Program EVALPLOT
(Version 2018-1)
by
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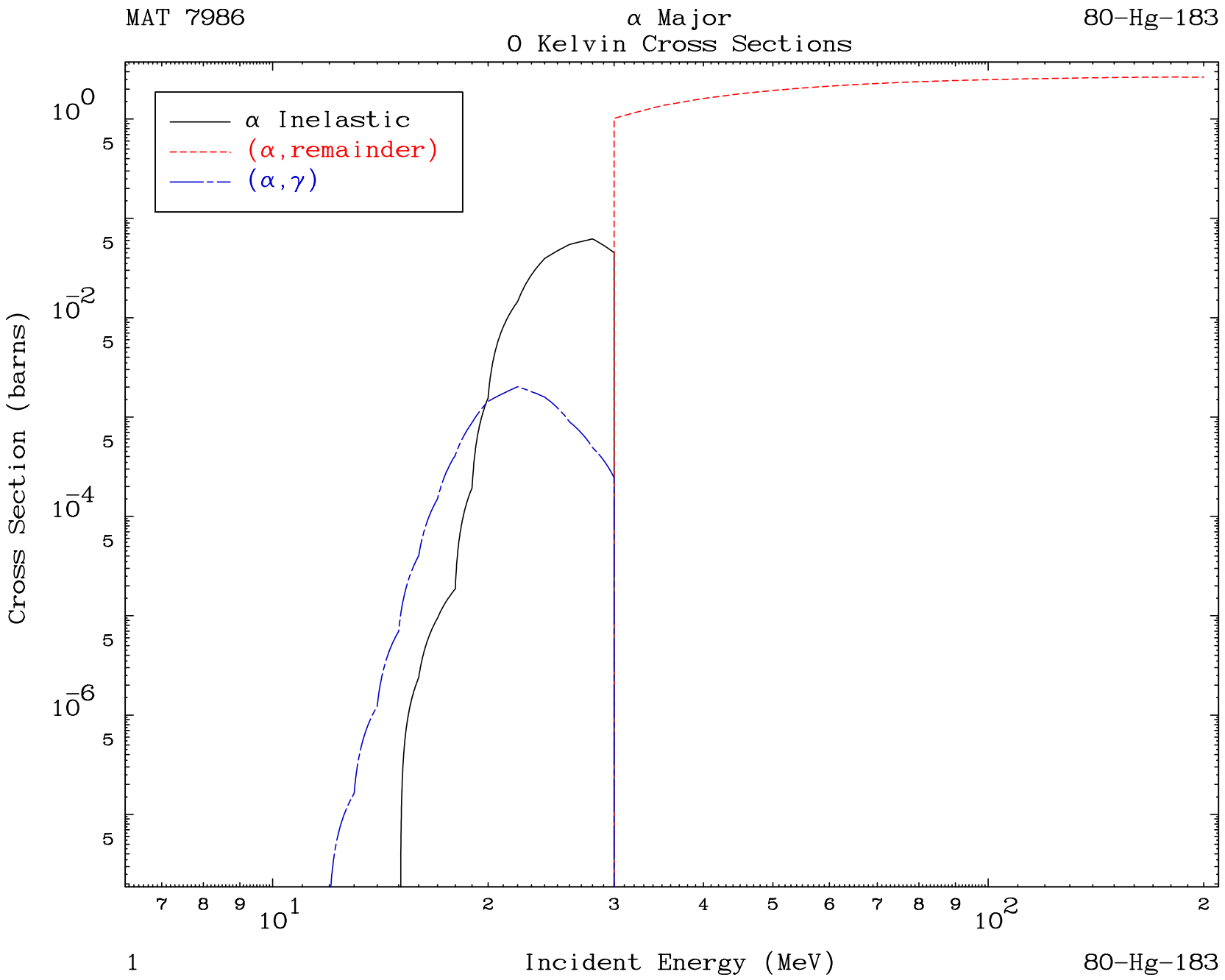
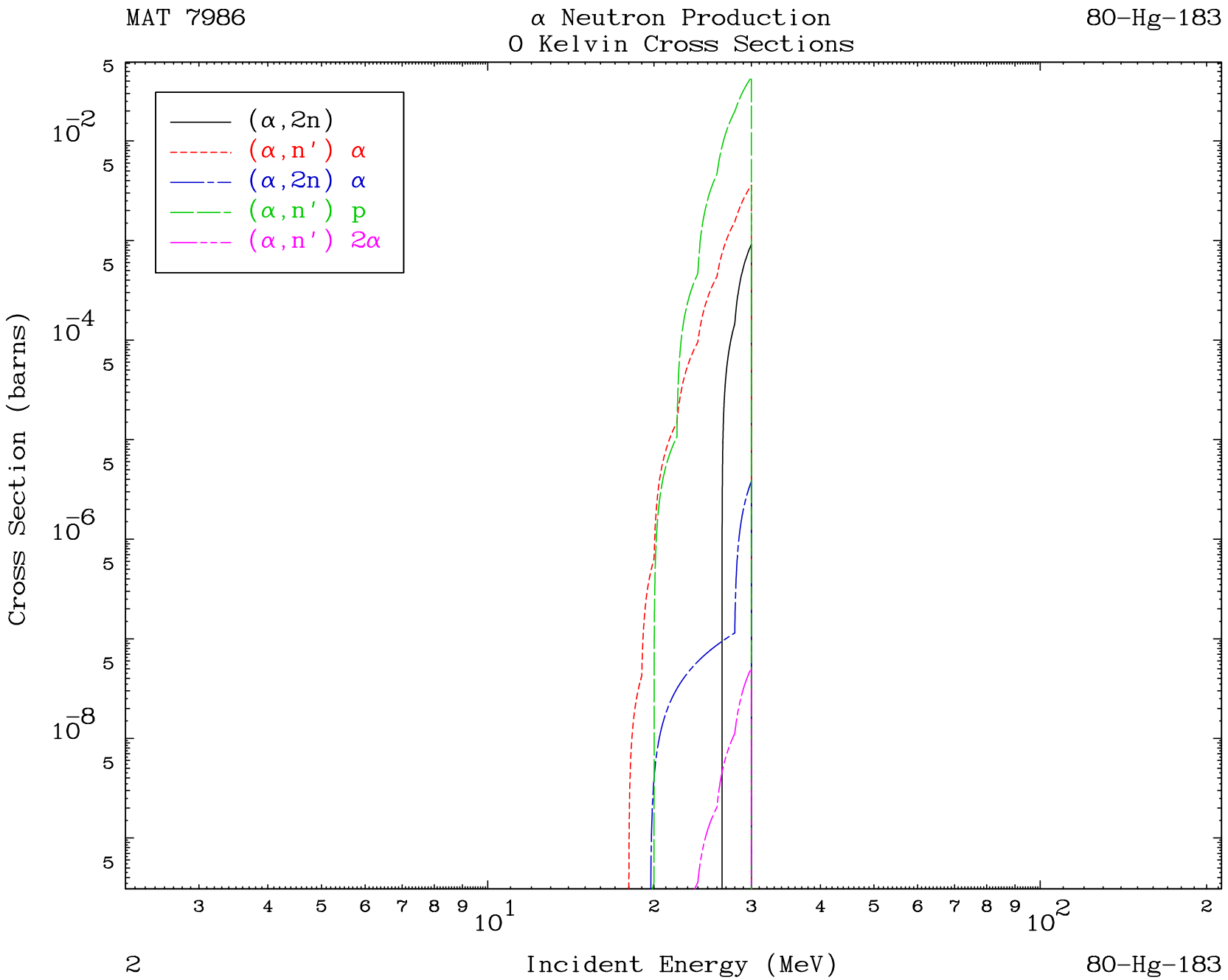
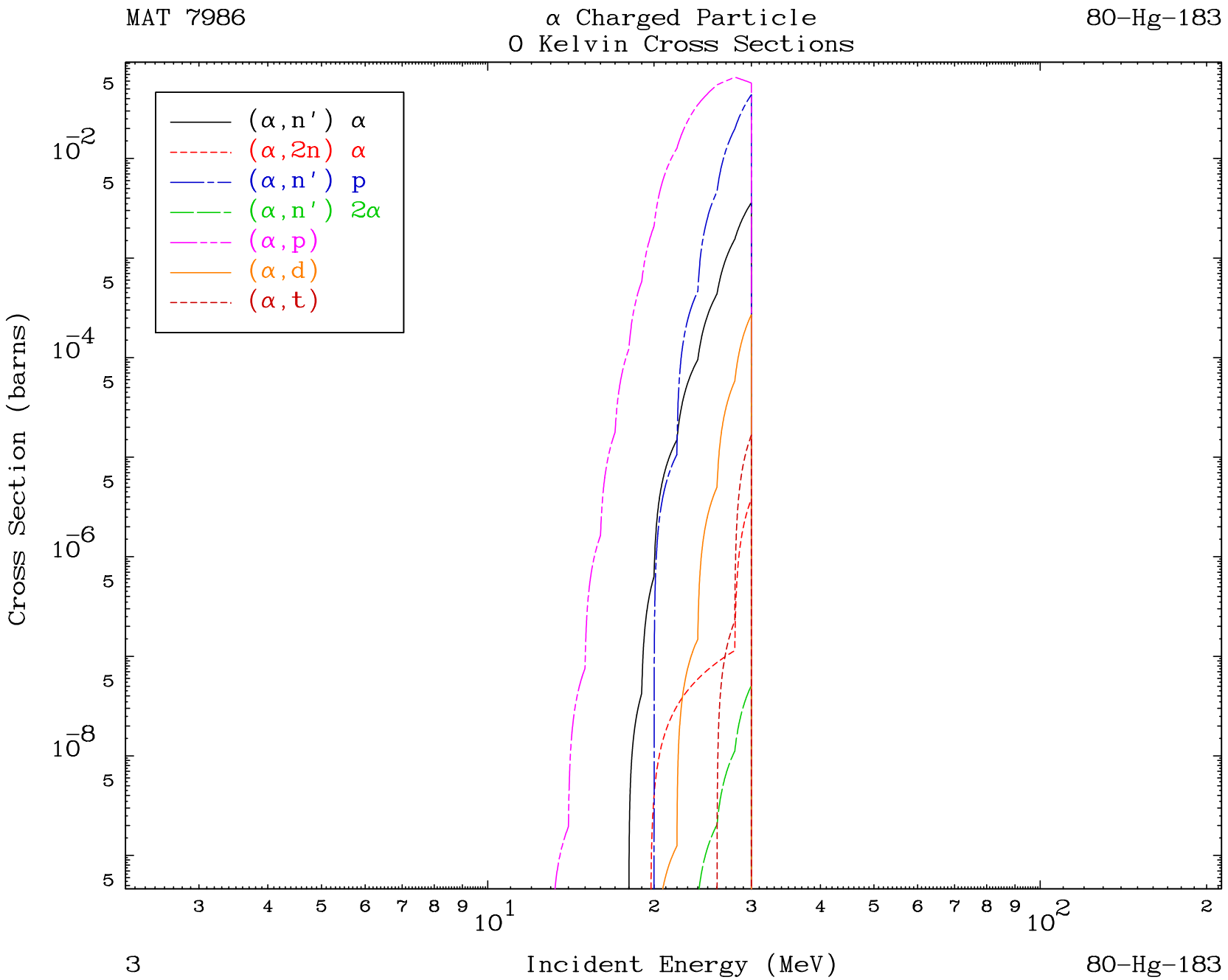
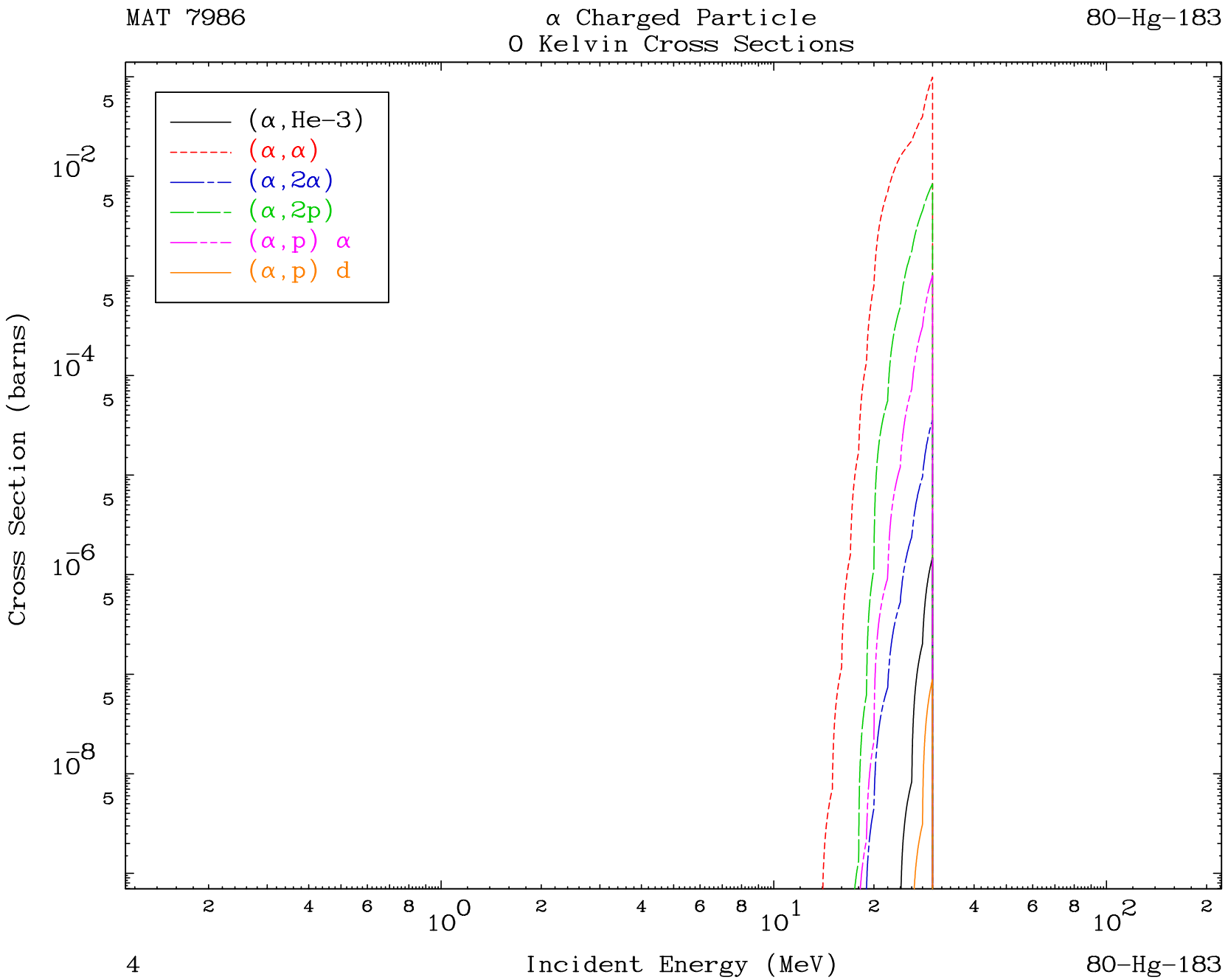
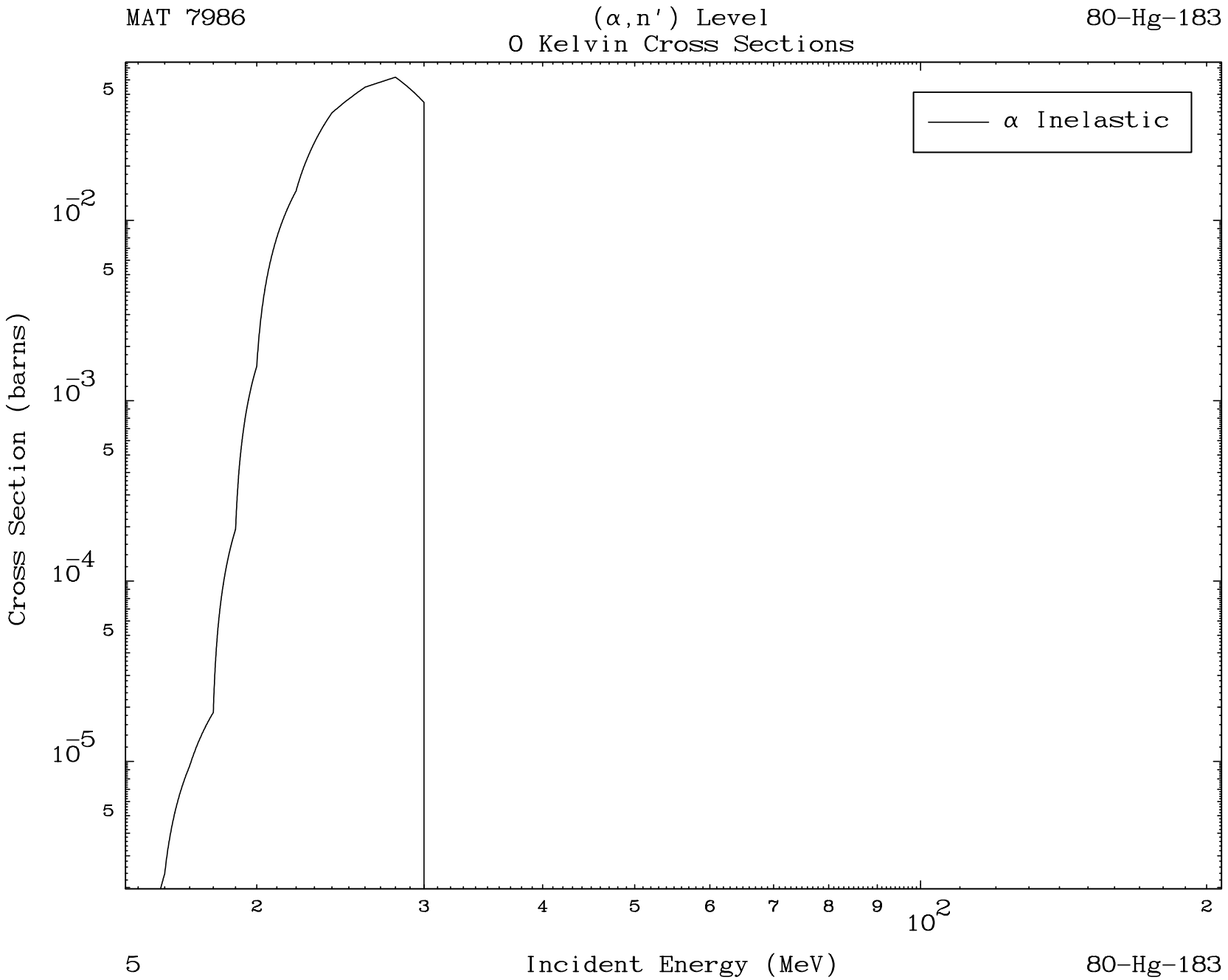
Press Mouse Button to Start

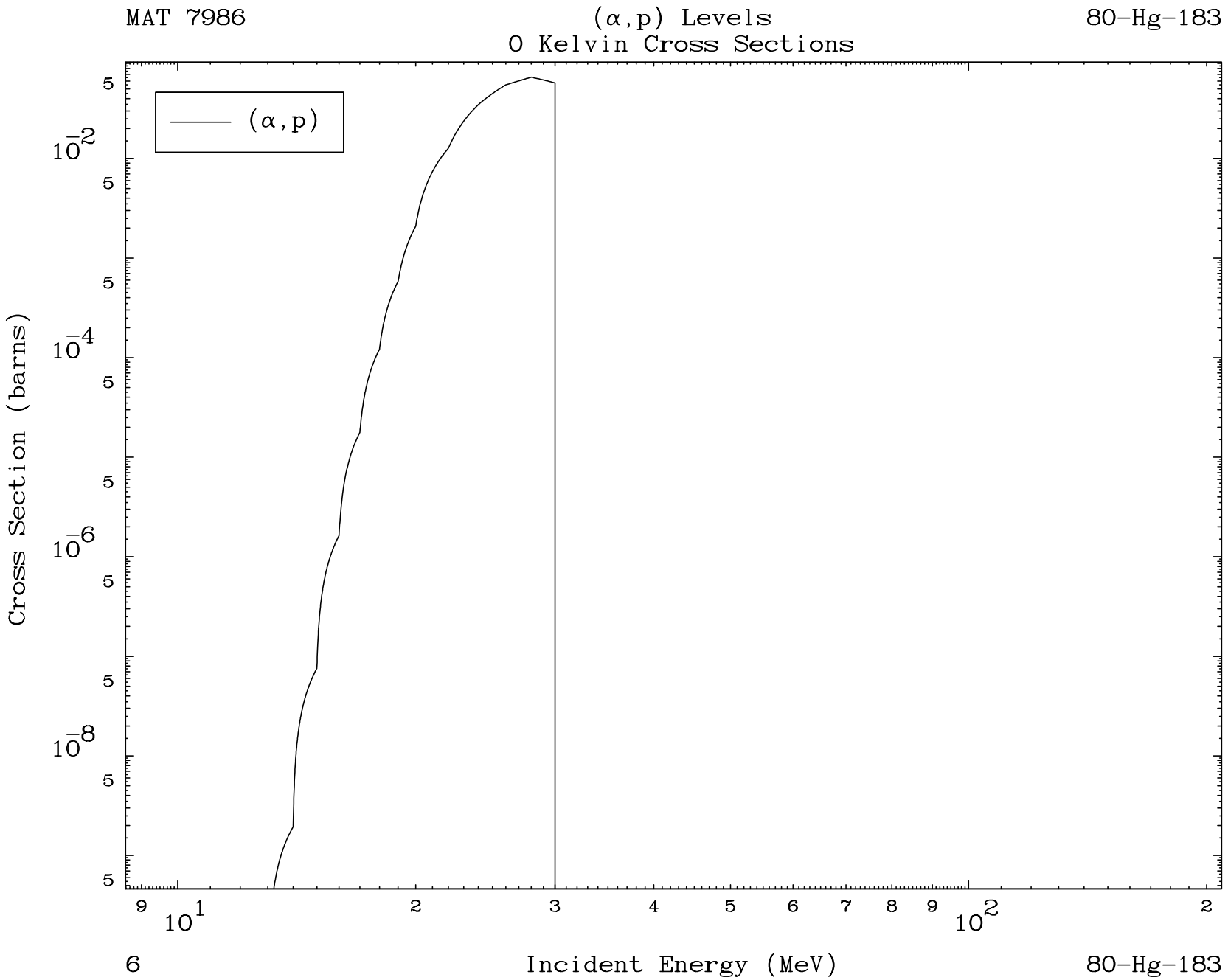

MAT 7986
α Major
80-Hg-183
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-183

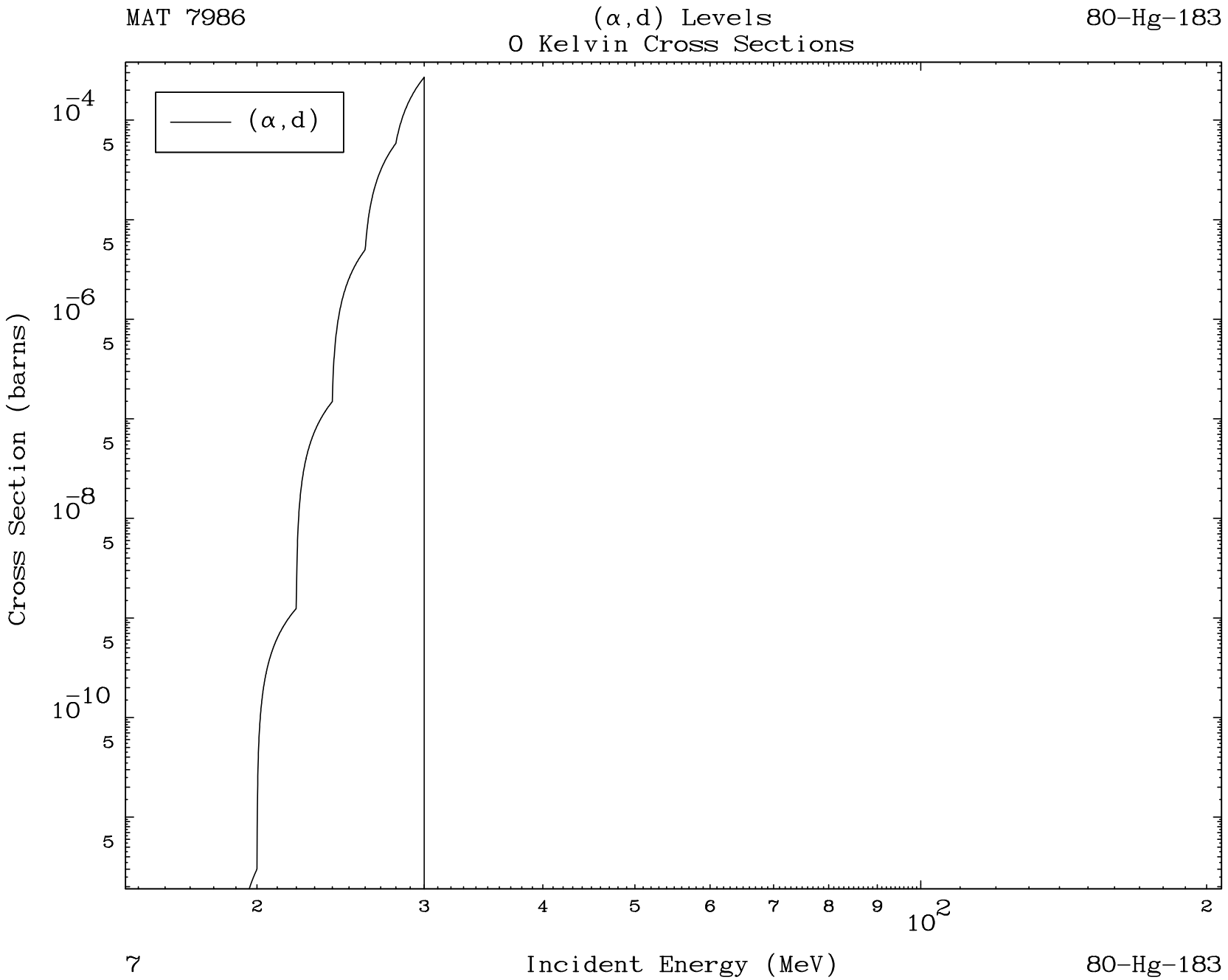

MAT 7986
α Neutron Production
0 Kelvin Cross Sections
80-Hg-183
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
Cross Section (barns)
Incident Energy (MeV)
80-Hg-183


MAT 7986
α Charged Particle
0 Kelvin Cross Sections
80-Hg-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)
80-Hg-183
3

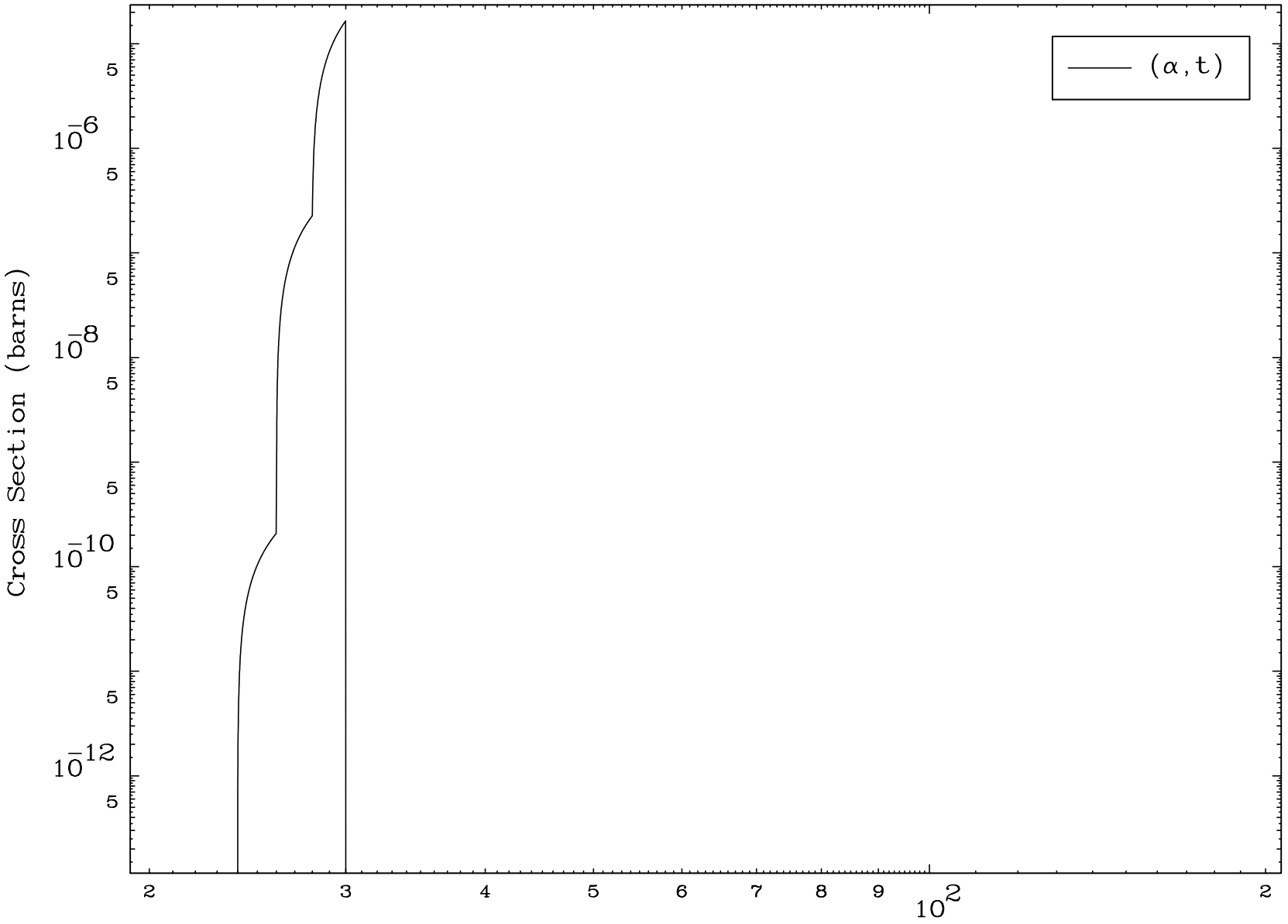

MAT 7986
α Charged Particle
0 Kelvin Cross Sections
80-Hg-183
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
80-Hg-183

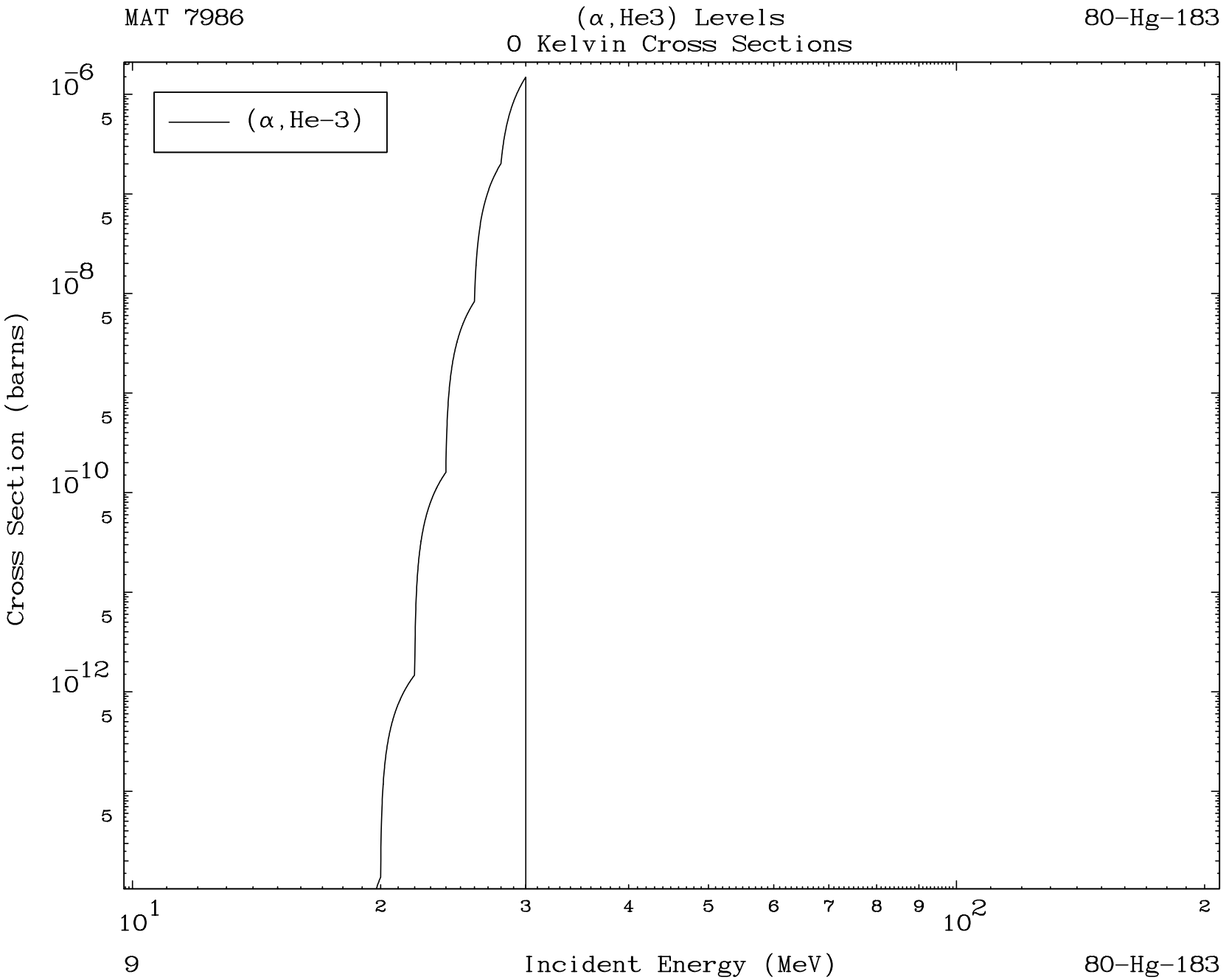

MAT 7986
(α,n') Level
80-Hg-183
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-3
10-4
10-5
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
80-Hg-183

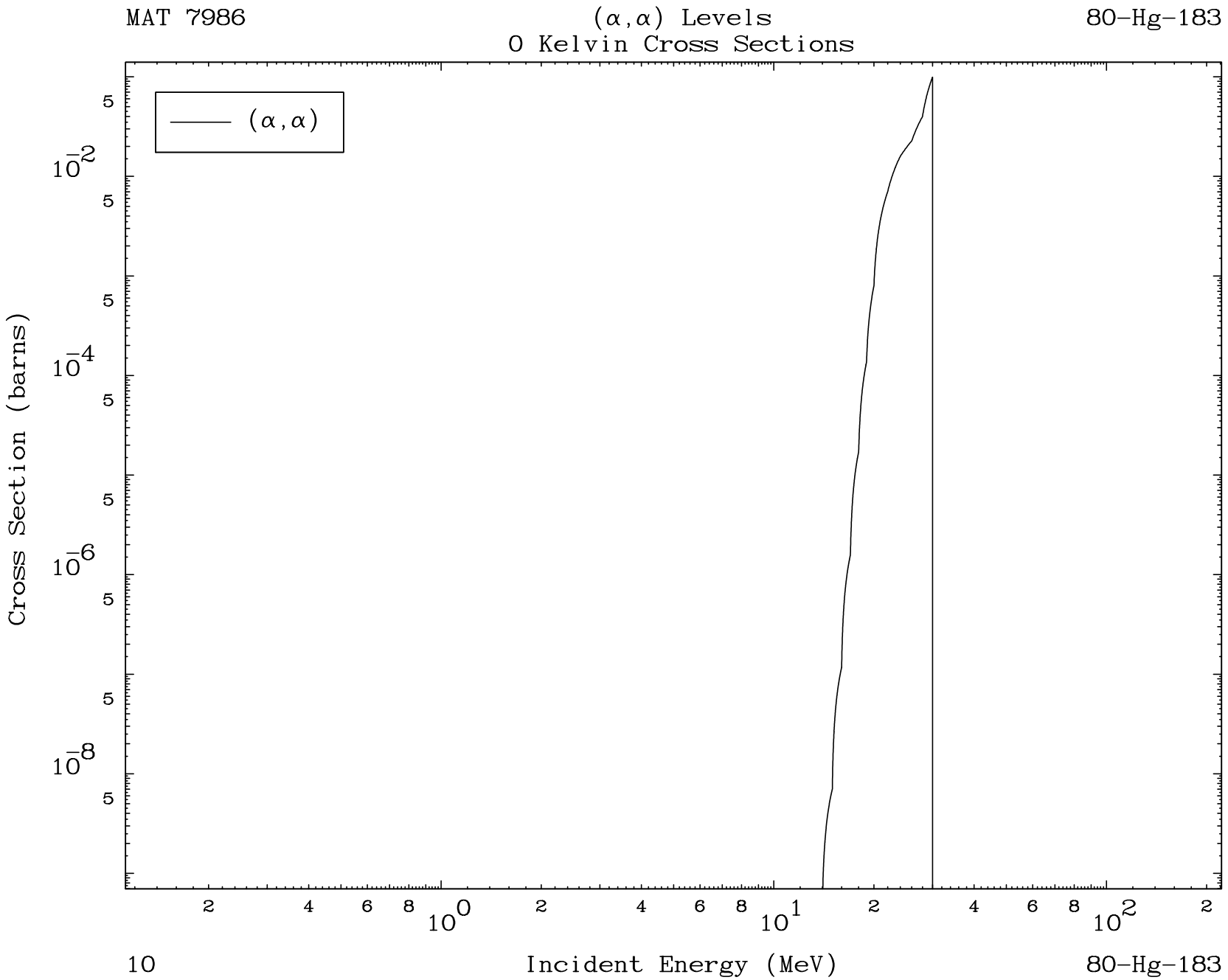

MAT 7986
(α,p) Levels
80-Hg-183
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
6
80-Hg-183

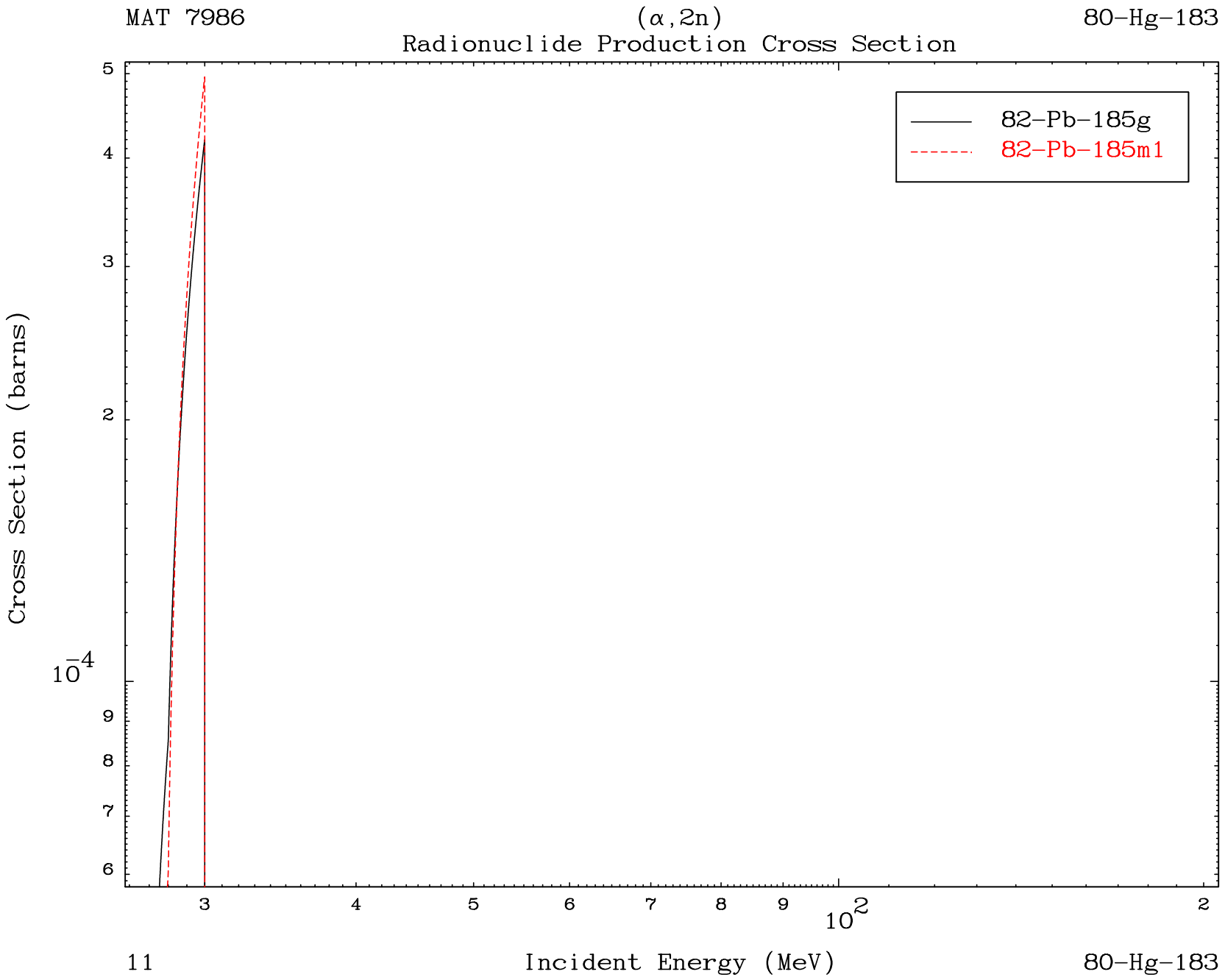

MAT 7986
(α,d) Levels
80-Hg-183
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
80-Hg-183

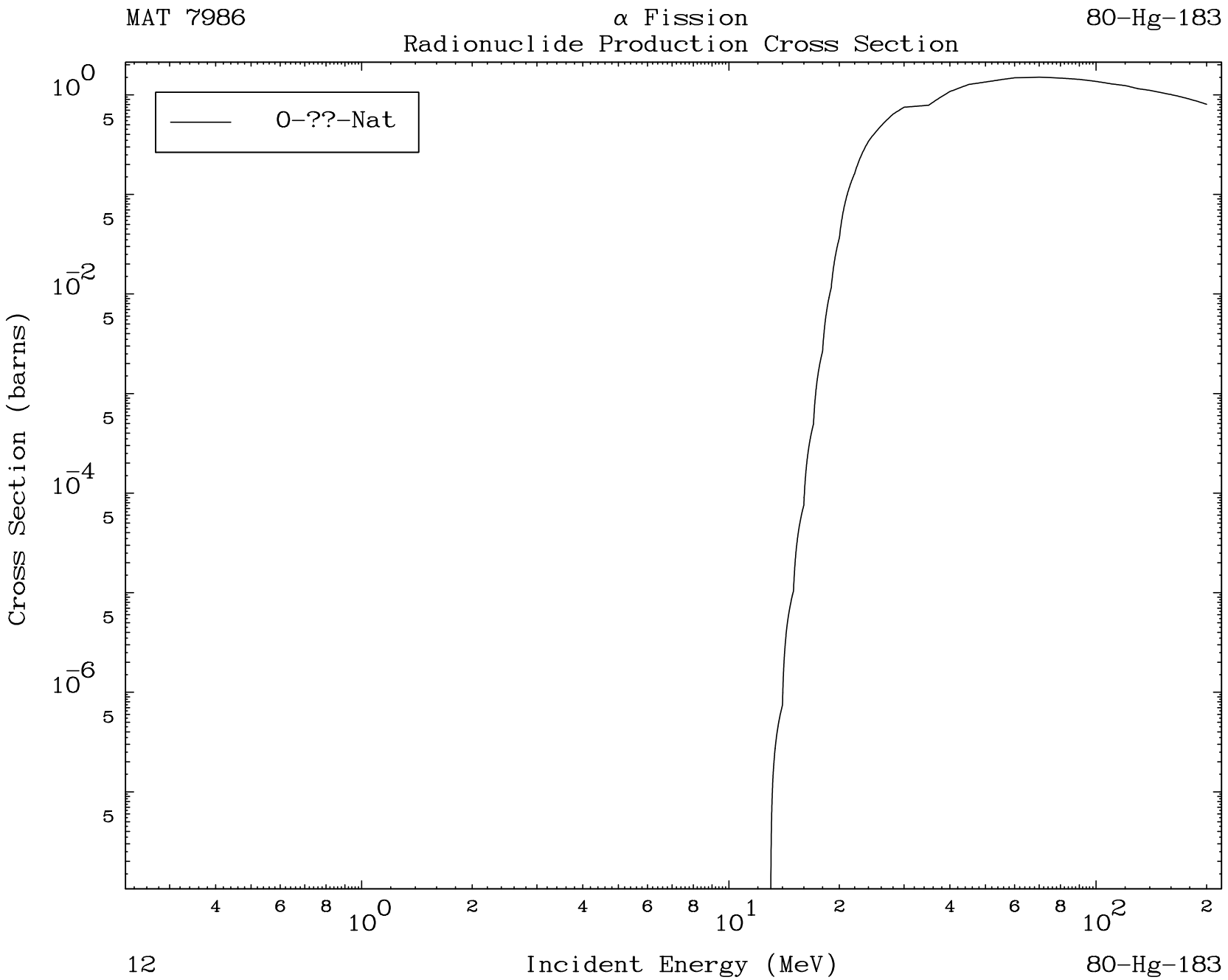
0 Kelvin Cross Sections

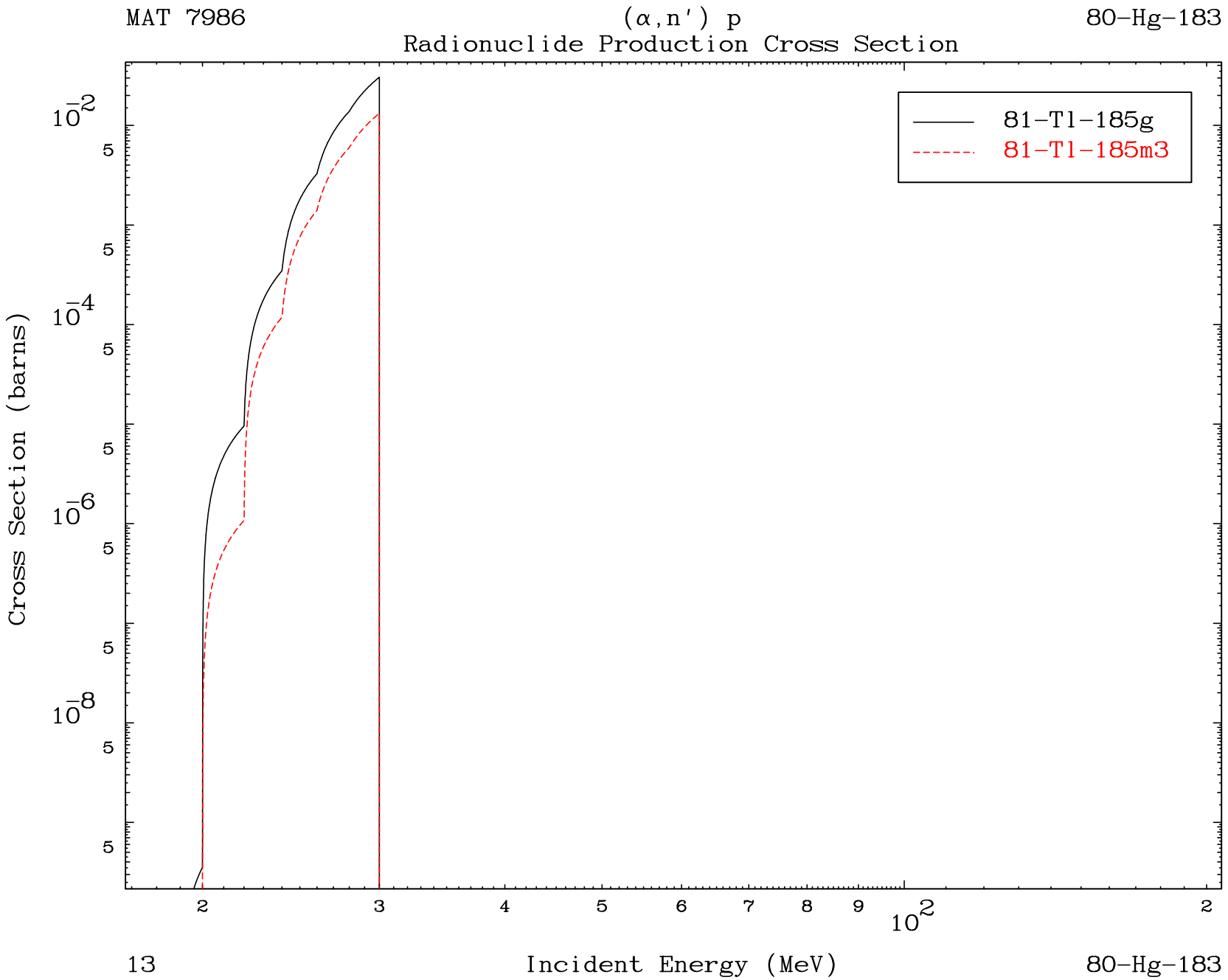


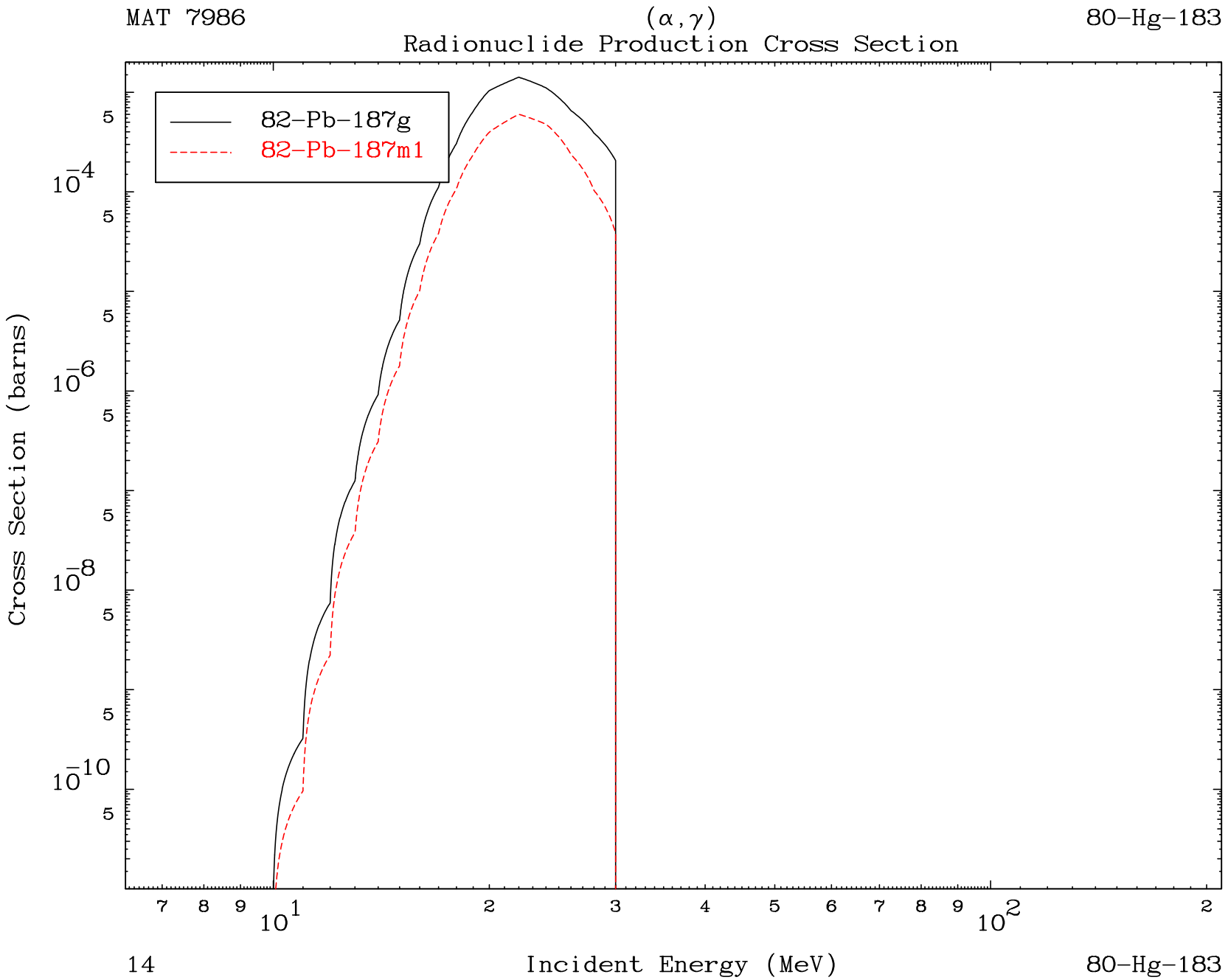

MAT 7986
(α,He3) Levels
80-Hg-183
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
80-Hg-183

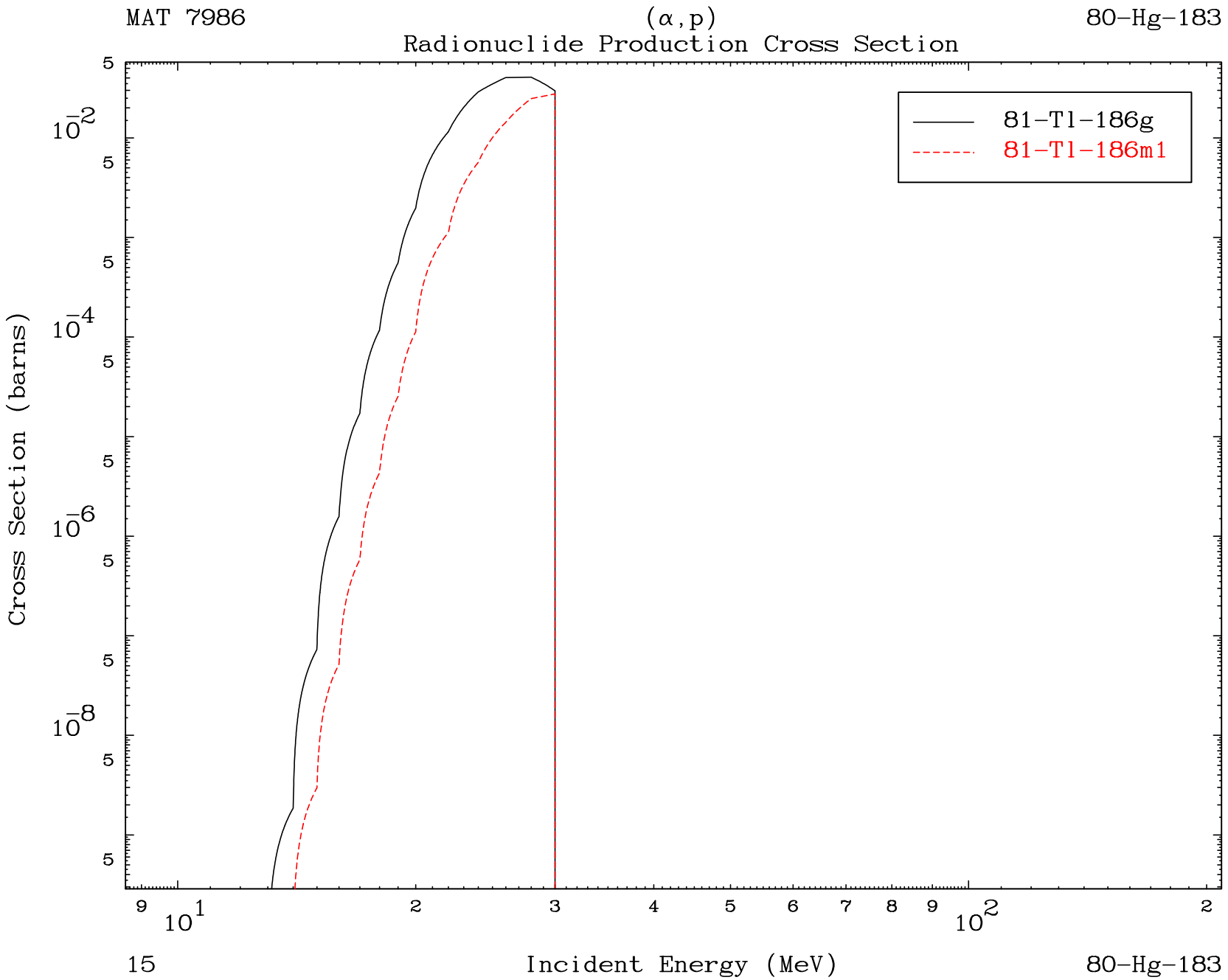

MAT 7986
(α,α) Levels
80-Hg-183
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
80-Hg-183

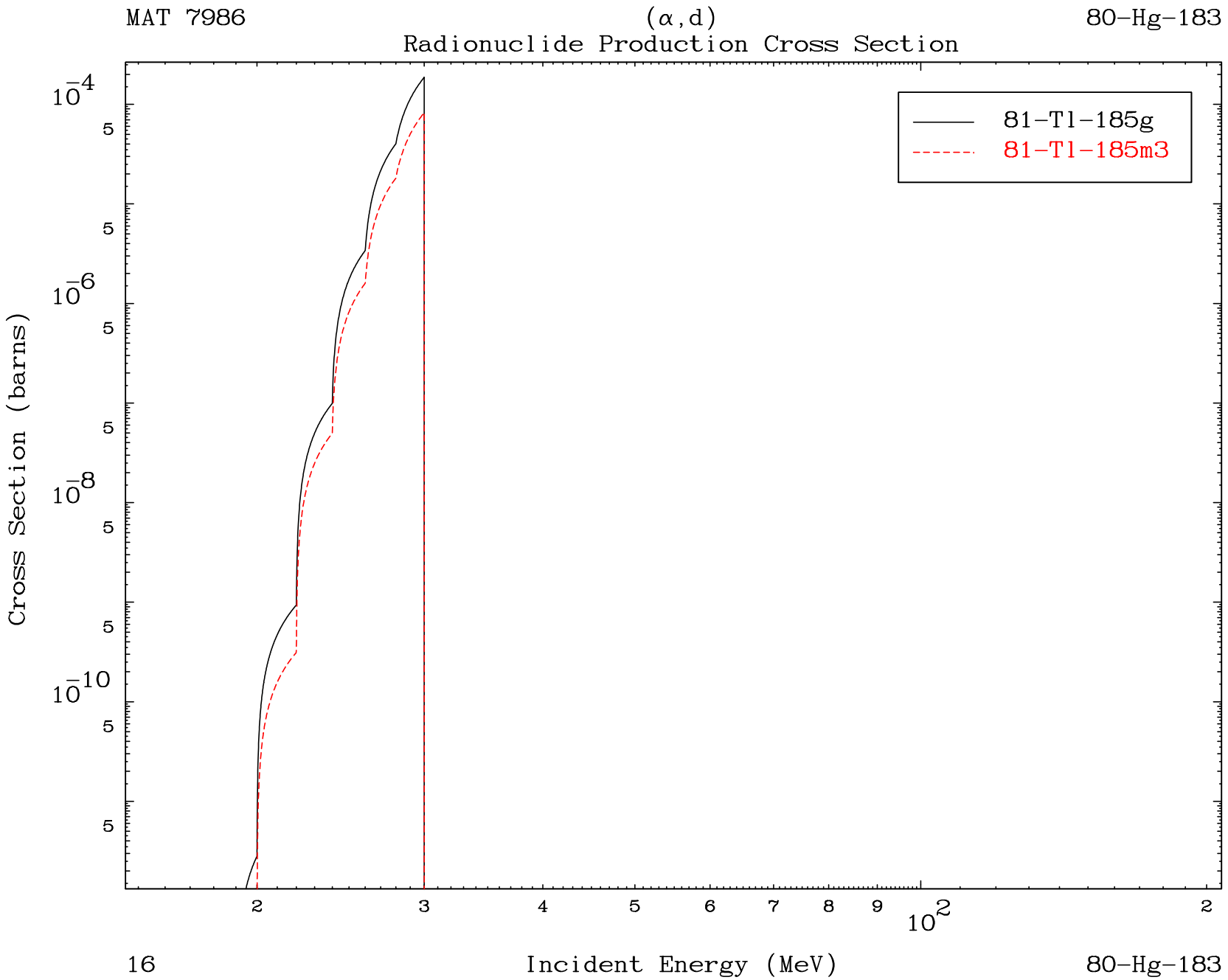

MAT 7986
(α,2n)
80-Hg-183
Radionuclide Production Cross Section
82-Pb-185g
82-Pb-185m1
Cross Section (barns)
10^-4
5
4
3
2
9
8
7
6
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
80-Hg-183

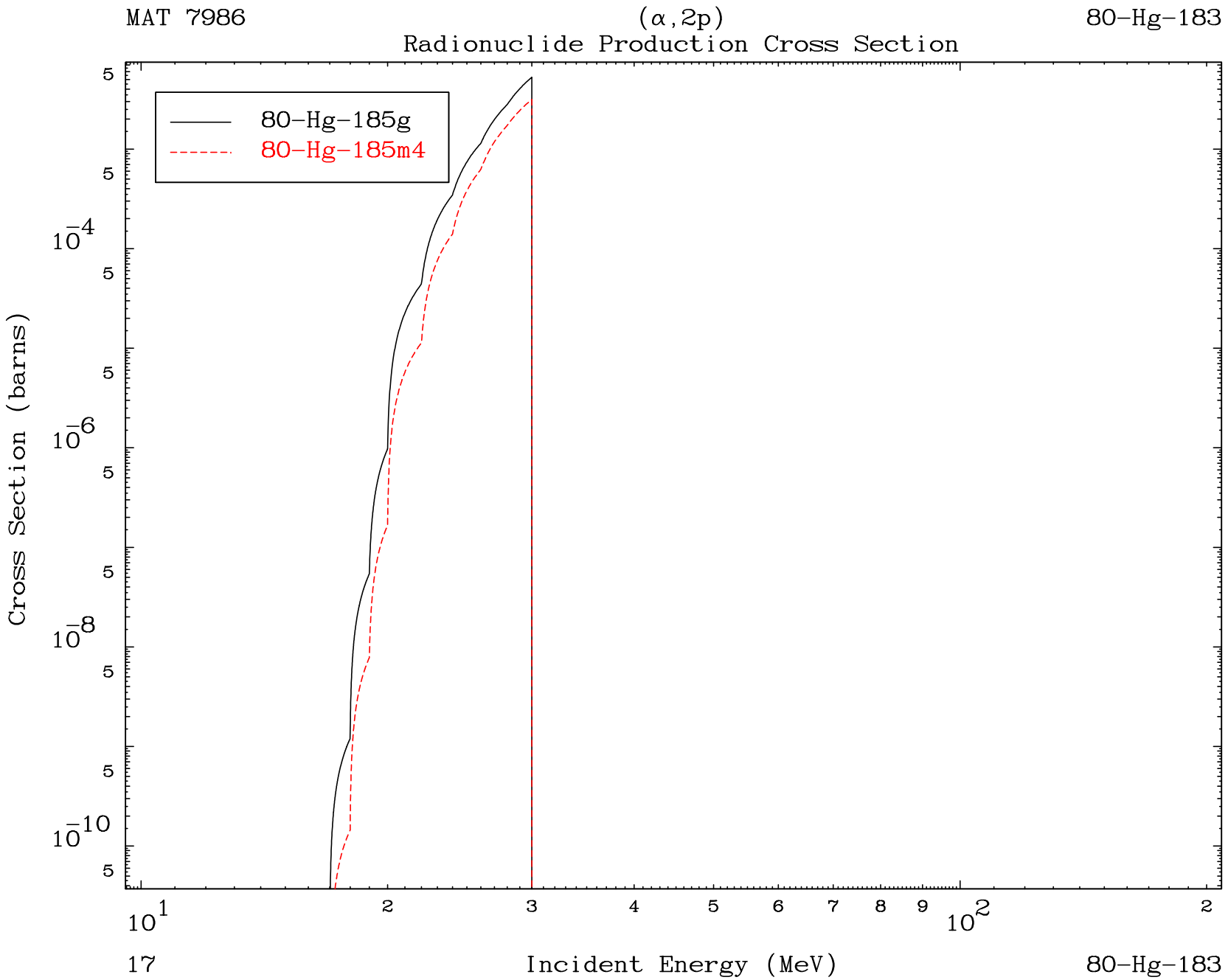

MAT 7986
α Fission
80-Hg-183
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
80-Hg-183


MAT 7986
(α,n') p
80-Hg-183
Radionuclide Production Cross Section
81-Tl-185g
81-Tl-185m3
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
80-Hg-183


MAT 7986
(α,γ)
80-Hg-183
Radionuclide Production Cross Section
82-Pb-187g
82-Pb-187m1
Cross Section (barns)
Incident Energy (MeV)
14
80-Hg-183


MAT 7986
(α,p)
80-Hg-183
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
Cross Section (barns)
Incident Energy (MeV)
80-Hg-183
15


MAT 7986
(α,d)
80-Hg-183
Radionuclide Production Cross Section
81-Tl-185g
81-Tl-185m3
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
80-Hg-183


MAT 7986
(α,2p)
80-Hg-183
Radionuclide Production Cross Section
80-Hg-185g
80-Hg-185m4
Cross Section (barns)
Incident Energy (MeV)
17
80-Hg-183