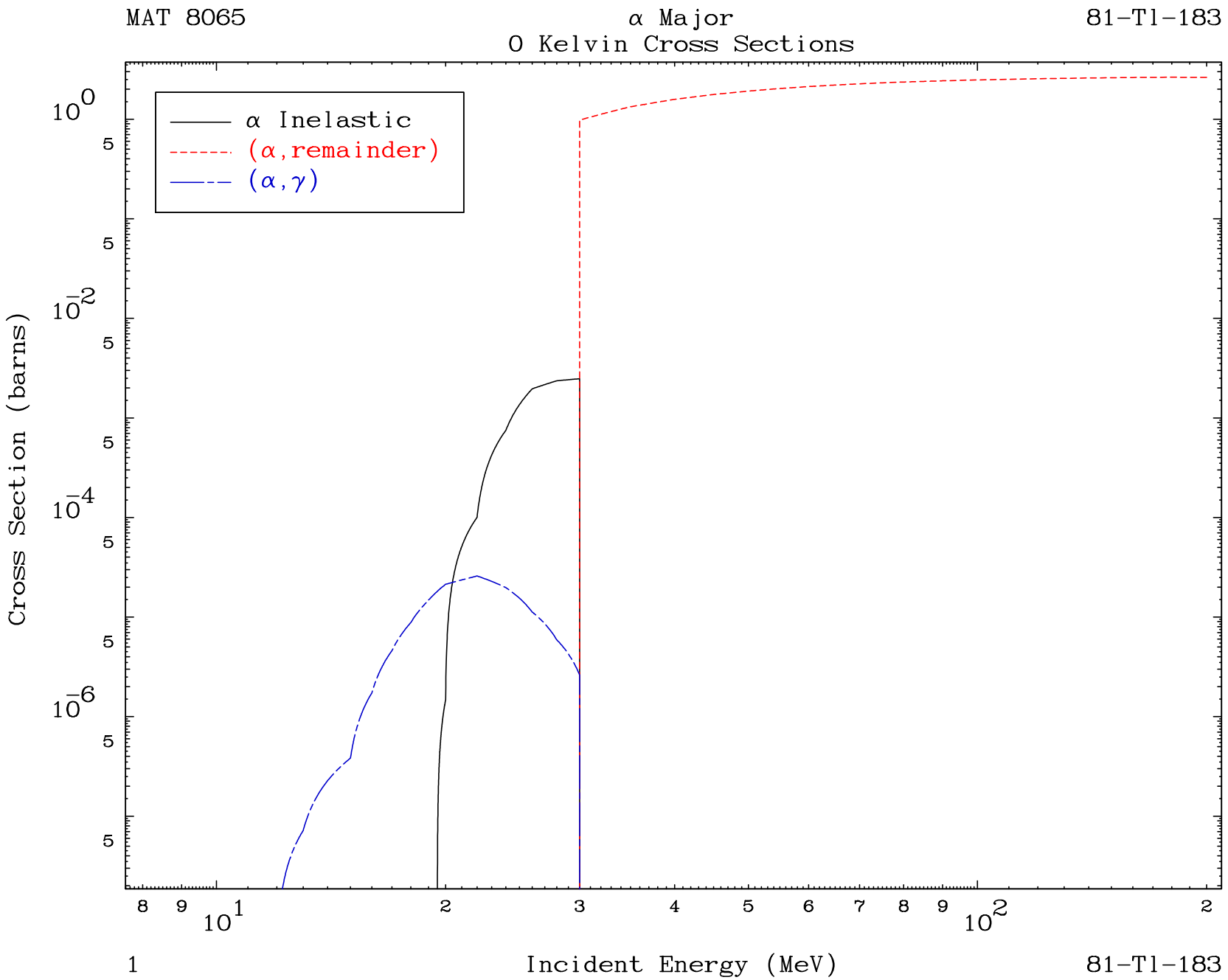
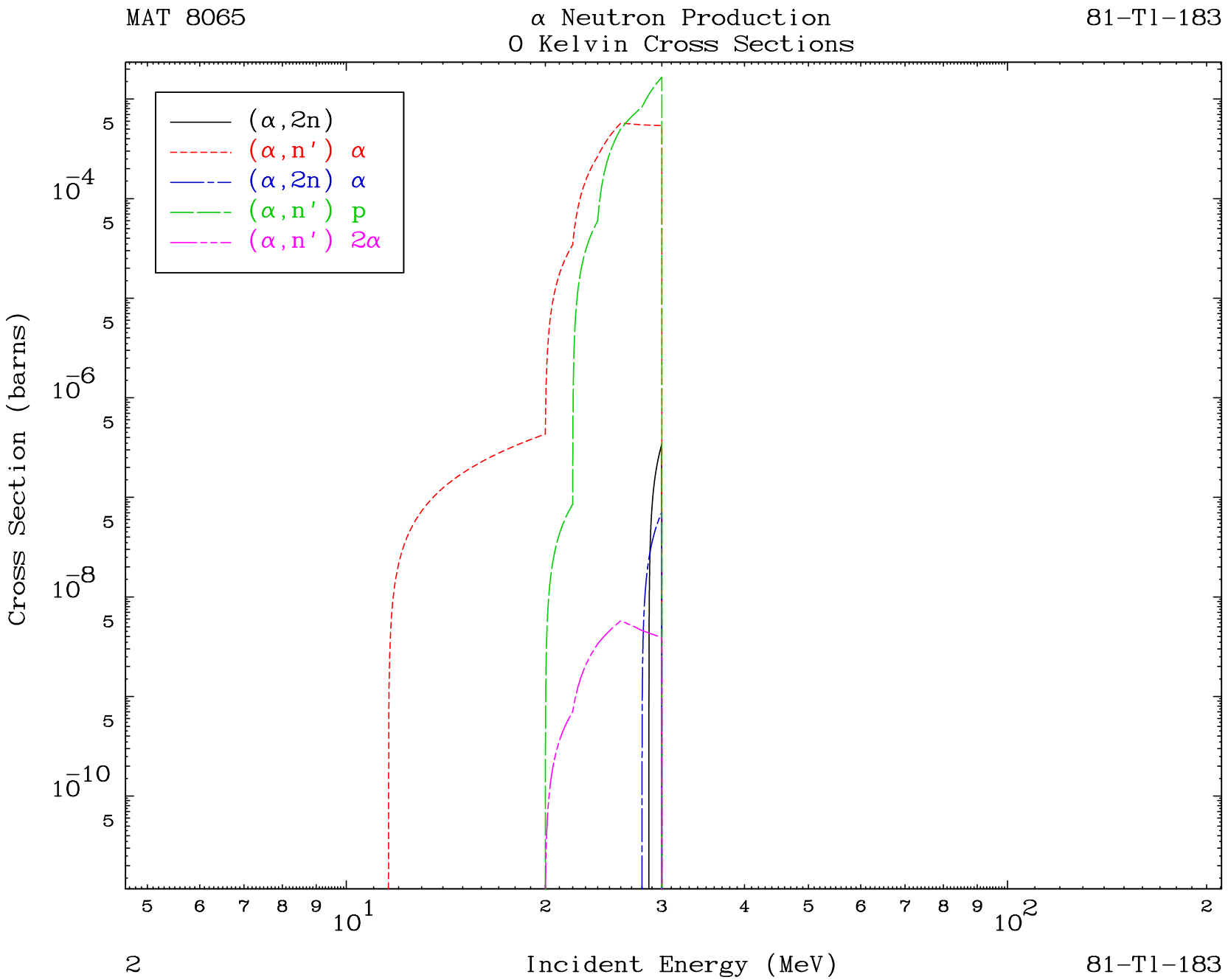
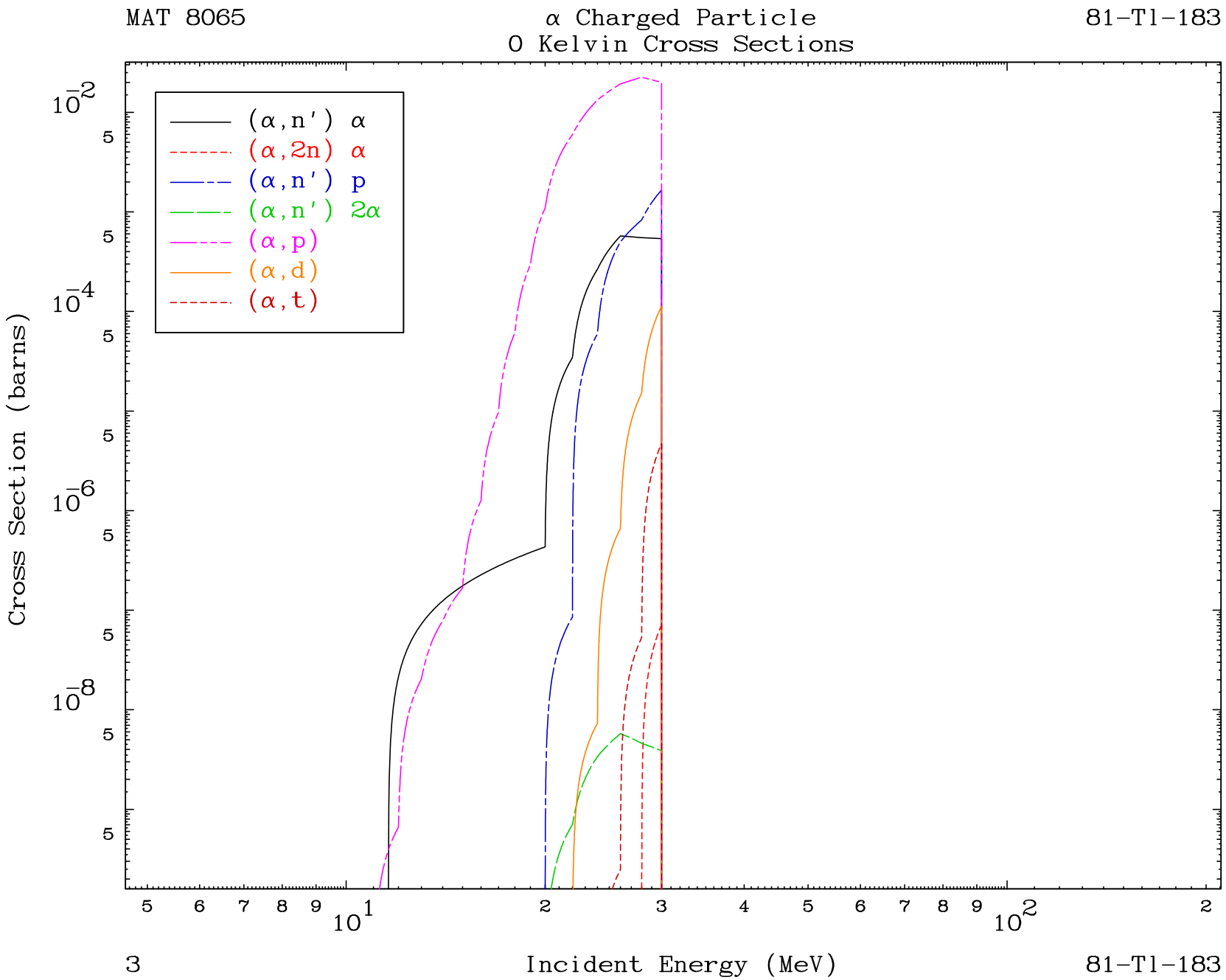
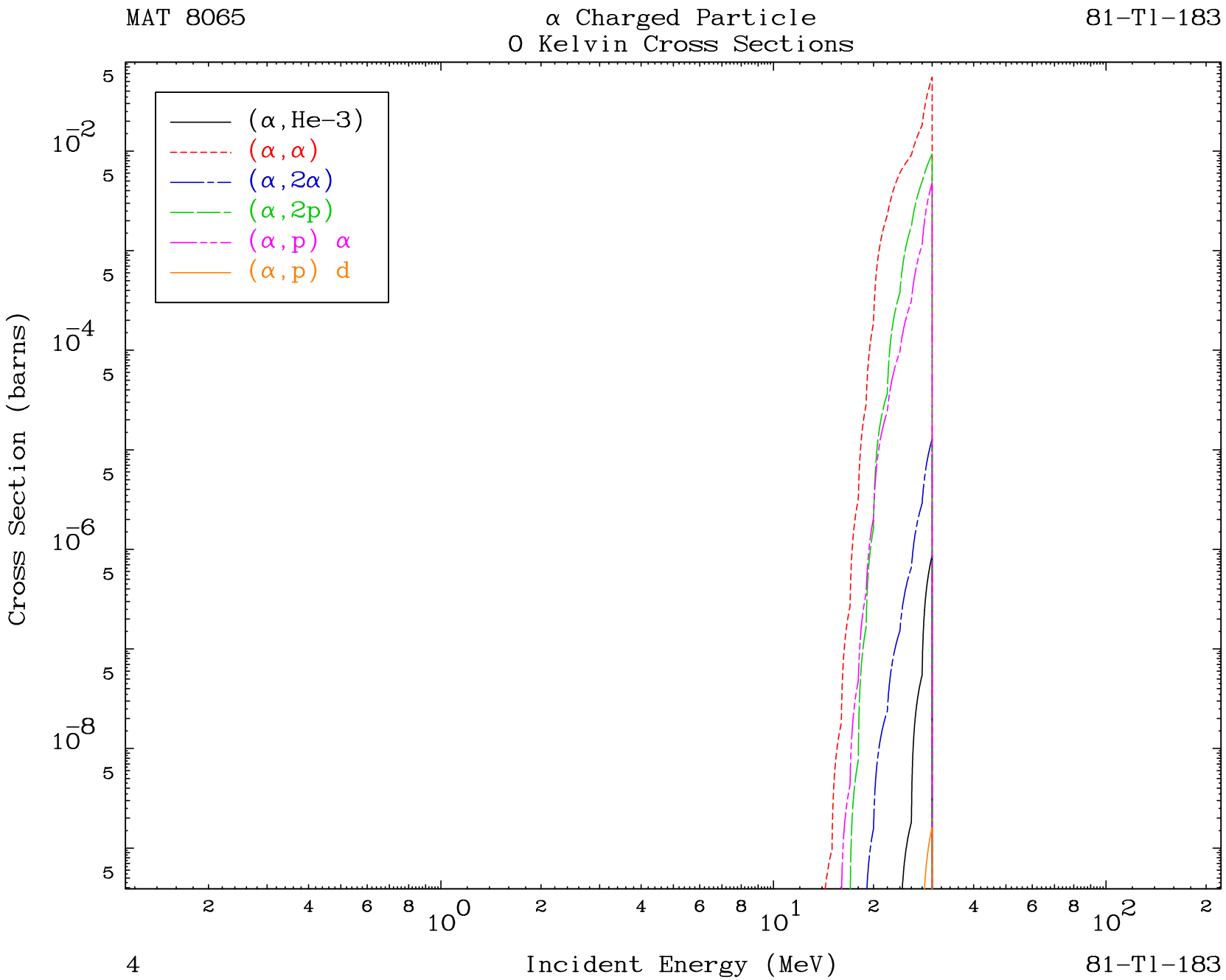
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

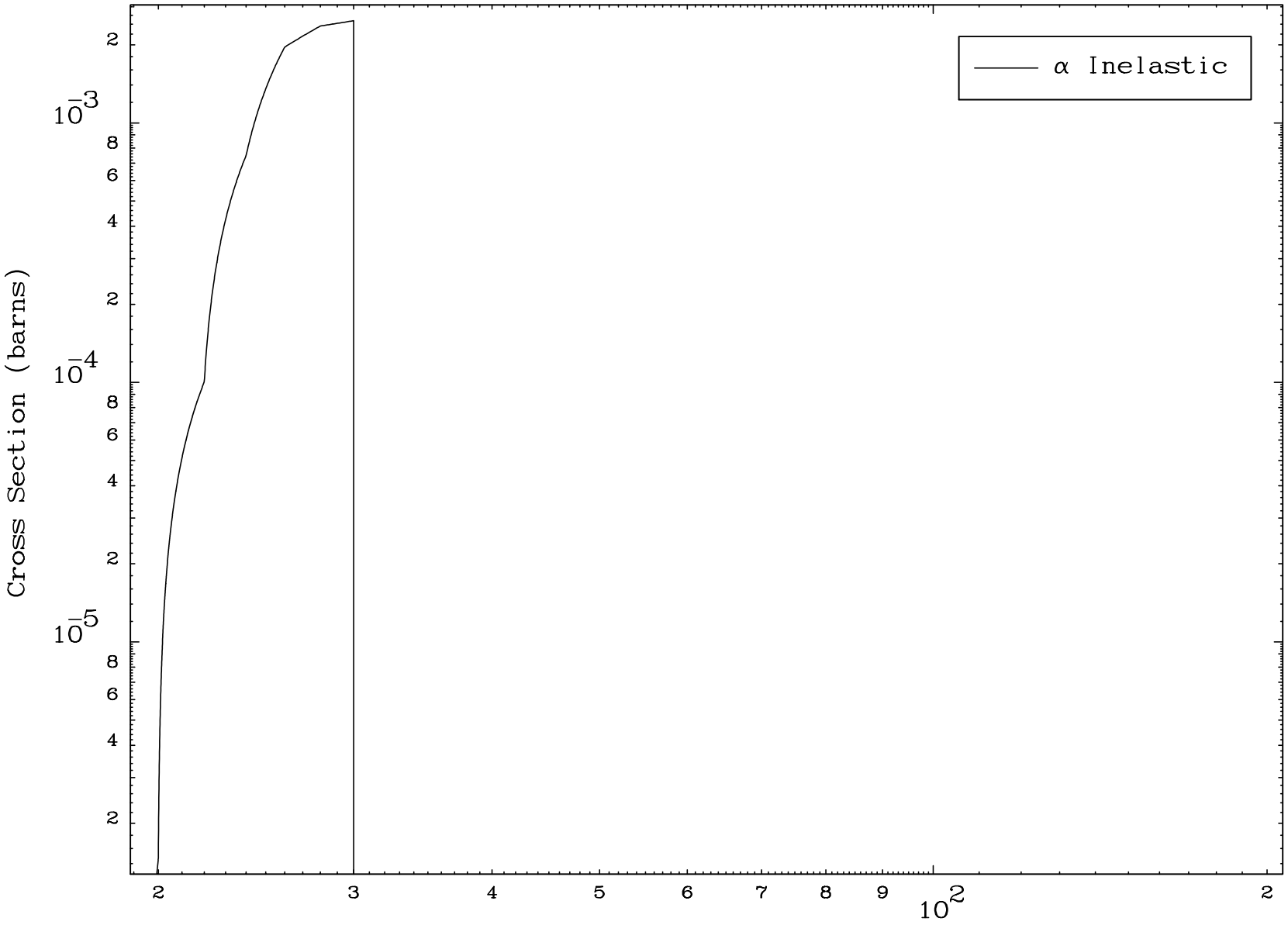

MAT 8065
α Major
81-Tl-183
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-183

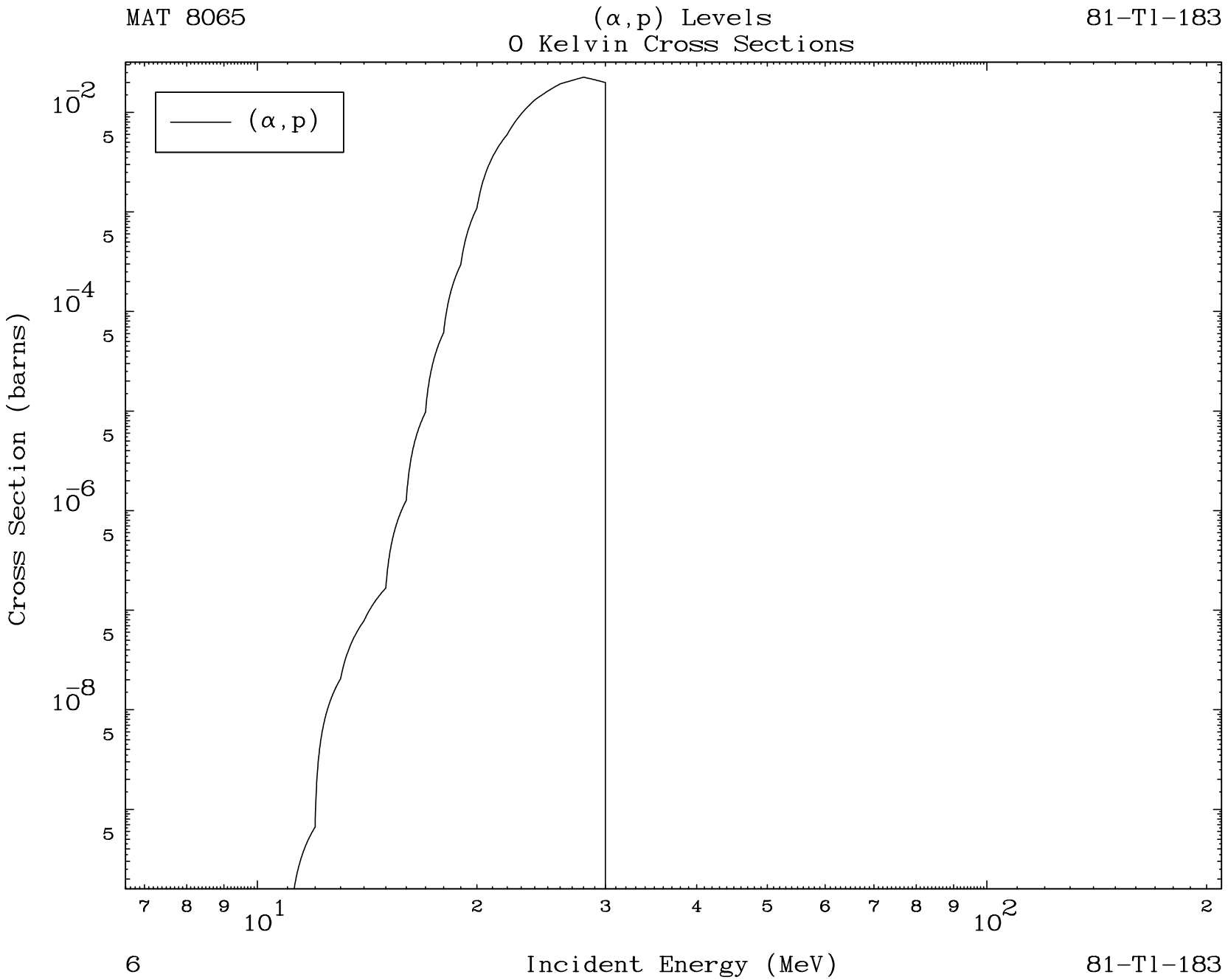

MAT 8065
α Neutron Production
0 Kelvin Cross Sections
81-Tl-183
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
Cross Section (barns)
Incident Energy (MeV)
81-Tl-183

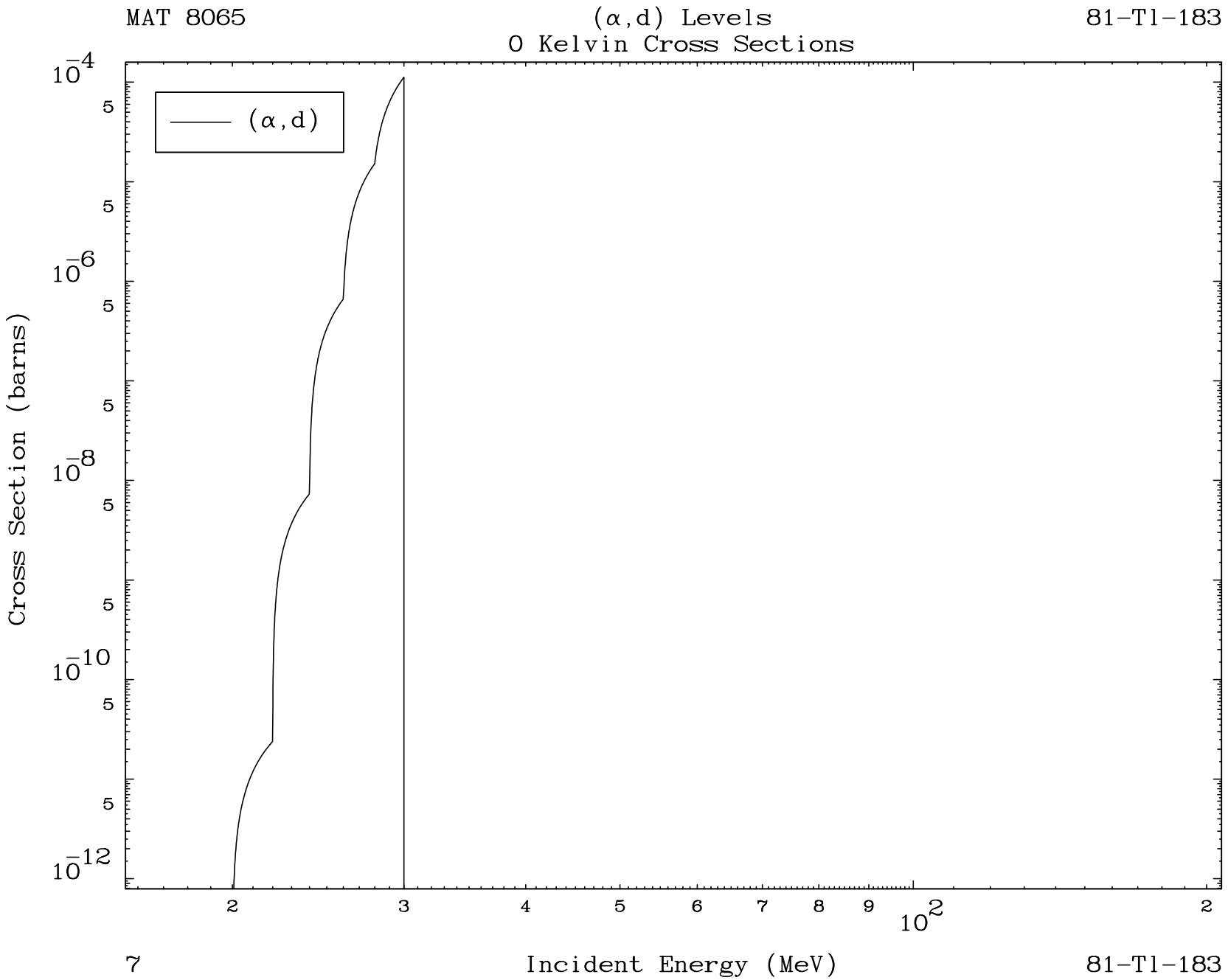

MAT 8065
α Charged Particle
0 Kelvin Cross Sections
81-Tl-183
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,p)
(α,d)
(α,t)
Cross Section (barns)
Incident Energy (MeV)
3
81-Tl-183

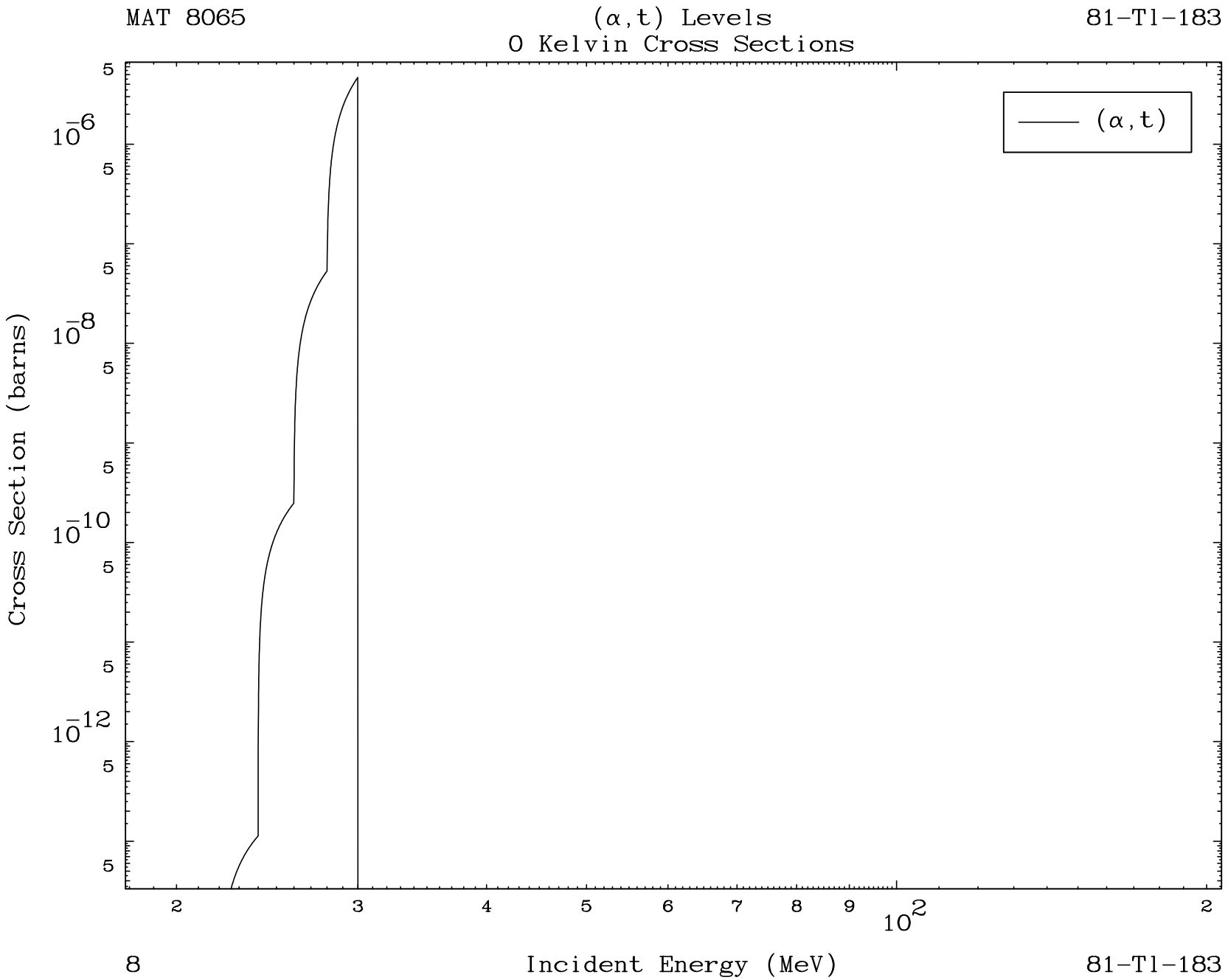

MAT 8065
α Charged Particle
0 Kelvin Cross Sections
81-Tl-183
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
81-Tl-183

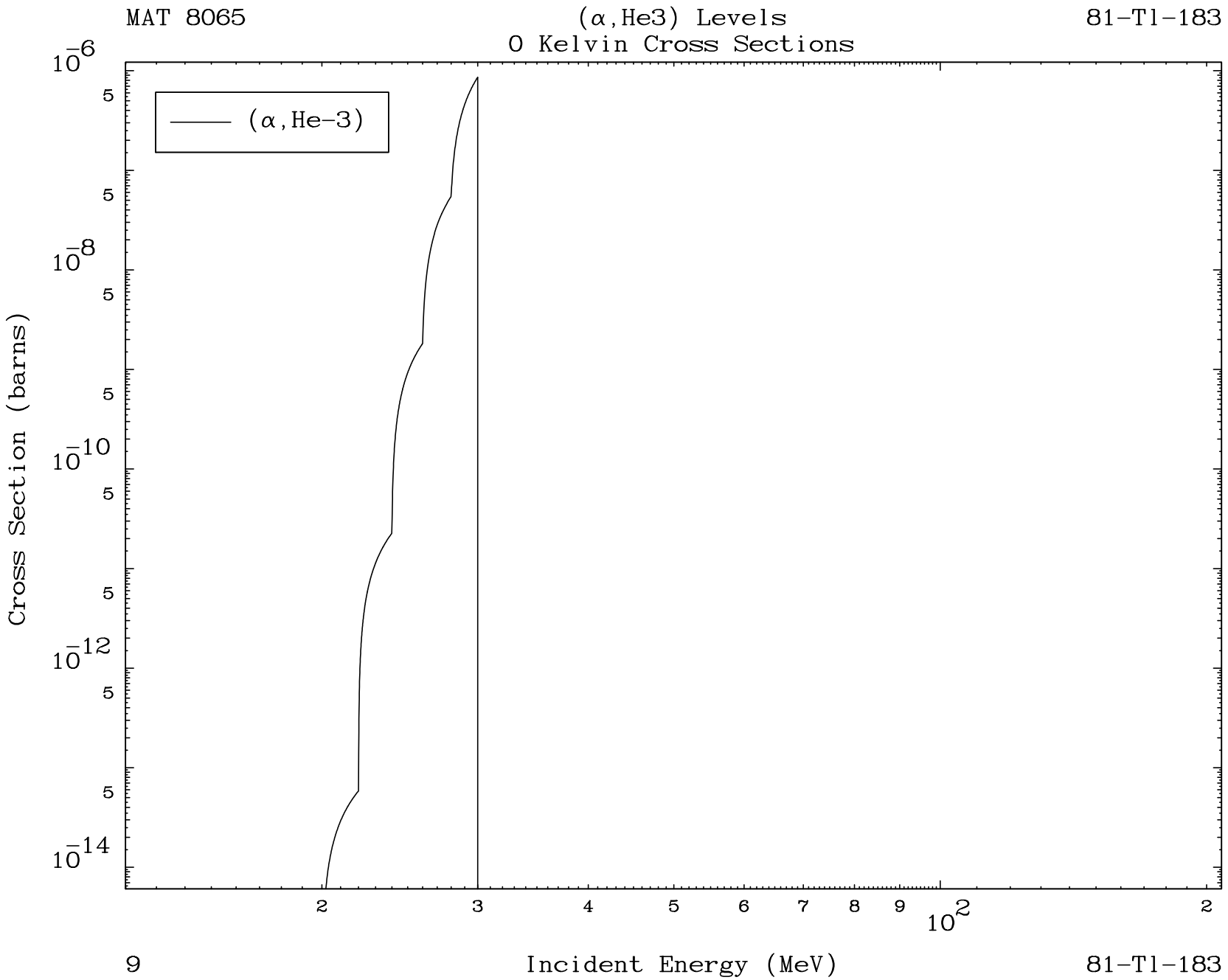
0 Kelvin Cross Sections

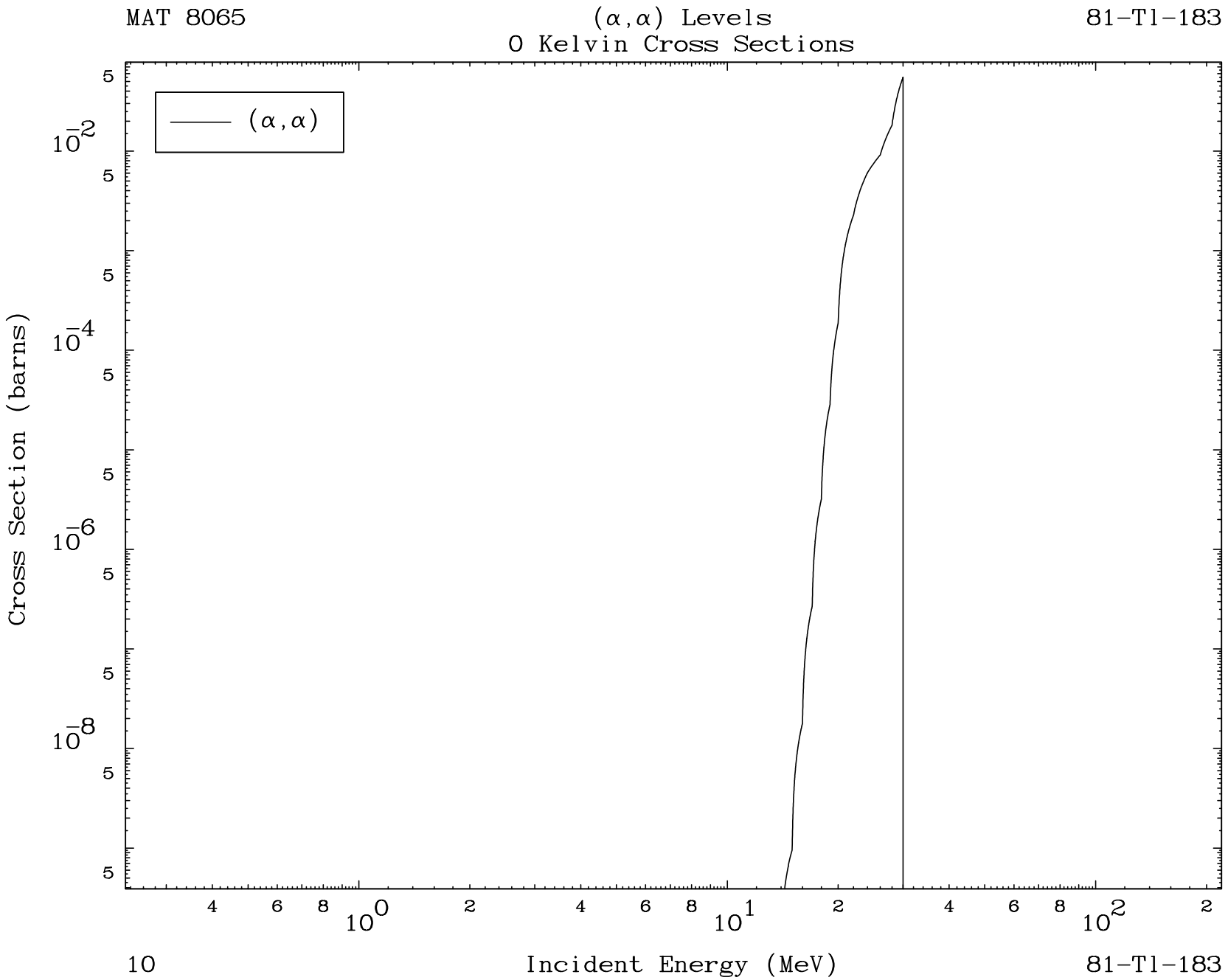


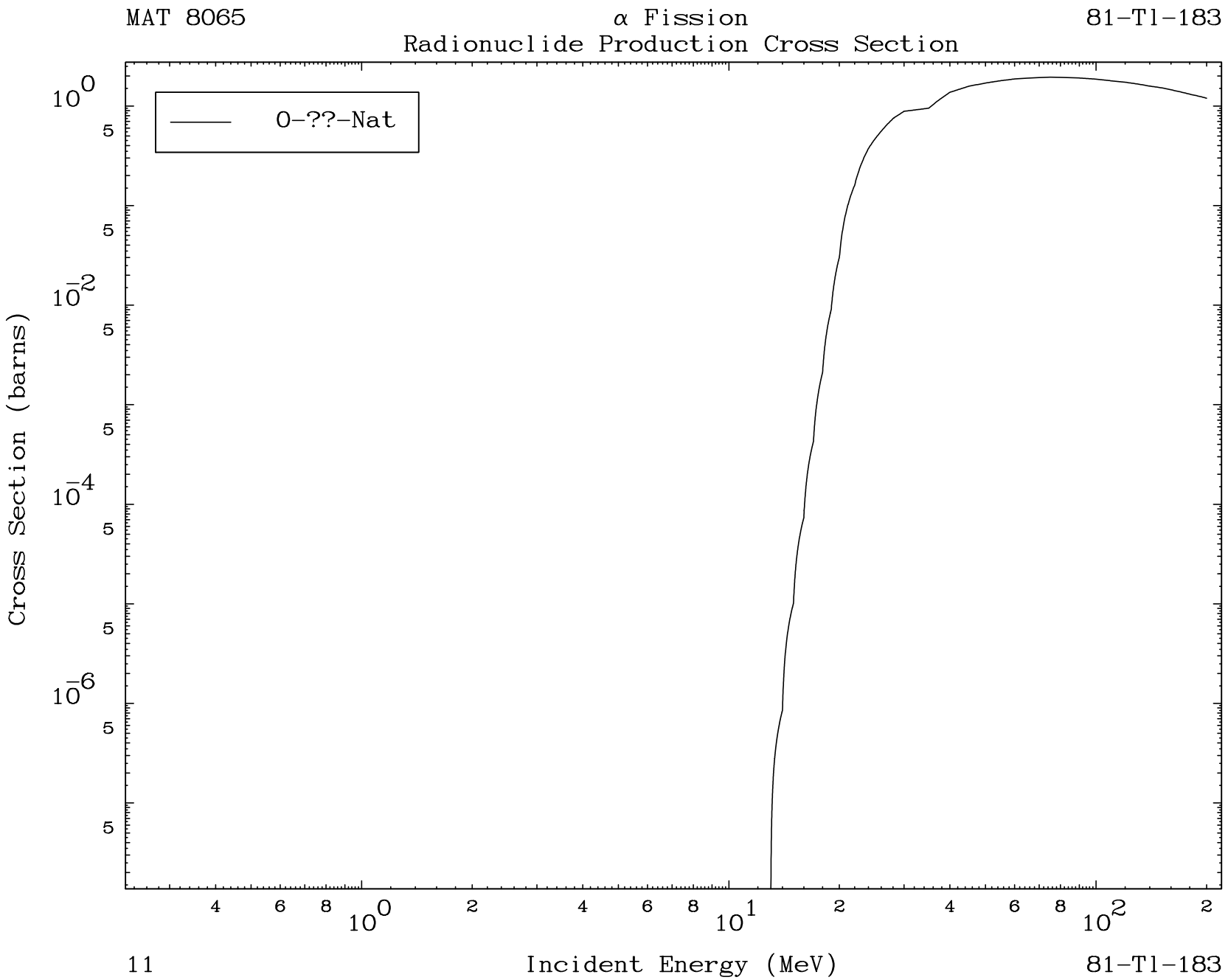

MAT 8065
(α,p) Levels
81-Tl-183
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
6
81-Tl-183

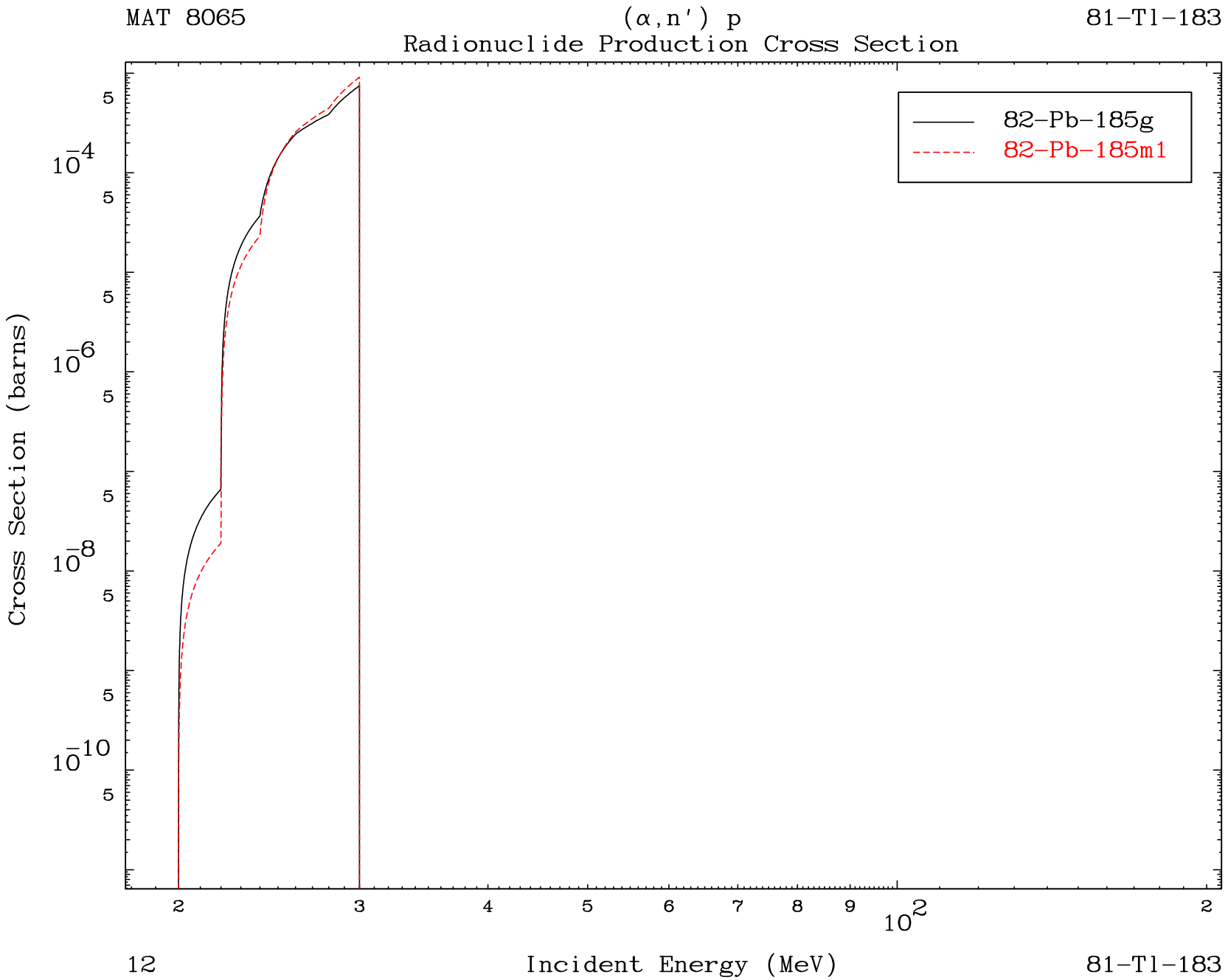

MAT 8065
(α,d) Levels
81-Tl-183
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
81-Tl-183

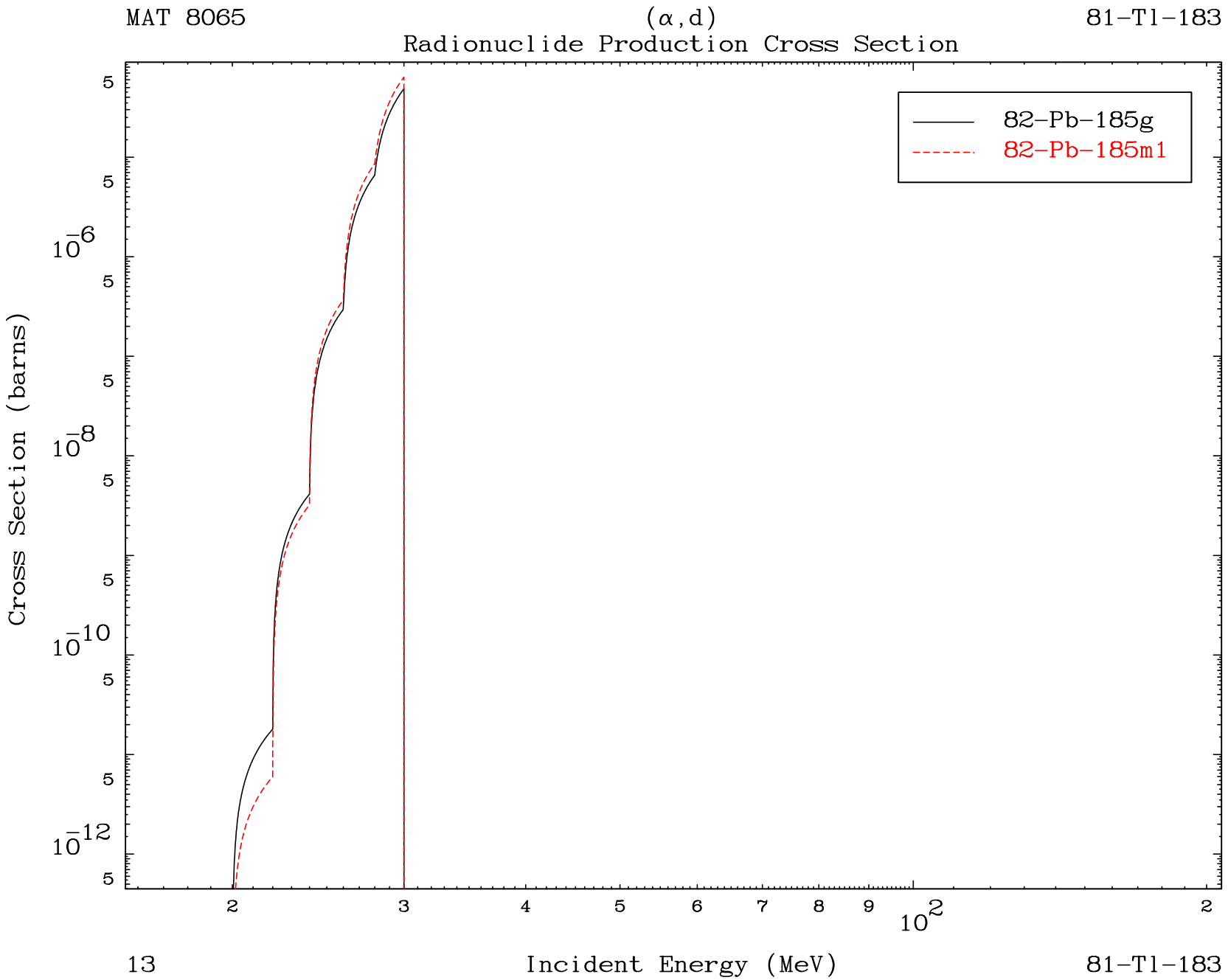

MAT 8065
(α,t) Levels
81-Tl-183
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
8
Incident Energy (MeV)
81-Tl-183

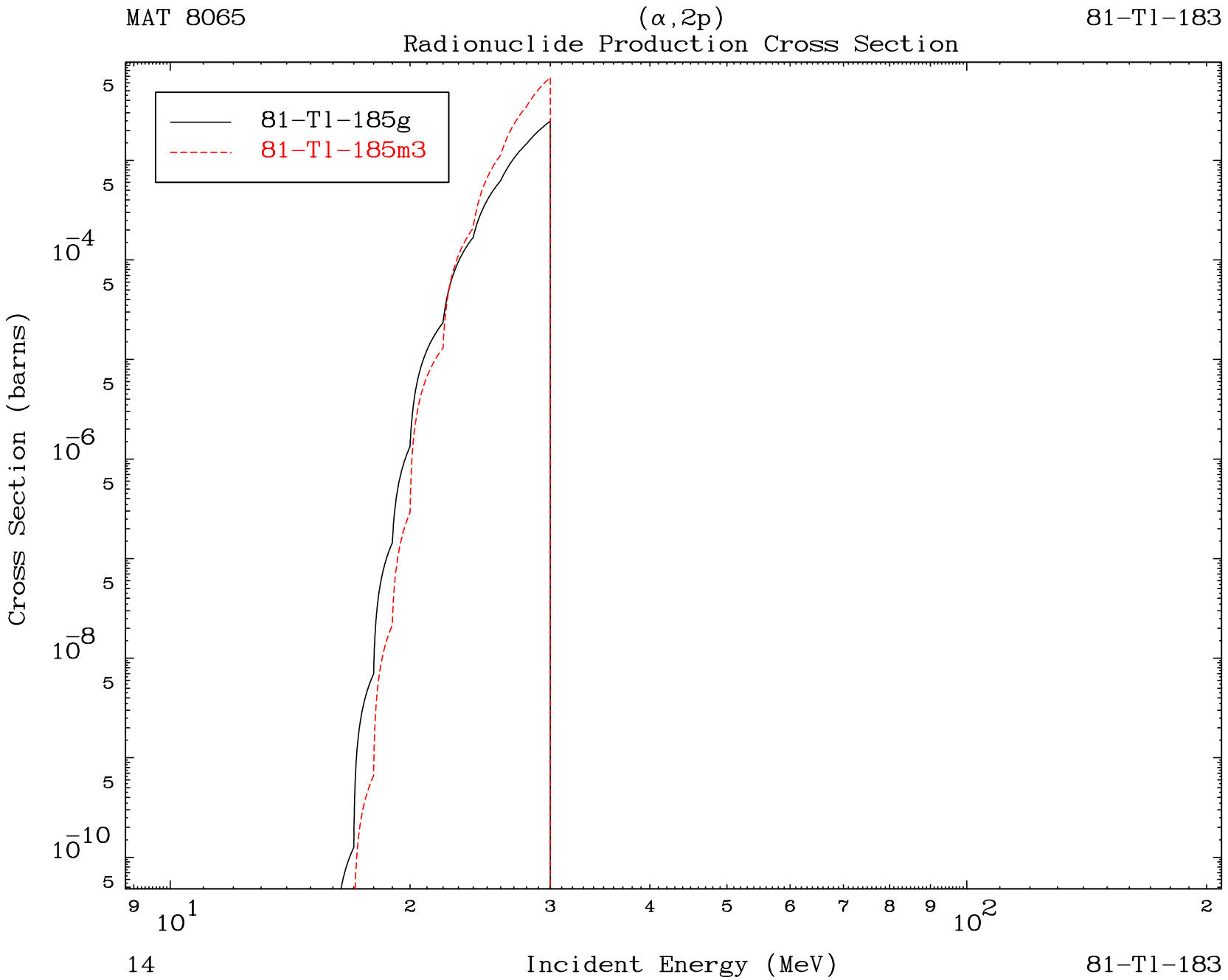

MAT 8065
(α,He3) Levels
81-Tl-183
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-6
5
10^-8
5
10^-10
5
10^-12
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
81-Tl-183


MAT 8065
(α,α) Levels
81-Tl-183
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-183
10


MAT 8065
α Fission
81-Tl-183
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
11
81-Tl-183


MAT 8065
(α,n') p
81-Tl-183
Radionuclide Production Cross Section
82-Pb-185g
82-Pb-185m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
81-Tl-183


MAT 8065
(α,d)
81-Tl-183
Radionuclide Production Cross Section
82-Pb-185g
82-Pb-185m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
13
Incident Energy (MeV)
81-Tl-183


MAT 8065
(α,2p)
81-Tl-183
Radionuclide Production Cross Section
81-Tl-185g
81-Tl-185m3
Cross Section (barns)
Incident Energy (MeV)
14
81-Tl-183