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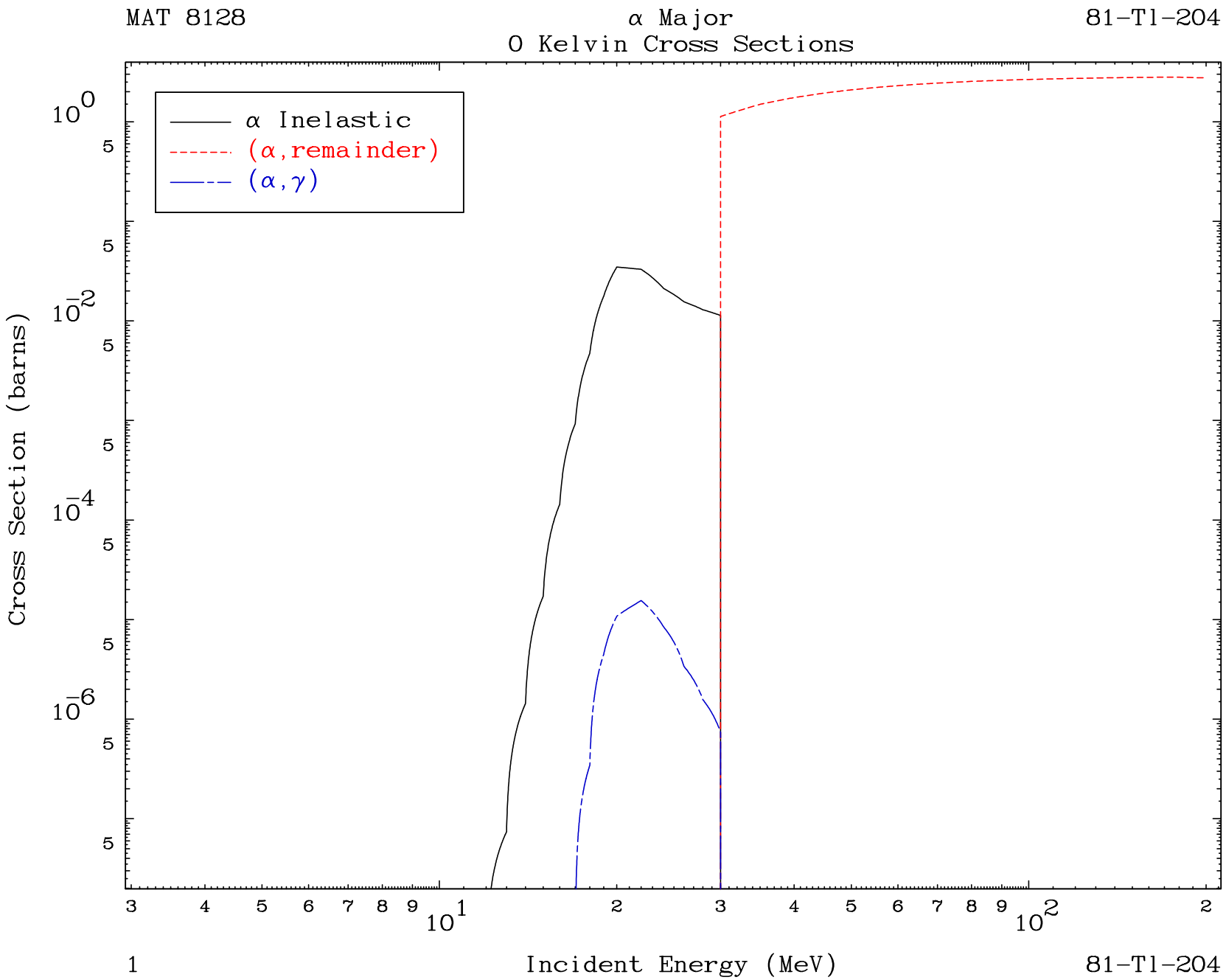
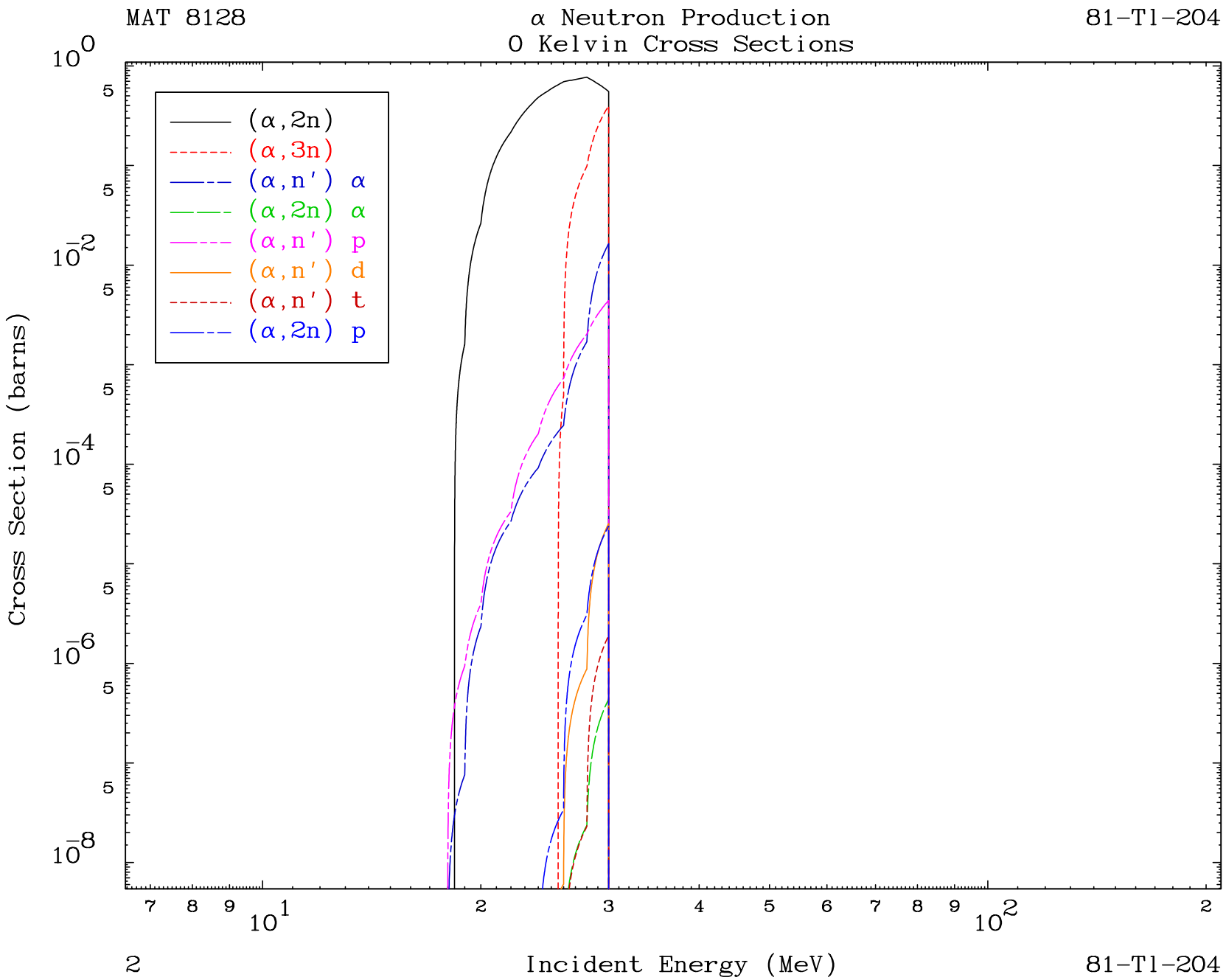
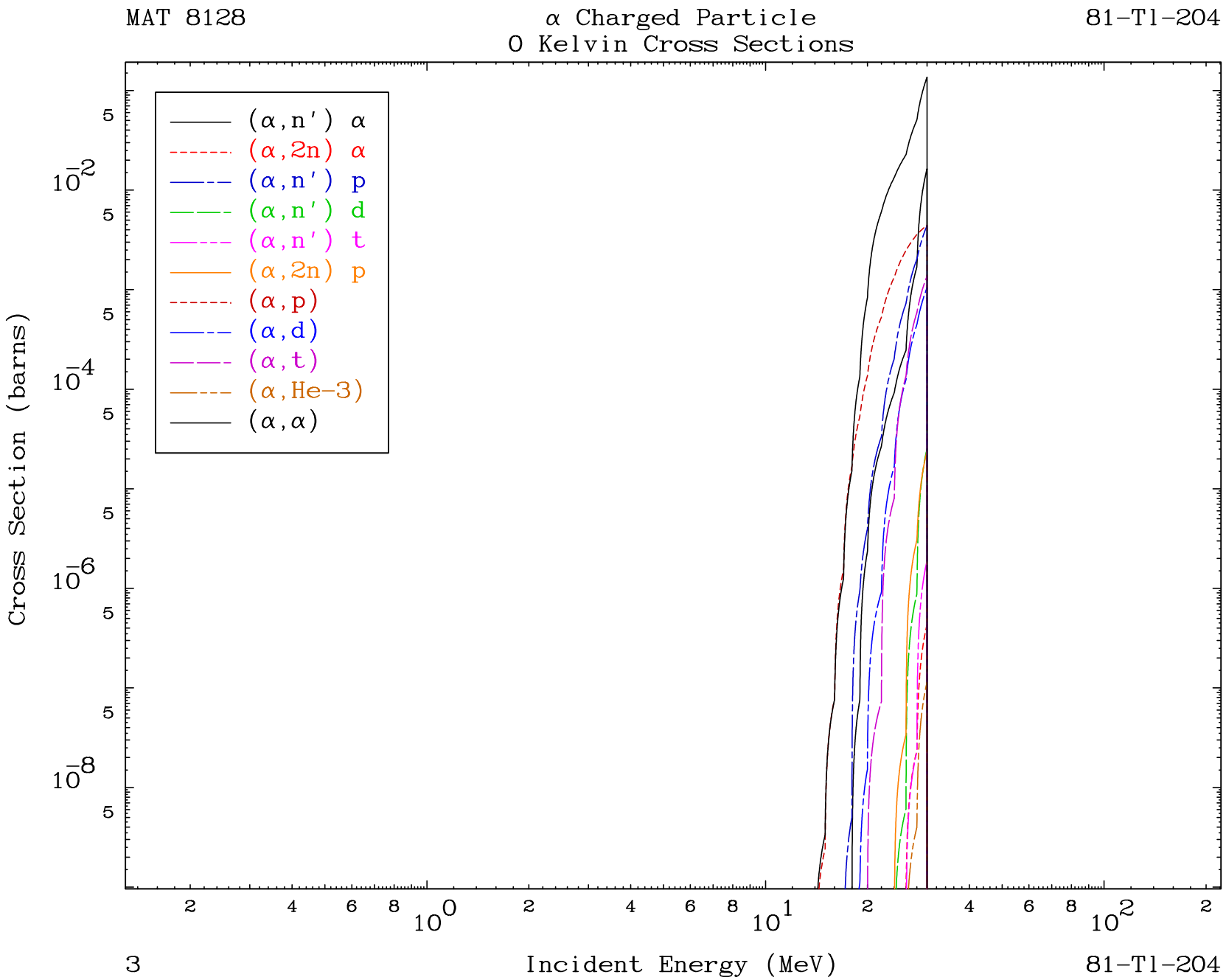
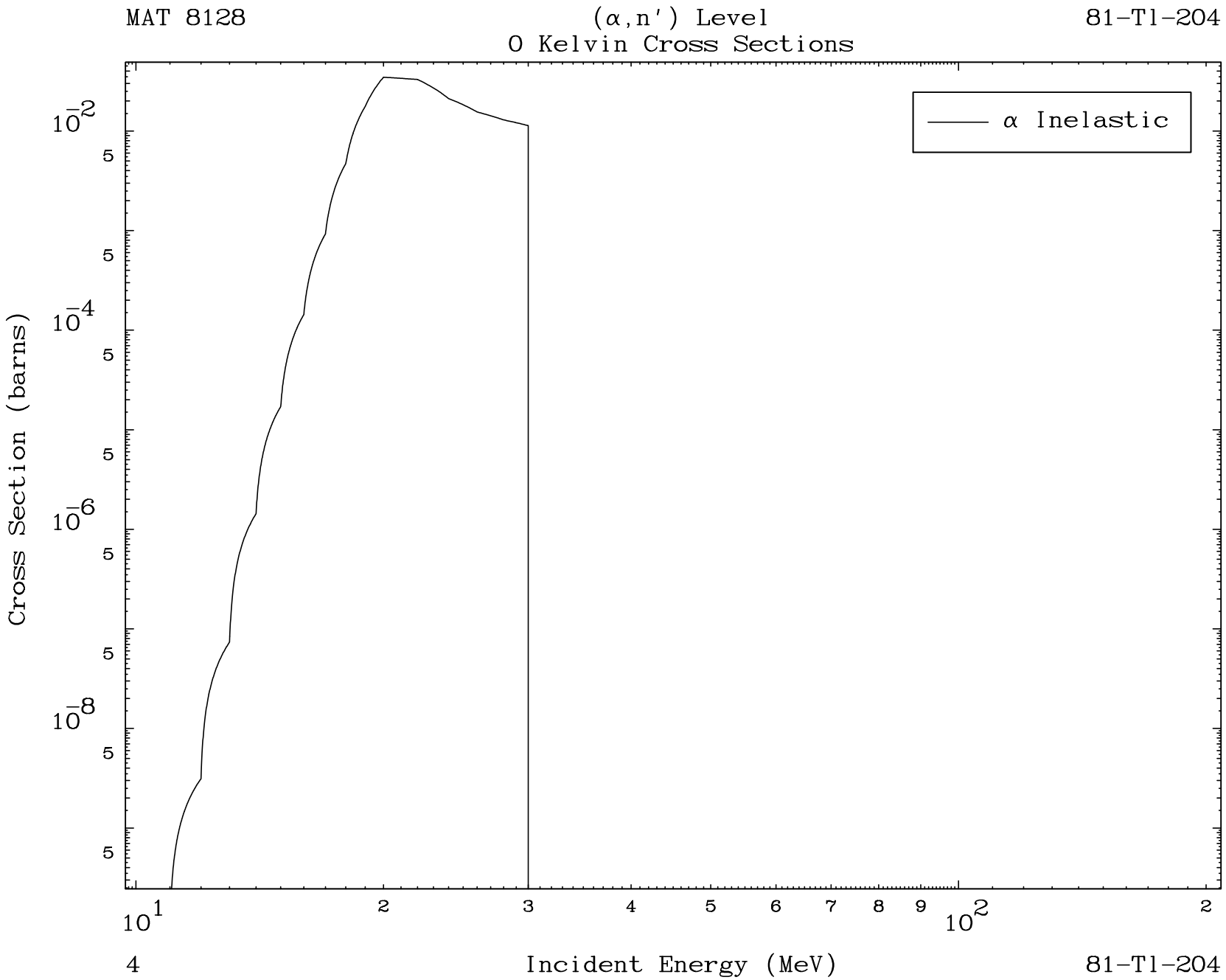
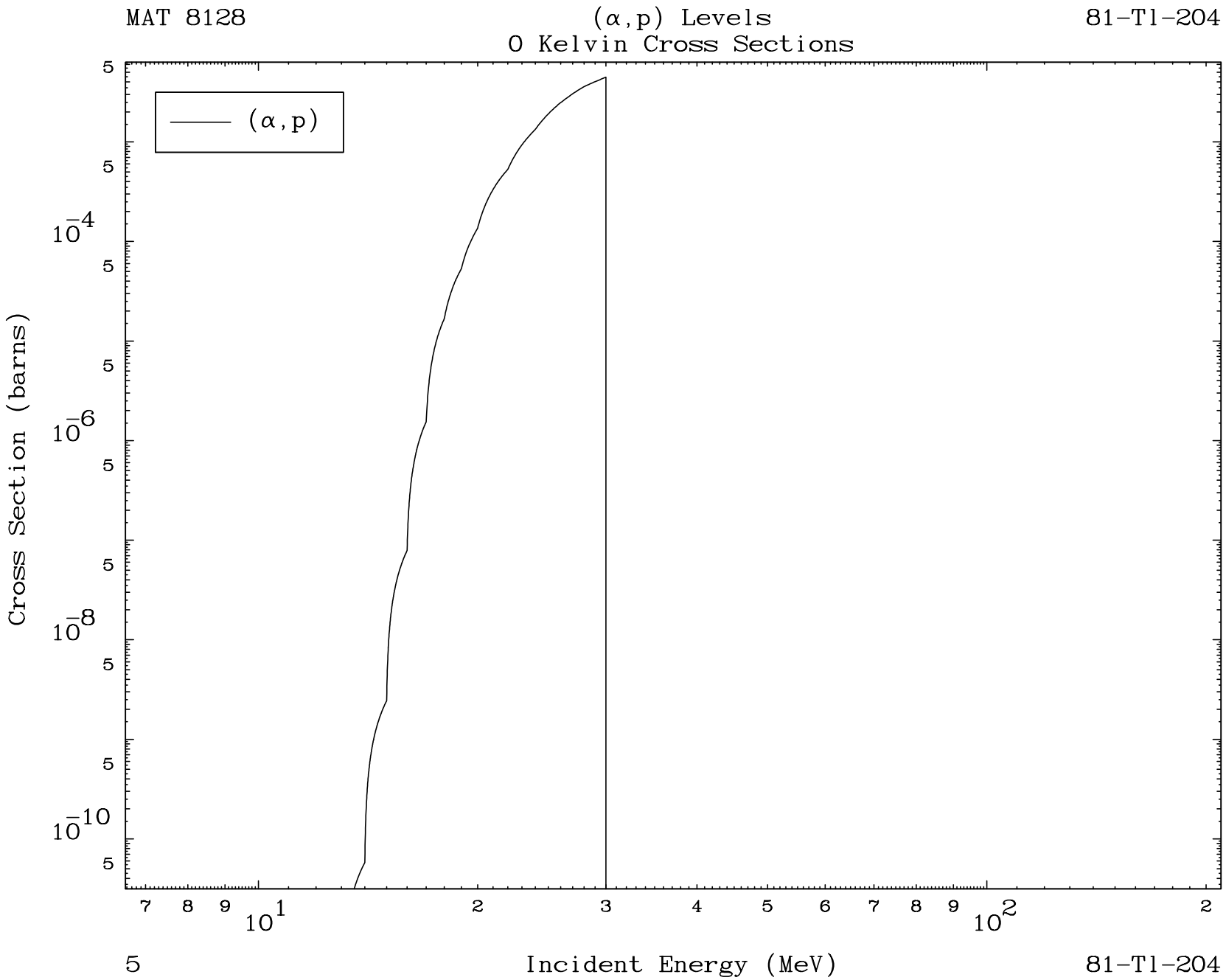
Press Mouse Button to Start

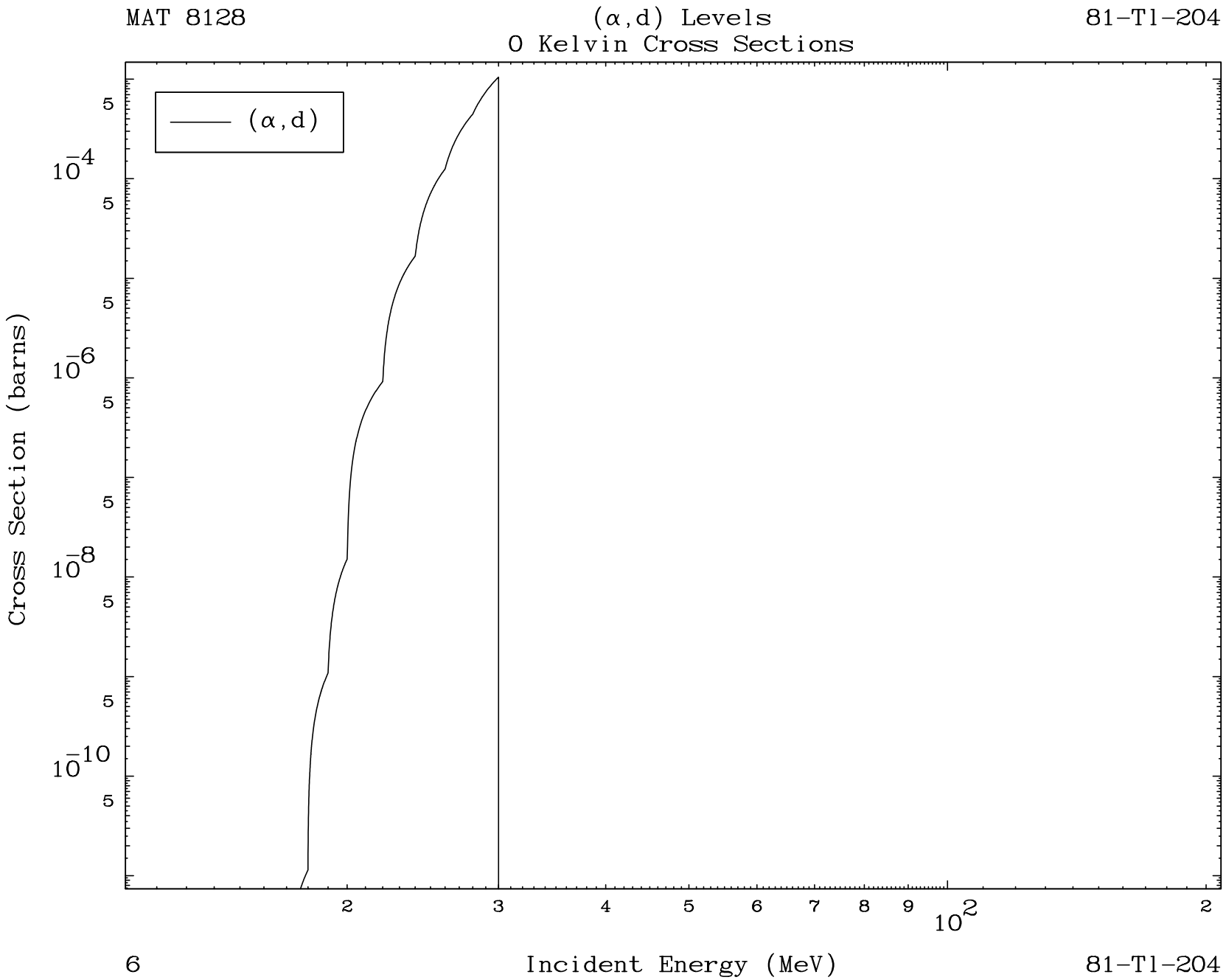

MAT 8128
α Major
81-Tl-204
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-204

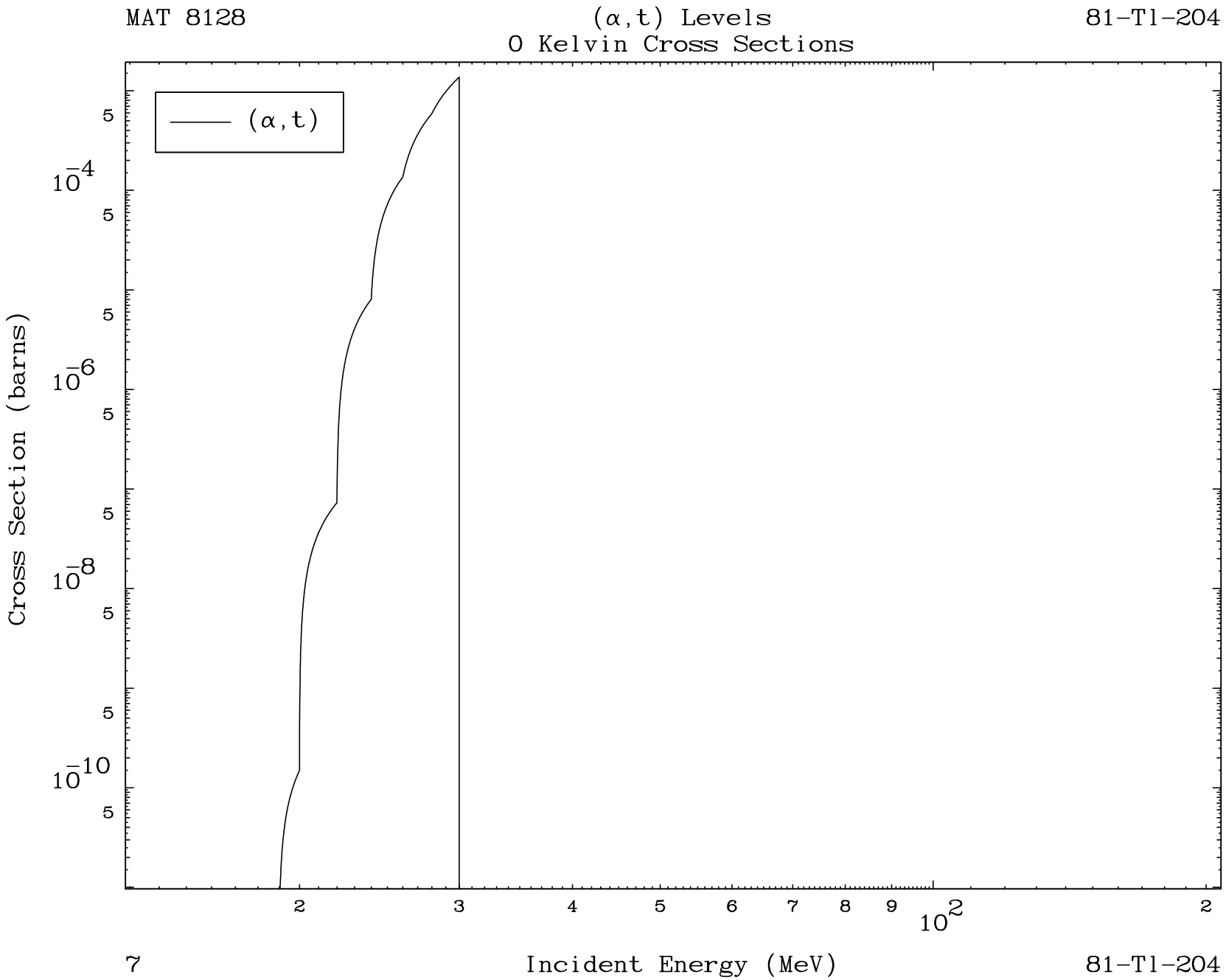

MAT 8128
α Neutron Production
0 Kelvin Cross Sections
81-Tl-204
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
81-Tl-204


MAT 8128
α Charged Particle
0 Kelvin Cross Sections
81-Tl-204
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
3
81-Tl-204

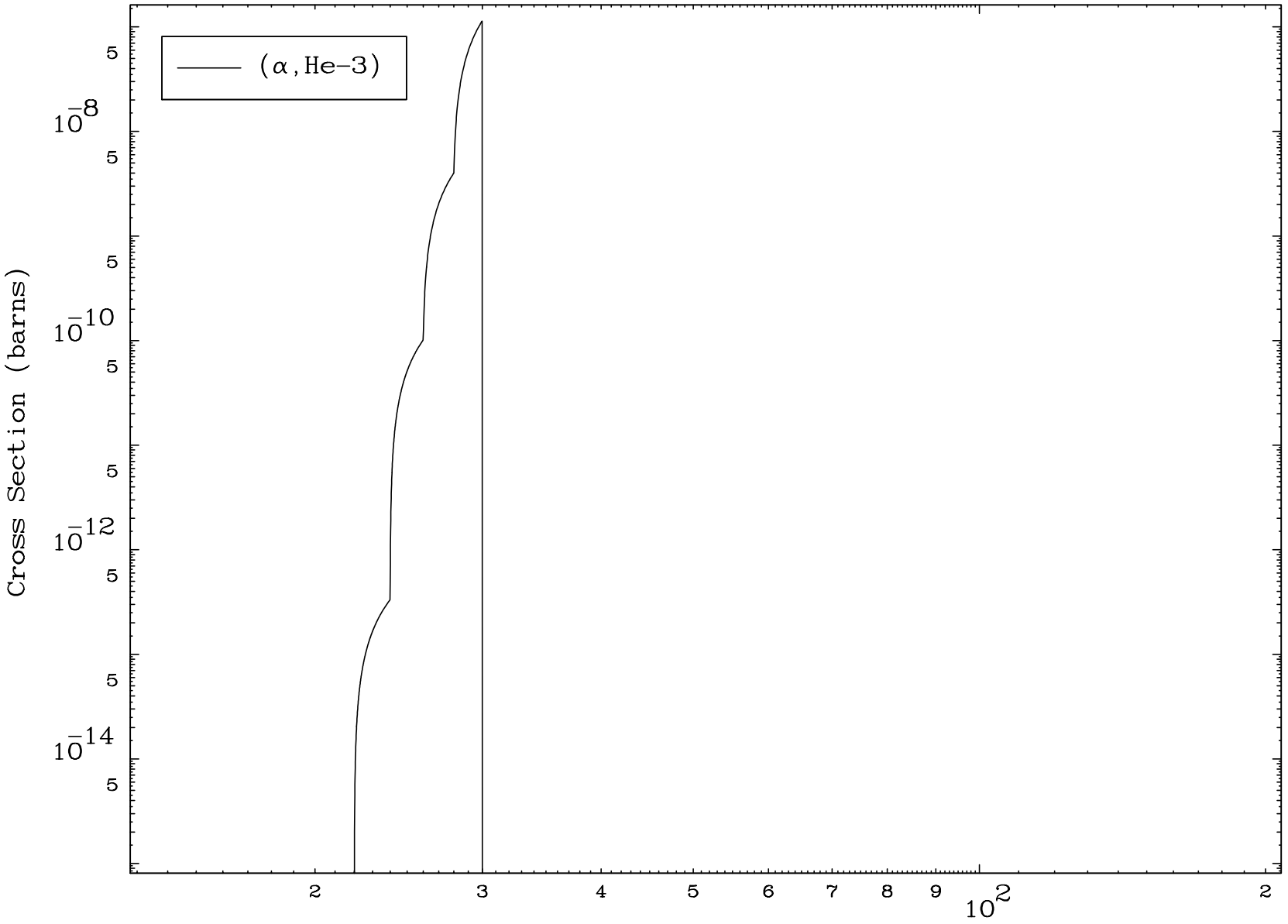

MAT 8128
(α,n') Level
81-Tl-204
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
4
81-Tl-204

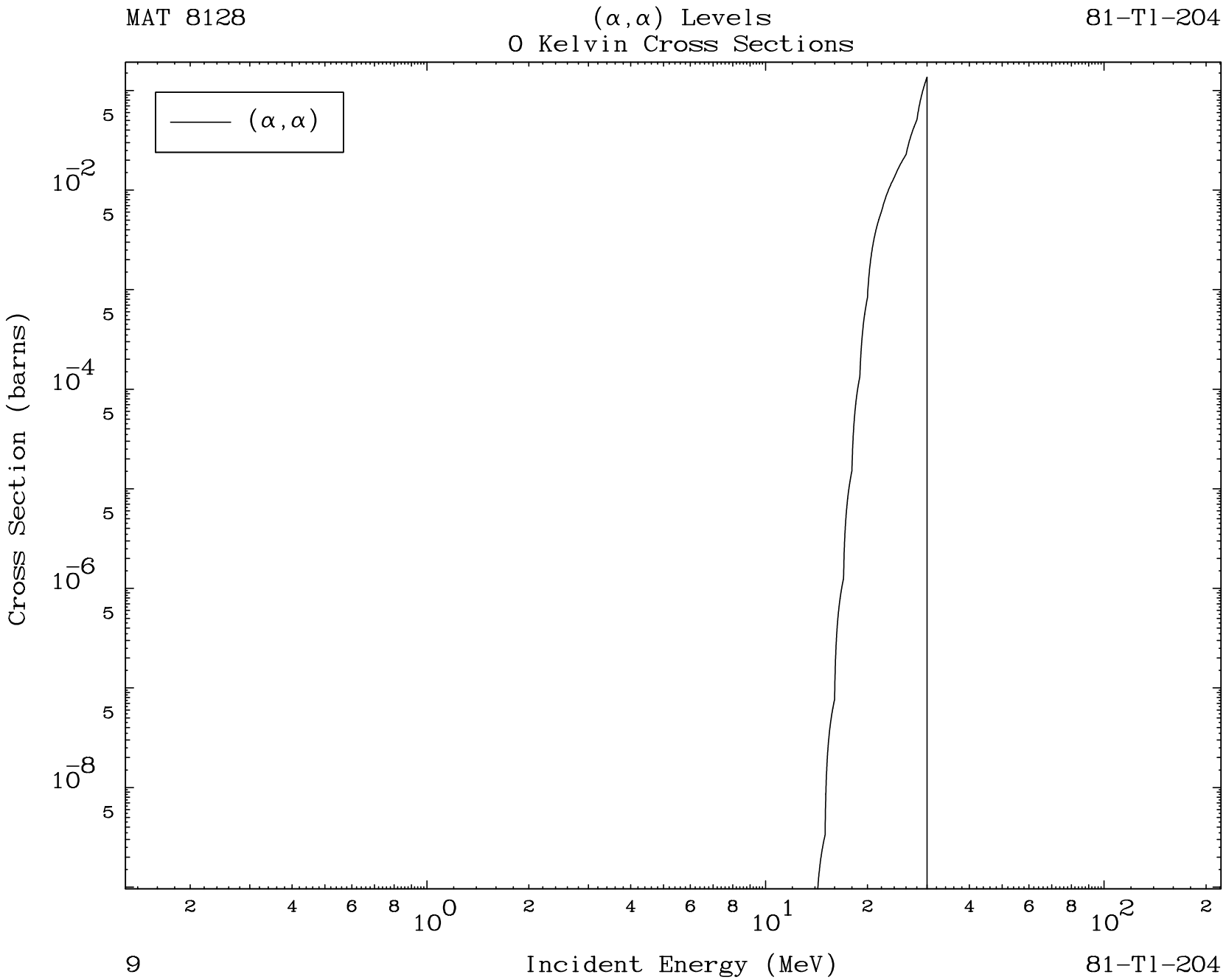

MAT 8128
(α,p) Levels
81-Tl-204
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
81-Tl-204

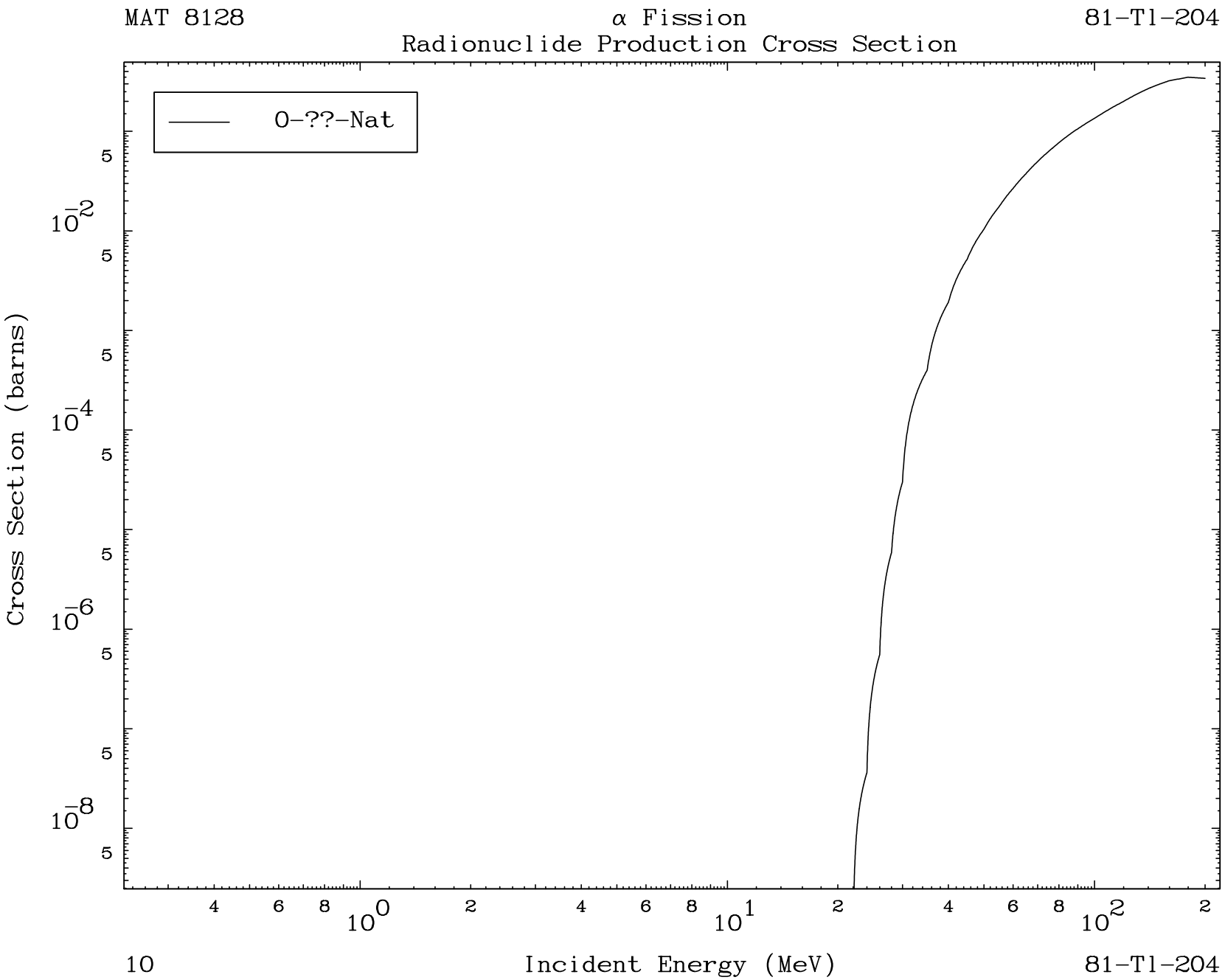

MAT 8128
(α,d) Levels
81-Tl-204
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
6
81-Tl-204

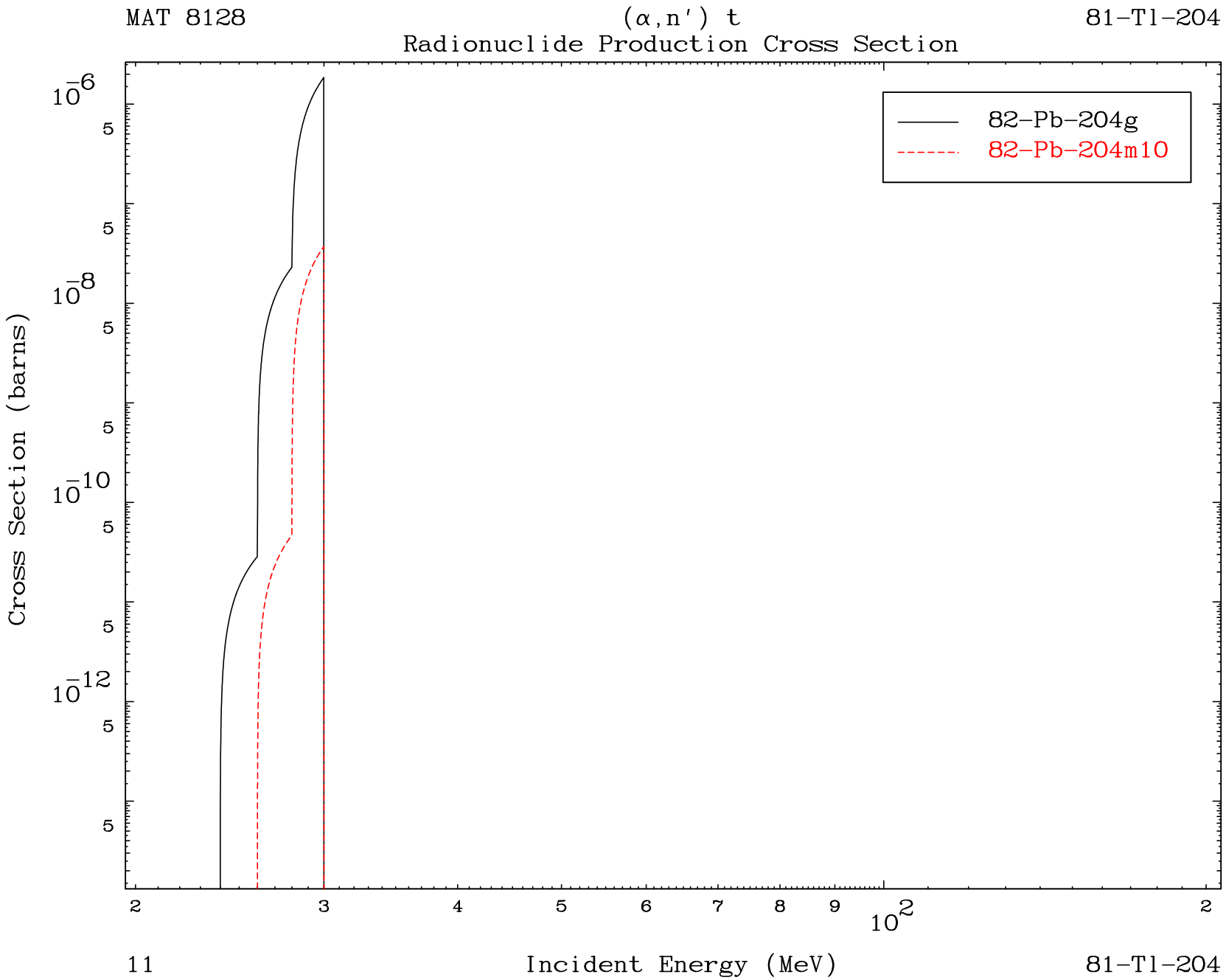

MAT 8128
(α,t) Levels
81-Tl-204
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
81-Tl-204

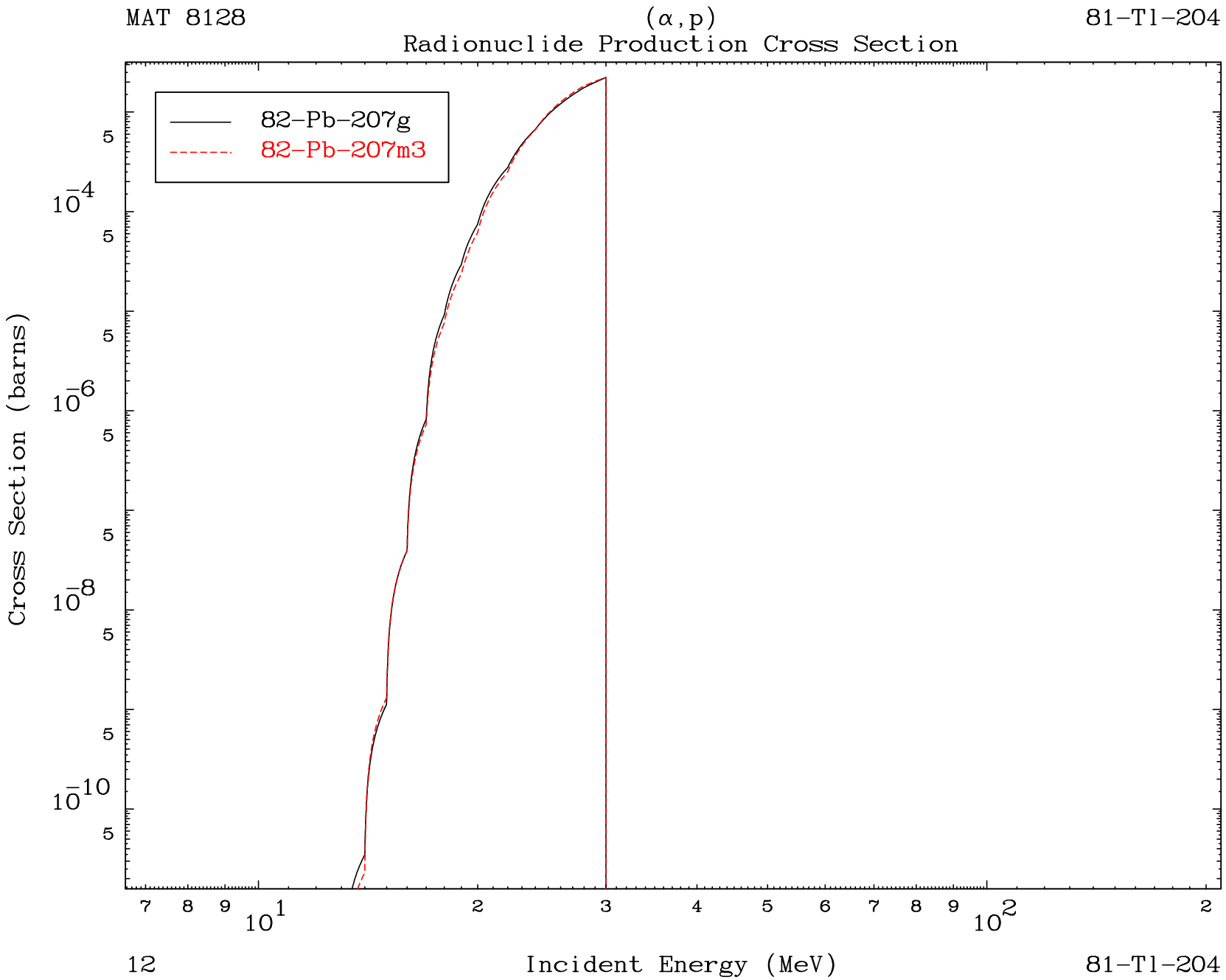
0 Kelvin Cross Sections




MAT 8128
(α,α) Levels
81-Tl-204
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
101
102
2
4
6
8
Incident Energy (MeV)
9
81-Tl-204


MAT 8128
α Fission
81-Tl-204
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
81-Tl-204


MAT 8128
(α,n') t
81-Tl-204
Radionuclide Production Cross Section
82-Pb-204g
82-Pb-204m10
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
81-Tl-204


MAT 8128
(α,p)
81-Tl-204
Radionuclide Production Cross Section
82-Pb-207g
82-Pb-207m3
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
12
81-Tl-204