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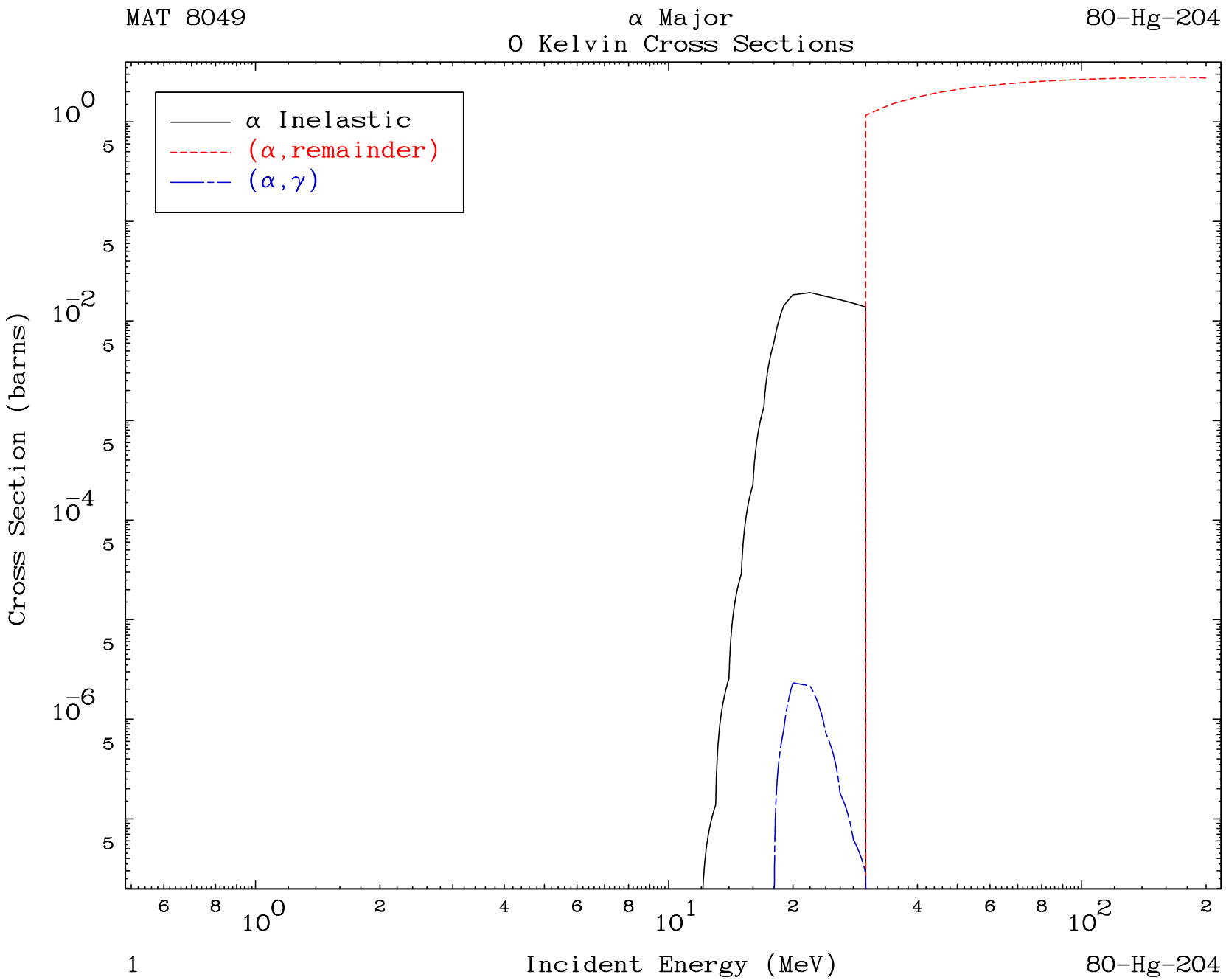
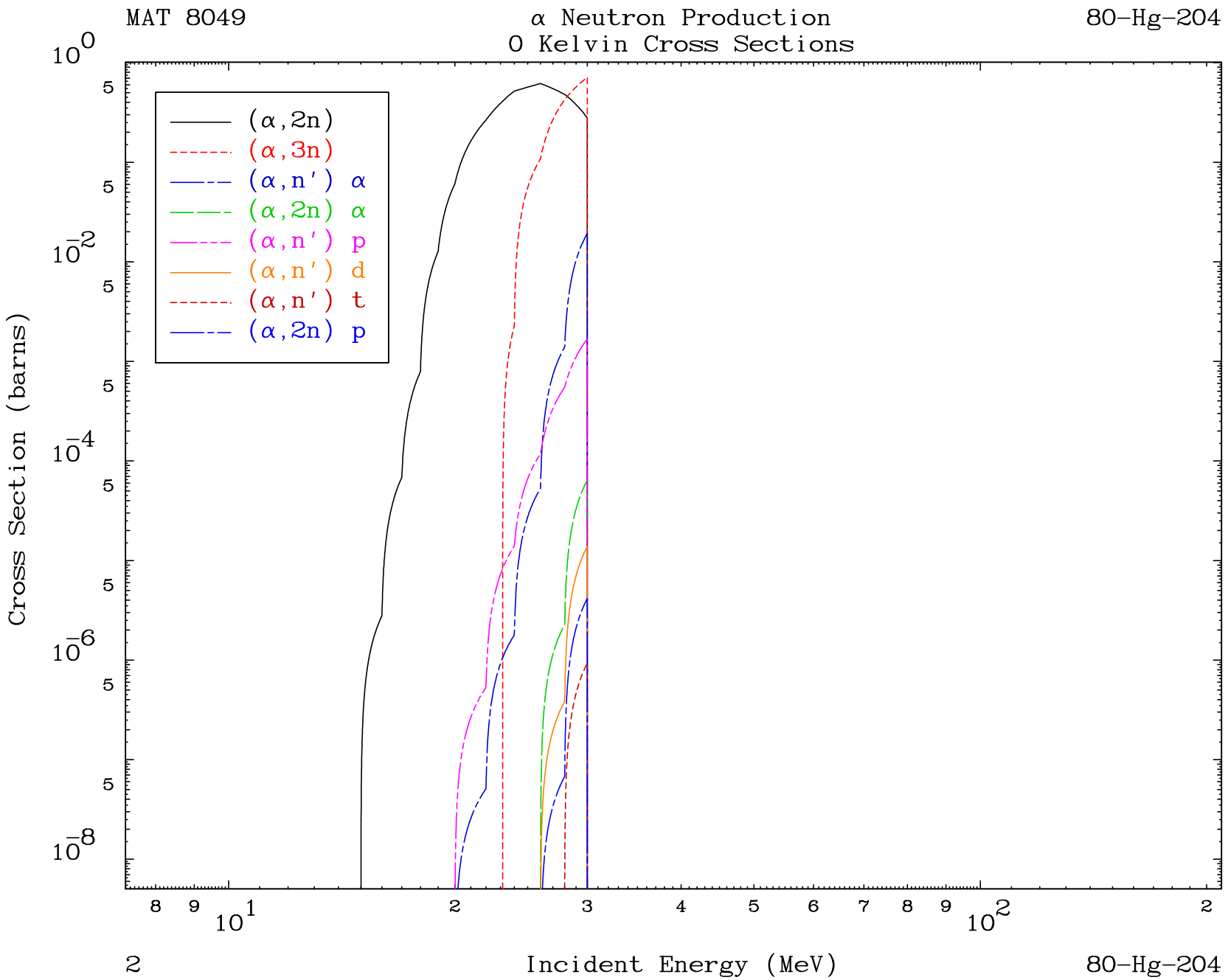
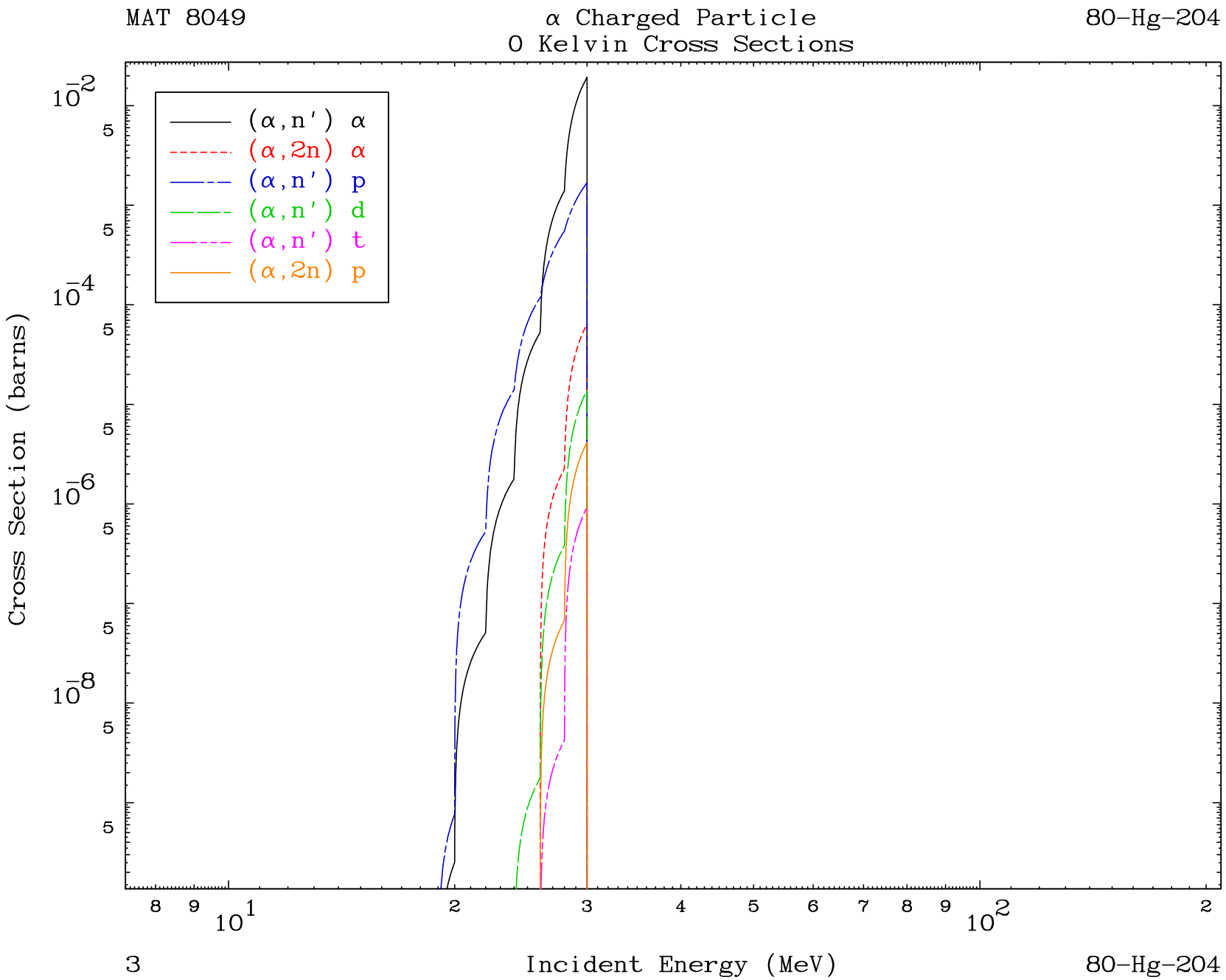
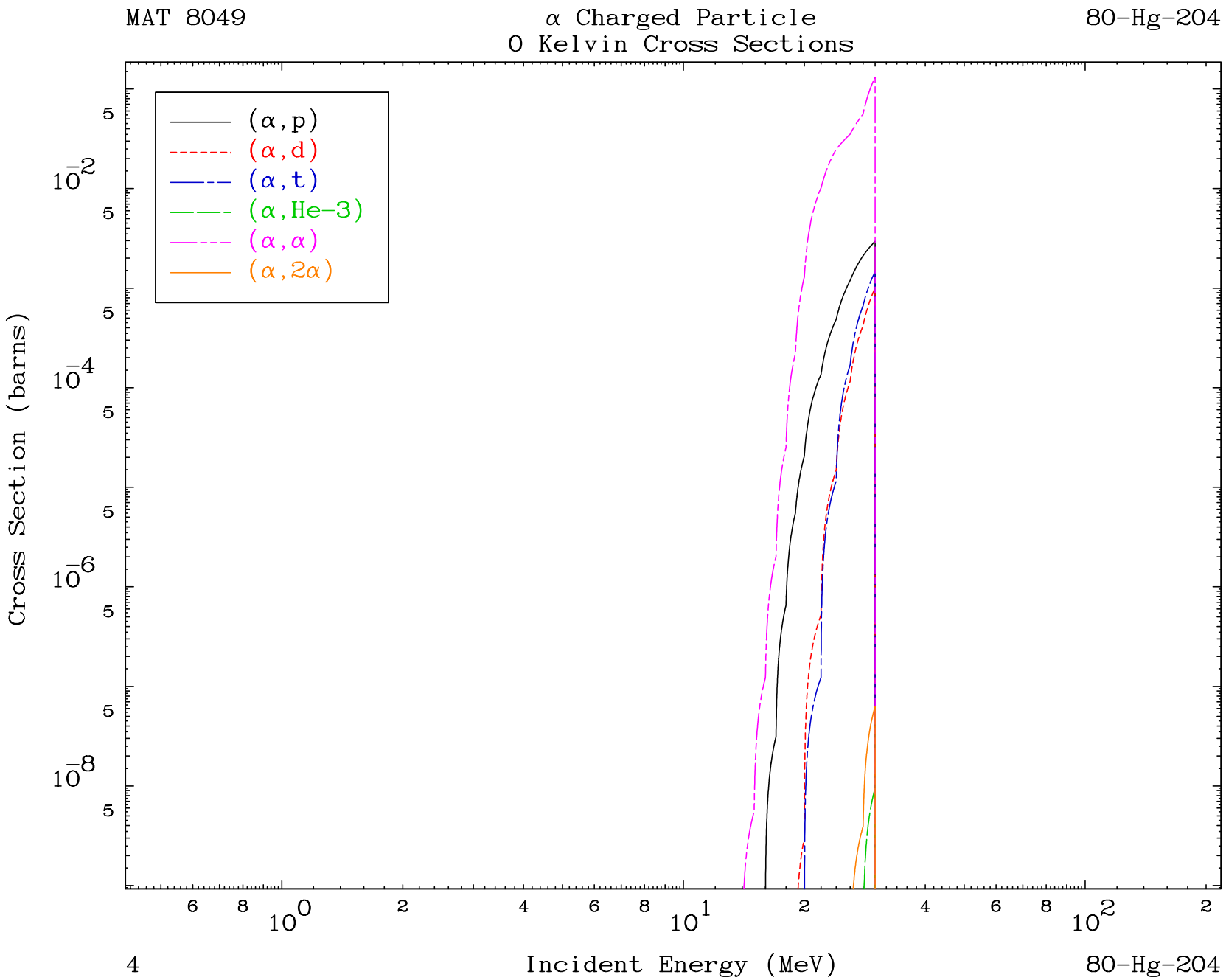
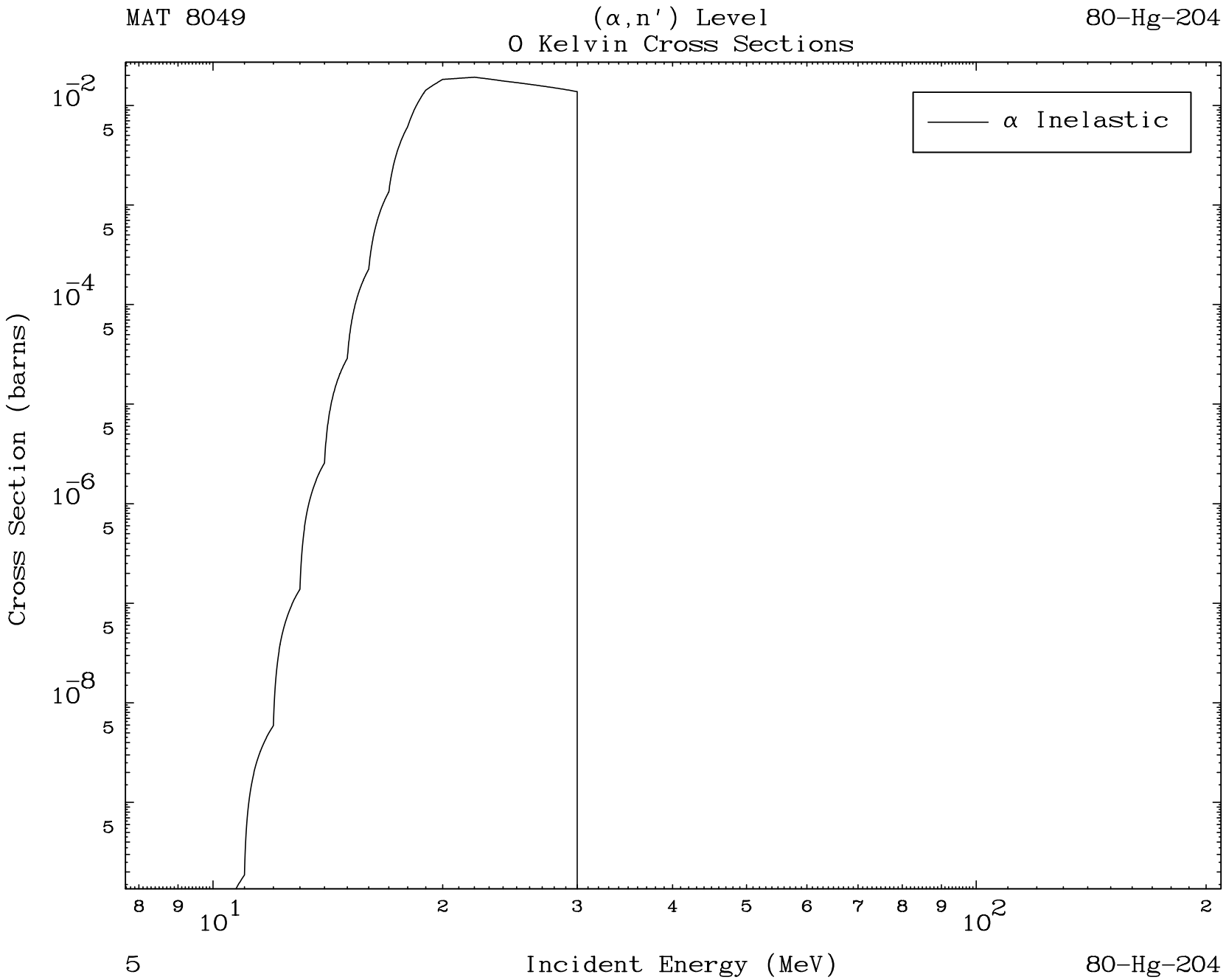
Press Mouse Button to Start

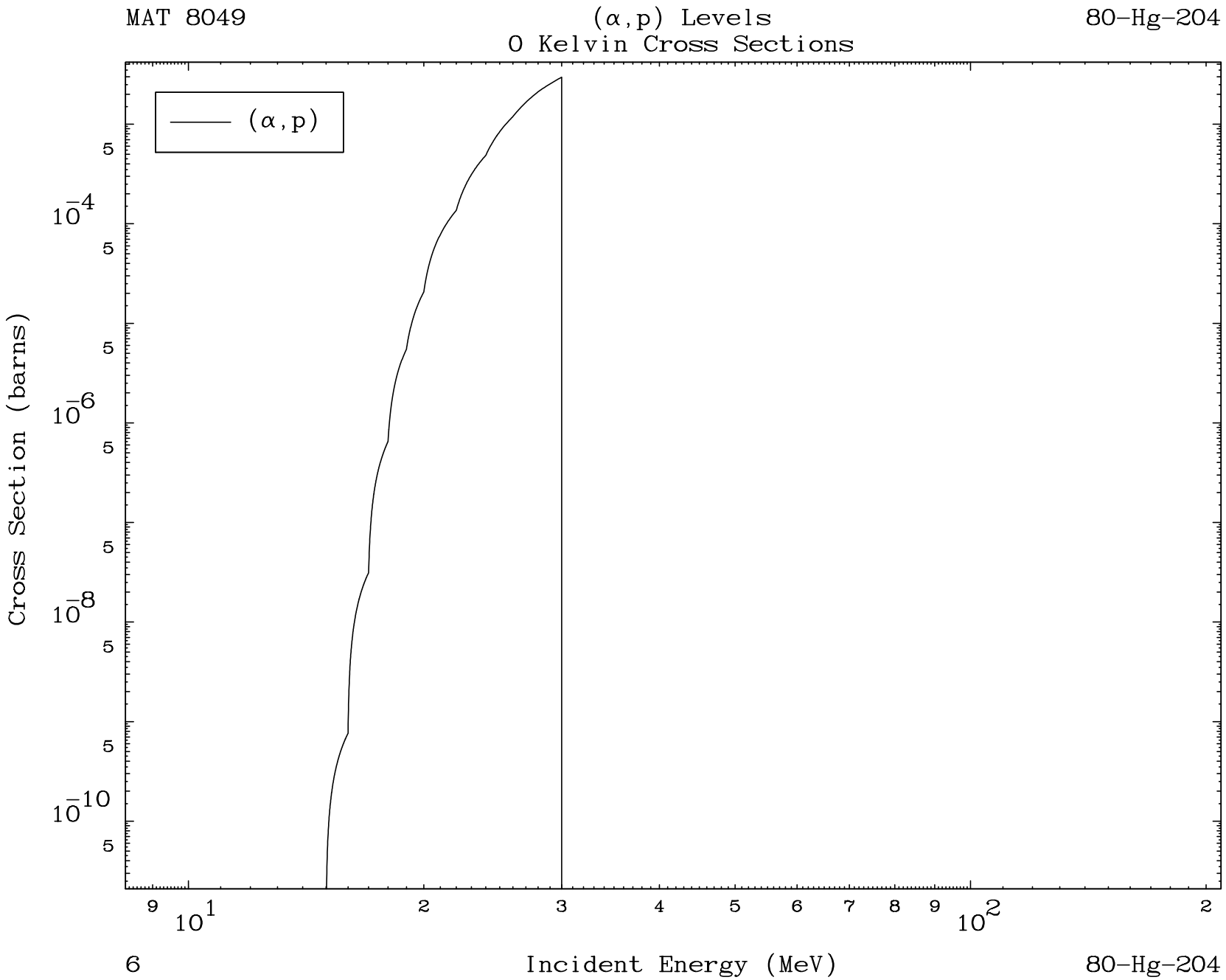

MAT 8049
α Major
80-Hg-204
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-204

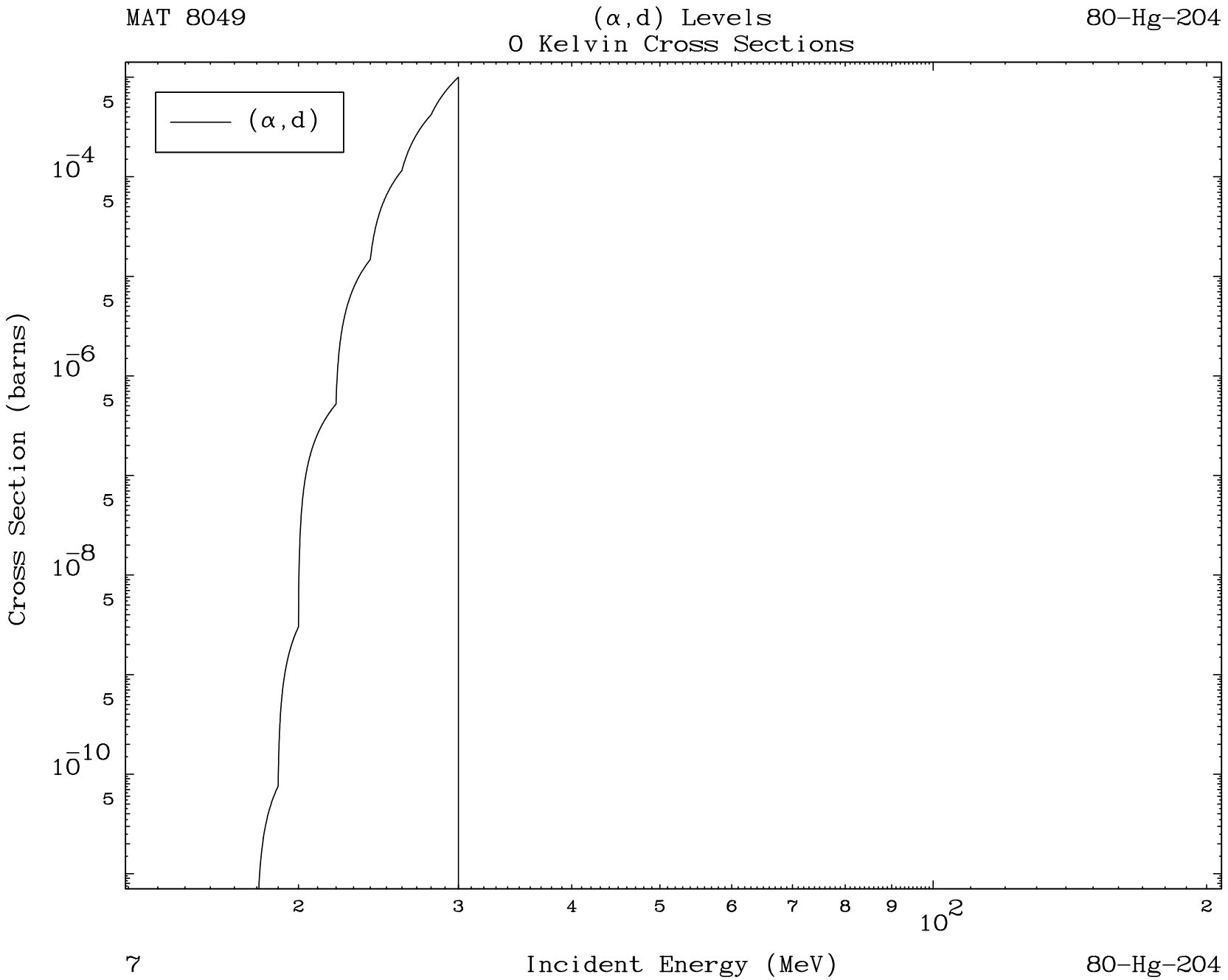

MAT 8049
α Neutron Production
0 Kelvin Cross Sections
80-Hg-204
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
80-Hg-204

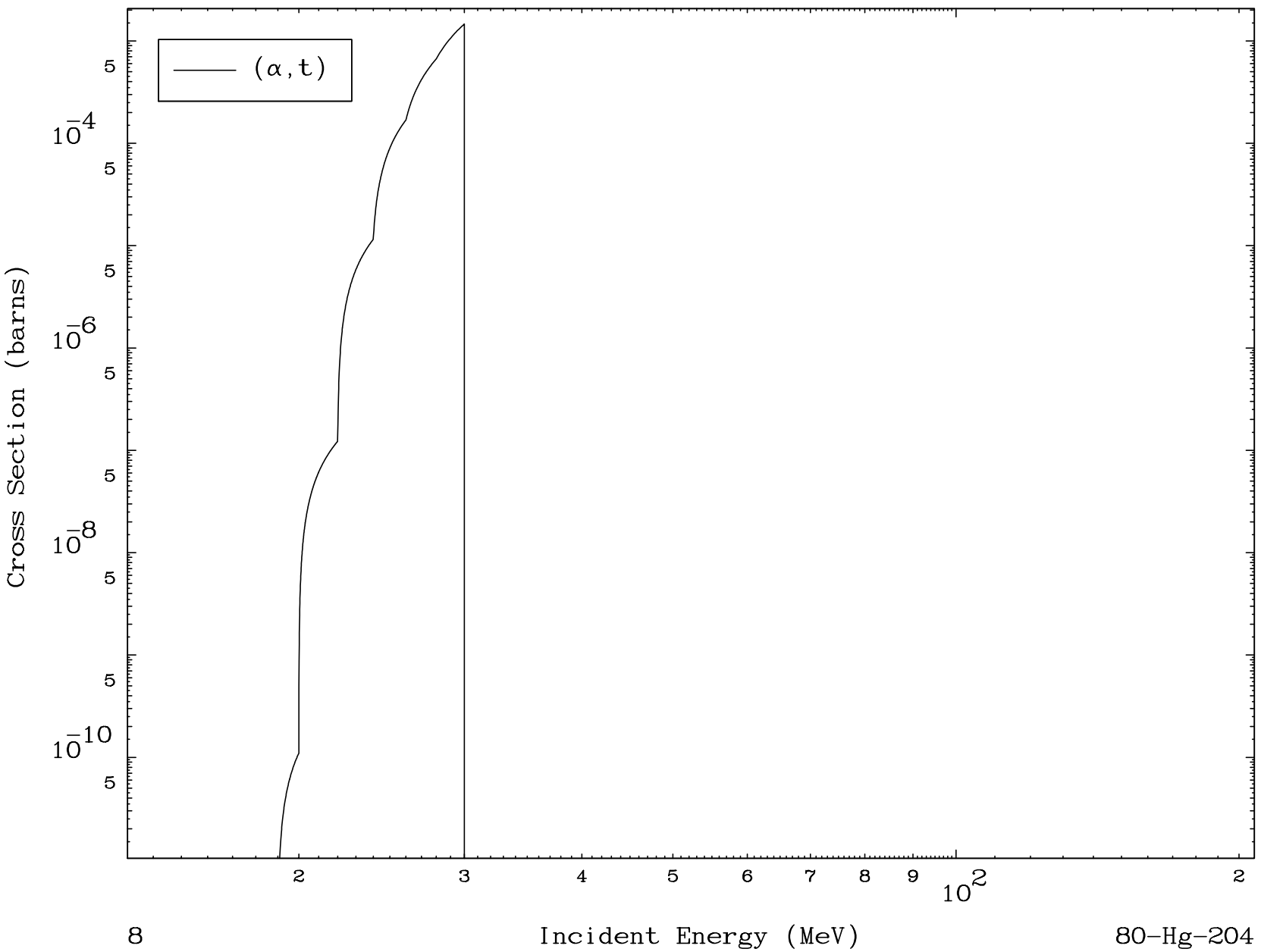

MAT 8049
α Charged Particle
0 Kelvin Cross Sections
80-Hg-204
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
3
80-Hg-204

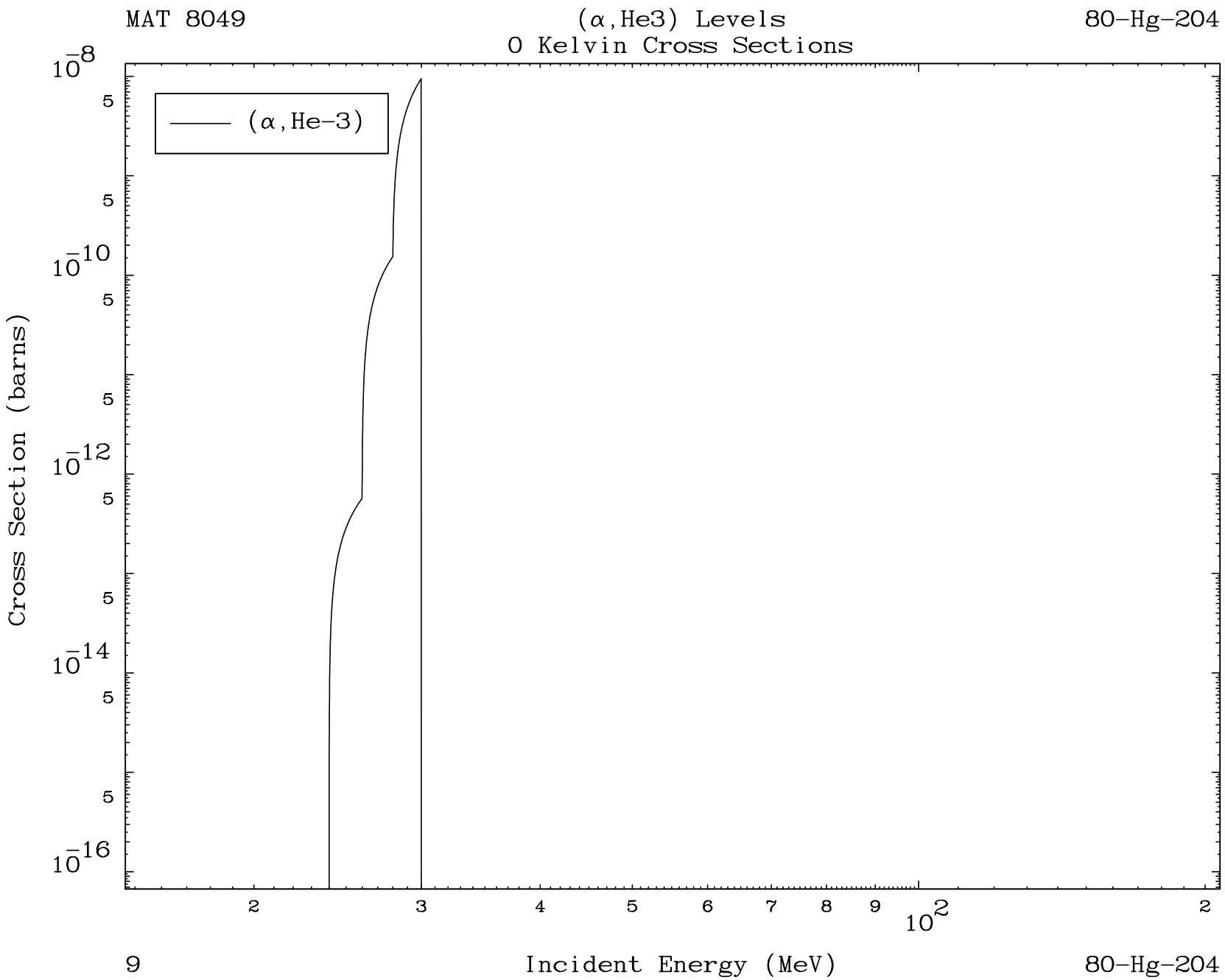

MAT 8049
α Charged Particle
0 Kelvin Cross Sections
80-Hg-204
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
Cross Section (barns)
Incident Energy (MeV)
4
80-Hg-204

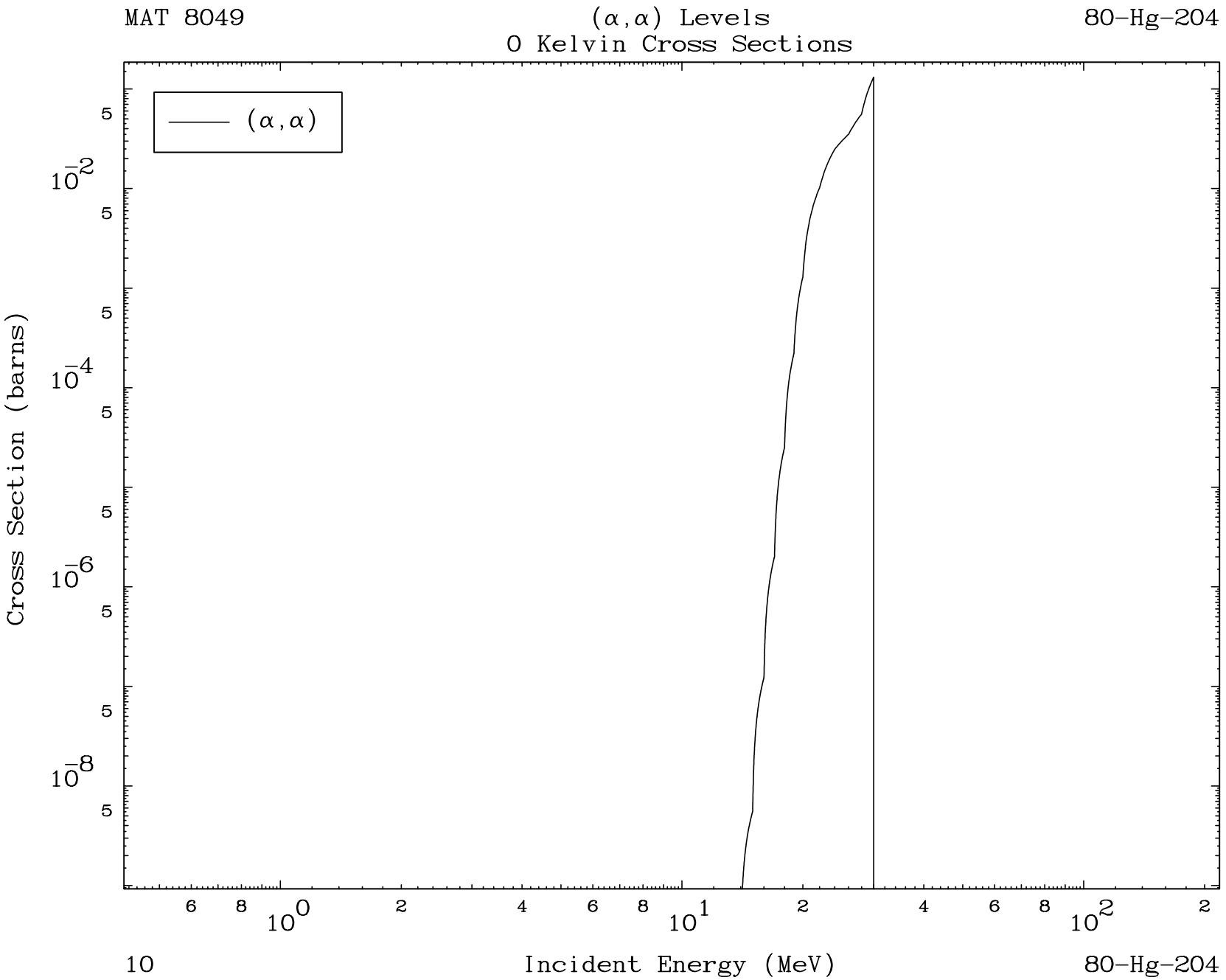

MAT 8049
(α,n') Level
80-Hg-204
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
80-Hg-204

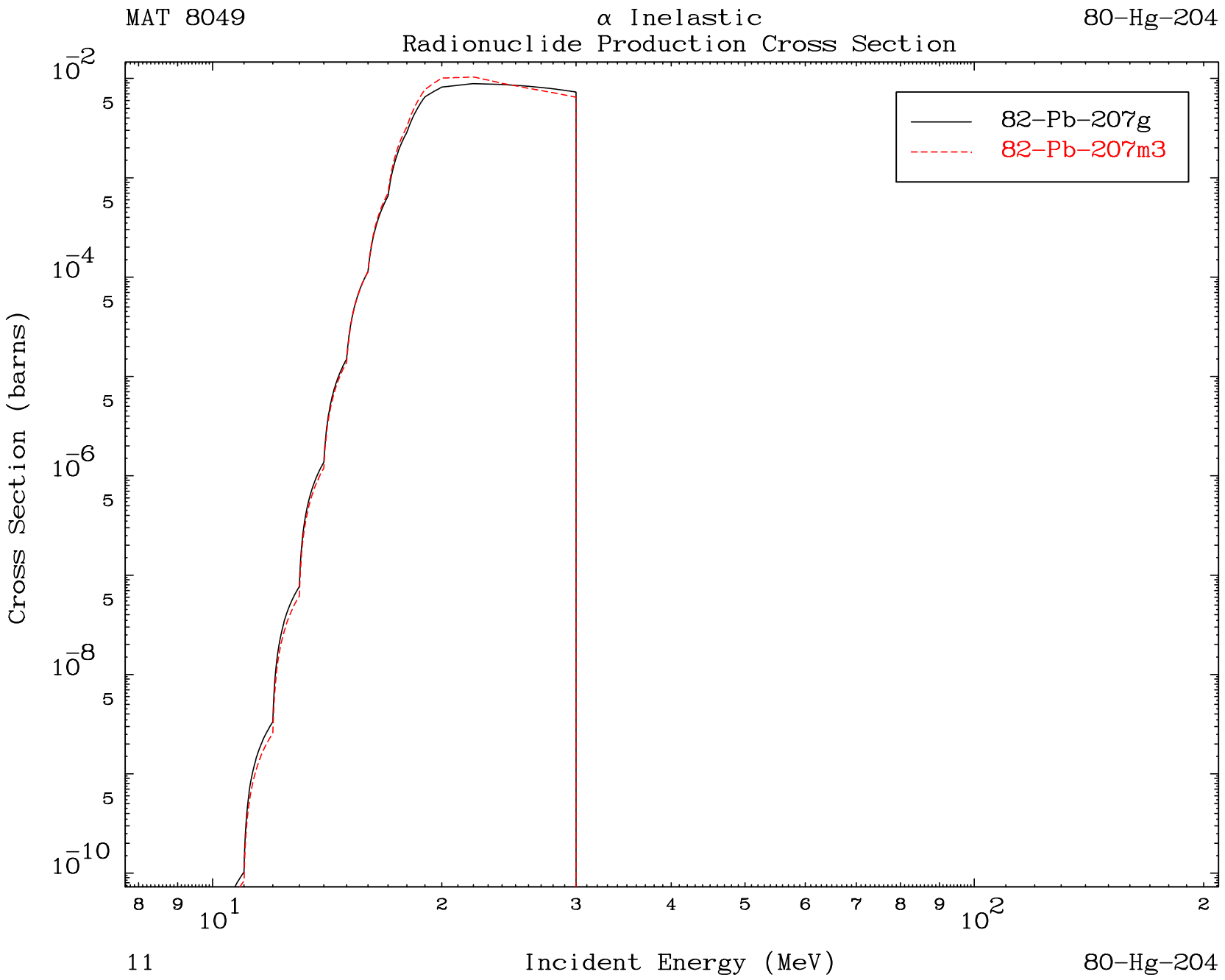

MAT 8049
(α,p) Levels
80-Hg-204
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
80-Hg-204

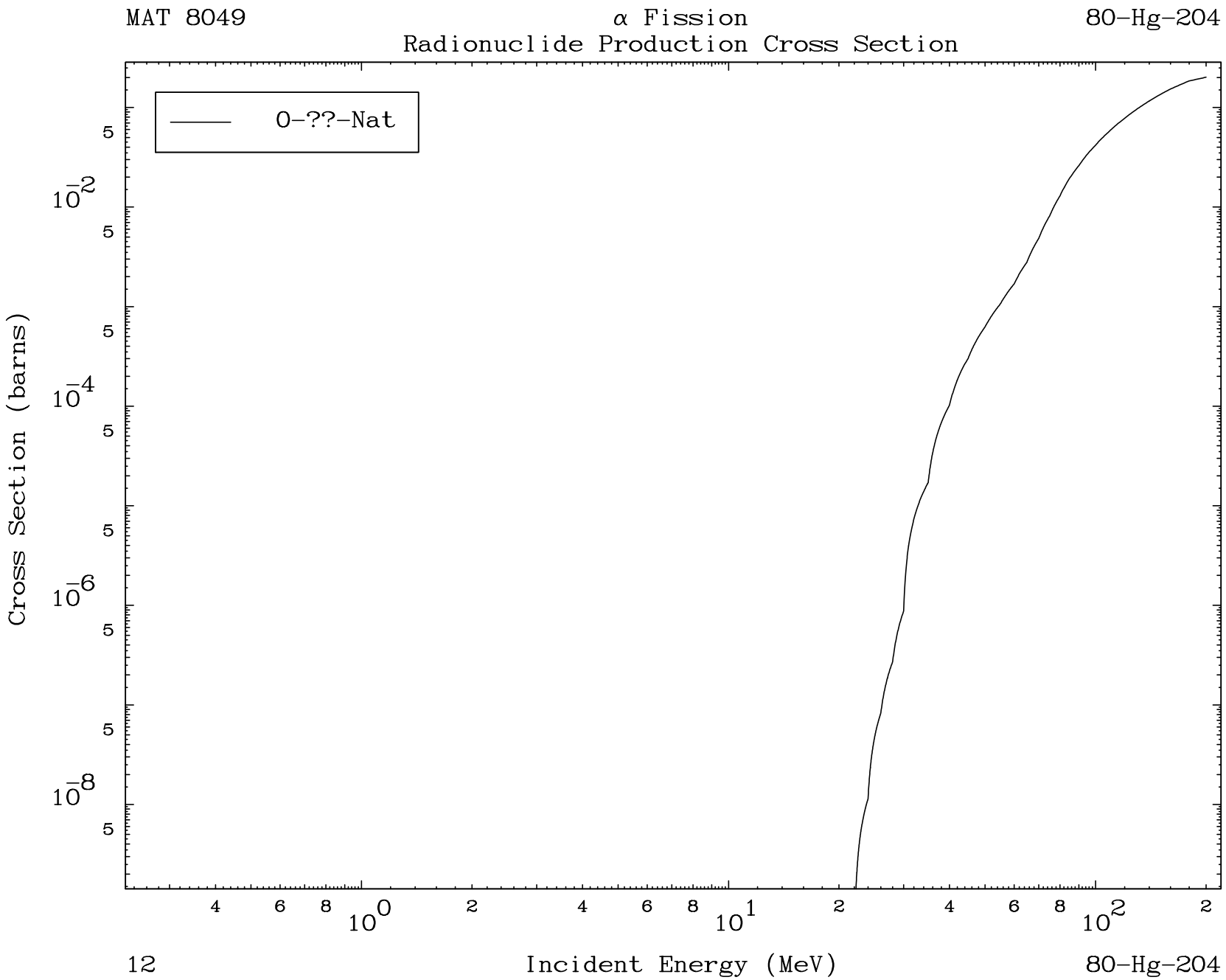

MAT 8049
(α,d) Levels
80-Hg-204
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
80-Hg-204

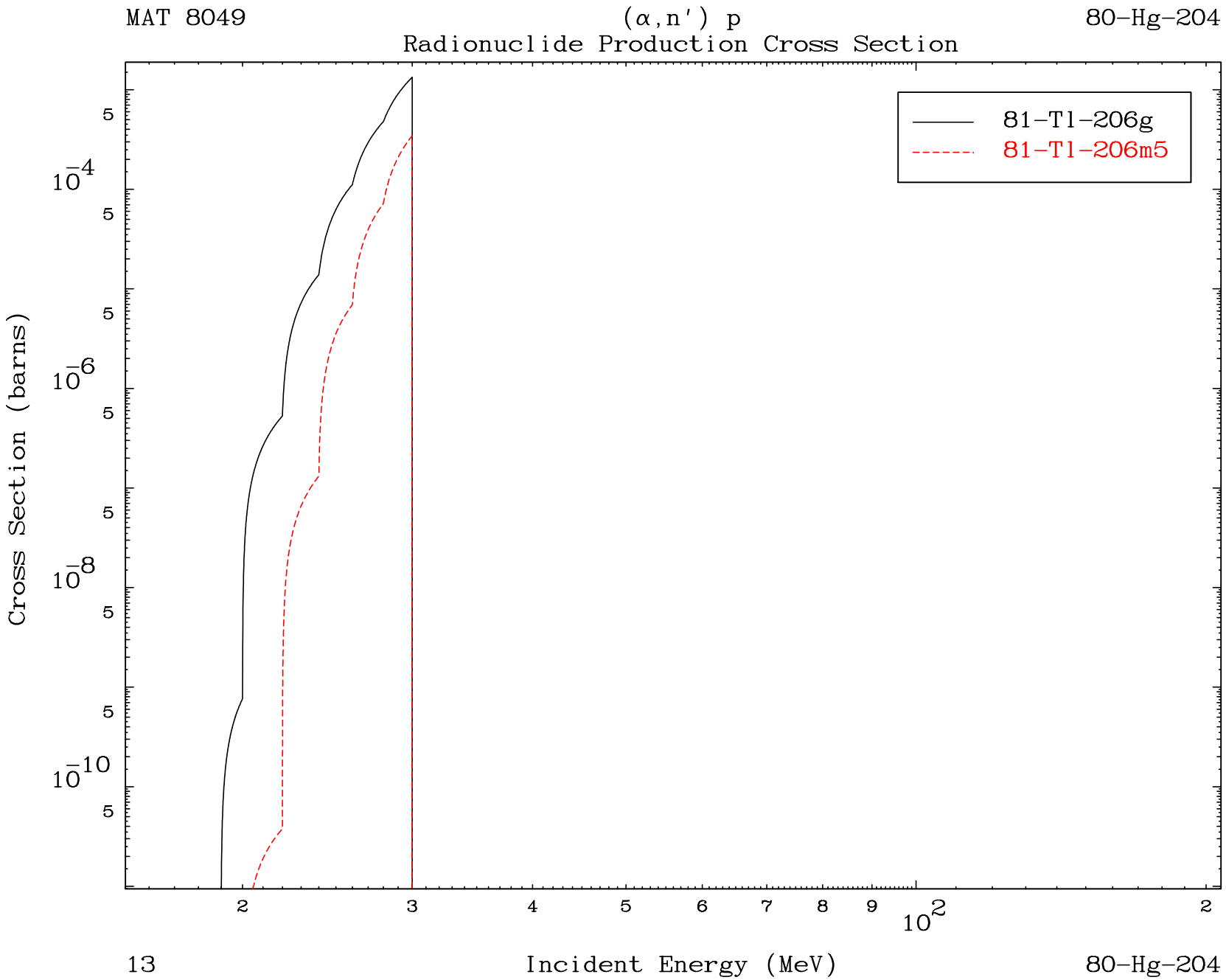

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

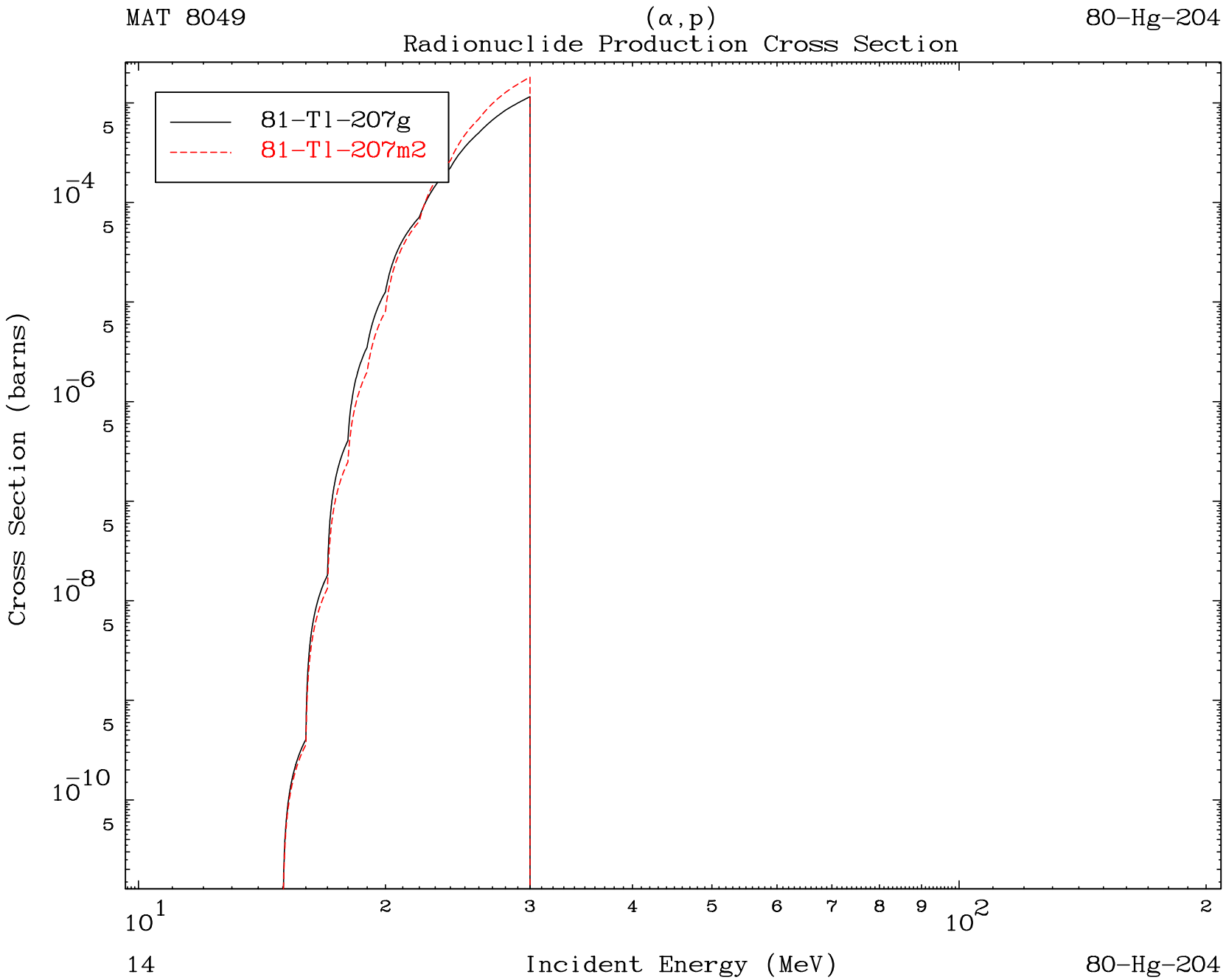

MAT 8049
(α,He3) Levels
80-Hg-204
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-8
5
10-10
5
10-12
5
10-14
5
10-16
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
80-Hg-204

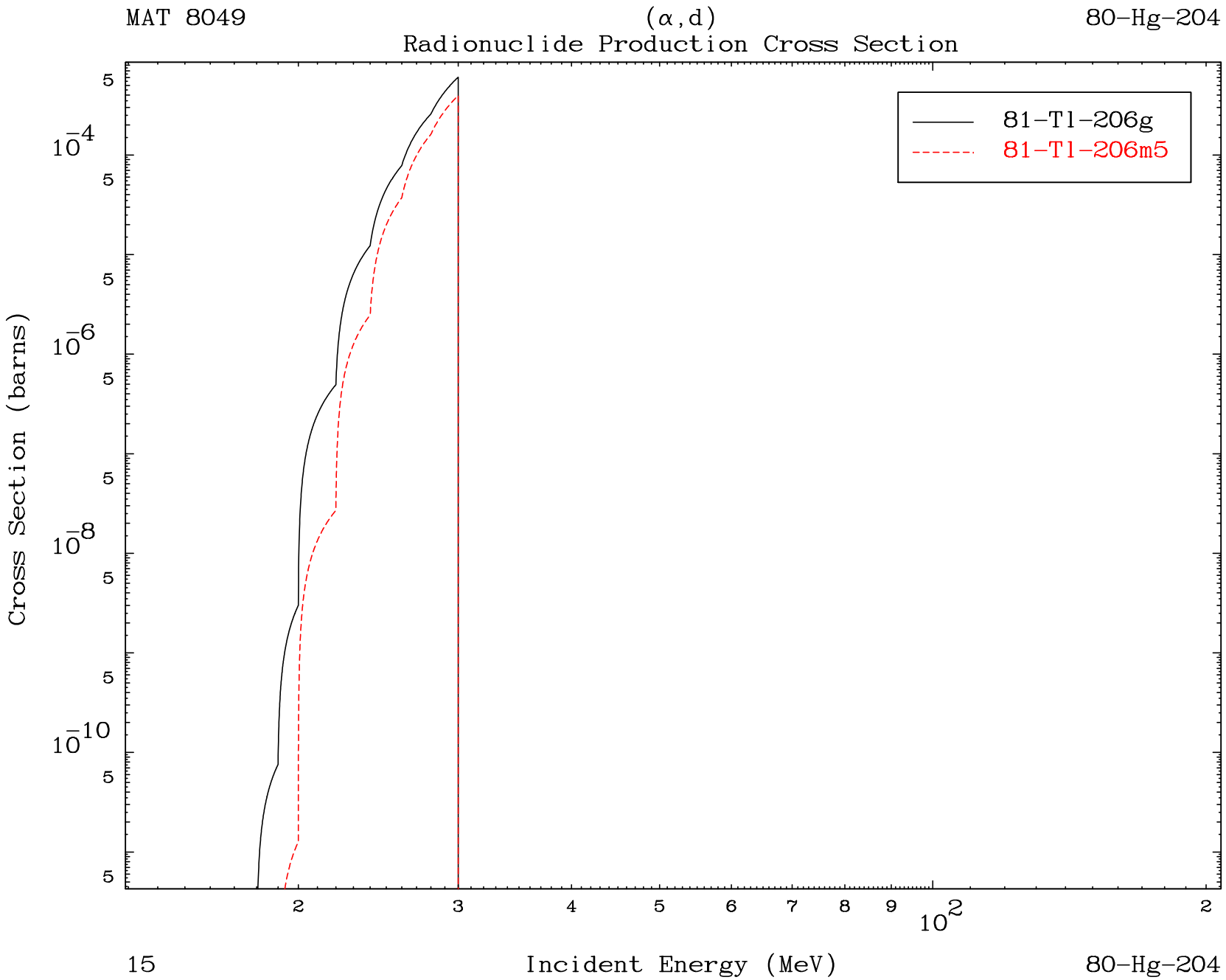

MAT 8049
(α,α) Levels
80-Hg-204
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
80-Hg-204


MAT 8049
α Inelastic
80-Hg-204
Radionuclide Production Cross Section
82-Pb-207g
82-Pb-207m3
Cross Section (barns)
Incident Energy (MeV)
11
80-Hg-204


MAT 8049
α Fission
80-Hg-204
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
12
80-Hg-204


MAT 8049
(α,n') p
80-Hg-204
Radionuclide Production Cross Section
81-Tl-206g
81-Tl-206m5
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
13
80-Hg-204


MAT 8049
(α,p)
80-Hg-204
Radionuclide Production Cross Section
81-Tl-207g
81-Tl-207m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
80-Hg-204


MAT 8049
(α,d)
80-Hg-204
Radionuclide Production Cross Section
81-Tl-206g
81-Tl-206m5
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
80-Hg-204