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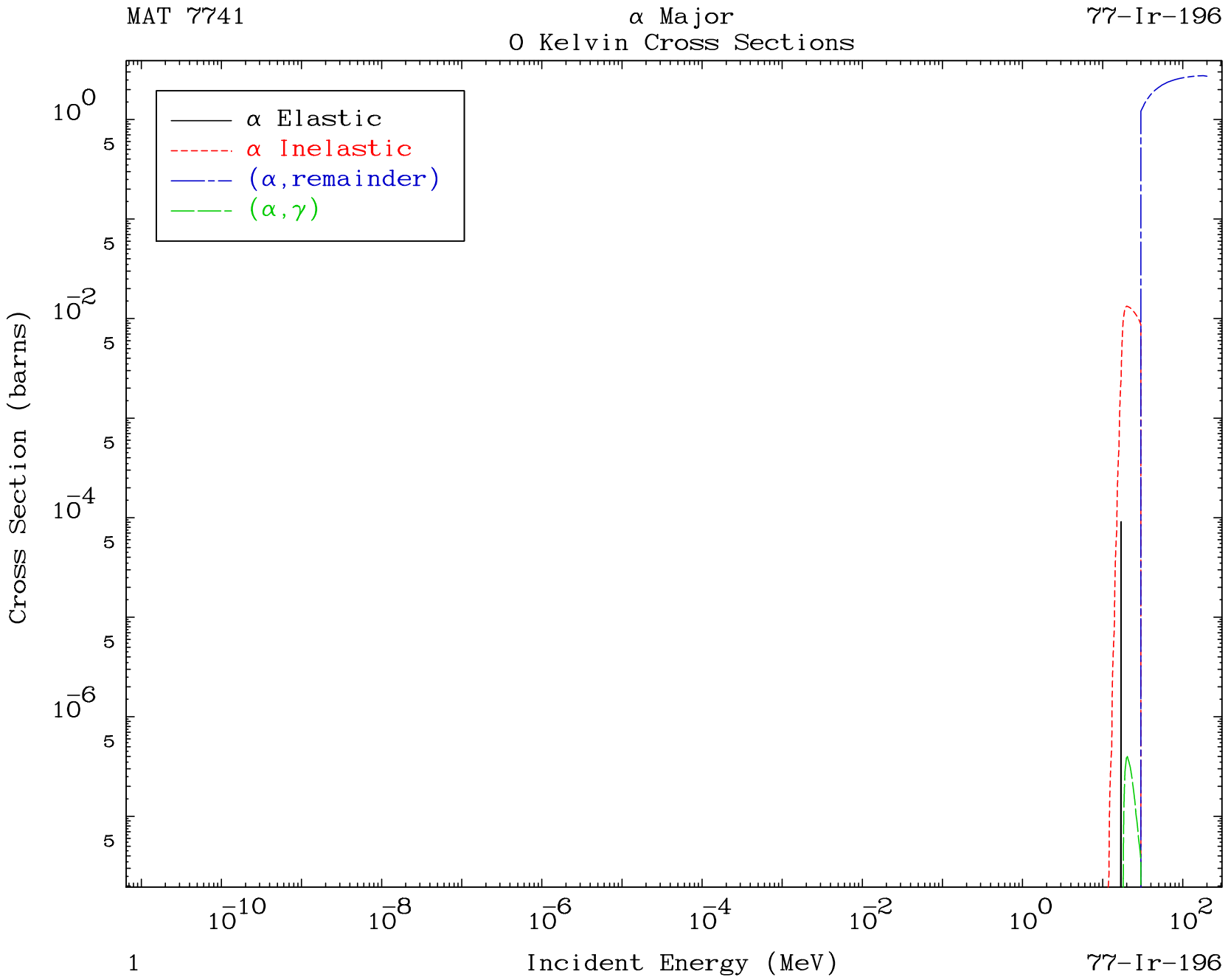
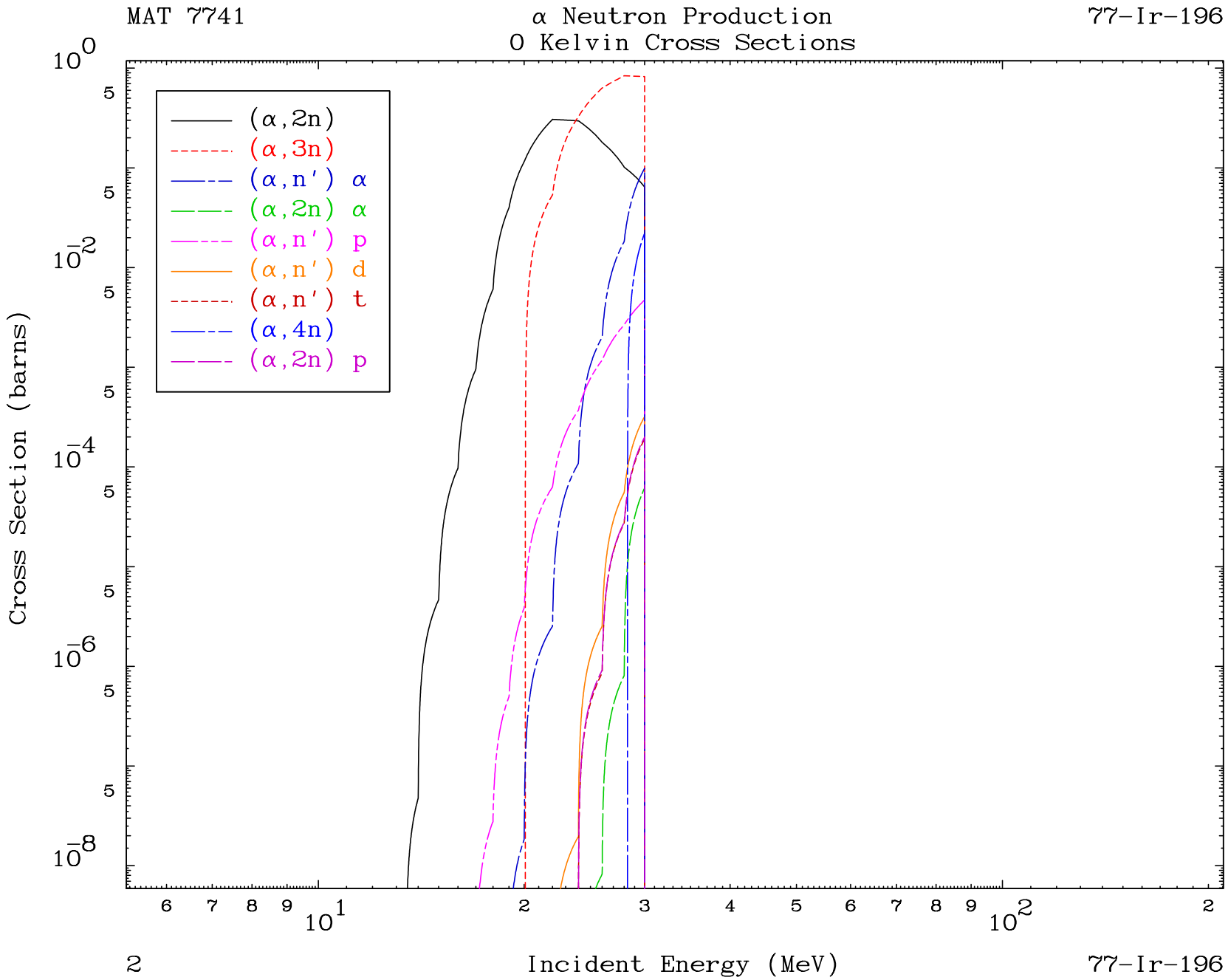
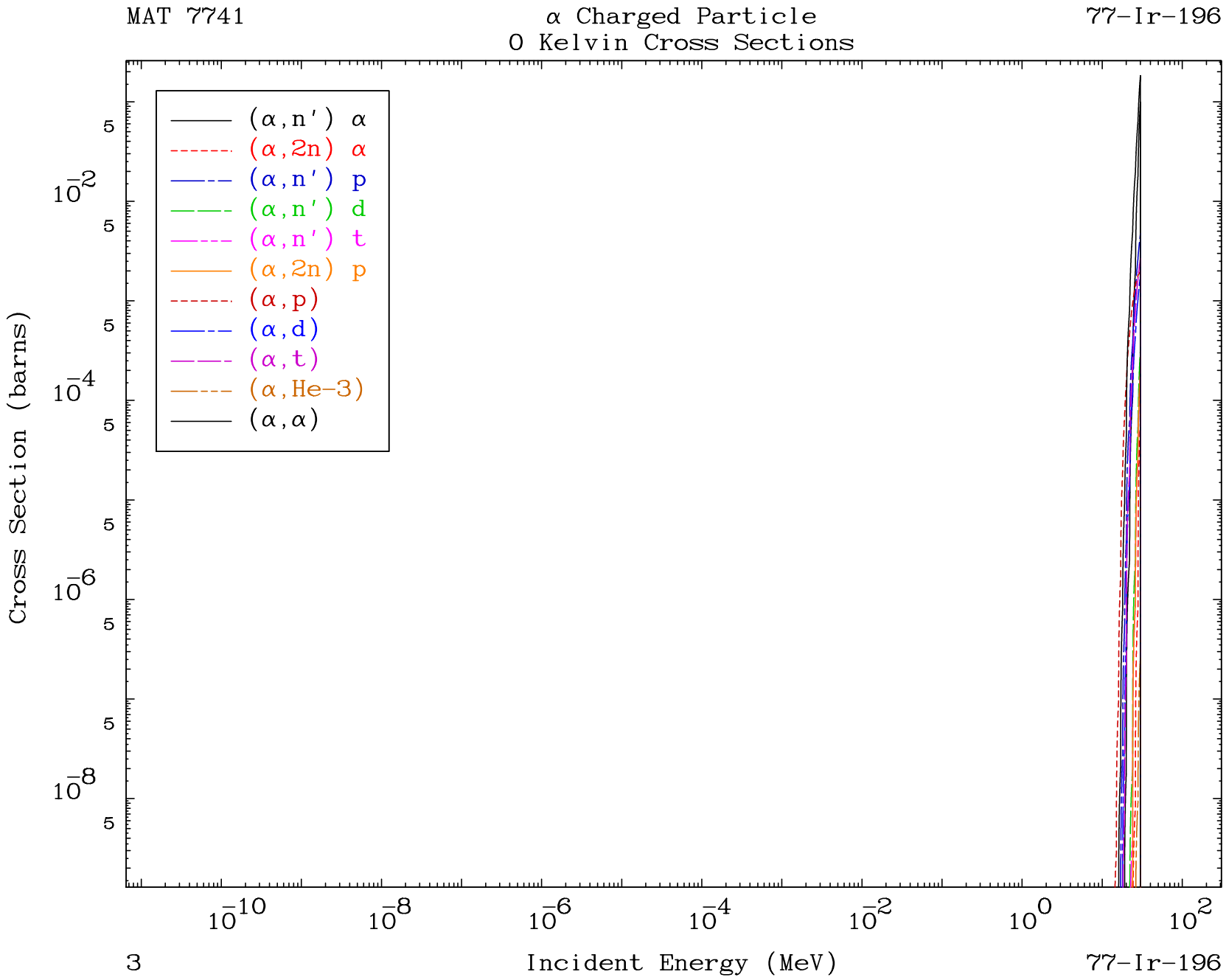
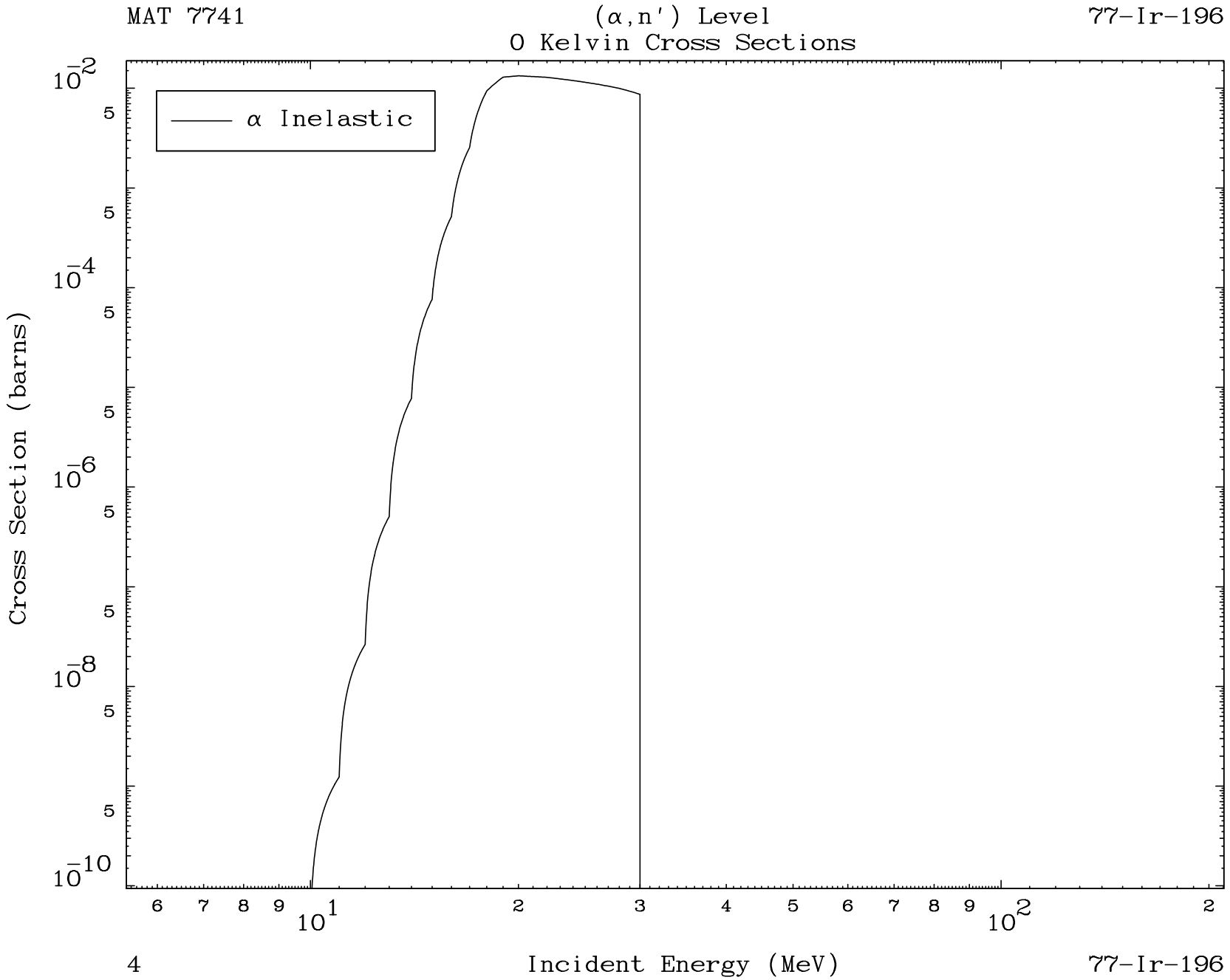
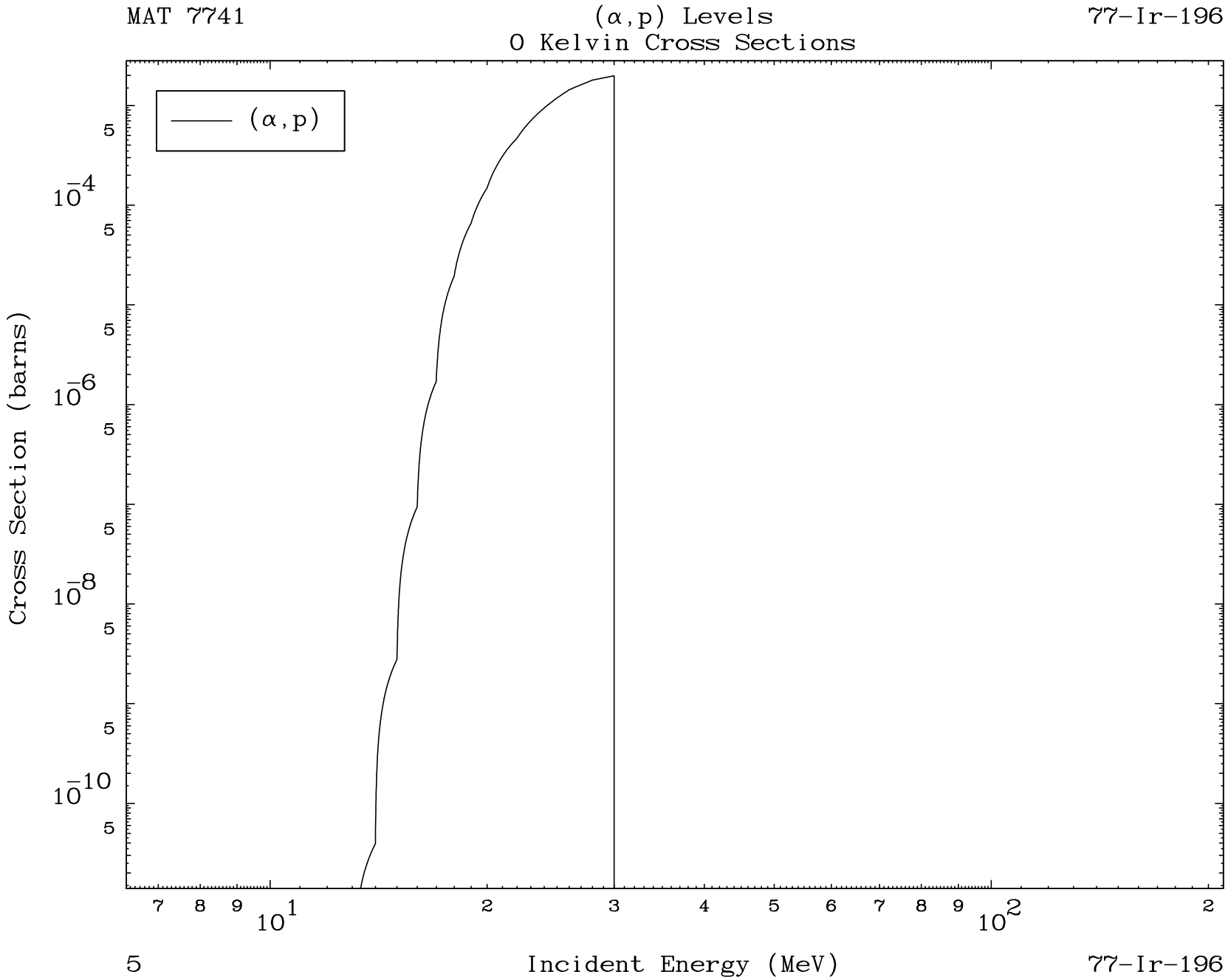
Press Mouse Button to Start

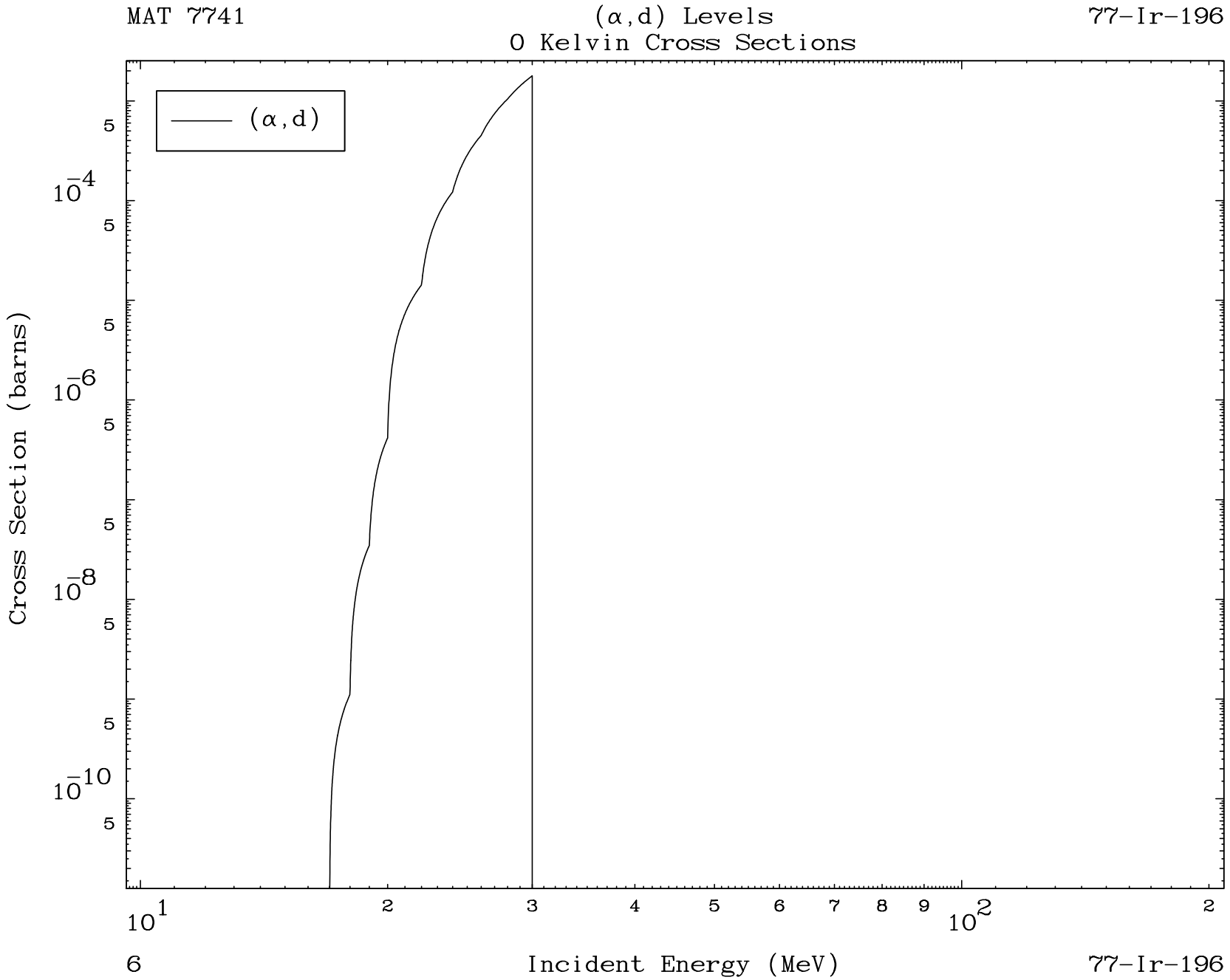

MAT 7741
α Major
77-Ir-196
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
77-Ir-196

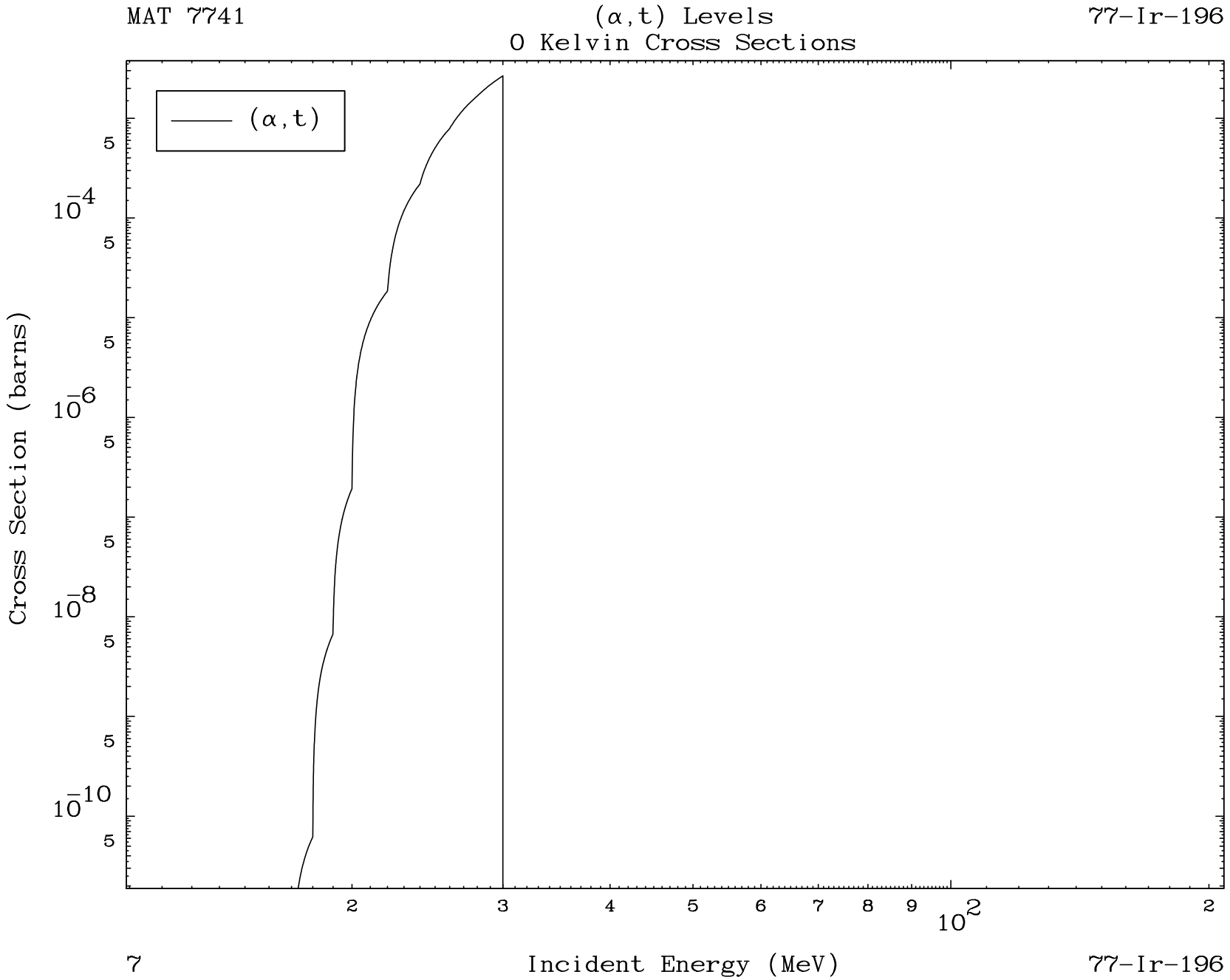

MAT 7741
α Neutron Production
0 Kelvin Cross Sections
77-Ir-196
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
77-Ir-196

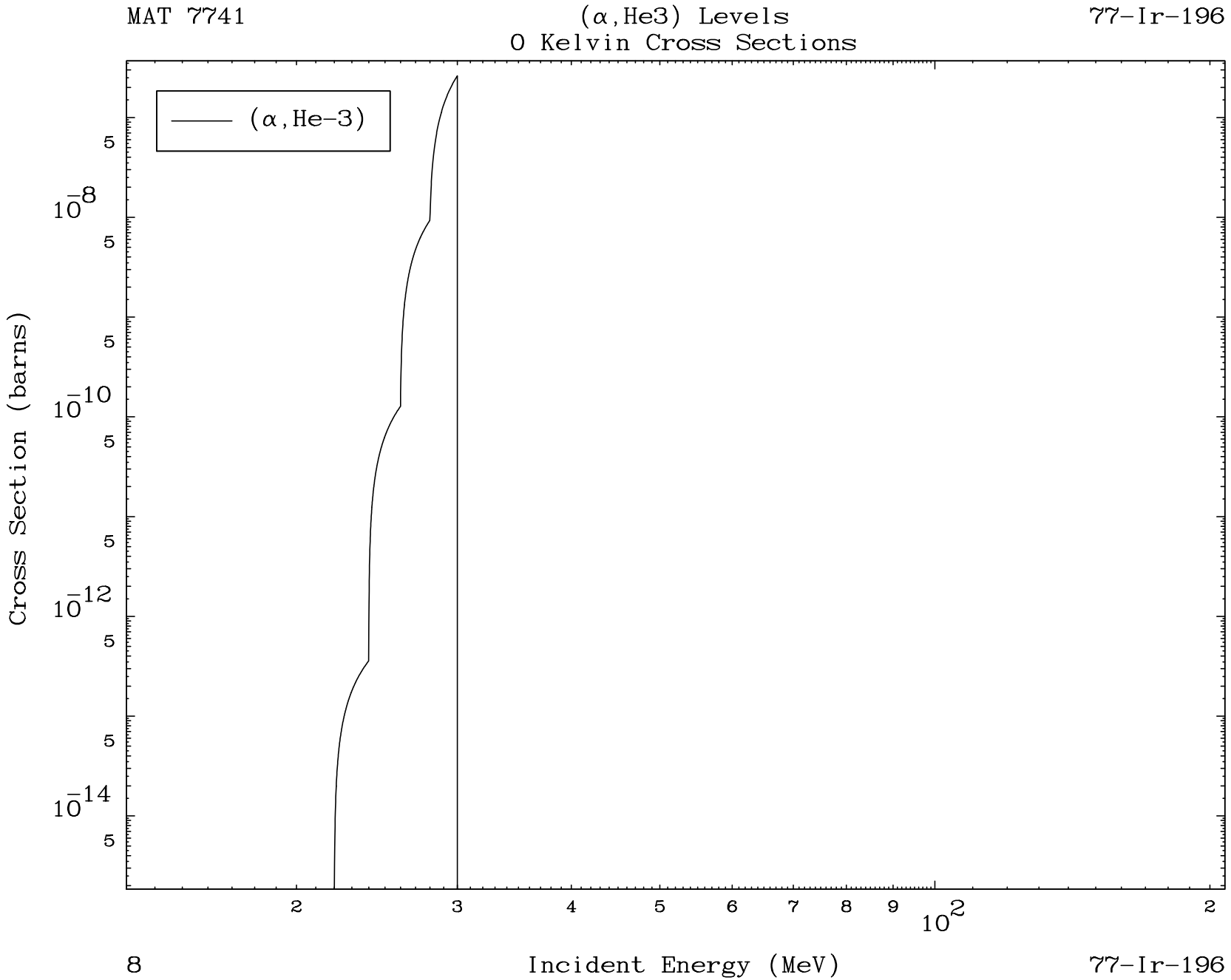

MAT 7741
α Charged Particle
0 Kelvin Cross Sections
77-Ir-196
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
3
77-Ir-196

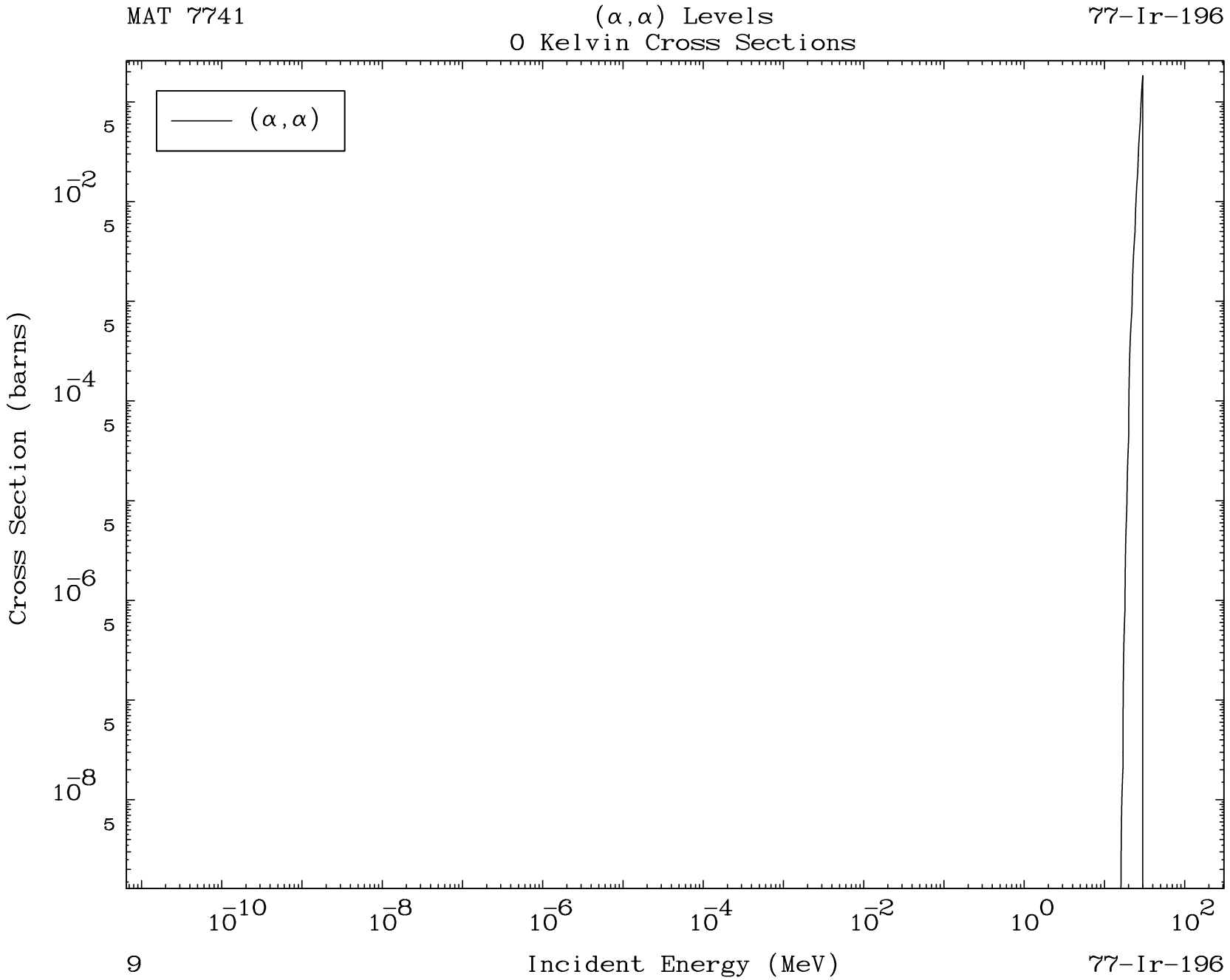

MAT 7741
(α,n') Level
77-Ir-196
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
4
77-Ir-196

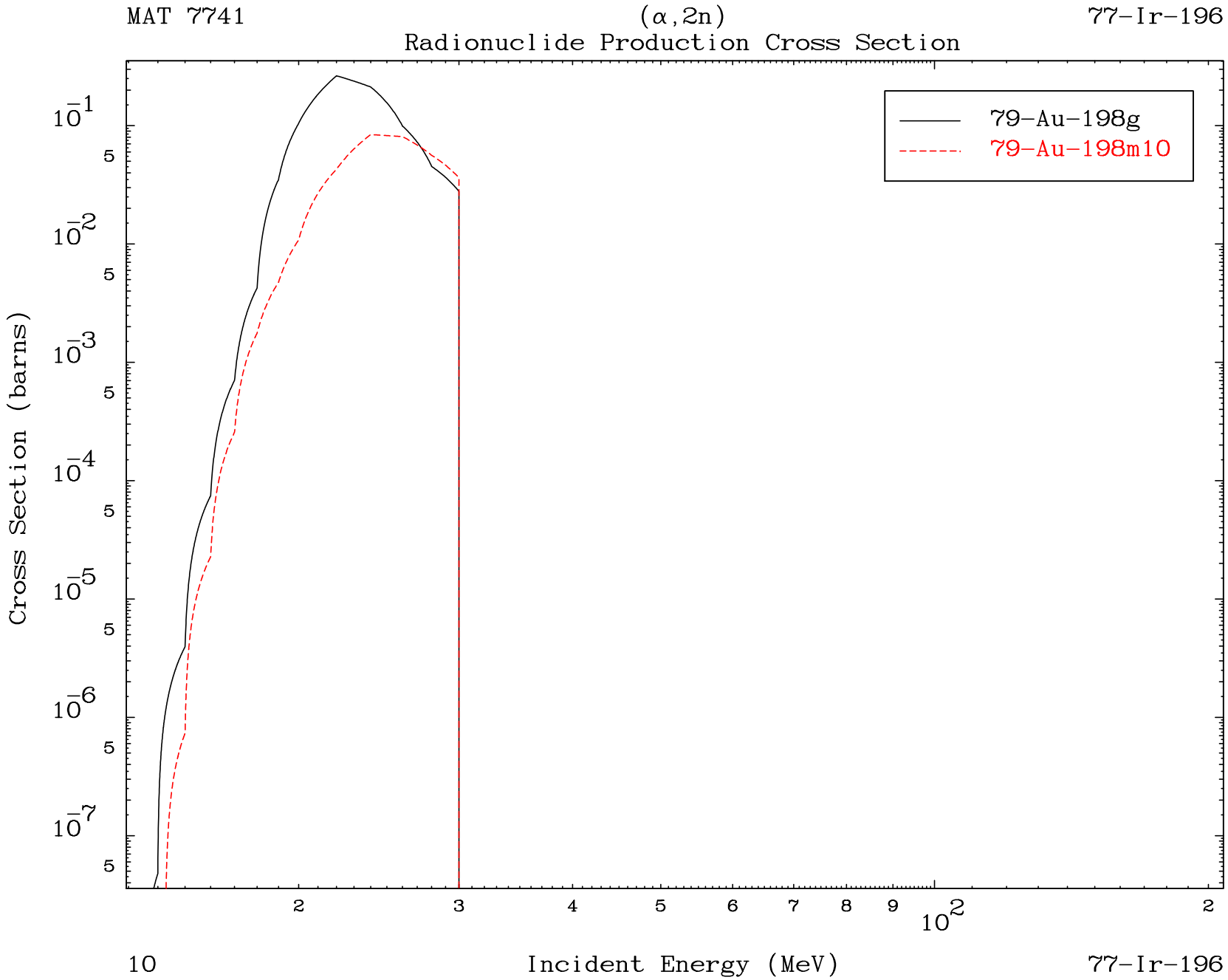

MAT 7741
(α,p) Levels
77-Ir-196
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
77-Ir-196

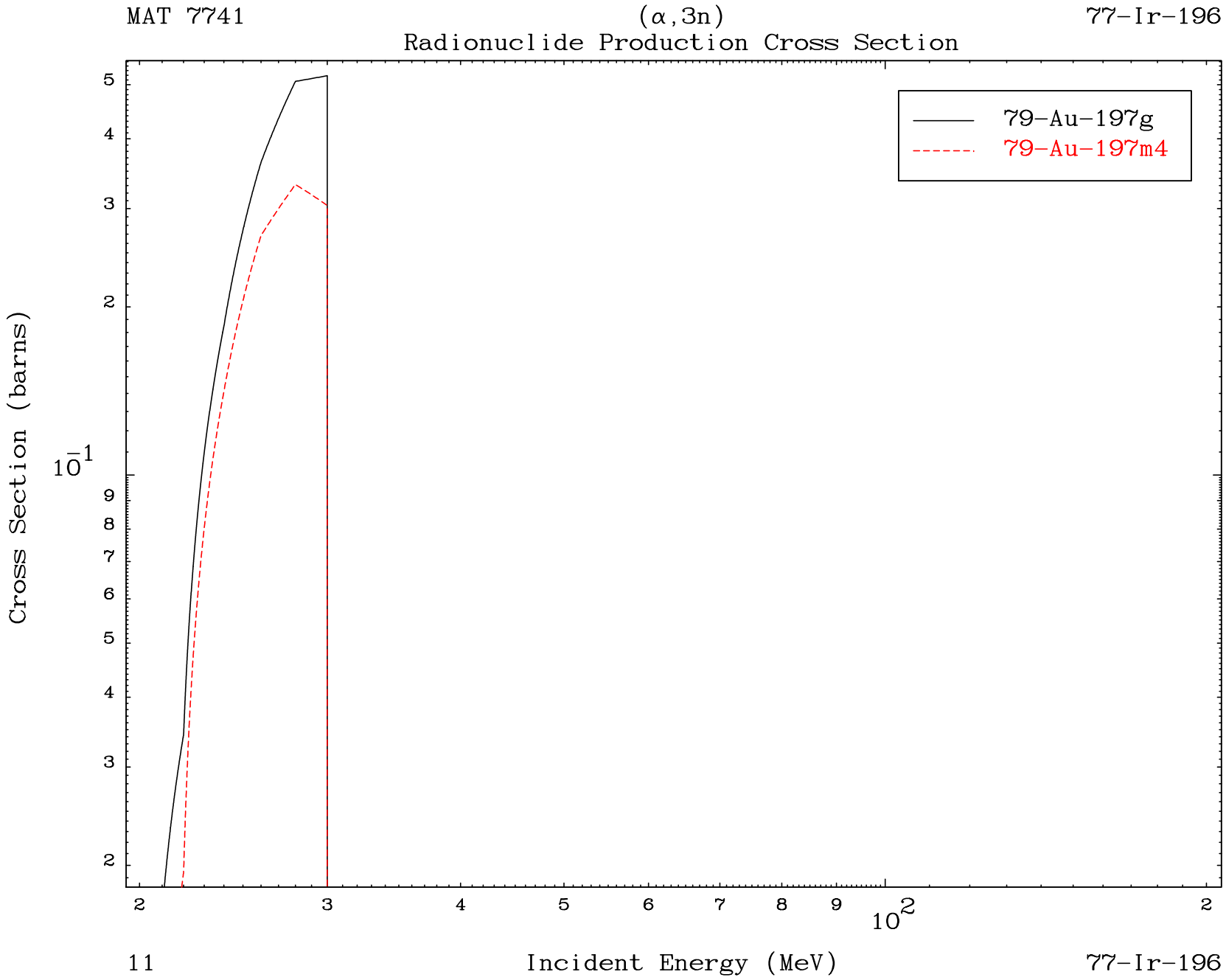

MAT 7741
(α,d) Levels
77-Ir-196
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
101
102
77-Ir-196

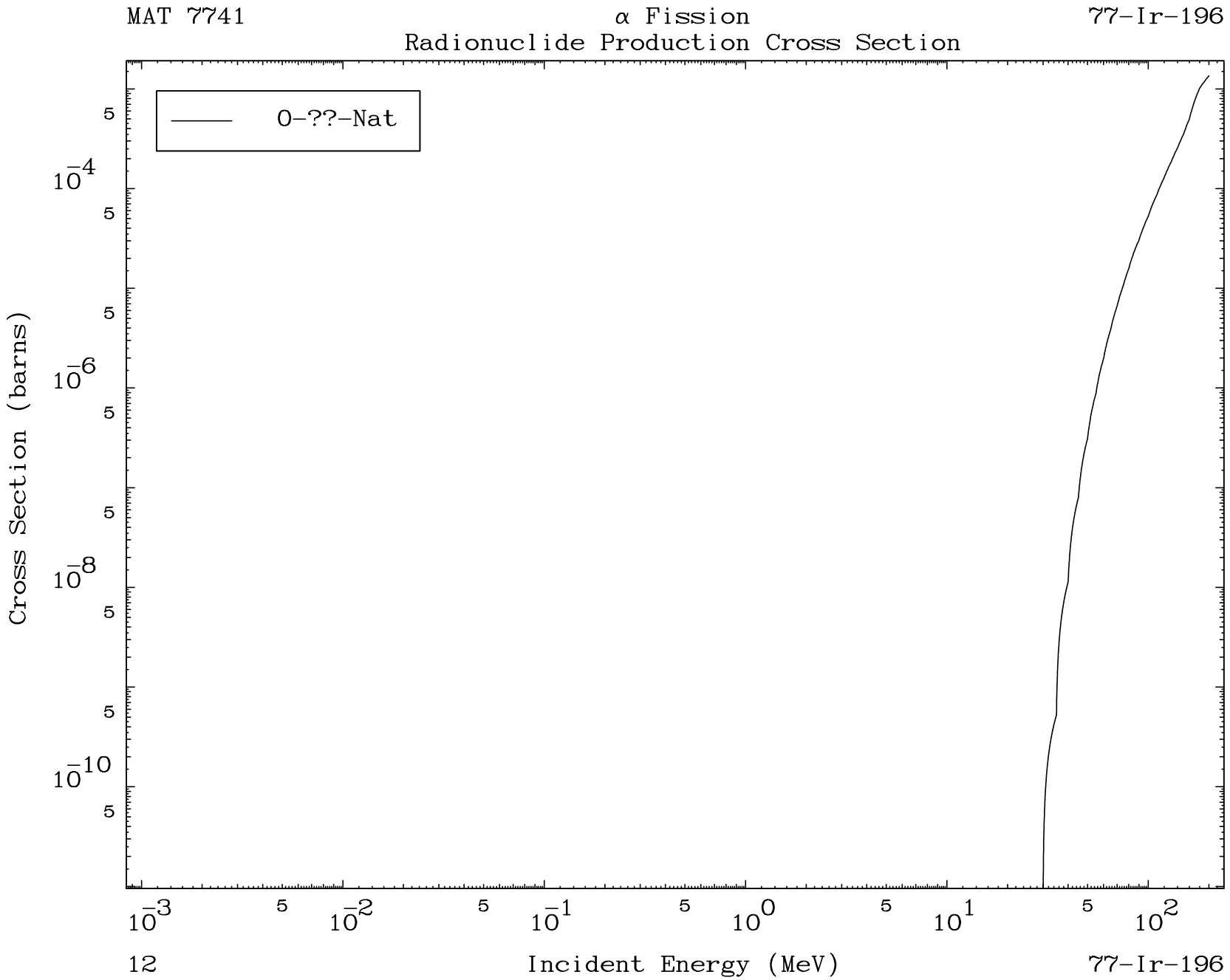

MAT 7741
(α,t) Levels
77-Ir-196
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
77-Ir-196

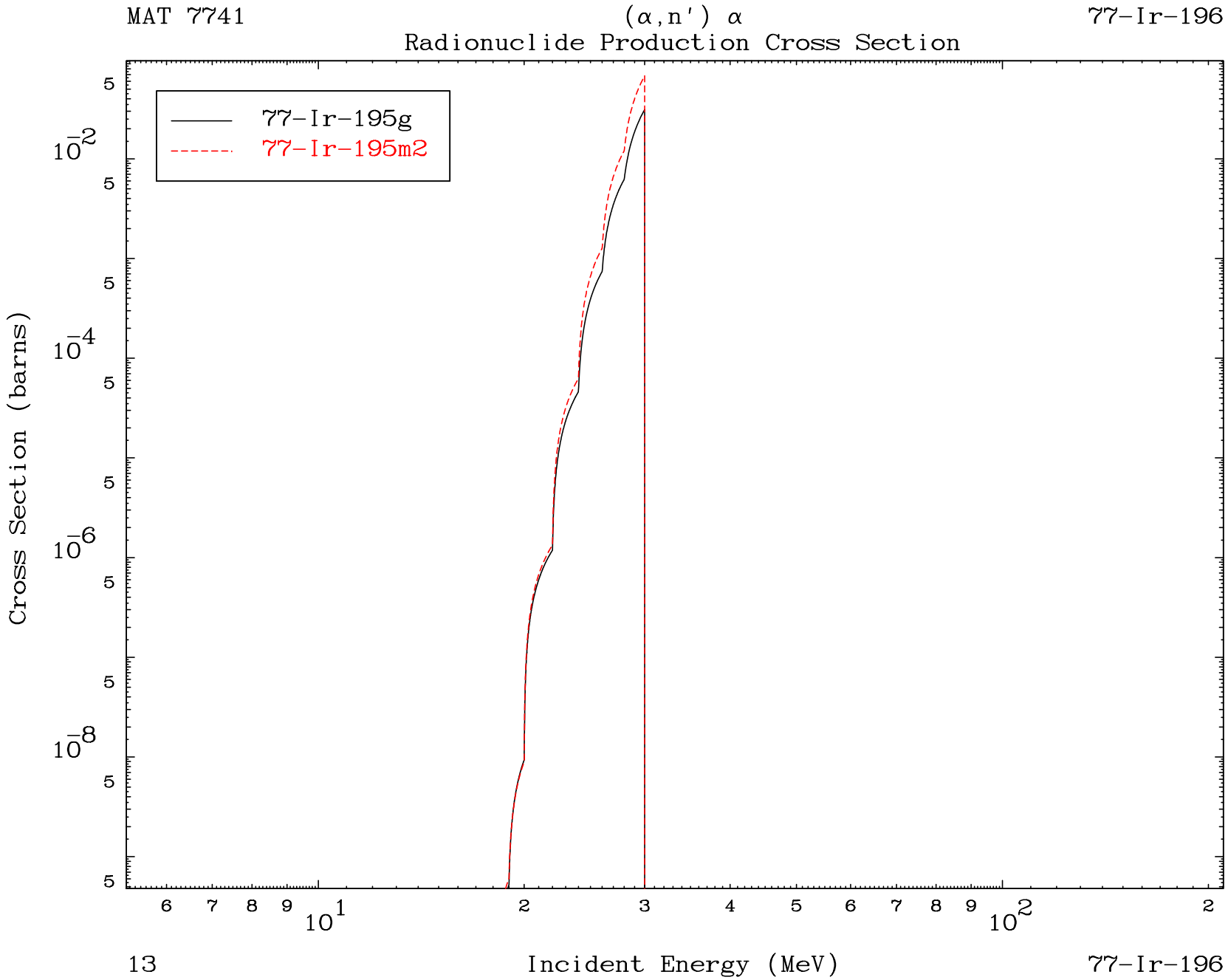

MAT 7741
(α,He3) Levels
77-Ir-196
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
8
77-Ir-196

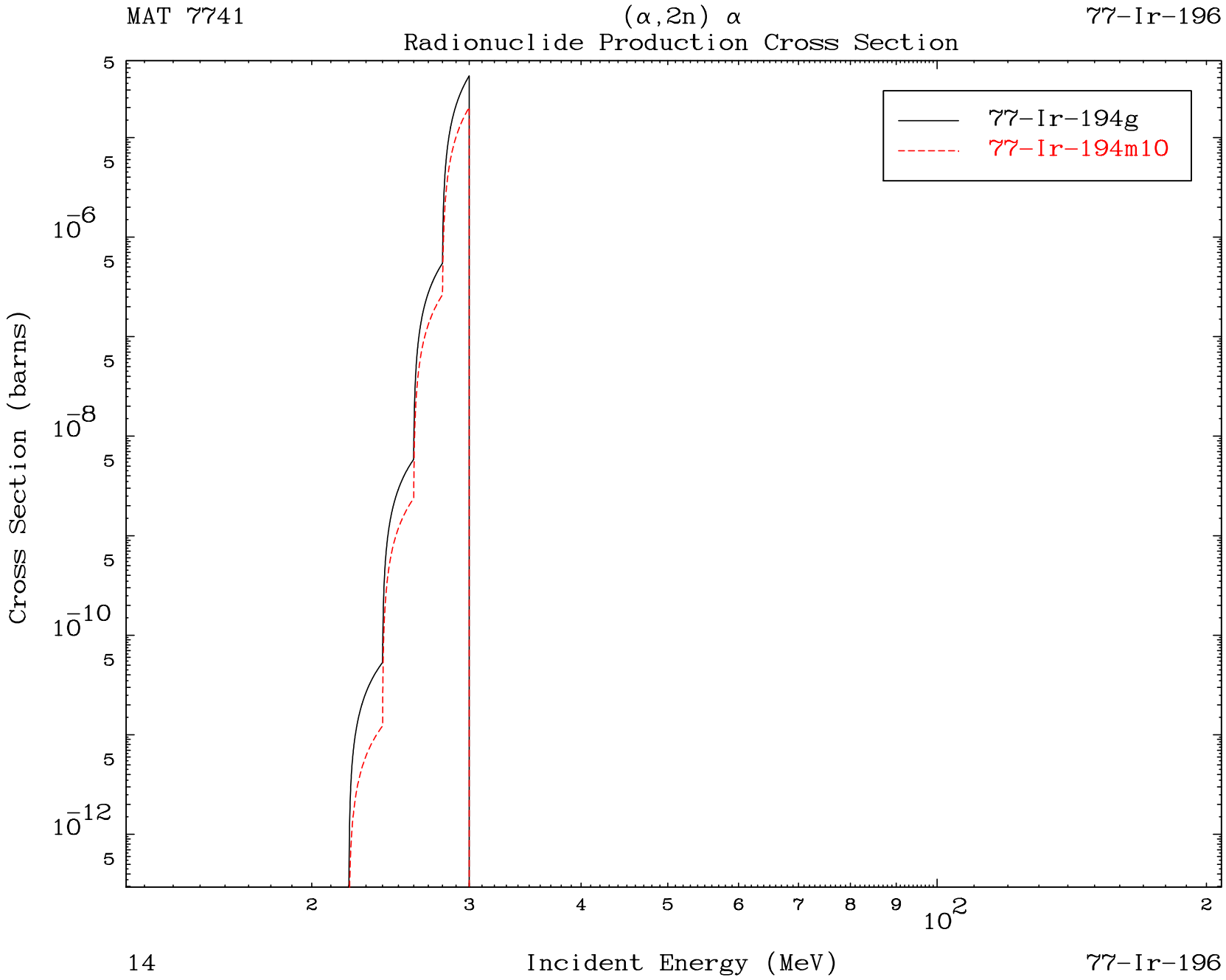

MAT 7741
(α,α) Levels
77-Ir-196
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
9
77-Ir-196

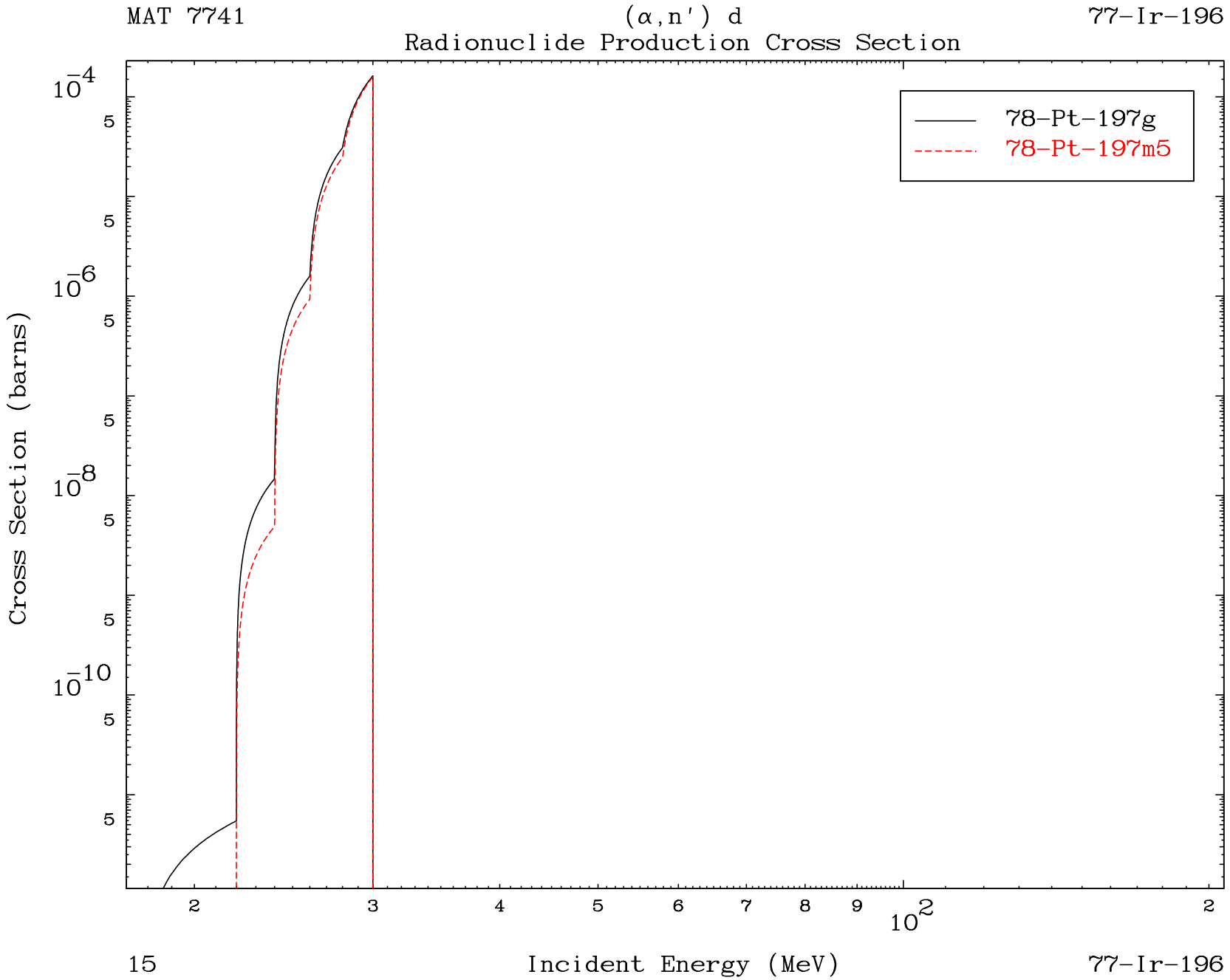

MAT 7741
(α,2n)
77-Ir-196
Radionuclide Production Cross Section
79-Au-198g
79-Au-198m10
Cross Section (barns)
Incident Energy (MeV)
10
77-Ir-196

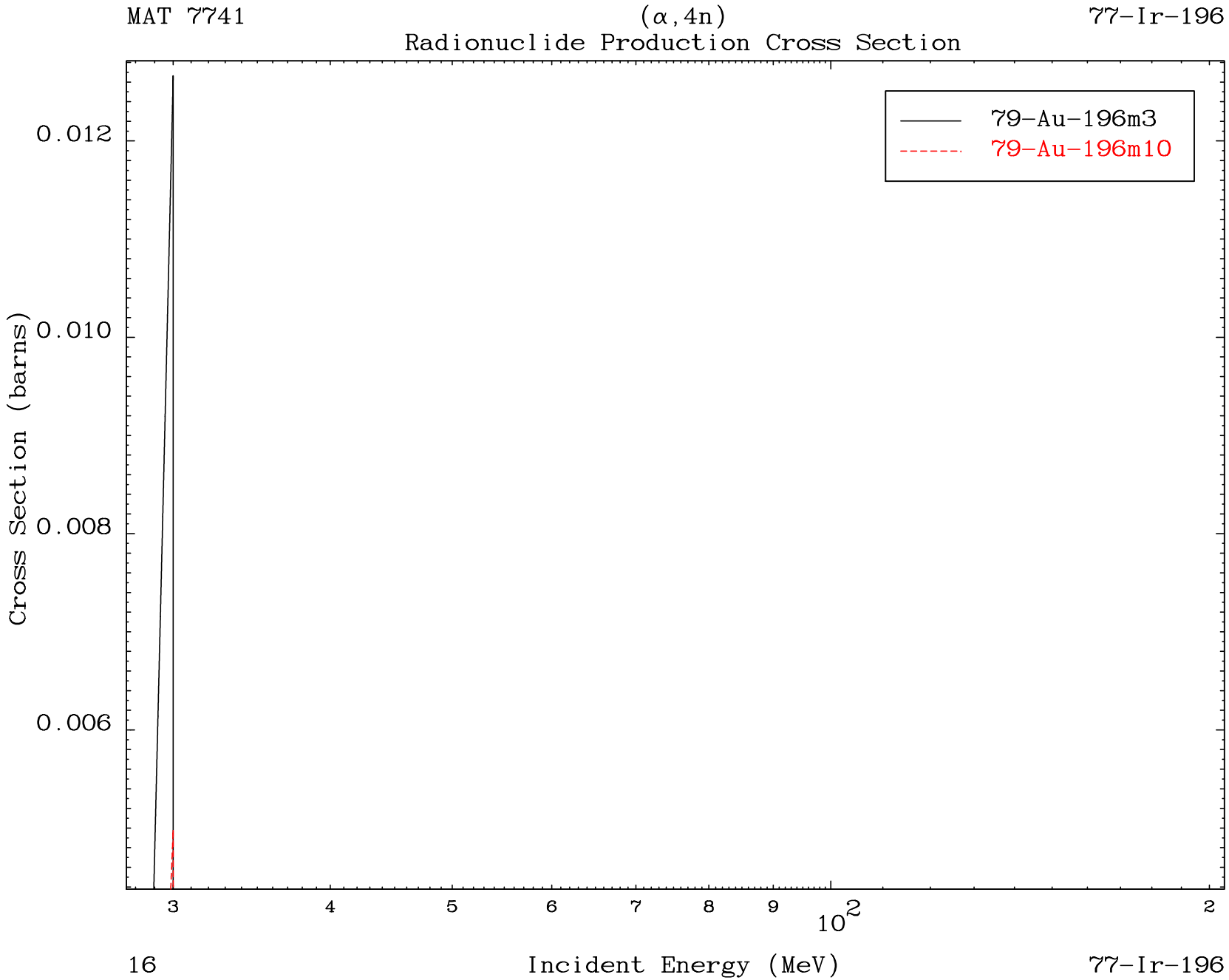

MAT 7741
(α,3n)
77-Ir-196
Radionuclide Production Cross Section
79-Au-197g
79-Au-197m4
Cross Section (barns)
10^1
5
4
3
2
9
8
7
6
5
4
3
2
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
77-Ir-196

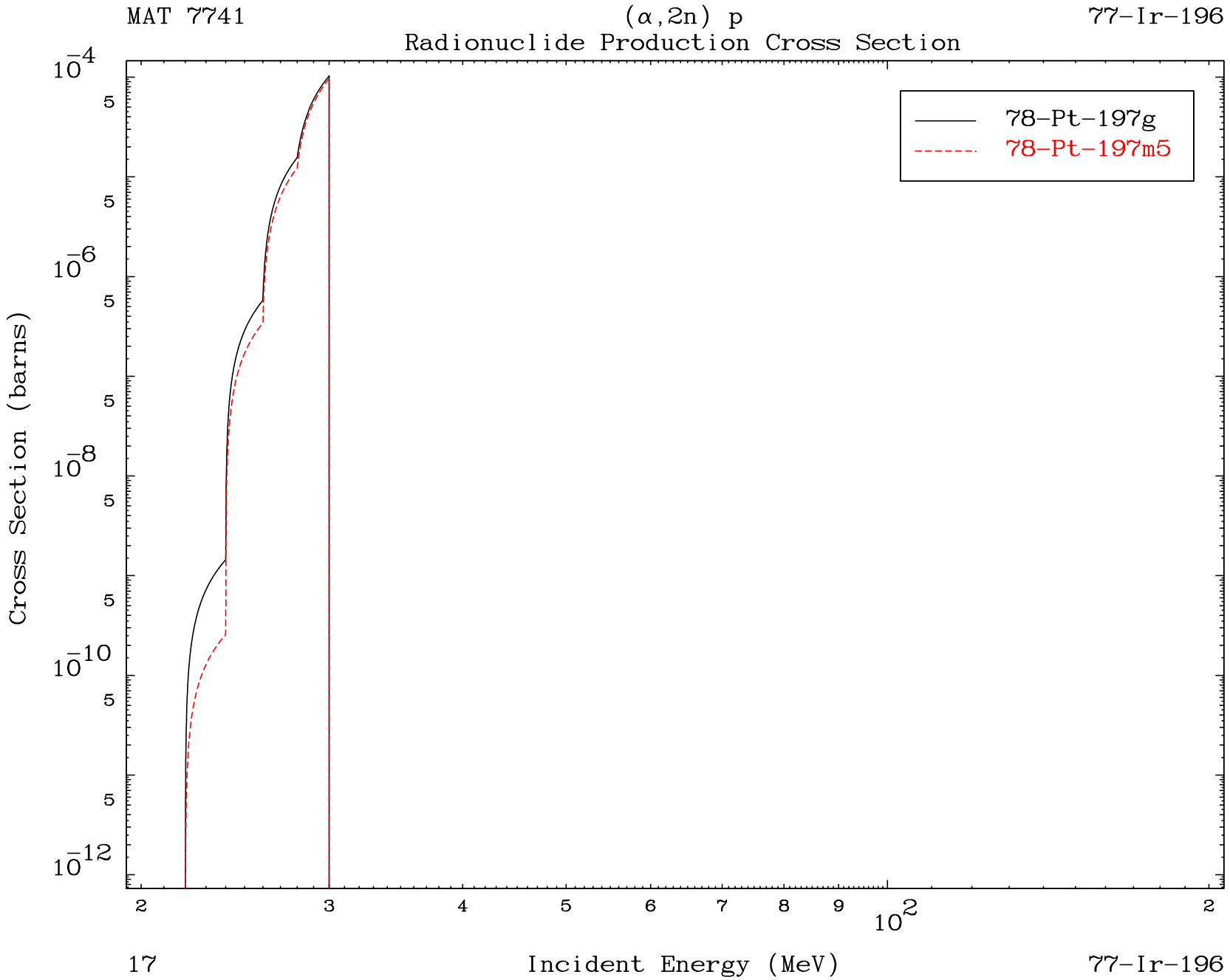

MAT 7741
α Fission
77-Ir-196
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-3
10^-2
10^-1
10^0
10^1
10^2
Incident Energy (MeV)
12
77-Ir-196

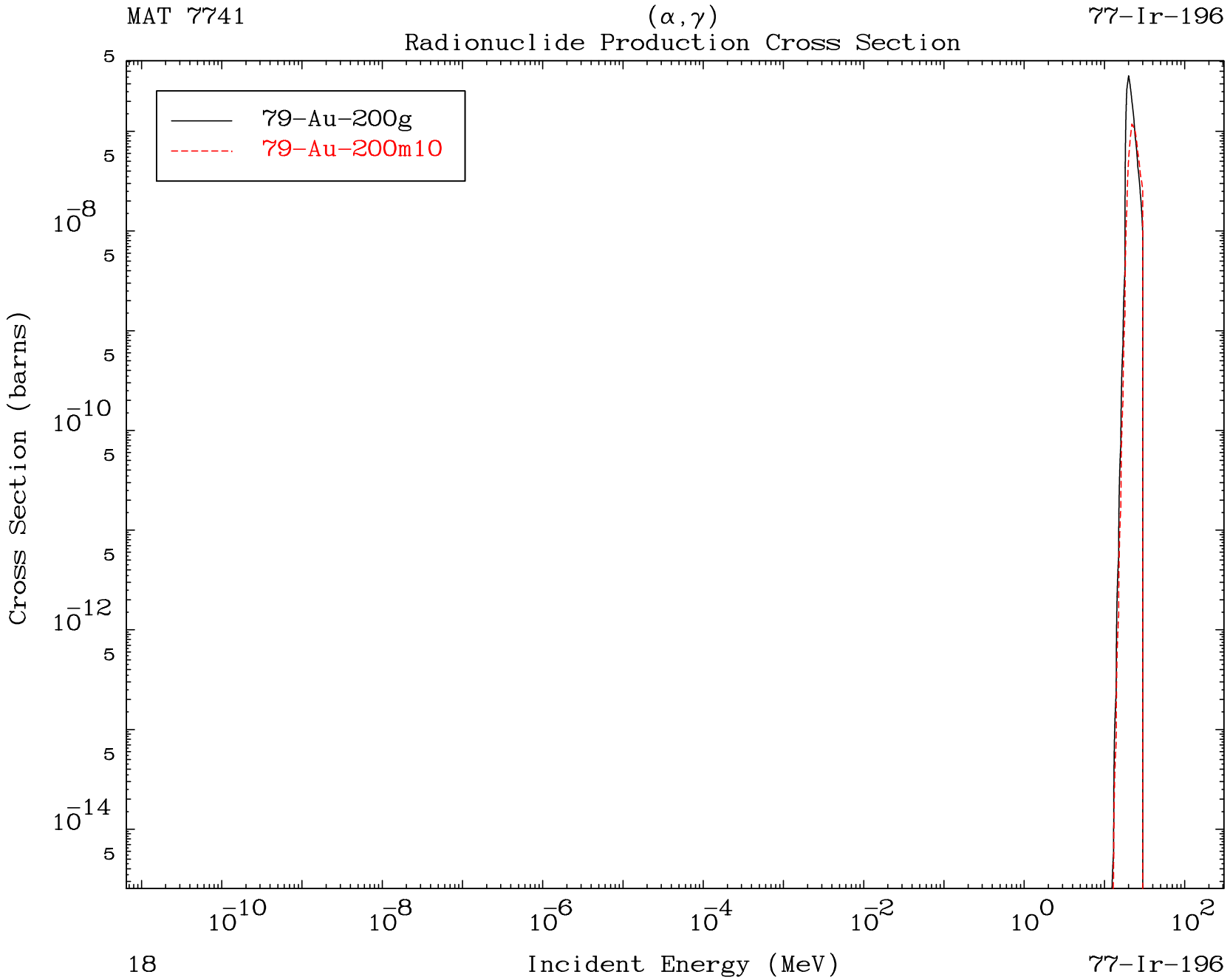

MAT 7741
(α,n') α
77-Ir-196
Radionuclide Production Cross Section
77-Ir-195g
77-Ir-195m2
Cross Section (barns)
Incident Energy (MeV)
13
77-Ir-196

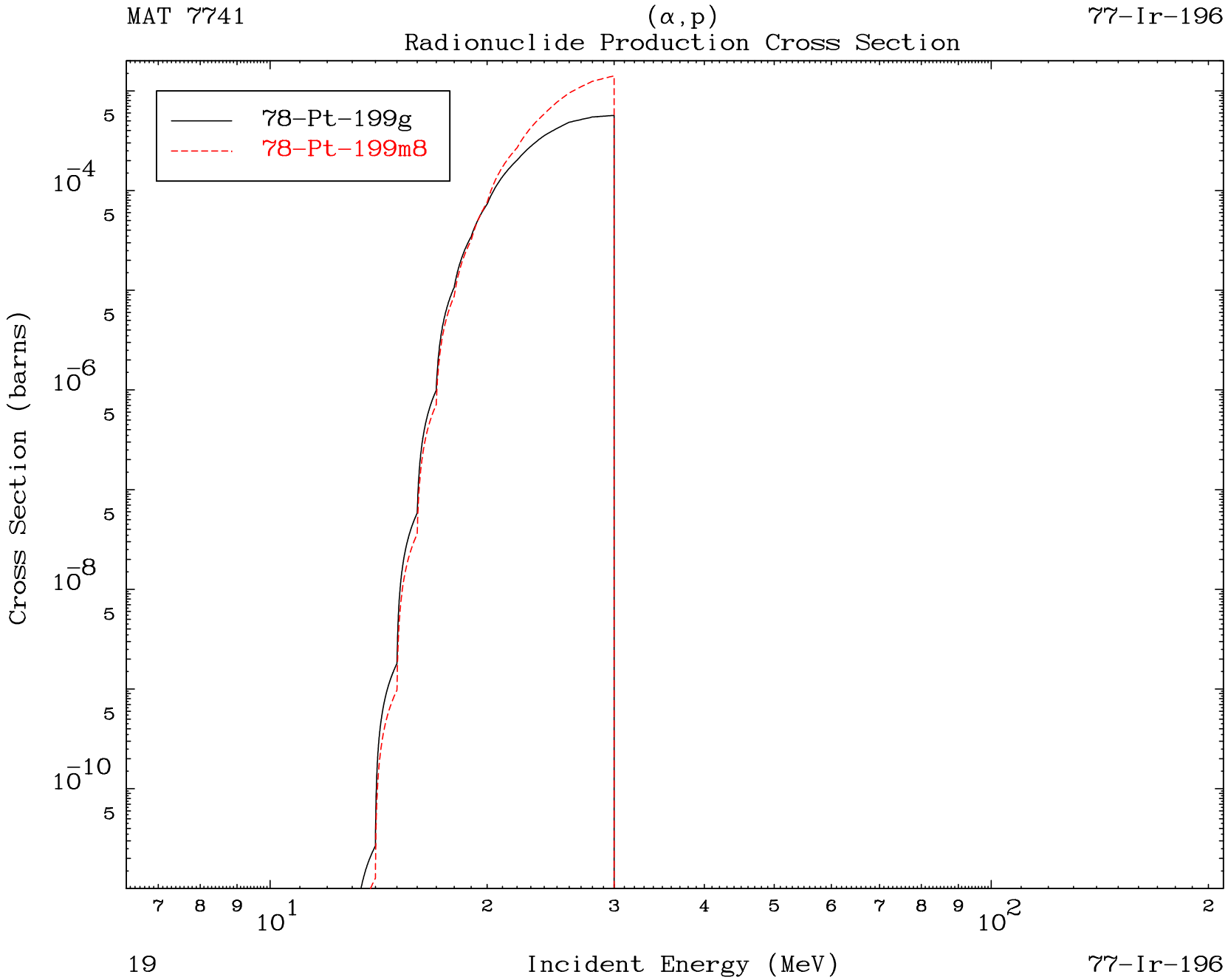

MAT 7741
(α,2n) α
77-Ir-196
Radionuclide Production Cross Section
77-Ir-194g
77-Ir-194m10
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
77-Ir-196

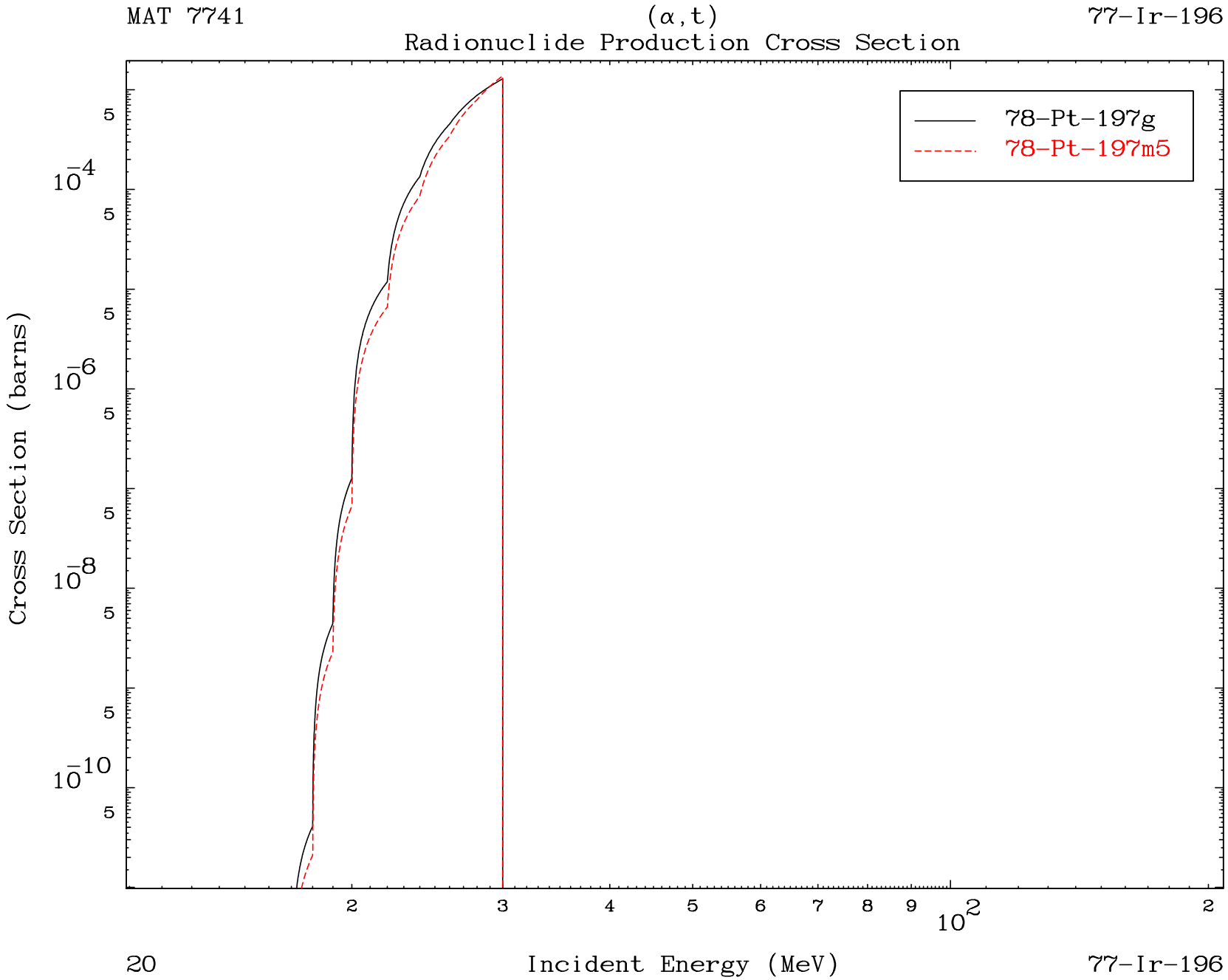

MAT 7741
(α,n') d
77-Ir-196
Radionuclide Production Cross Section
78-Pt-197g
78-Pt-197m5
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
15
77-Ir-196

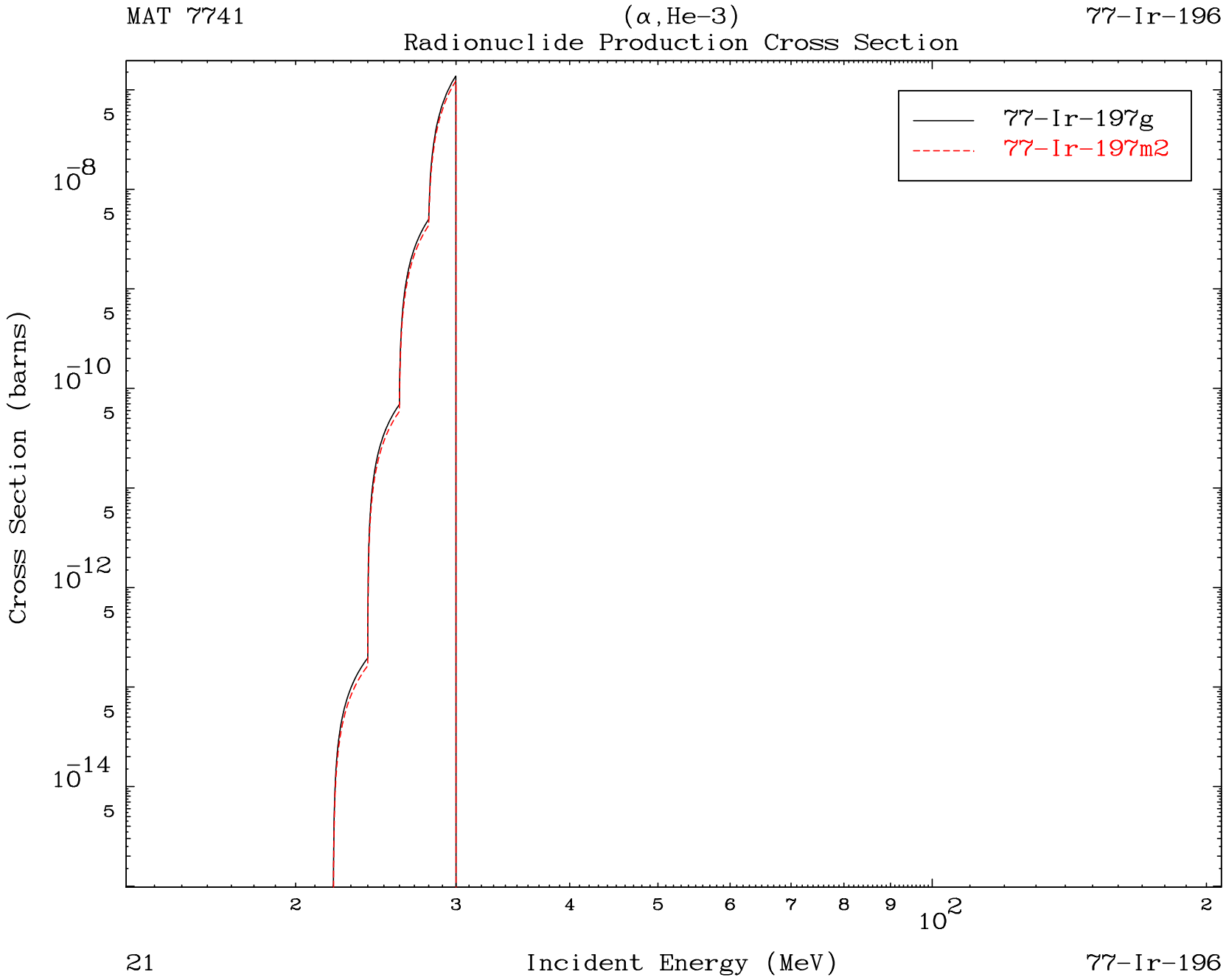

MAT 7741
(α,4n)
77-Ir-196
Radionuclide Production Cross Section
79-Au-196m3
79-Au-196m10
0.012
0.010
0.008
0.006
Cross Section (barns)
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
77-Ir-196

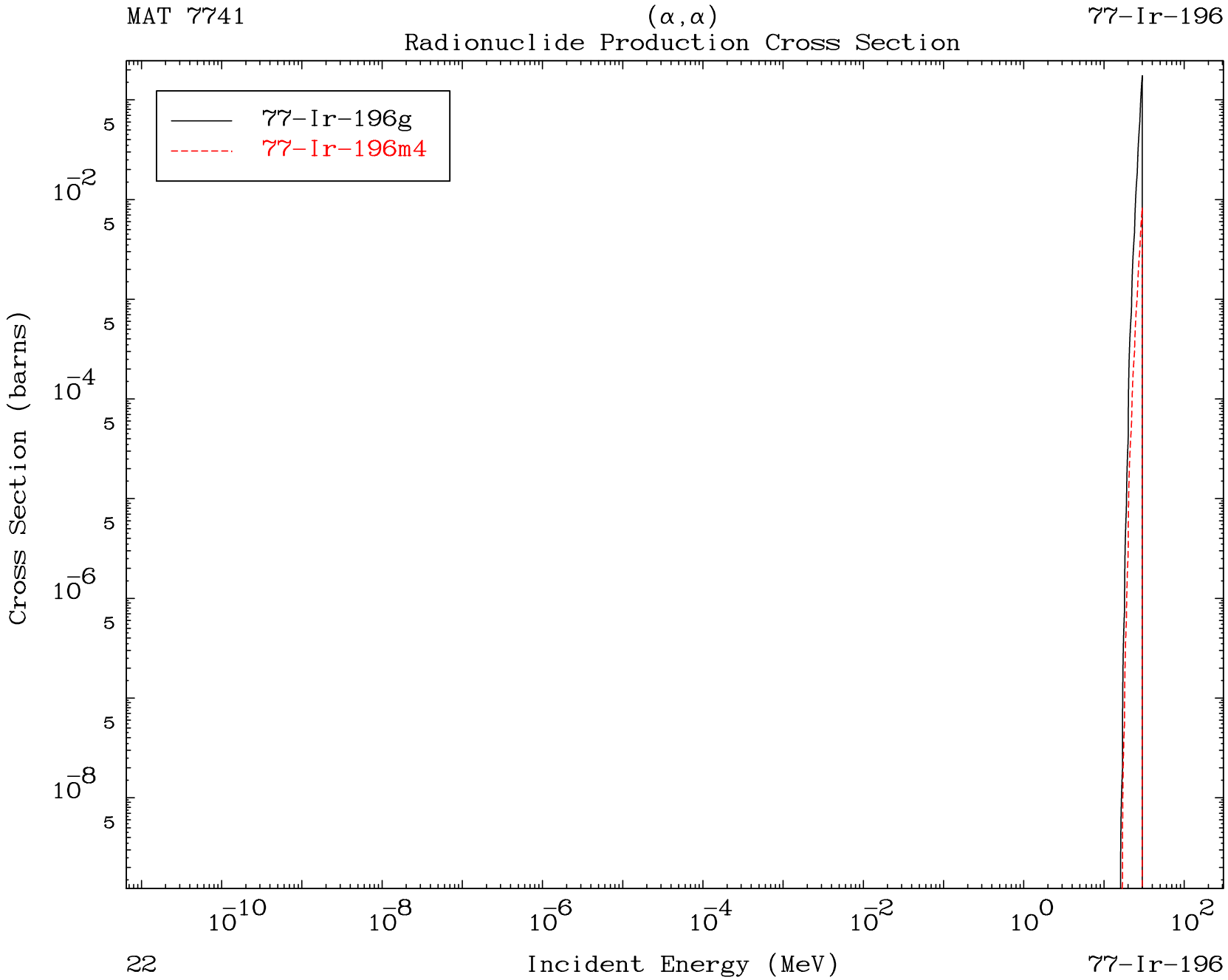

MAT 7741
(α,2n) p
77-Ir-196
Radionuclide Production Cross Section
78-Pt-197g
78-Pt-197m5
Cross Section (barns)
Incident Energy (MeV)
17
77-Ir-196


MAT 7741
(α,γ)
77-Ir-196
Radionuclide Production Cross Section
79-Au-200g
79-Au-200m10
Cross Section (barns)
Incident Energy (MeV)
18
77-Ir-196


MAT 7741
(α,p)
77-Ir-196
Radionuclide Production Cross Section
78-Pt-199g
78-Pt-199m8
Cross Section (barns)
Incident Energy (MeV)
19
77-Ir-196


MAT 7741
(α,t)
77-Ir-196
Radionuclide Production Cross Section
78-Pt-197g
78-Pt-197m5
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
77-Ir-196


MAT 7741
(α,He-3)
77-Ir-196
Radionuclide Production Cross Section
77-Ir-197g
77-Ir-197m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
21
Incident Energy (MeV)
77-Ir-196


MAT 7741
(α,α)
77-Ir-196
Radionuclide Production Cross Section
77-Ir-196g
77-Ir-196m4
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
22
77-Ir-196