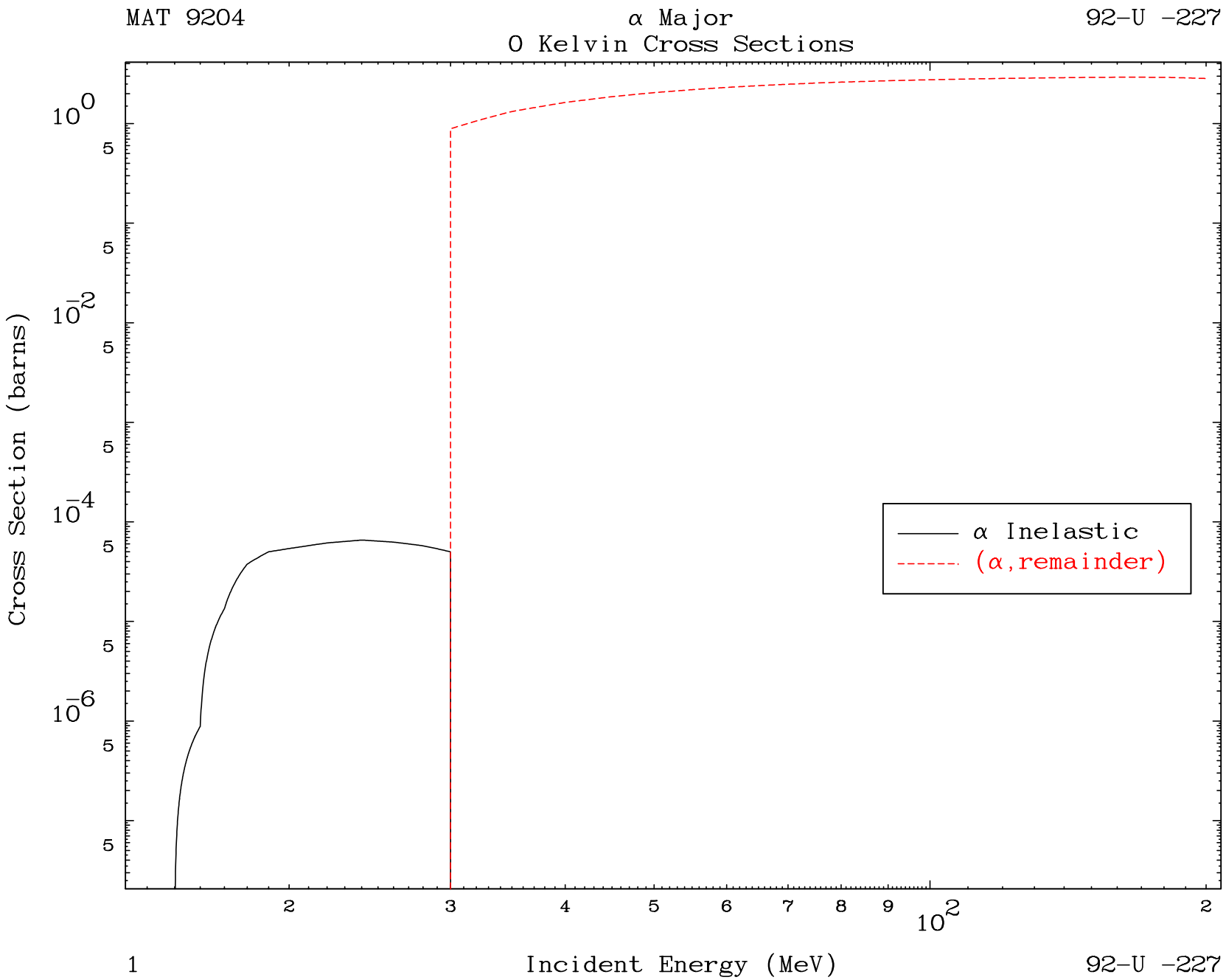
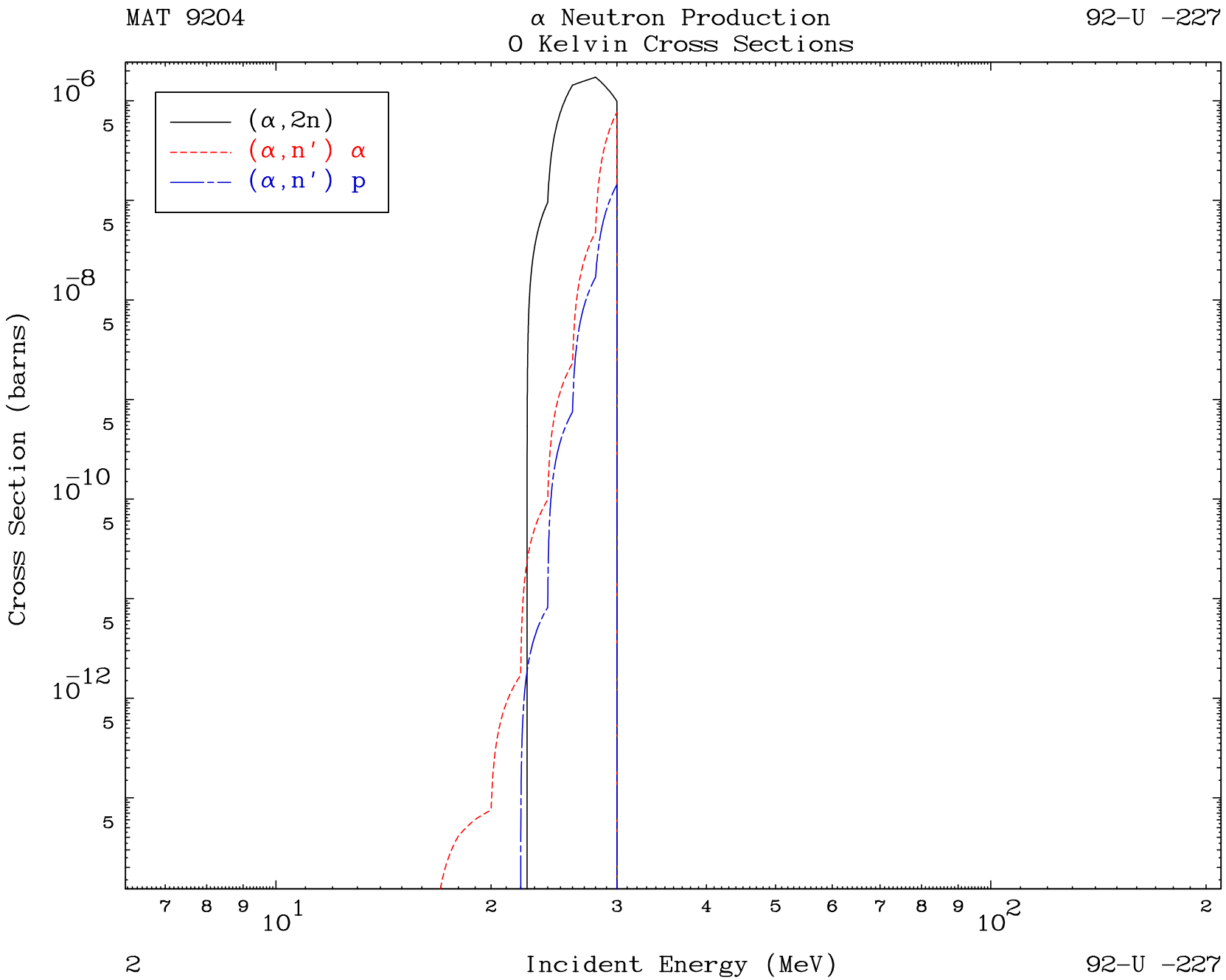
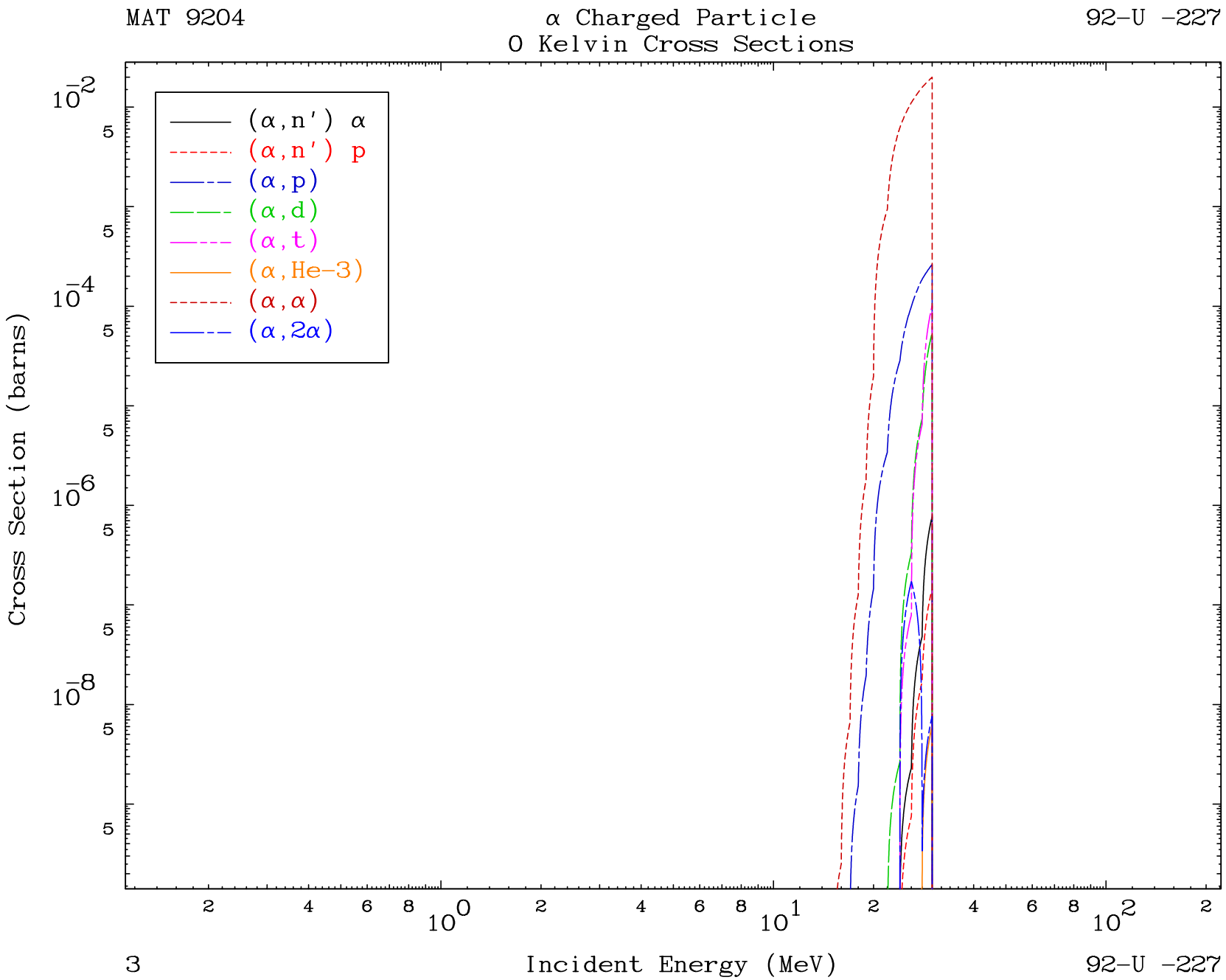
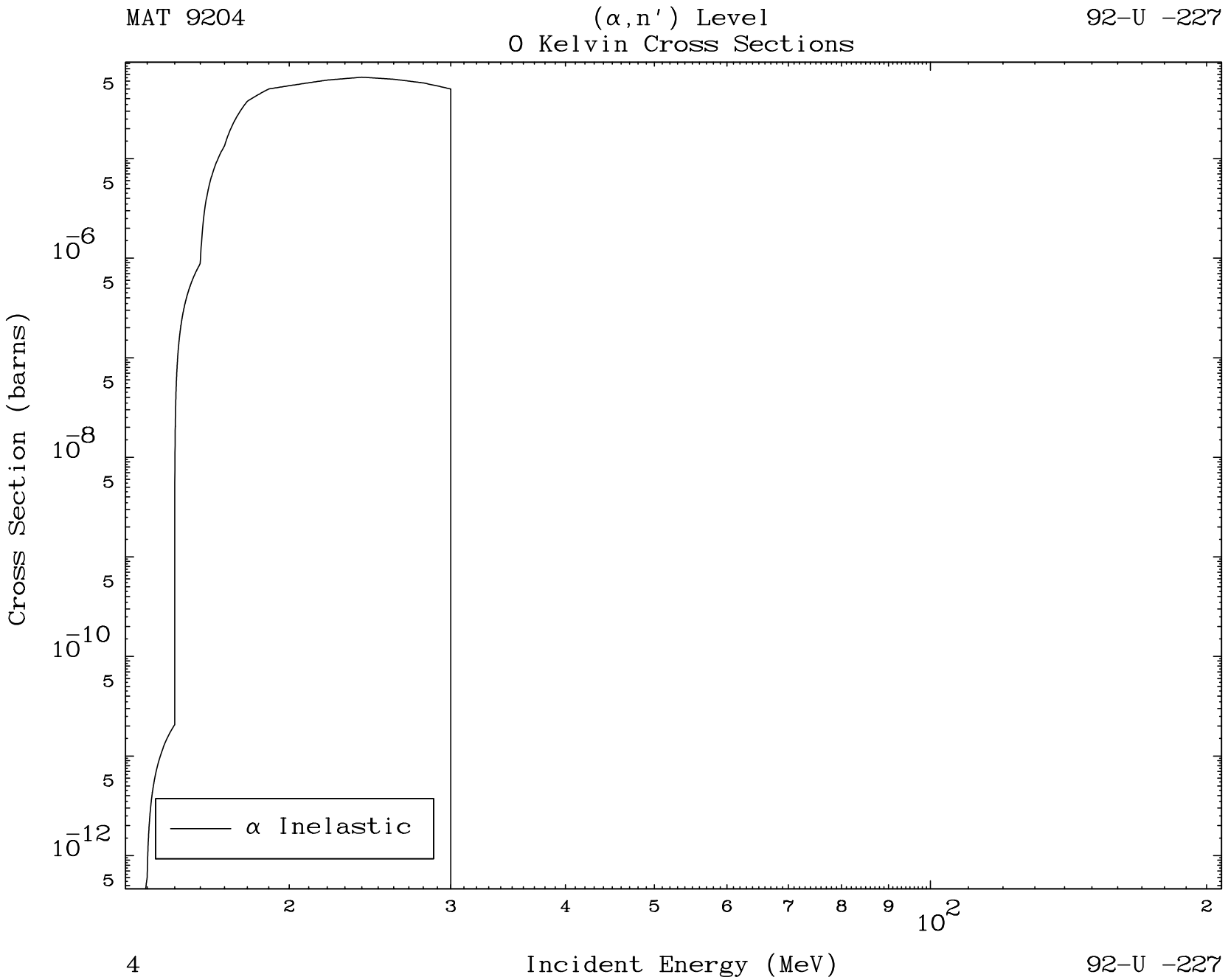
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

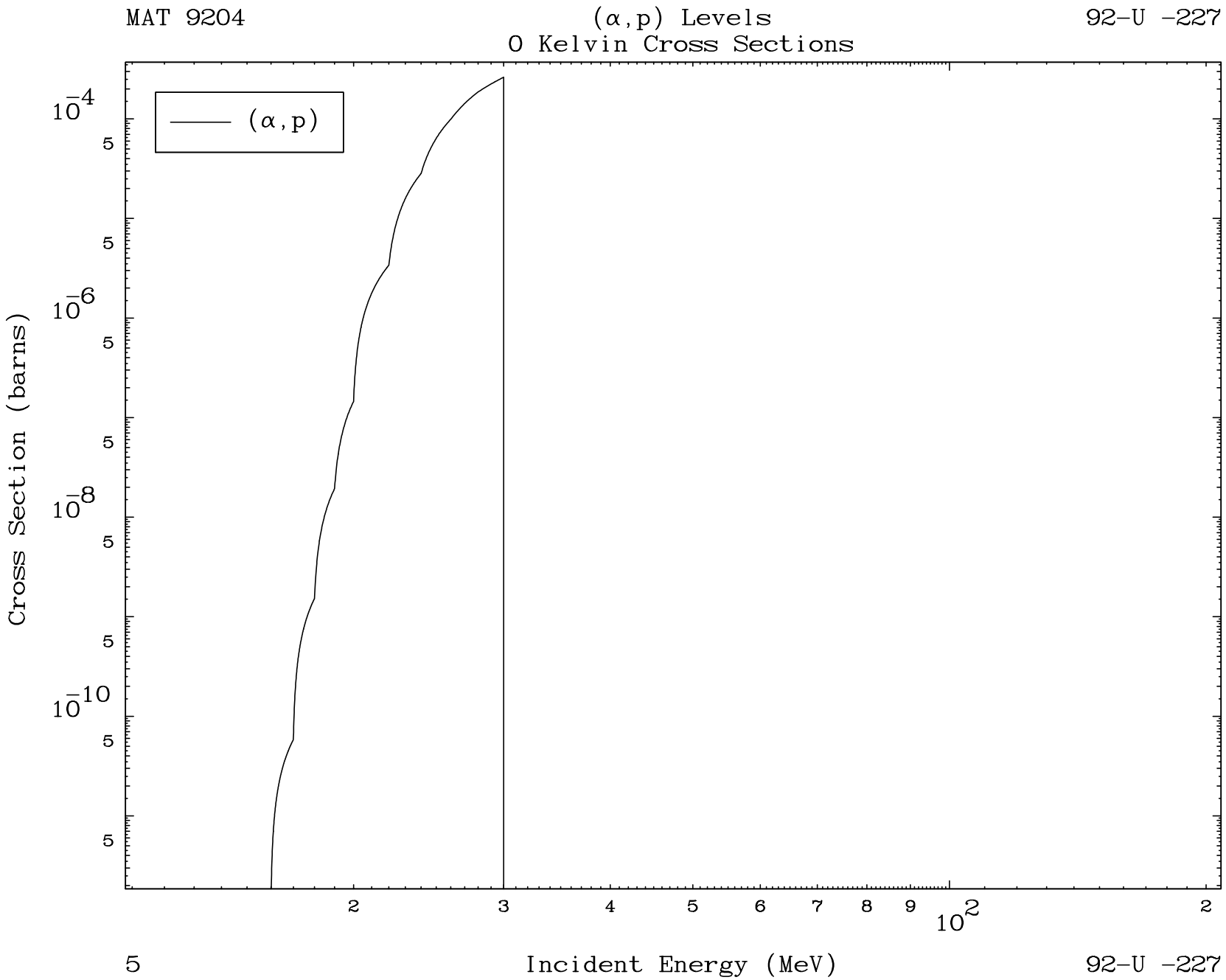
Press Mouse Button to Start


MAT 9204
α Major
92-U -227
0 Kelvin Cross Sections
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
2
3
4
6
7
8
9
10^2
1
Incident Energy (MeV)
92-U -227
α Inelastic
(α,remainder)

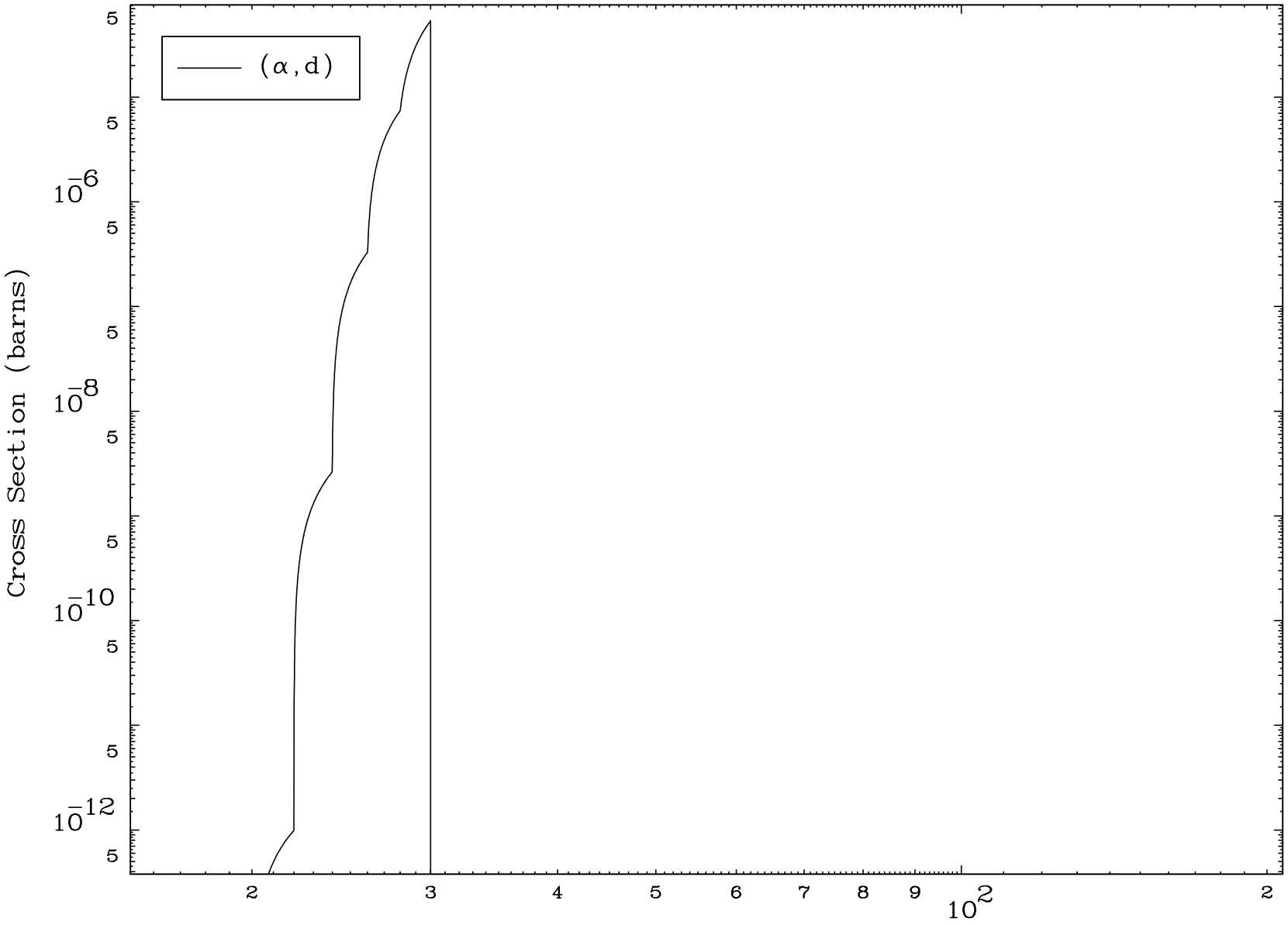

MAT 9204
α Neutron Production
0 Kelvin Cross Sections
92-U -227
(α,2n)
(α,n') α
(α,n') p
Cross Section (barns)
Incident Energy (MeV)
92-U -227
2

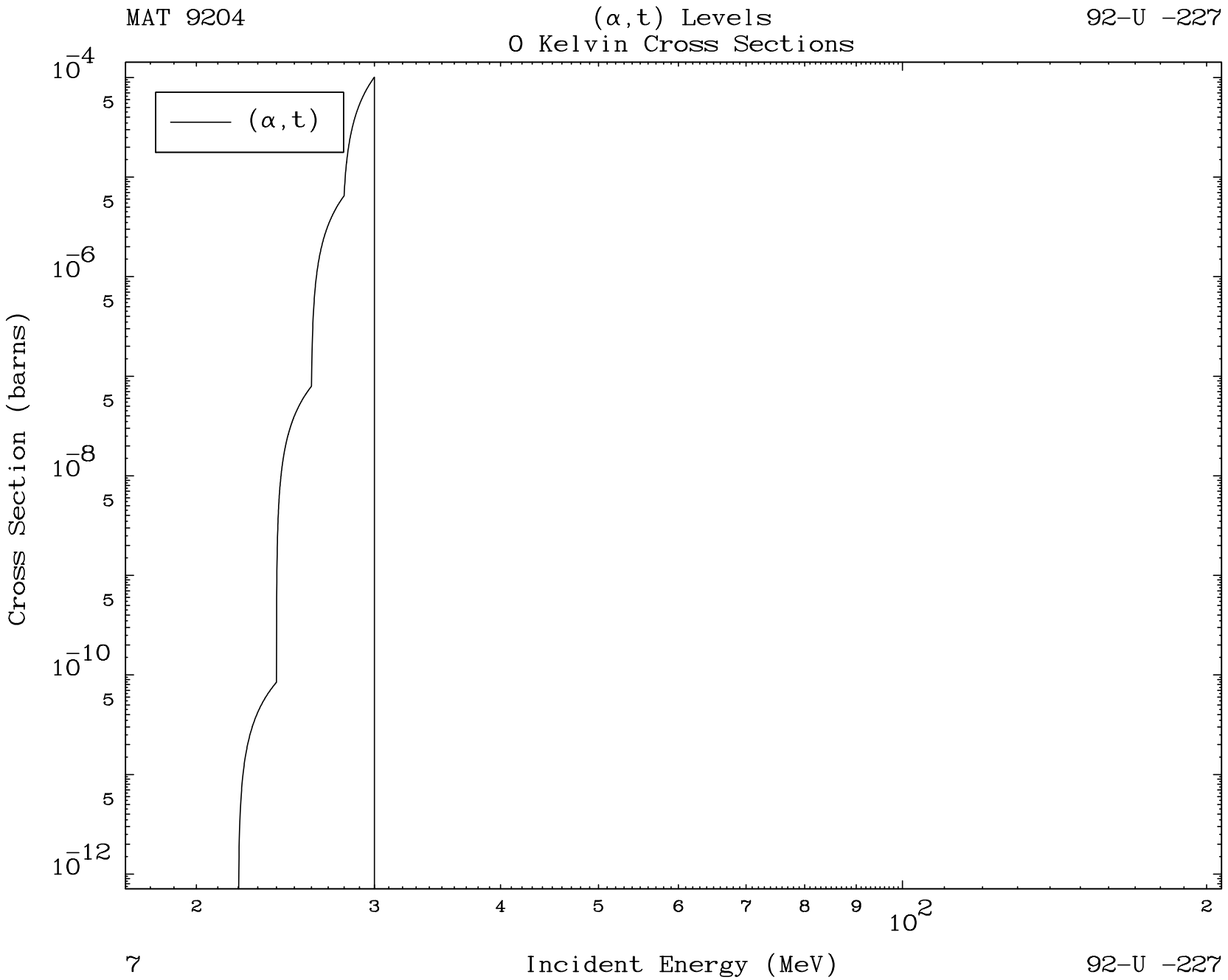

MAT 9204
α Charged Particle
0 Kelvin Cross Sections
92-U -227
(α,n') α
(α,n') p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
Cross Section (barns)
Incident Energy (MeV)
3
92-U -227


MAT 9204
(α,n') Level
92-U -227
0 Kelvin Cross Sections
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
α Inelastic
4
Incident Energy (MeV)
92-U -227

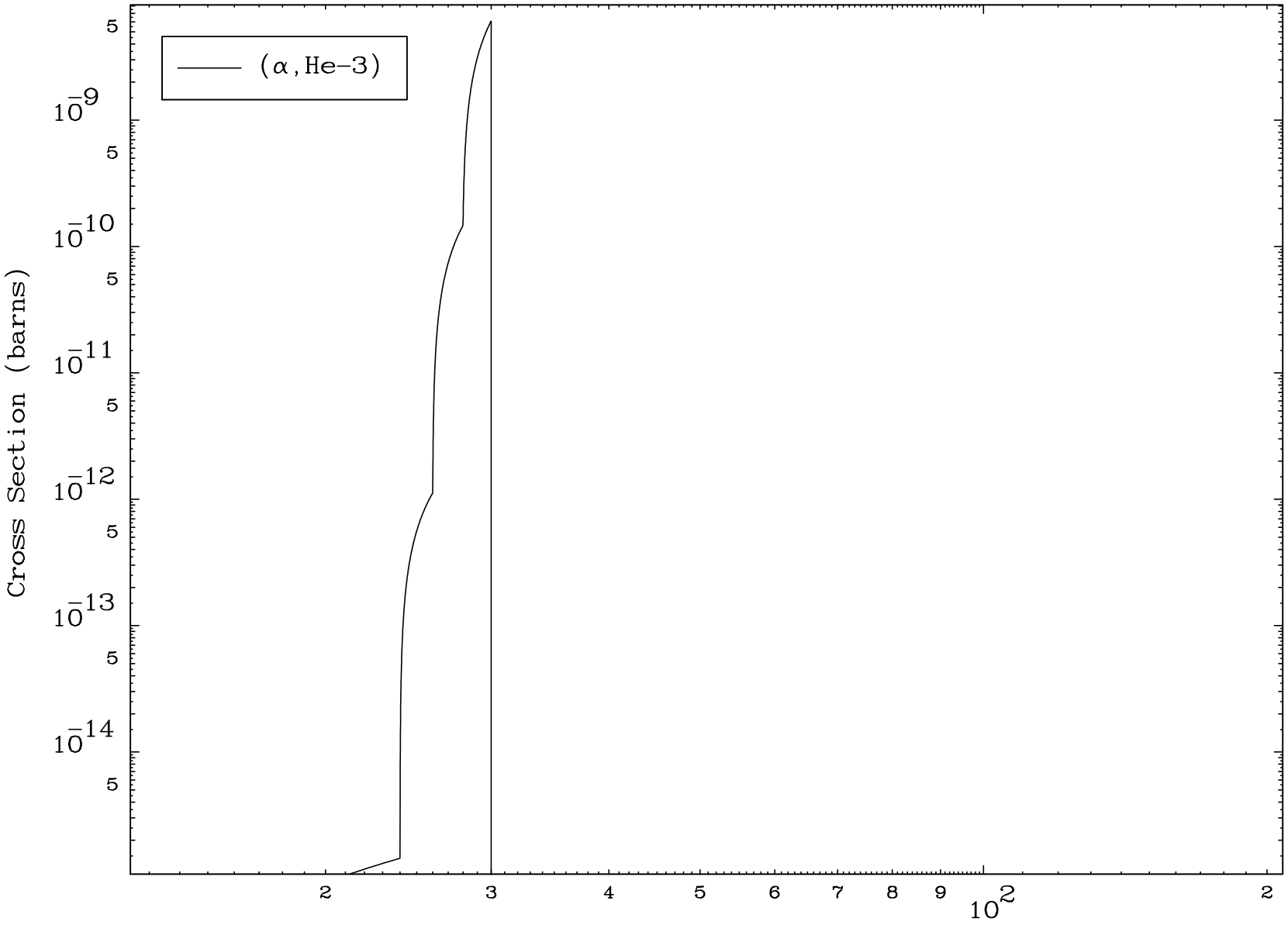

MAT 9204
(α,p) Levels
92-U -227
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
92-U -227

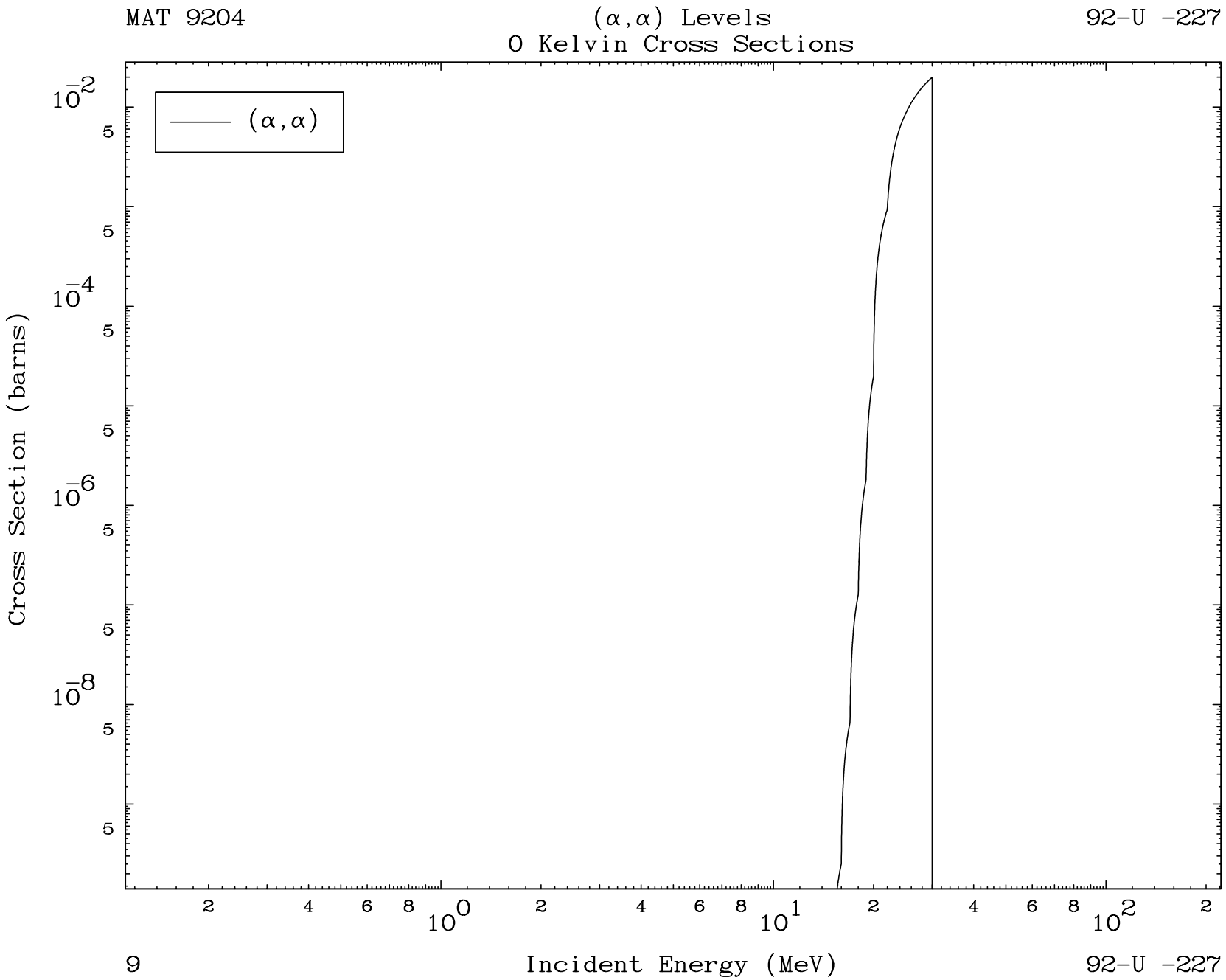
0 Kelvin Cross Sections

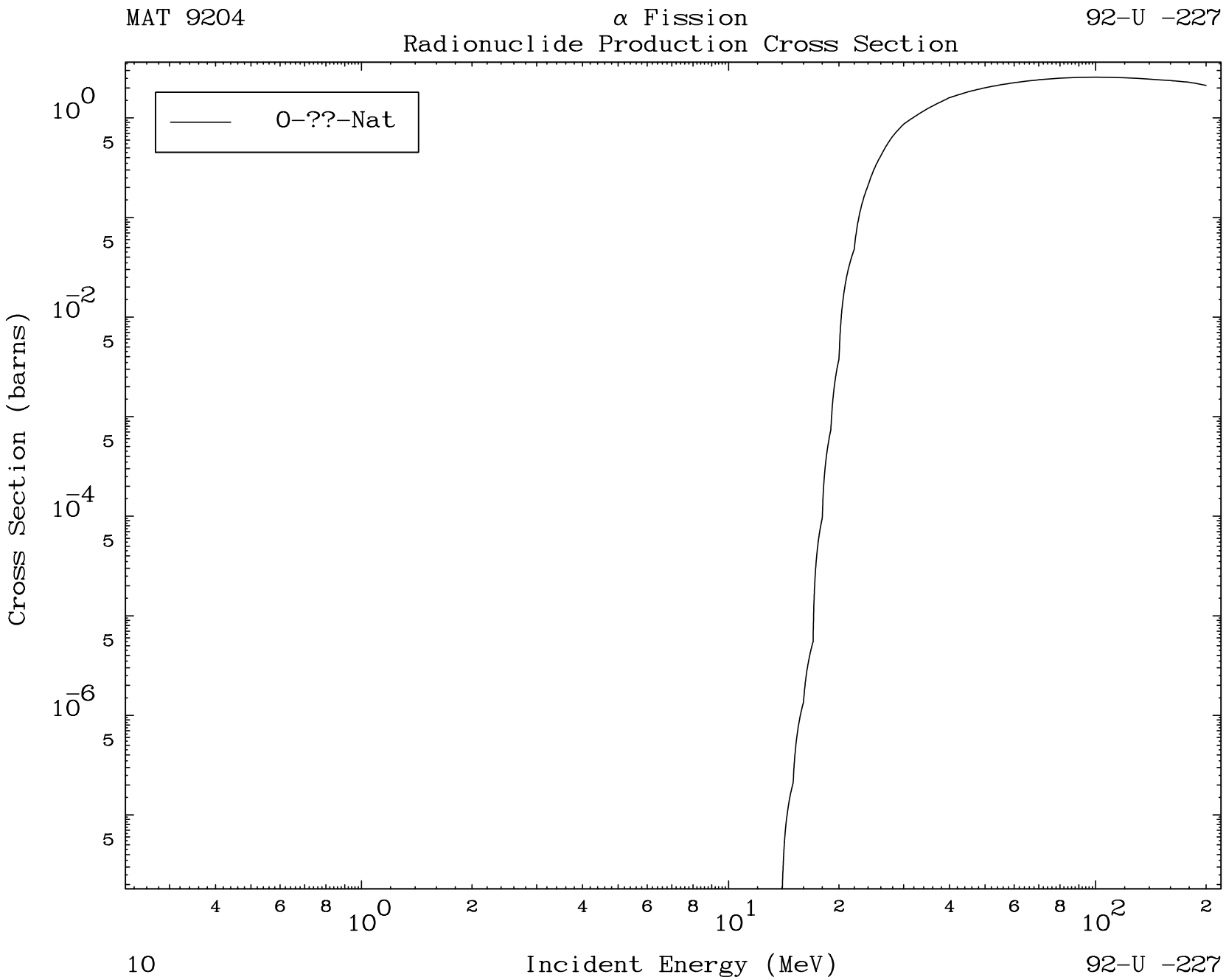



MAT 9204
(α,t) Levels
92-U -227
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
92-U -227

0 Kelvin Cross Sections




MAT 9204
(α,α) Levels
92-U -227
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
9
Incident Energy (MeV)
92-U -227


MAT 9204
α Fission
92-U -227
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
92-U -227