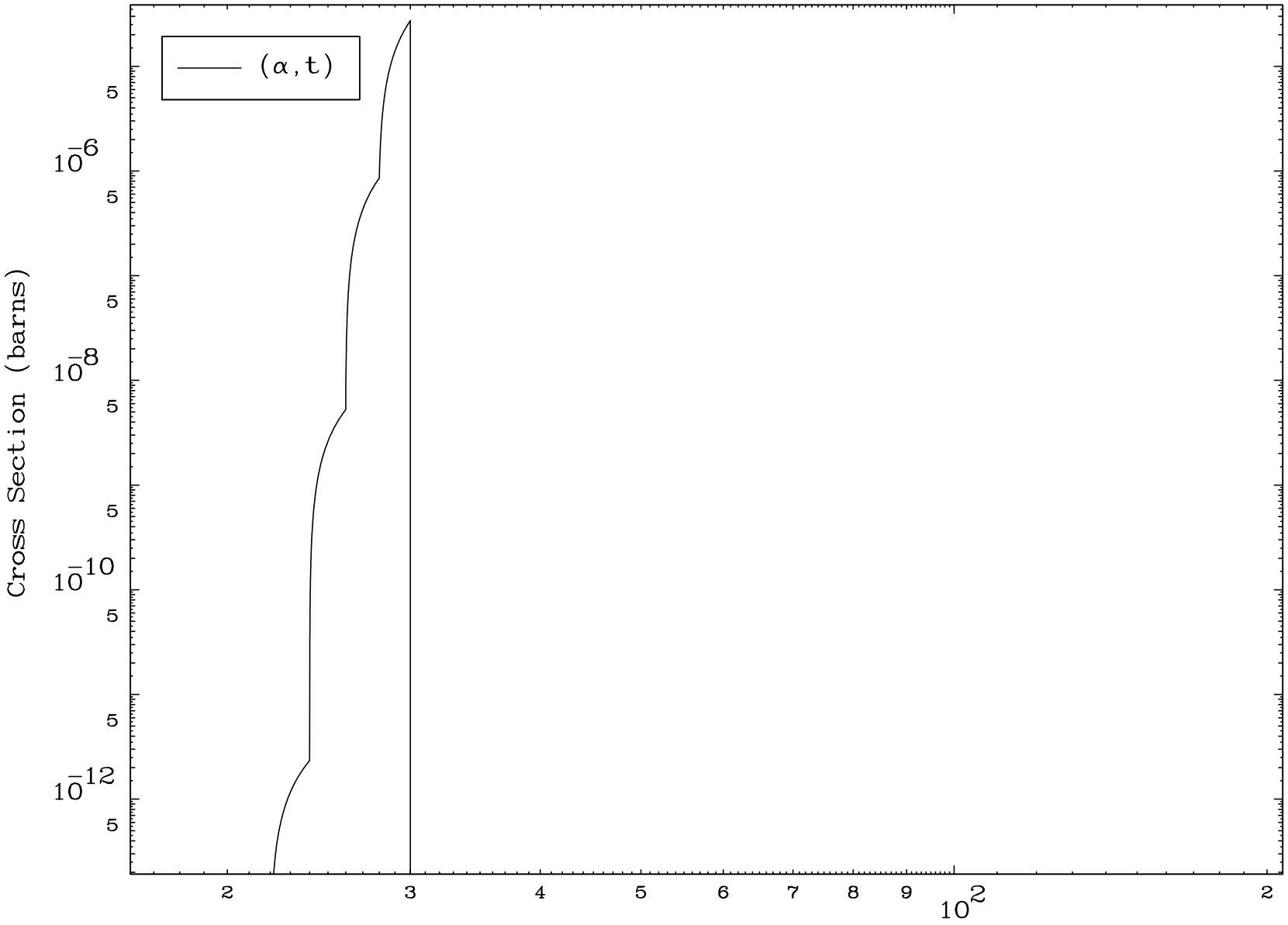

MAT 562
α Charged Particle
0 Kelvin Cross Sections
105-Db-262
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,p)
(α,d)
(α,t)
(α,α)
(α,2α)
(α,3α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
3
105-Db-262


0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-4
5
10-5
5
10-6
5
10-7
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

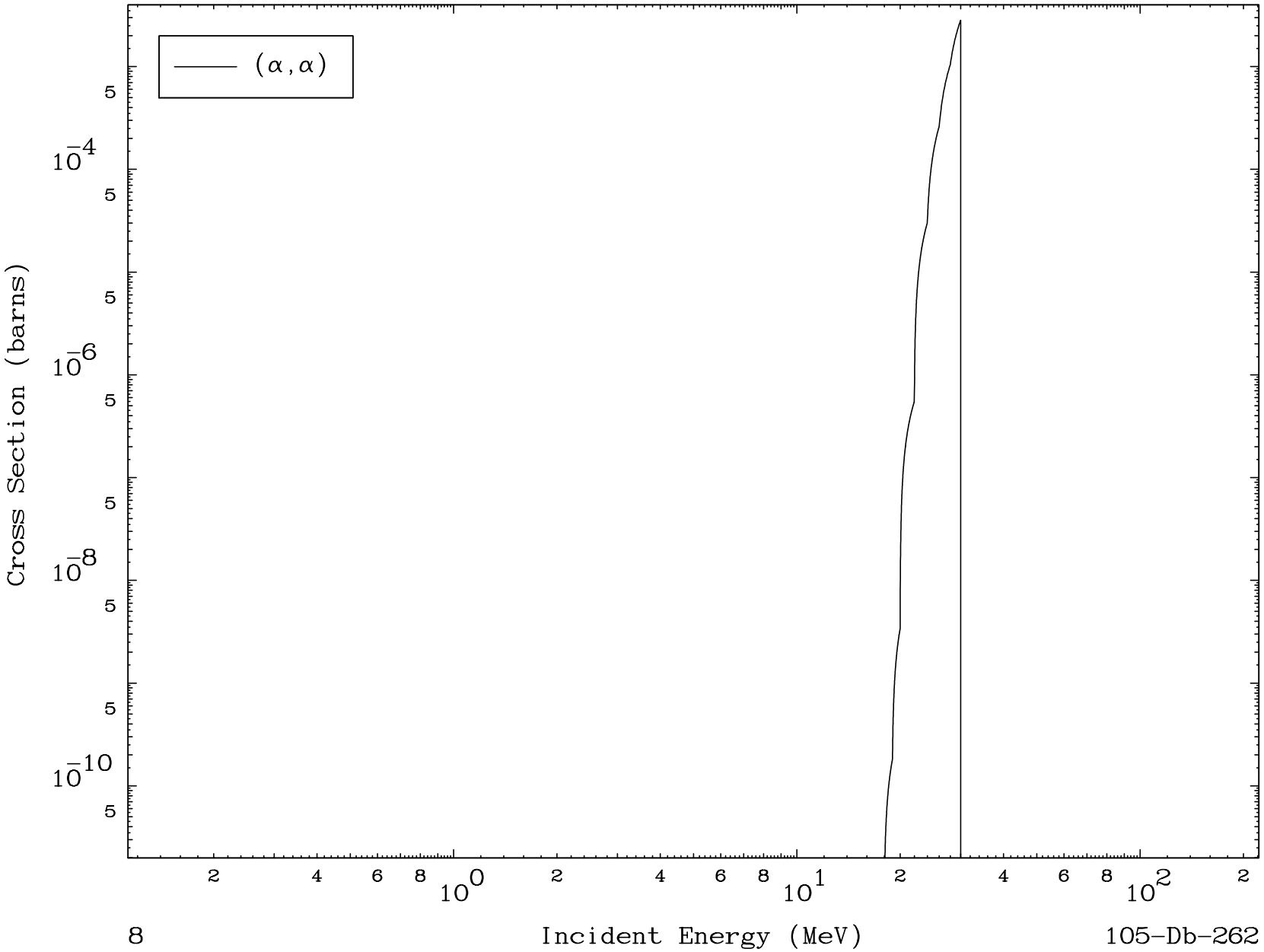

MAT 562
(α,p) Levels
105-Db-262
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
105-Db-262

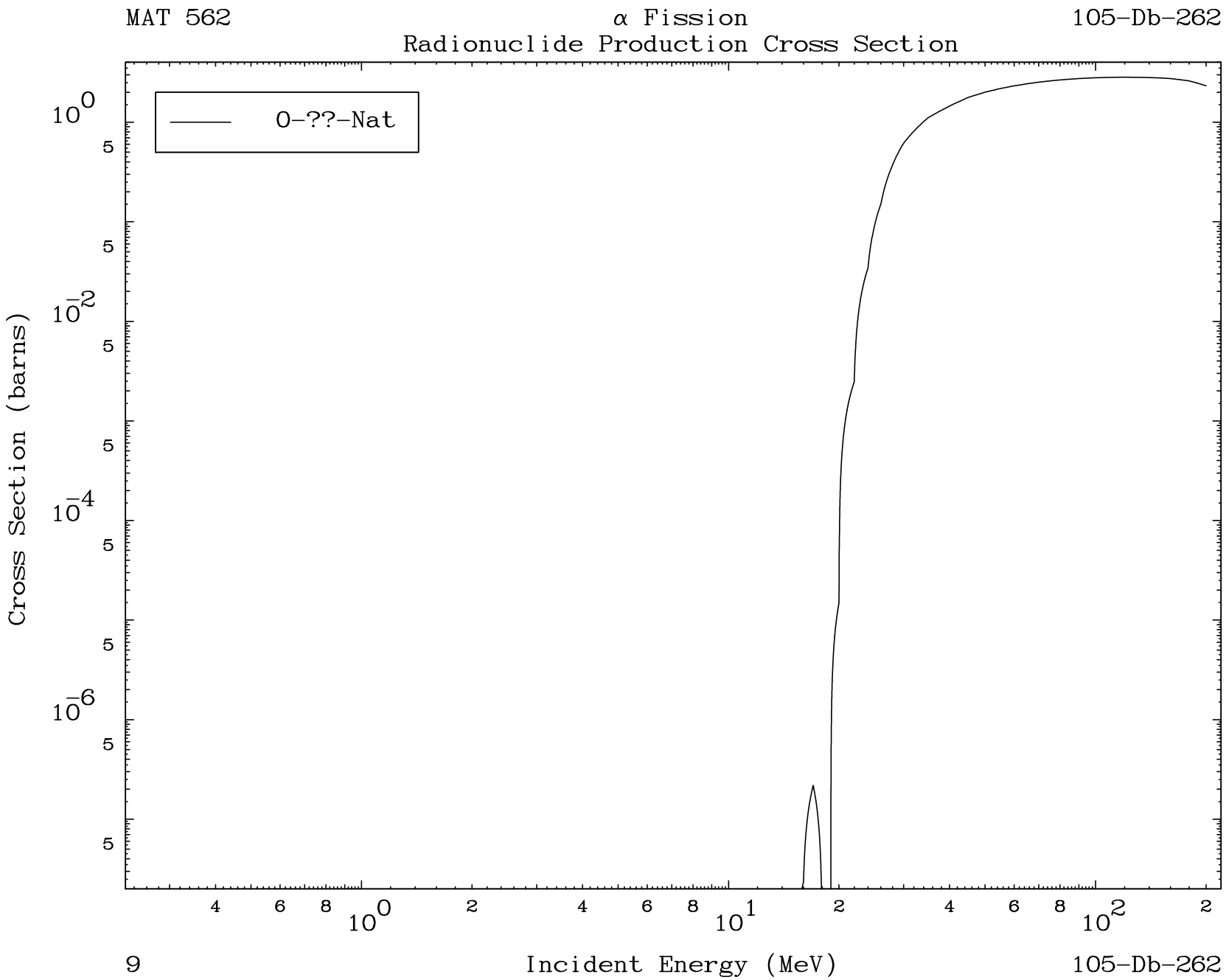

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)

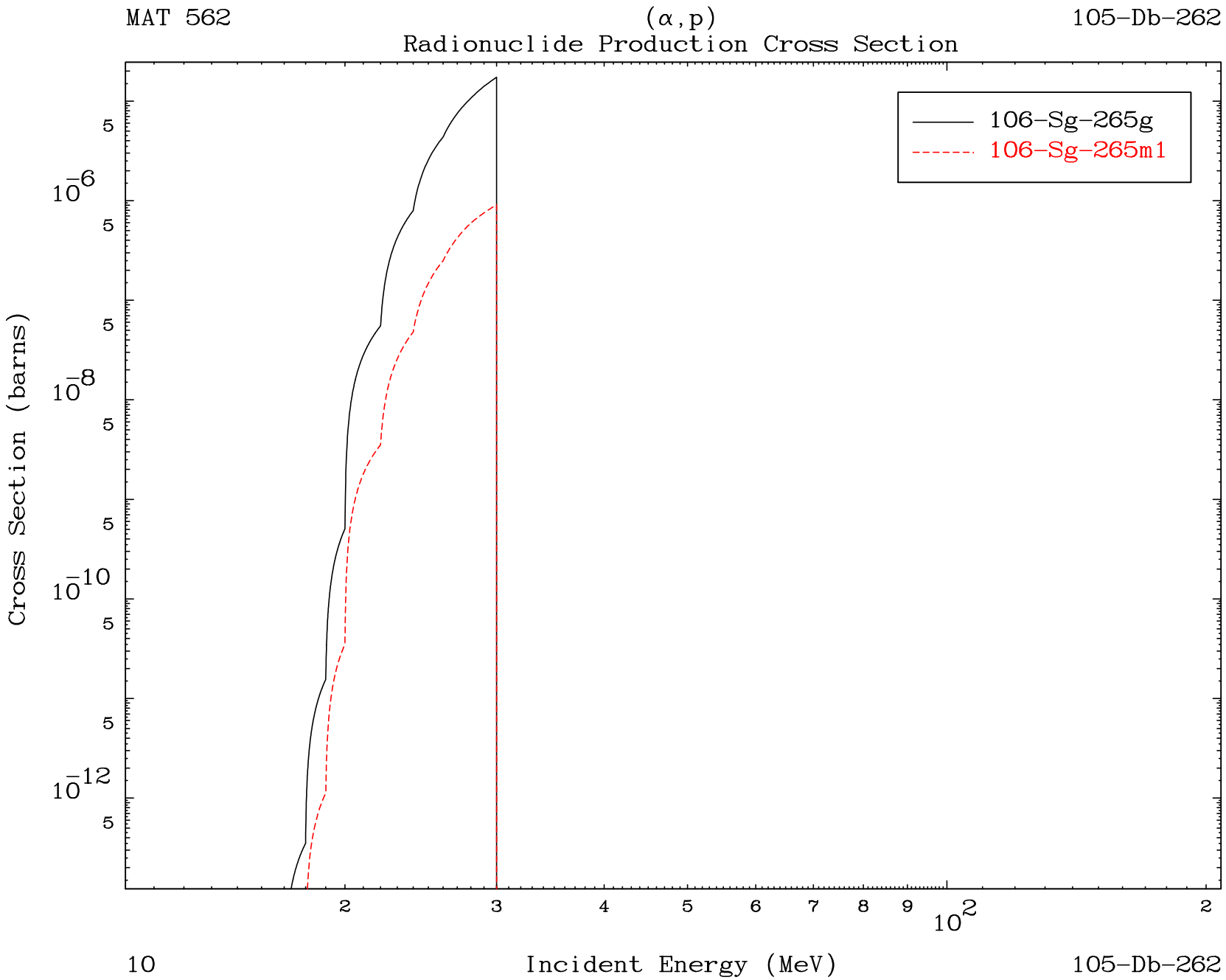
0 Kelvin Cross Sections

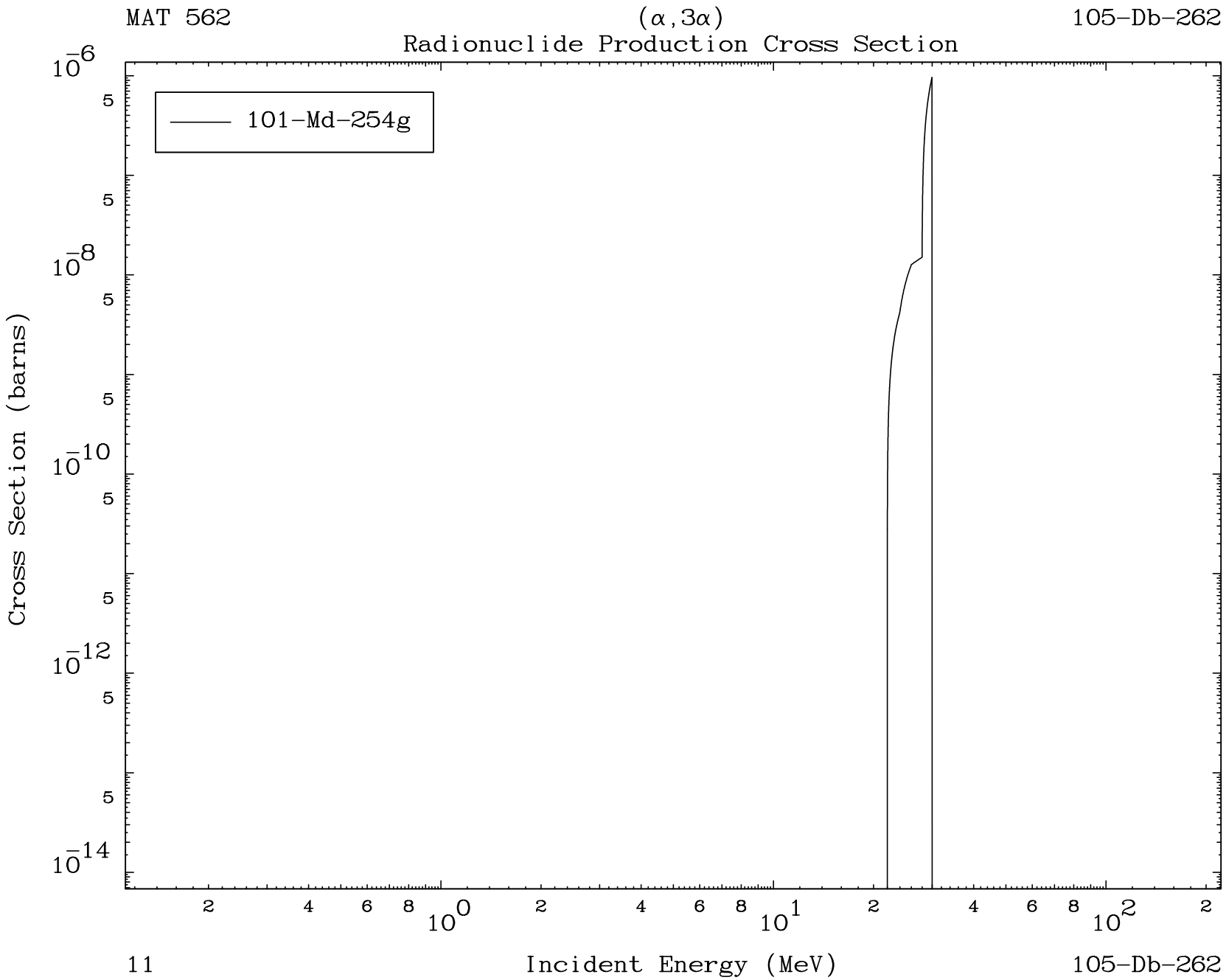


0 Kelvin Cross Sections




MAT 562
α Fission
105-Db-262
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
105-Db-262


MAT 562
(α,p)
105-Db-262
Radionuclide Production Cross Section
106-Sg-265g
106-Sg-265m1
Cross Section (barns)
10
Incident Energy (MeV)
105-Db-262


MAT 562
(α,3α)
105-Db-262
Radionuclide Production Cross Section
101-Md-254g
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^-14
10^0
10^1
10^2
Incident Energy (MeV)
11
105-Db-262