Program EVALPLOT
(Version 2021-1)
by
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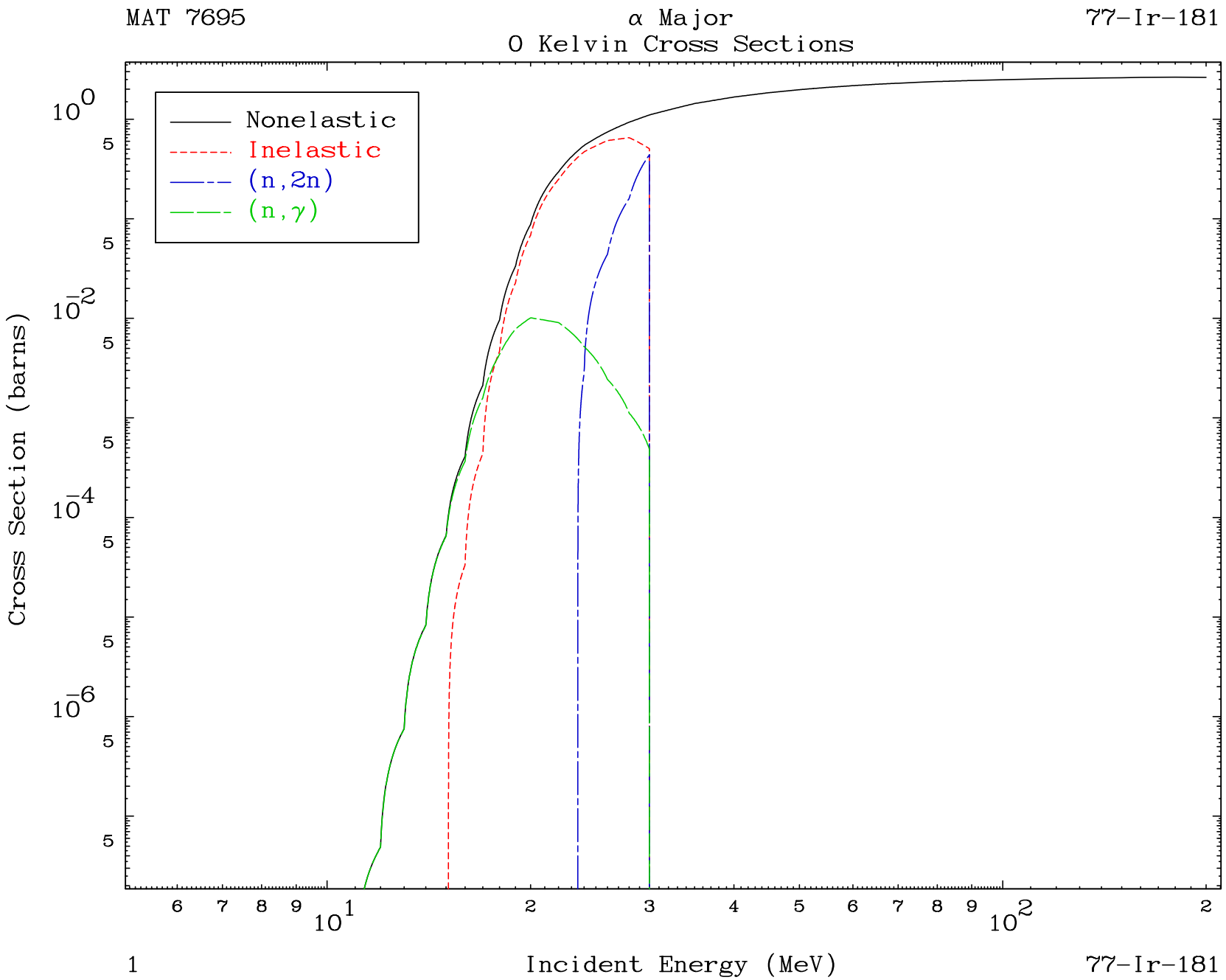
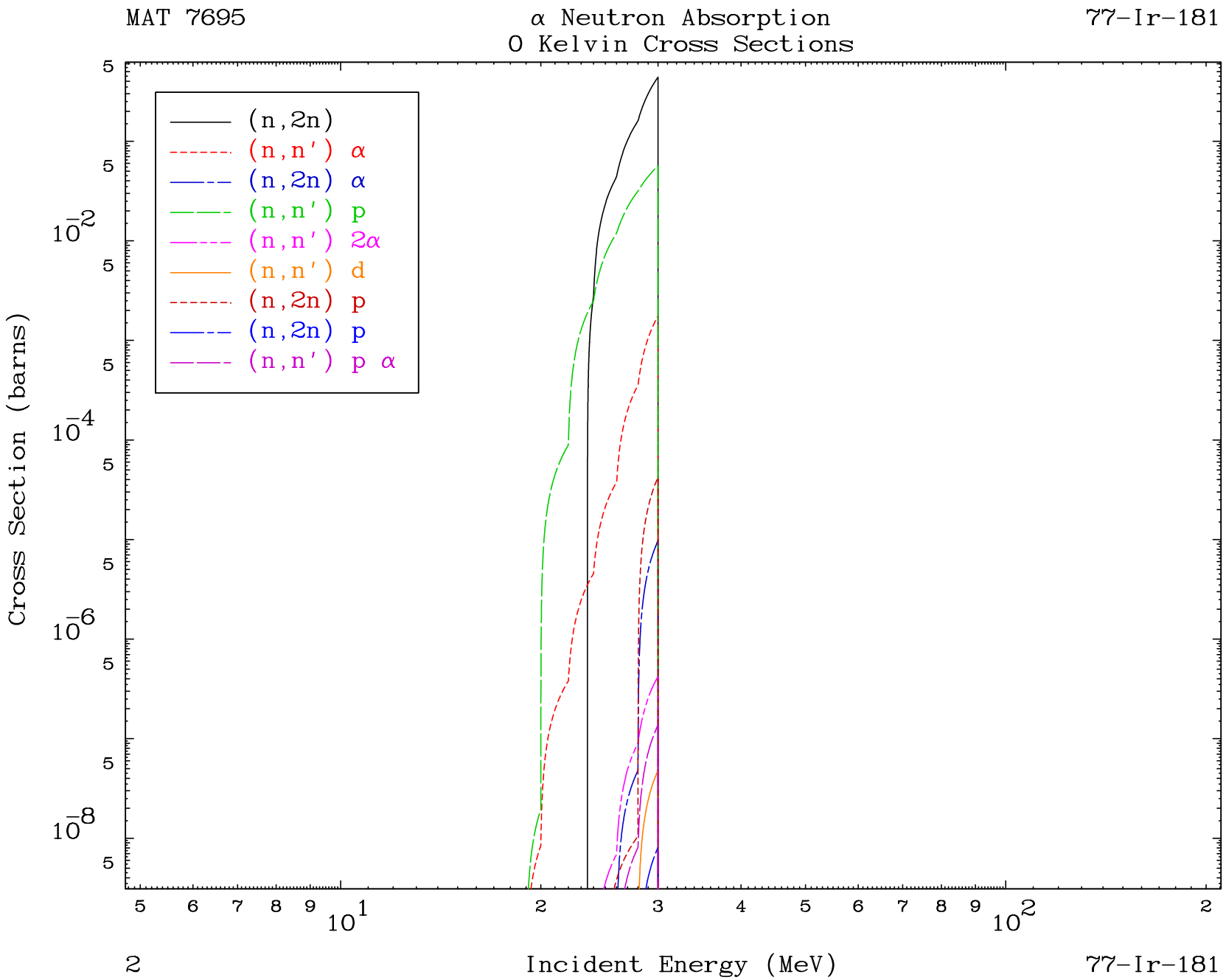
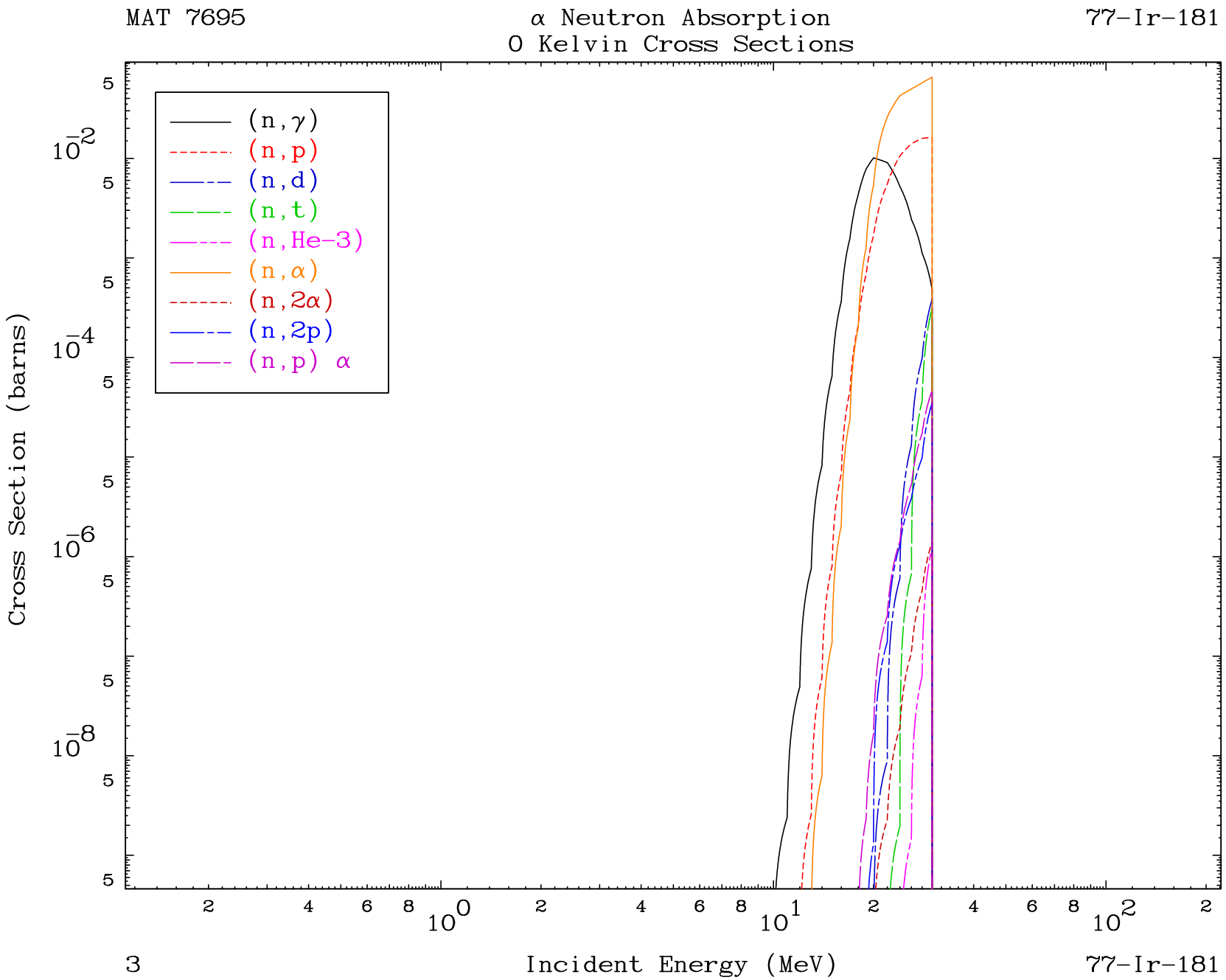
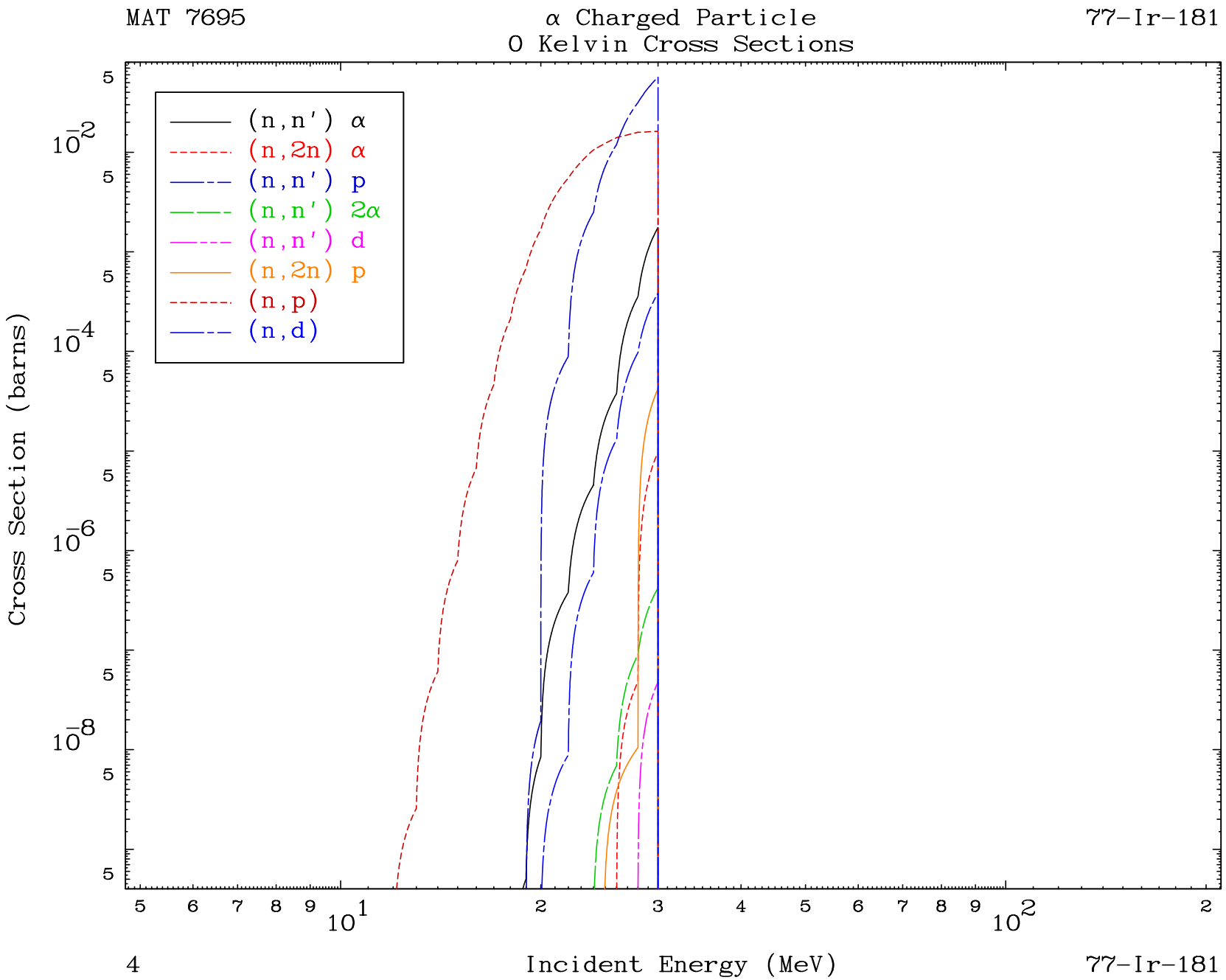
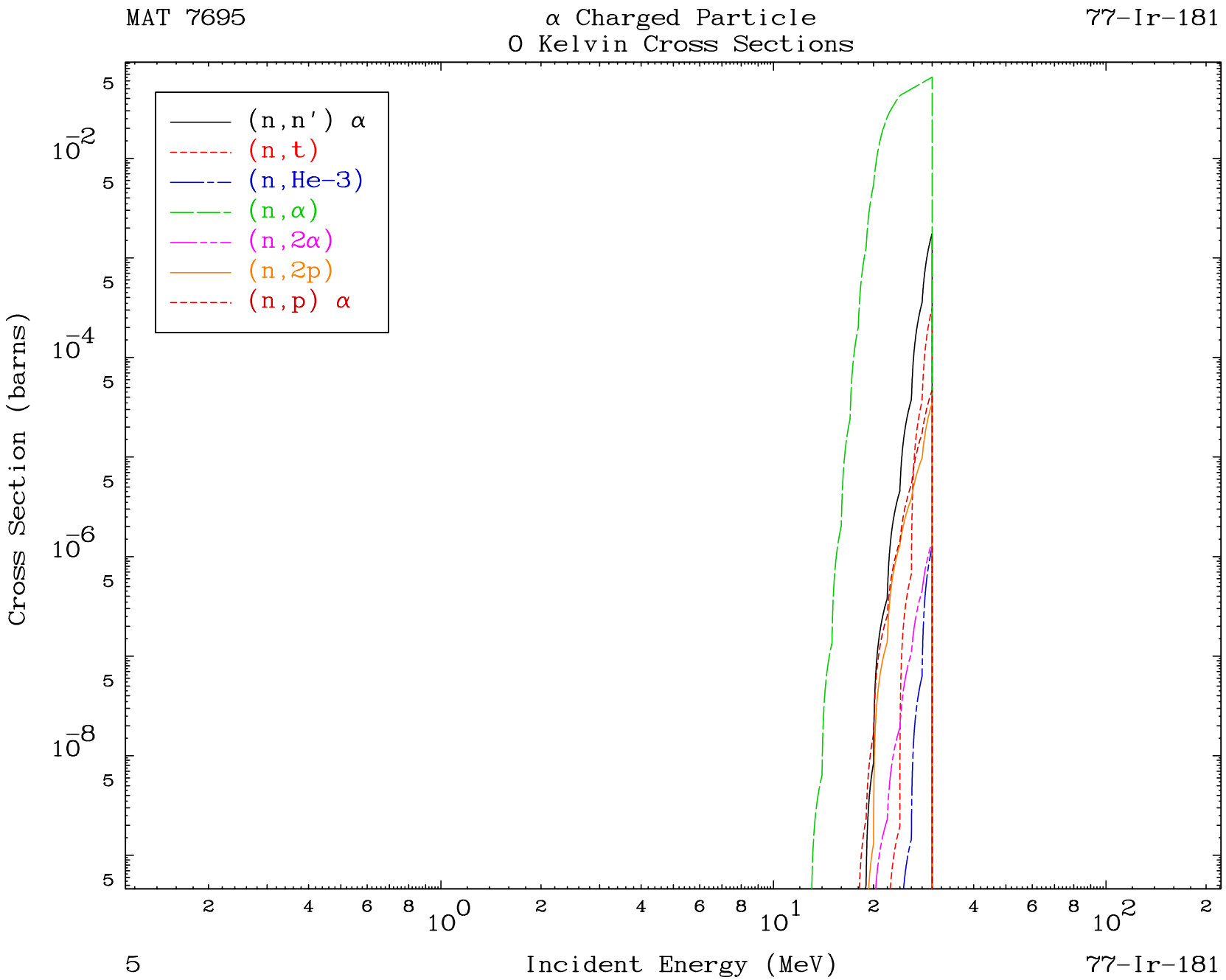
Press Mouse Button to Start

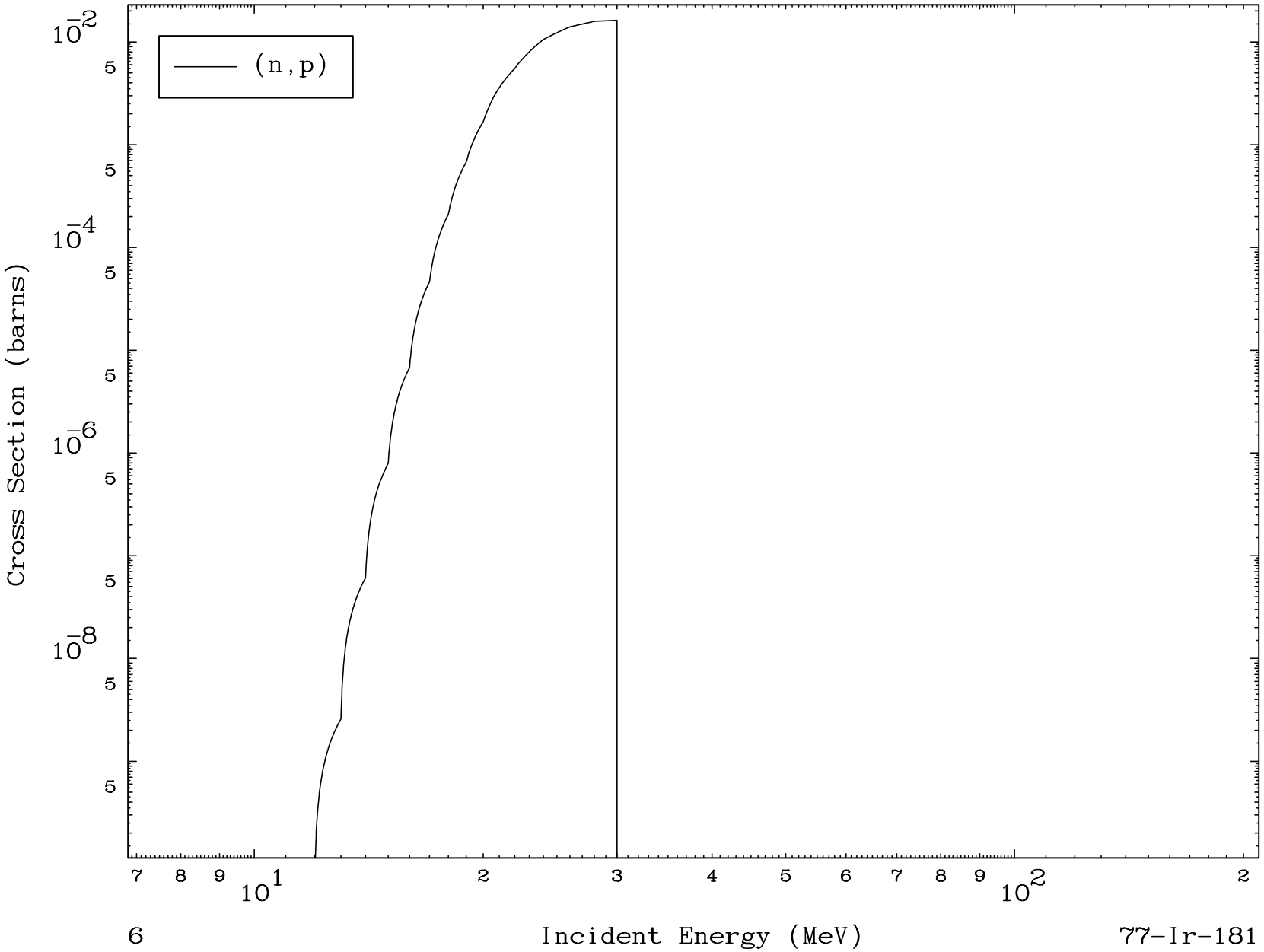

MAT 7695
α Major
77-Ir-181
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-181

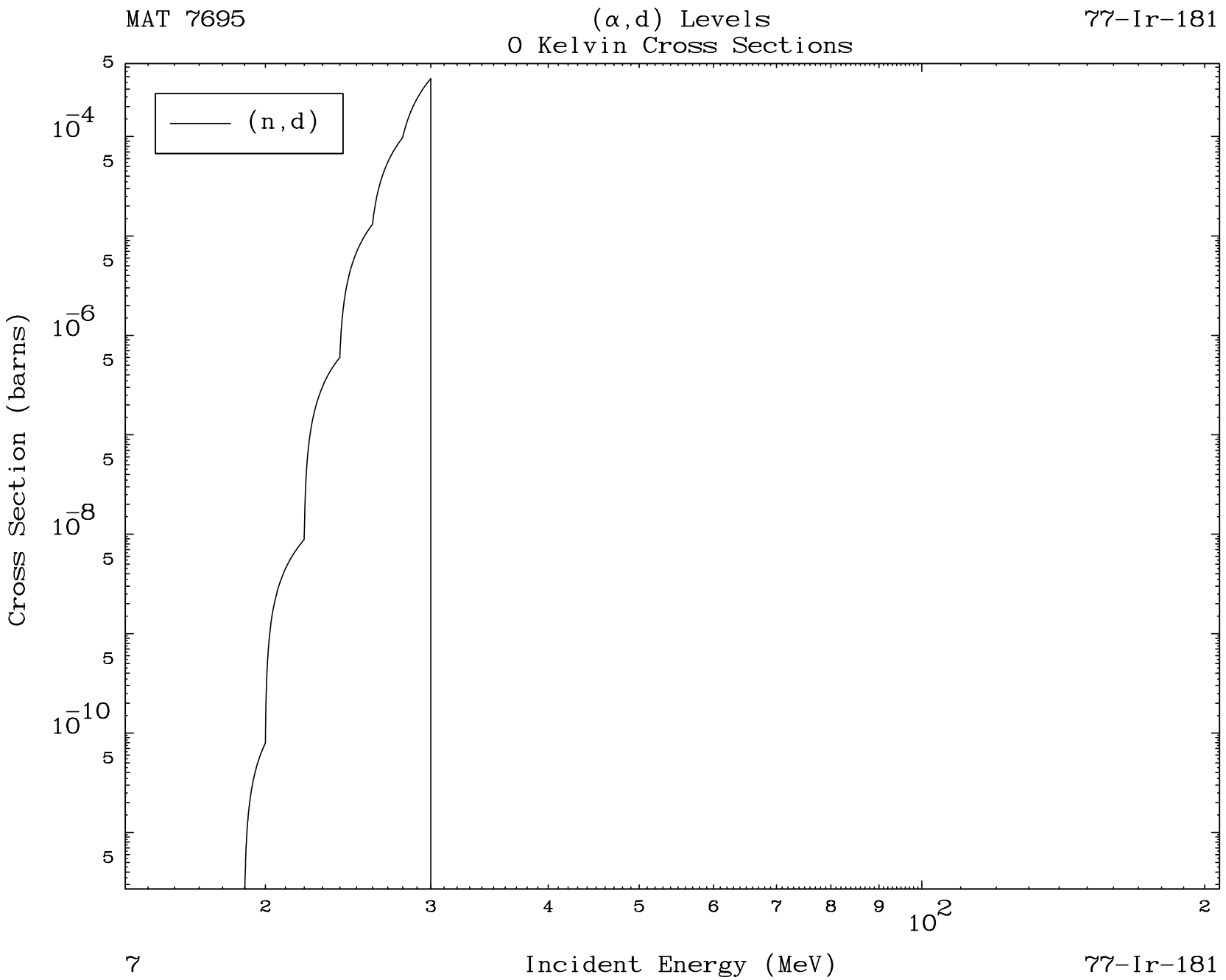

MAT 7695
α Neutron Absorption
0 Kelvin Cross Sections
77-Ir-181
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
Cross Section (barns)
Incident Energy (MeV)
77-Ir-181


MAT 7695
α Neutron Absorption
0 Kelvin Cross Sections
77-Ir-181
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
77-Ir-181

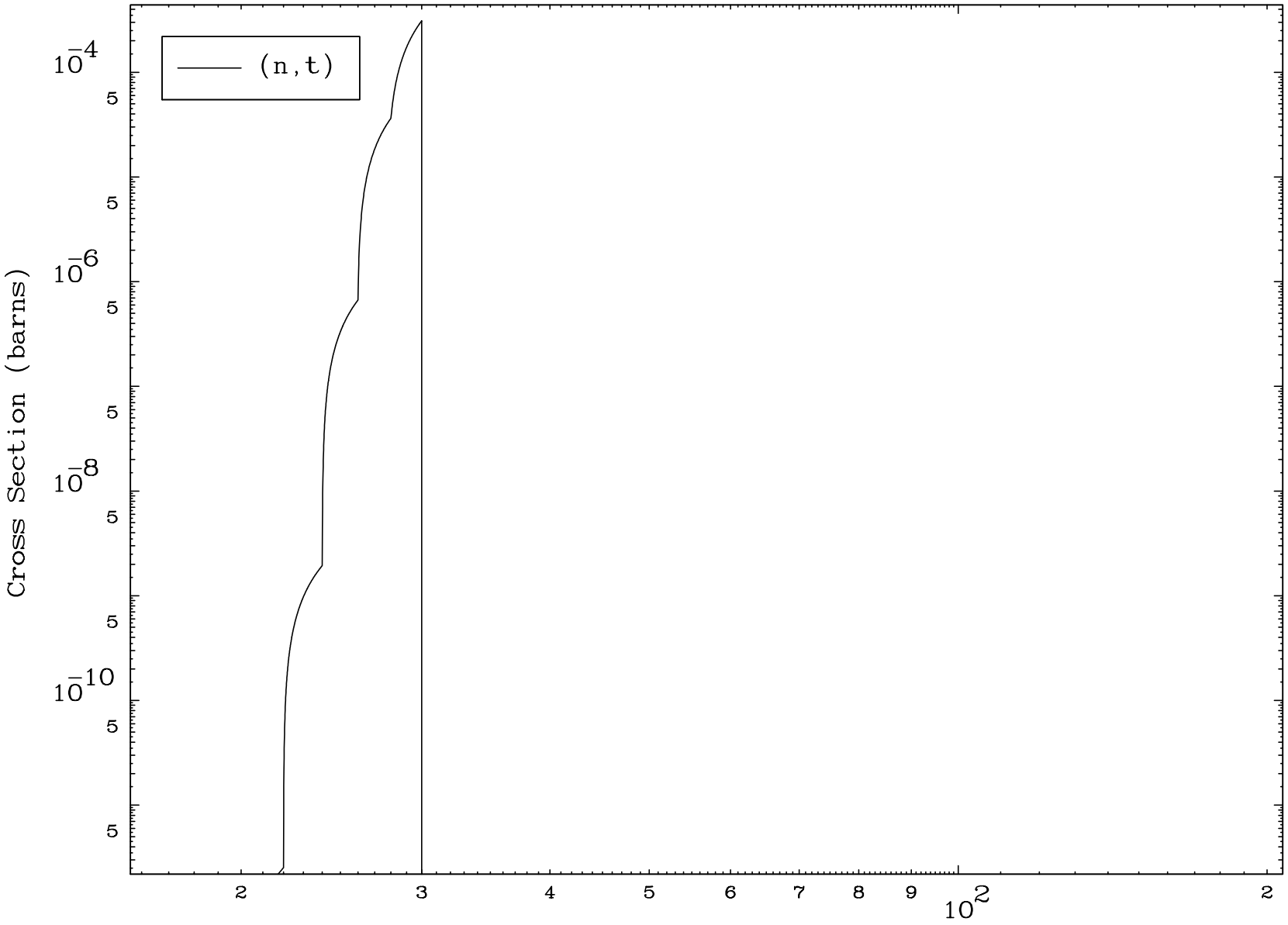

MAT 7695
α Charged Particle
0 Kelvin Cross Sections
77-Ir-181
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
4
77-Ir-181

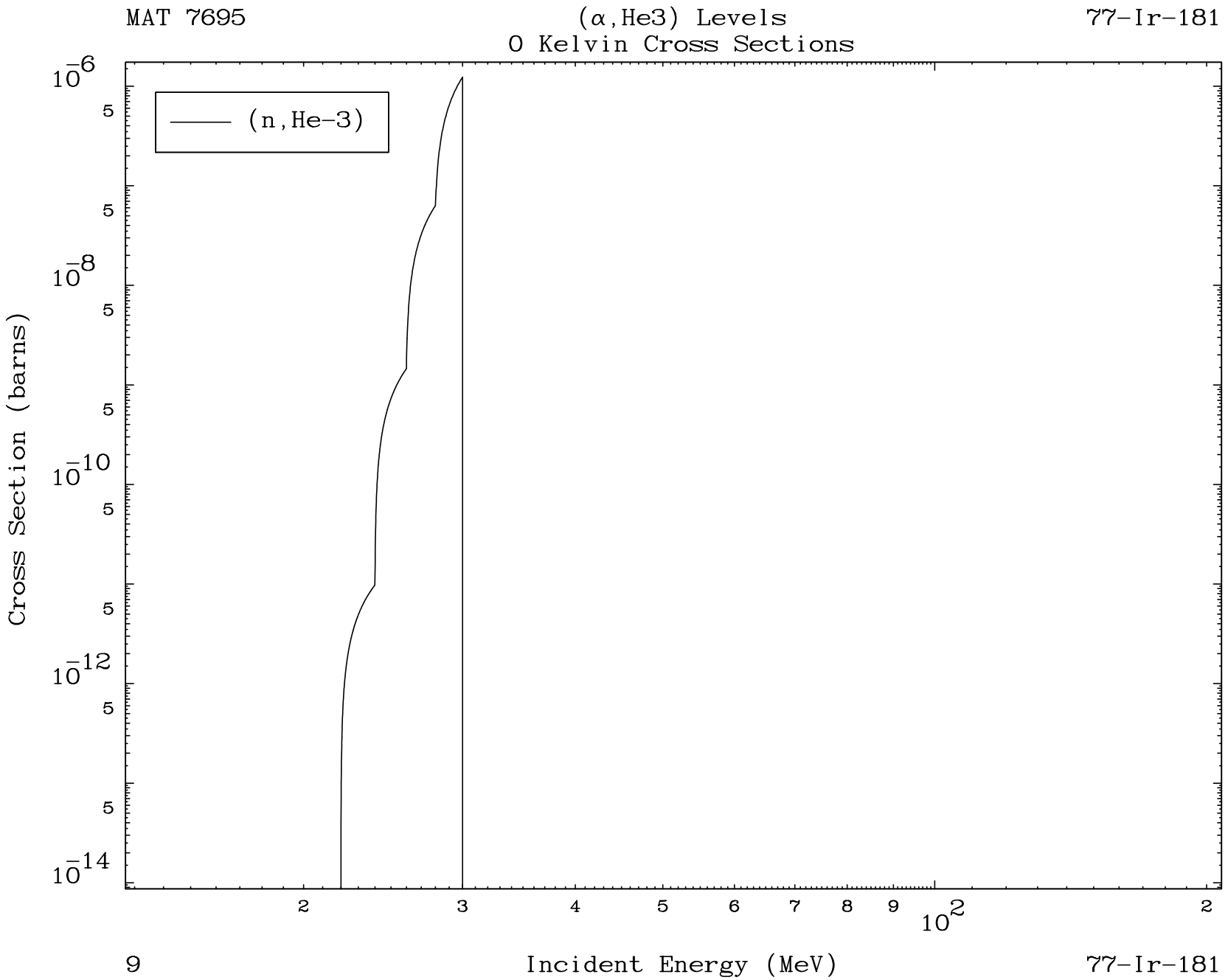

MAT 7695
α Charged Particle
0 Kelvin Cross Sections
77-Ir-181
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
77-Ir-181

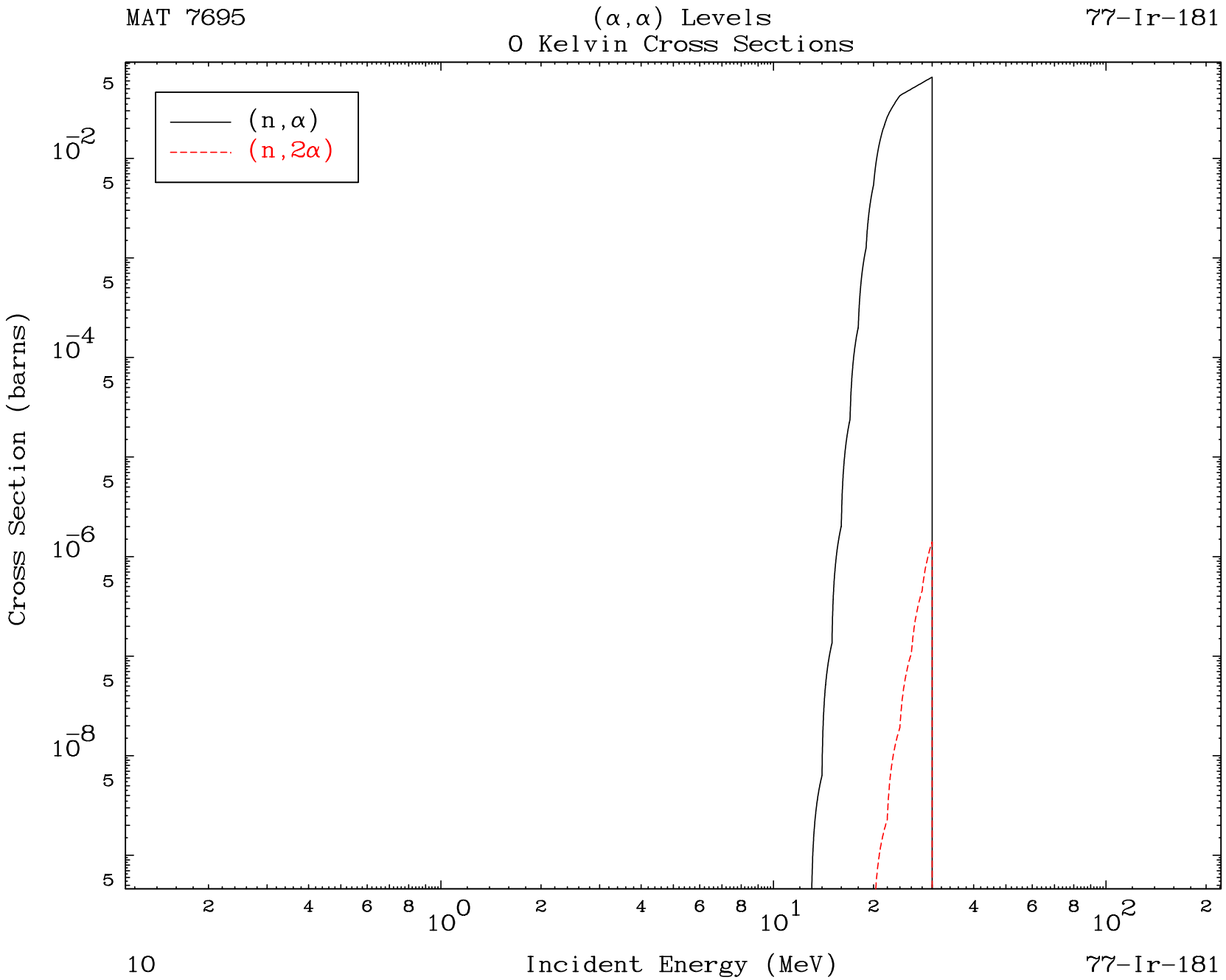

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

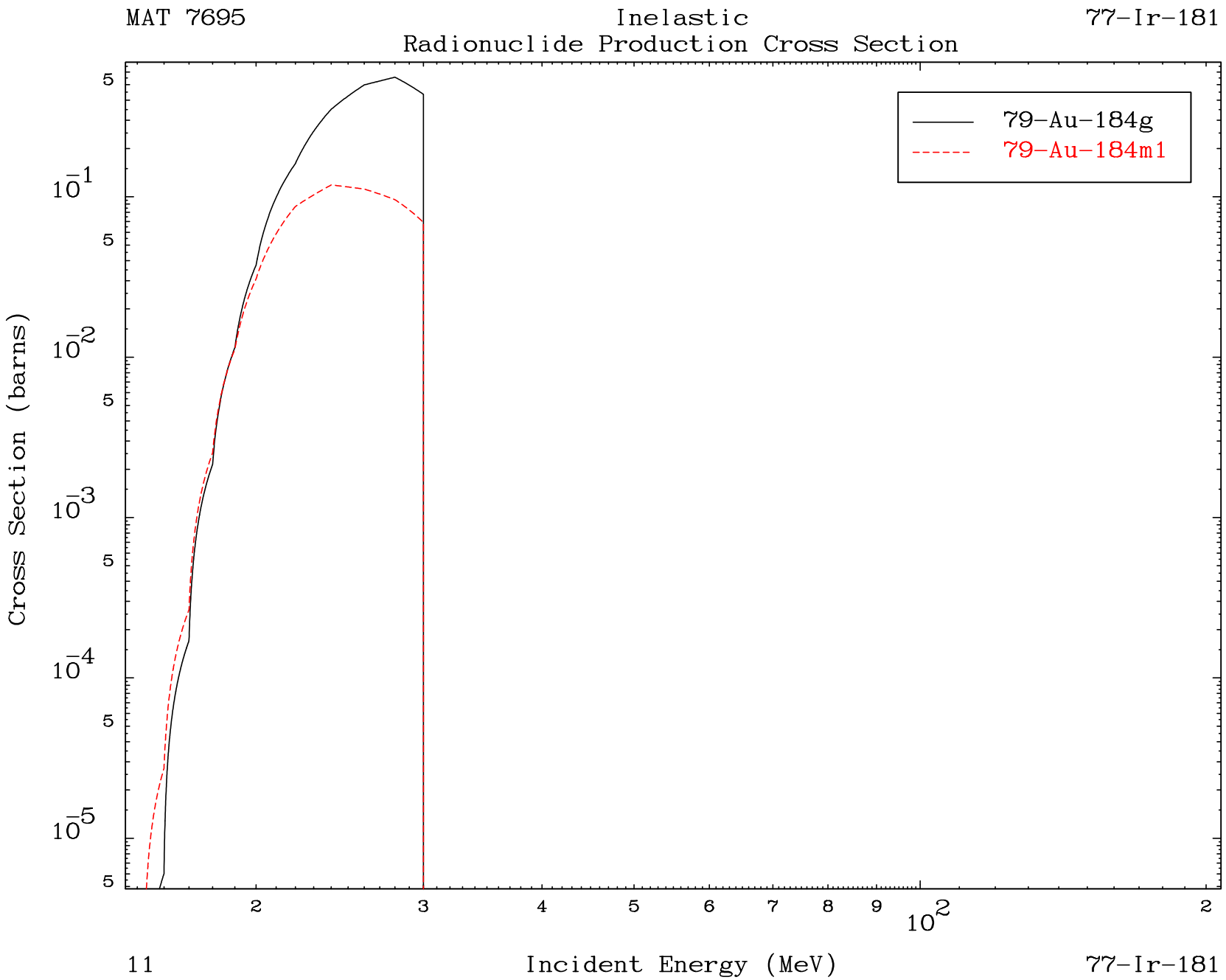

MAT 7695
(α,d) Levels
77-Ir-181
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
7
77-Ir-181

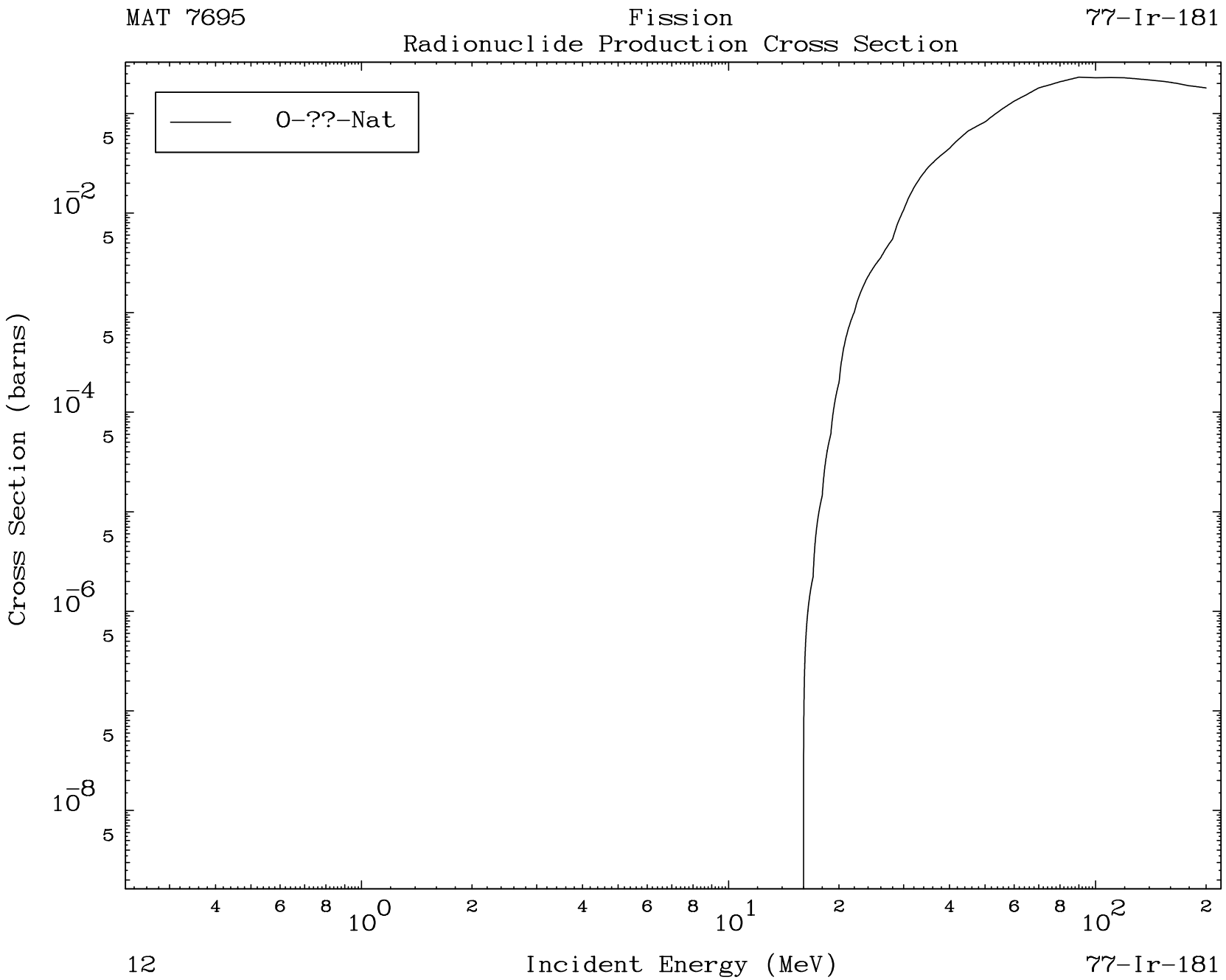
0 Kelvin Cross Sections

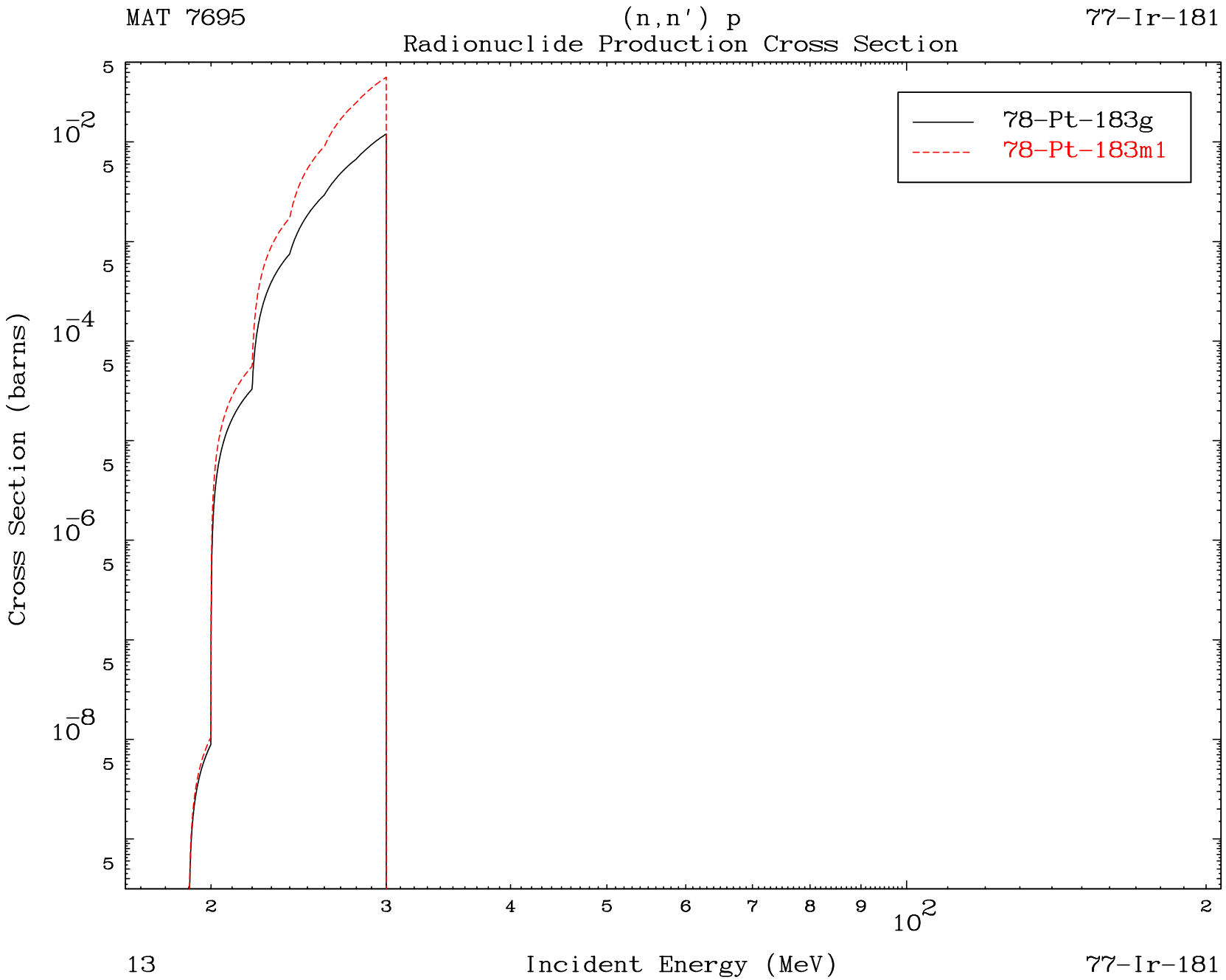


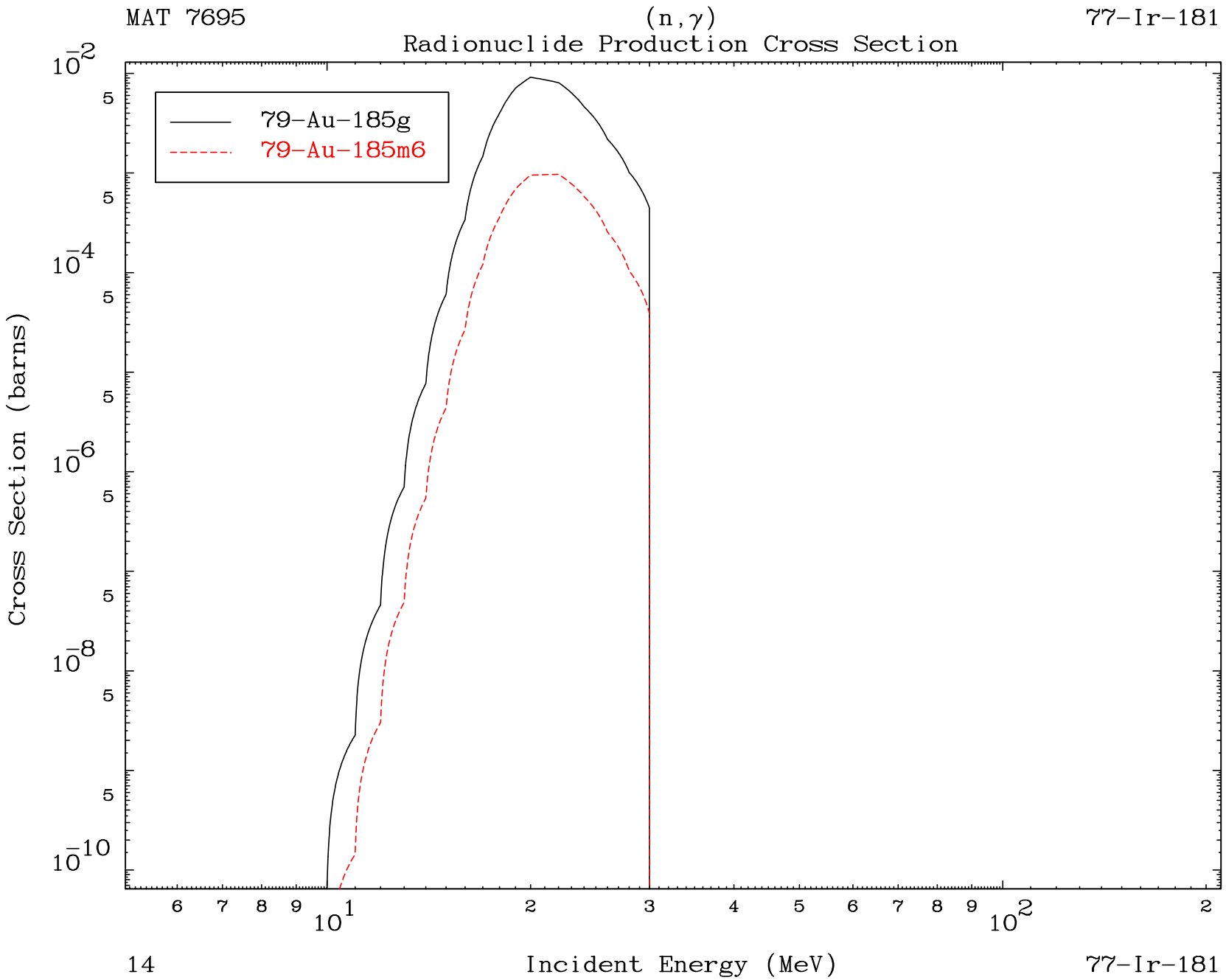

MAT 7695
(α,He3) Levels
77-Ir-181
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
10-14
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
77-Ir-181

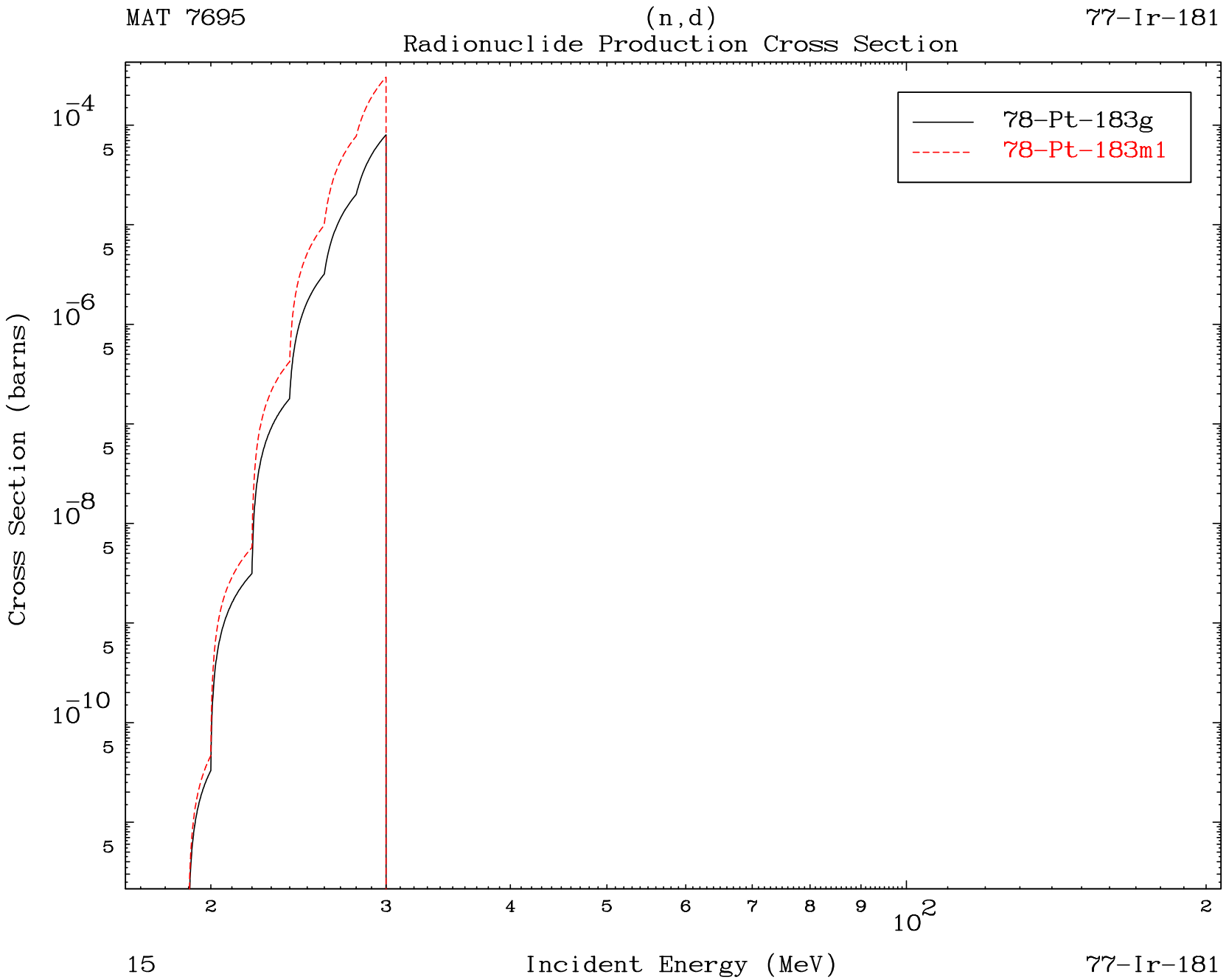

MAT 7695
(α,α) Levels
77-Ir-181
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-181


MAT 7695
Inelastic
77-Ir-181
Radionuclide Production Cross Section
79-Au-184g
79-Au-184m1
Cross Section (barns)
Incident Energy (MeV)
11
77-Ir-181


MAT 7695
Fission
77-Ir-181
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
77-Ir-181


MAT 7695
(n,n') p
77-Ir-181
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
Incident Energy (MeV)
13
77-Ir-181


MAT 7695
(n,γ)
77-Ir-181
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
Incident Energy (MeV)
14
77-Ir-181


MAT 7695
(n,d)
77-Ir-181
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
Incident Energy (MeV)
15
77-Ir-181