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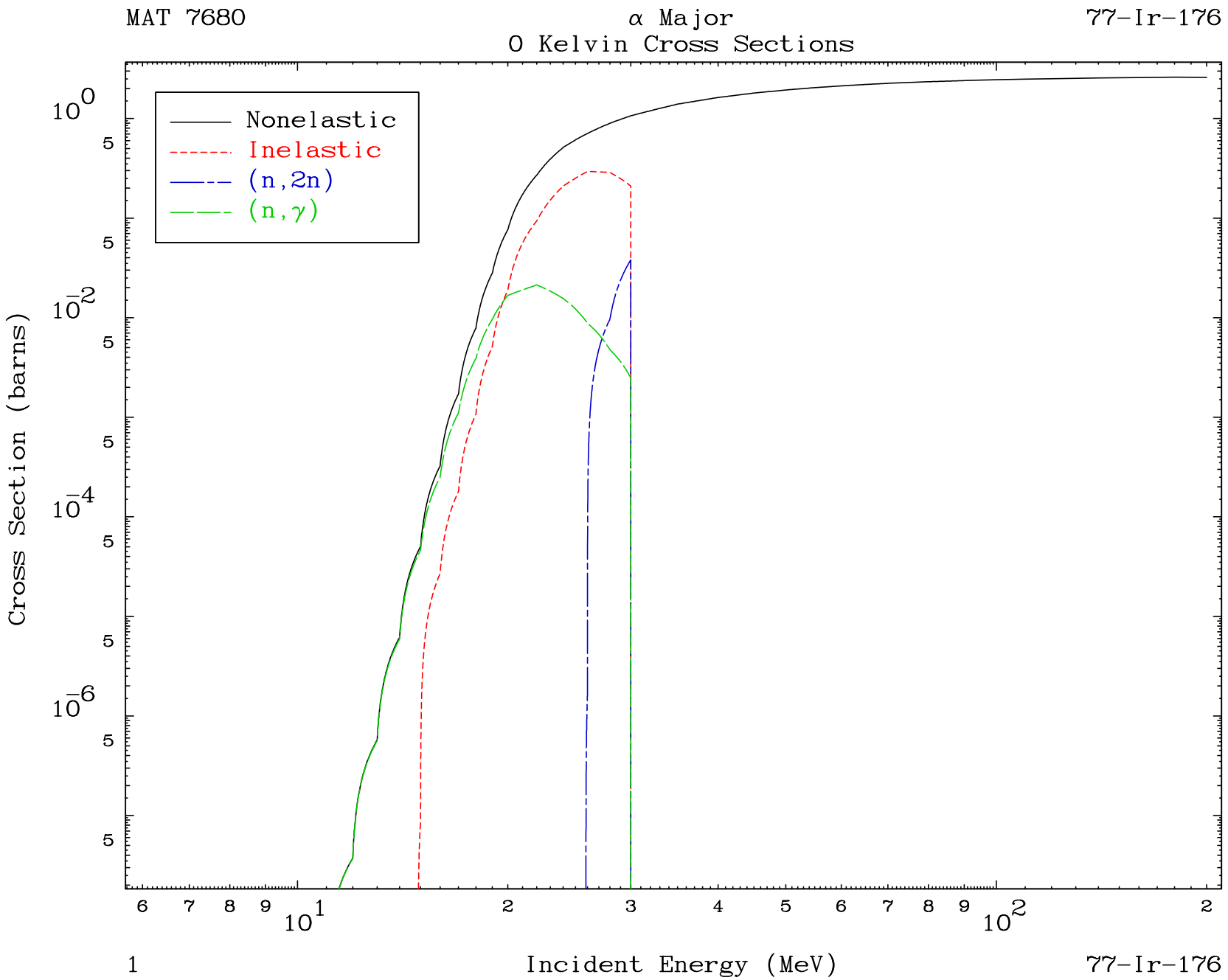
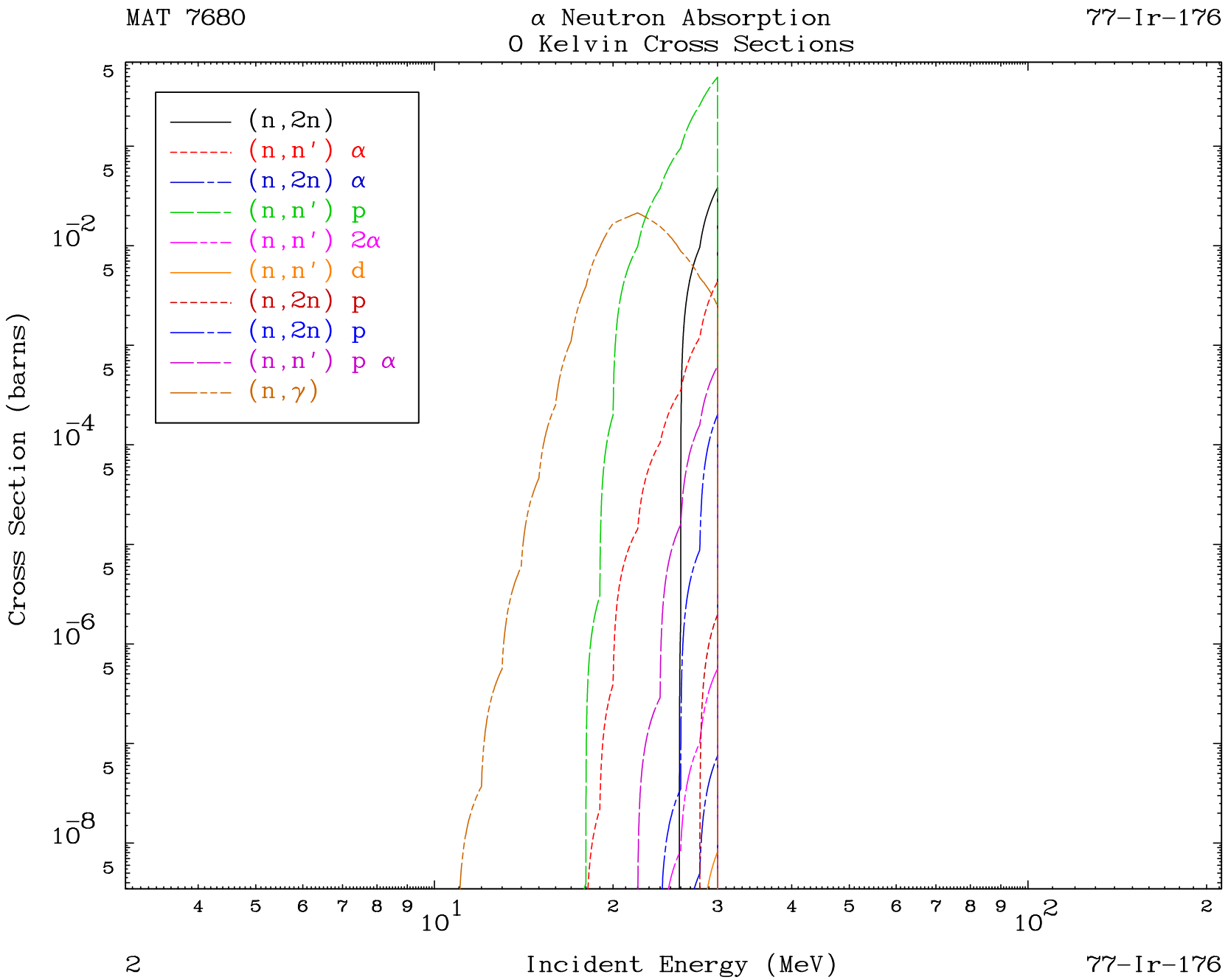
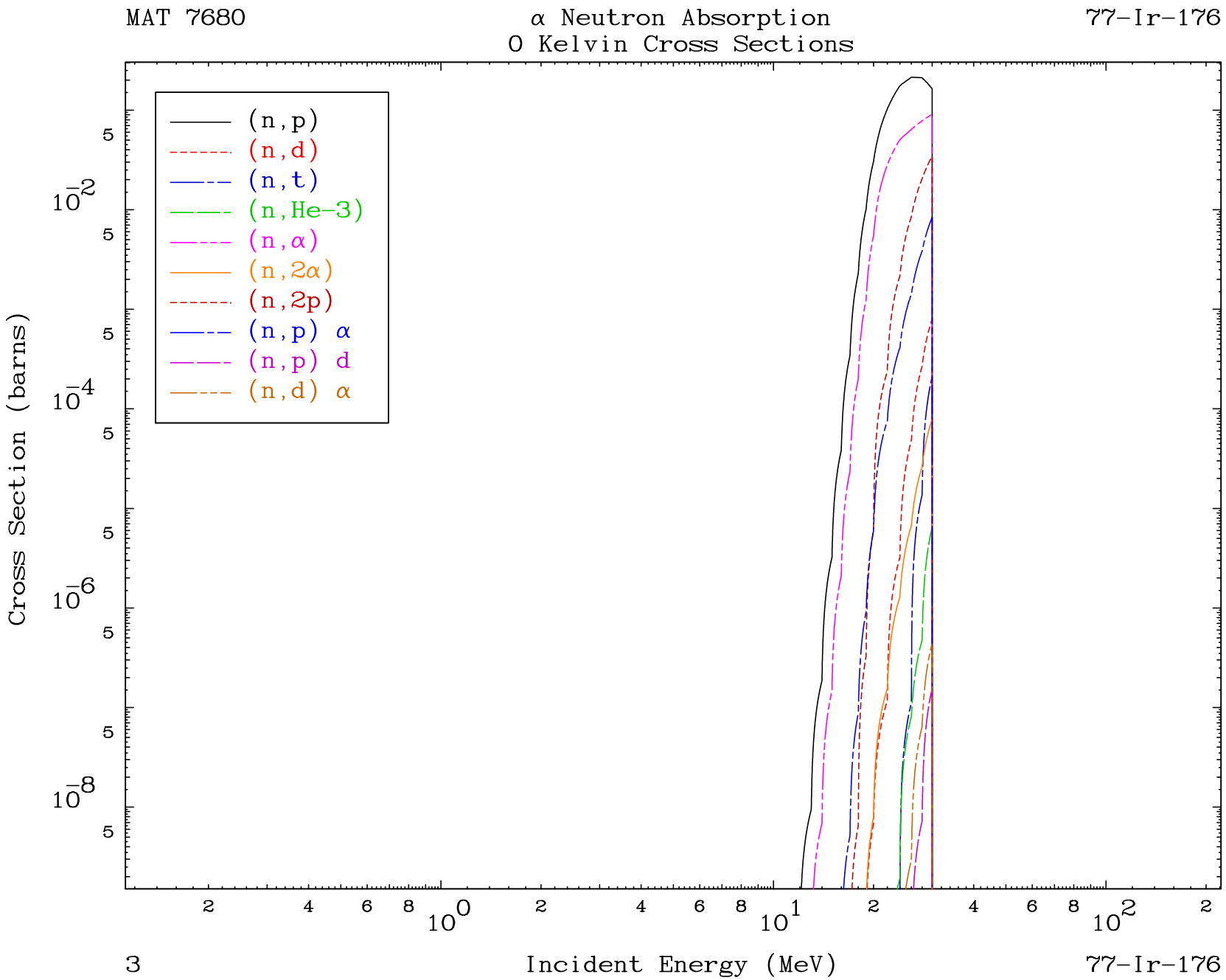
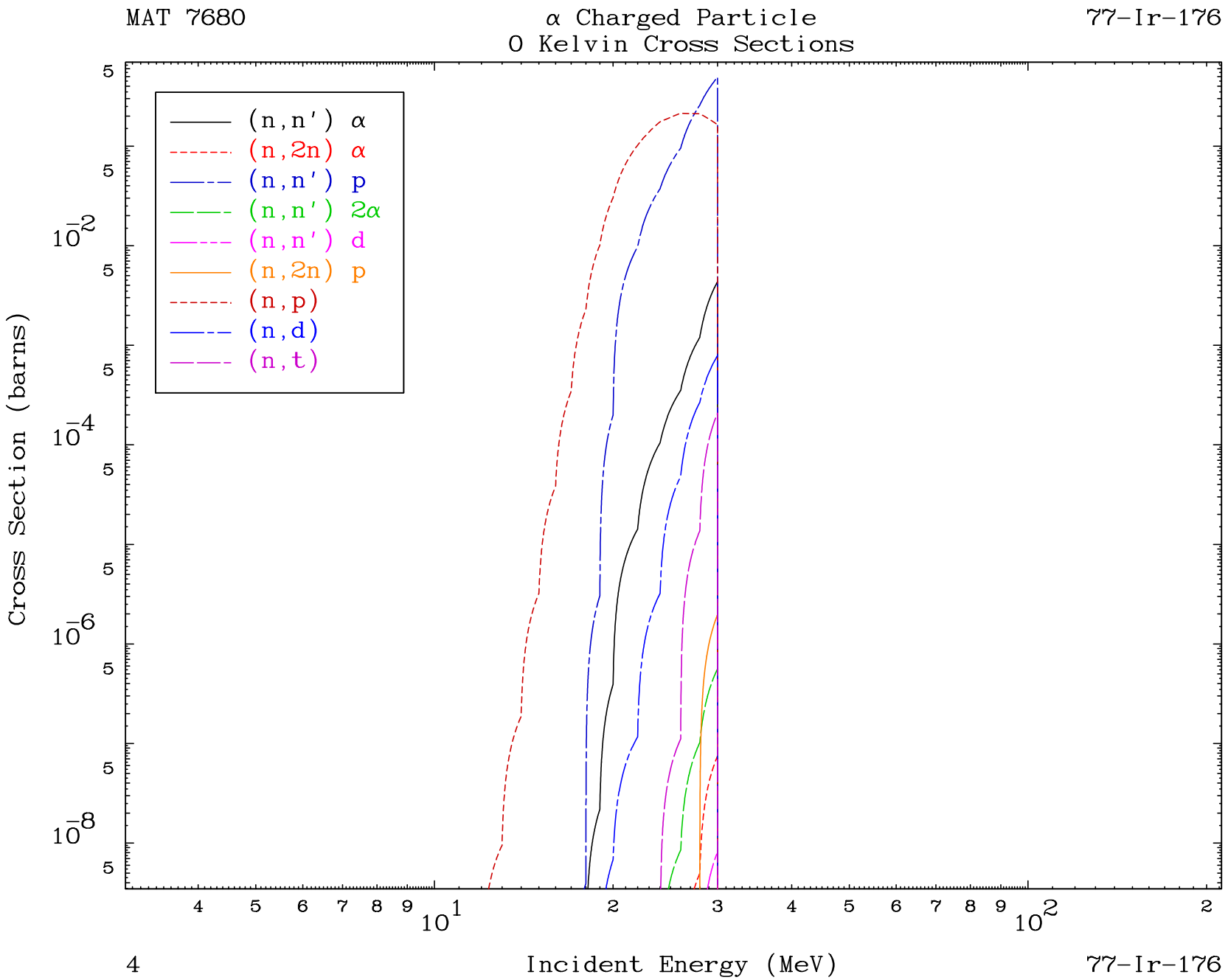
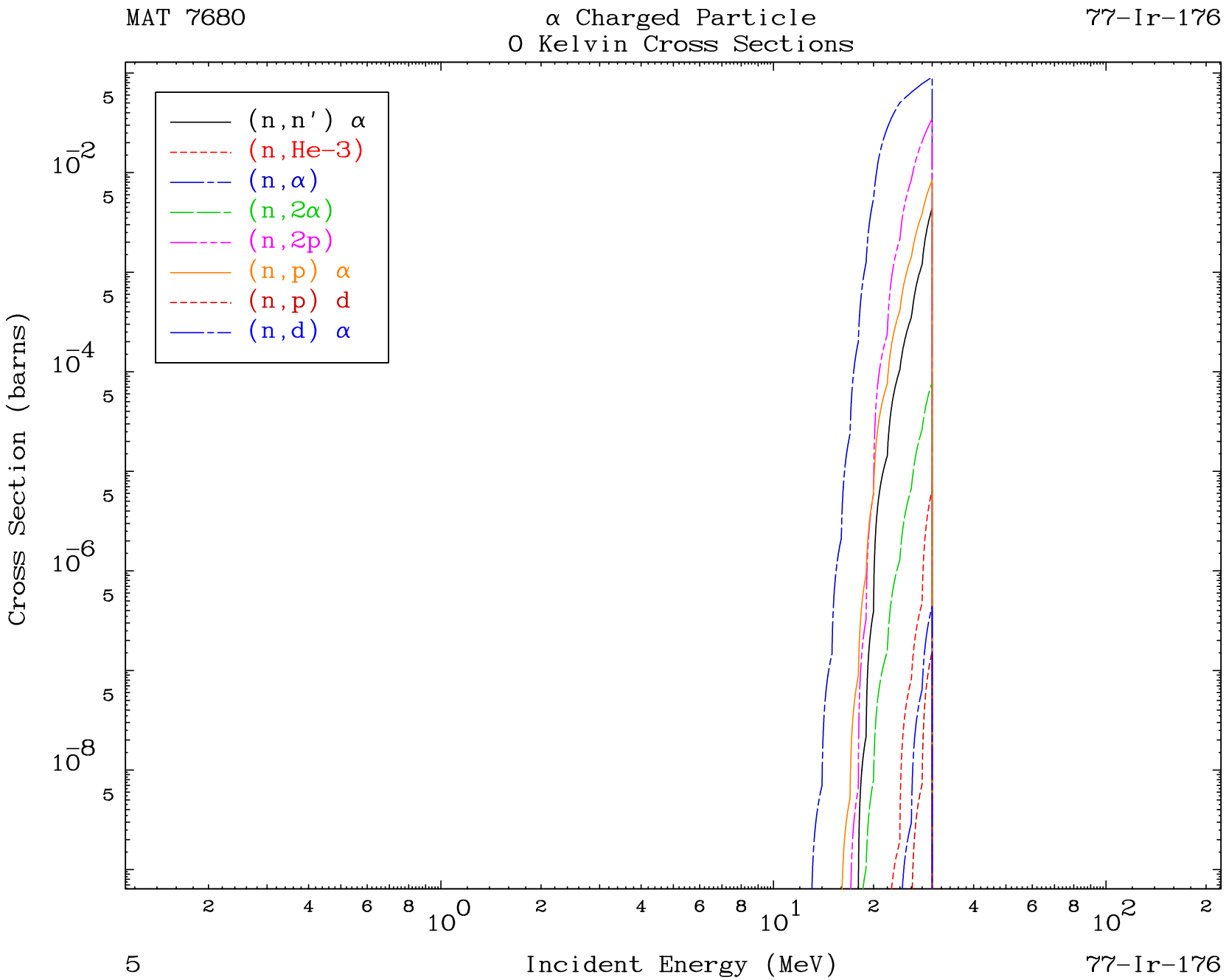
Press Mouse Button to Start

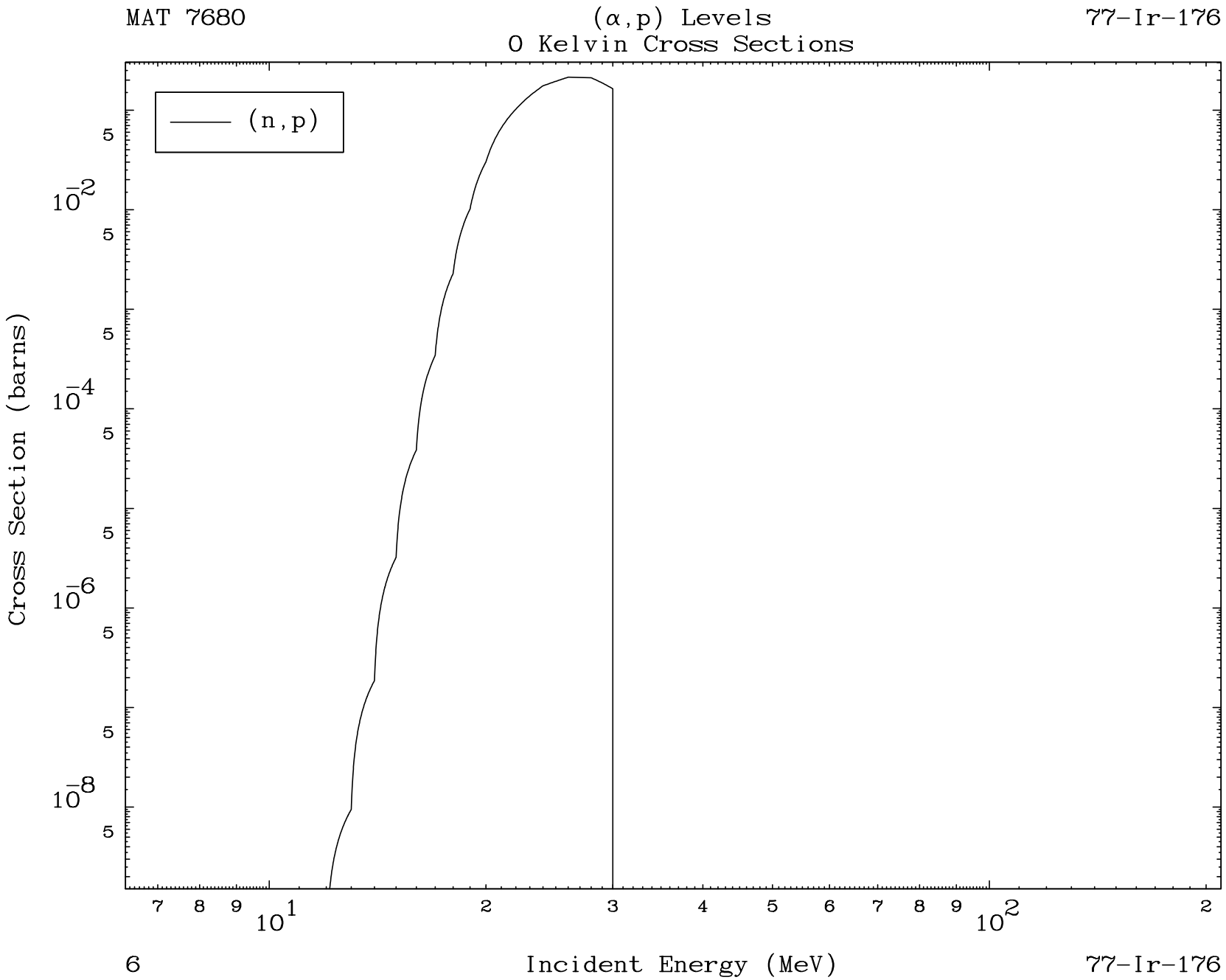

MAT 7680
α Major
77-Ir-176
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-176

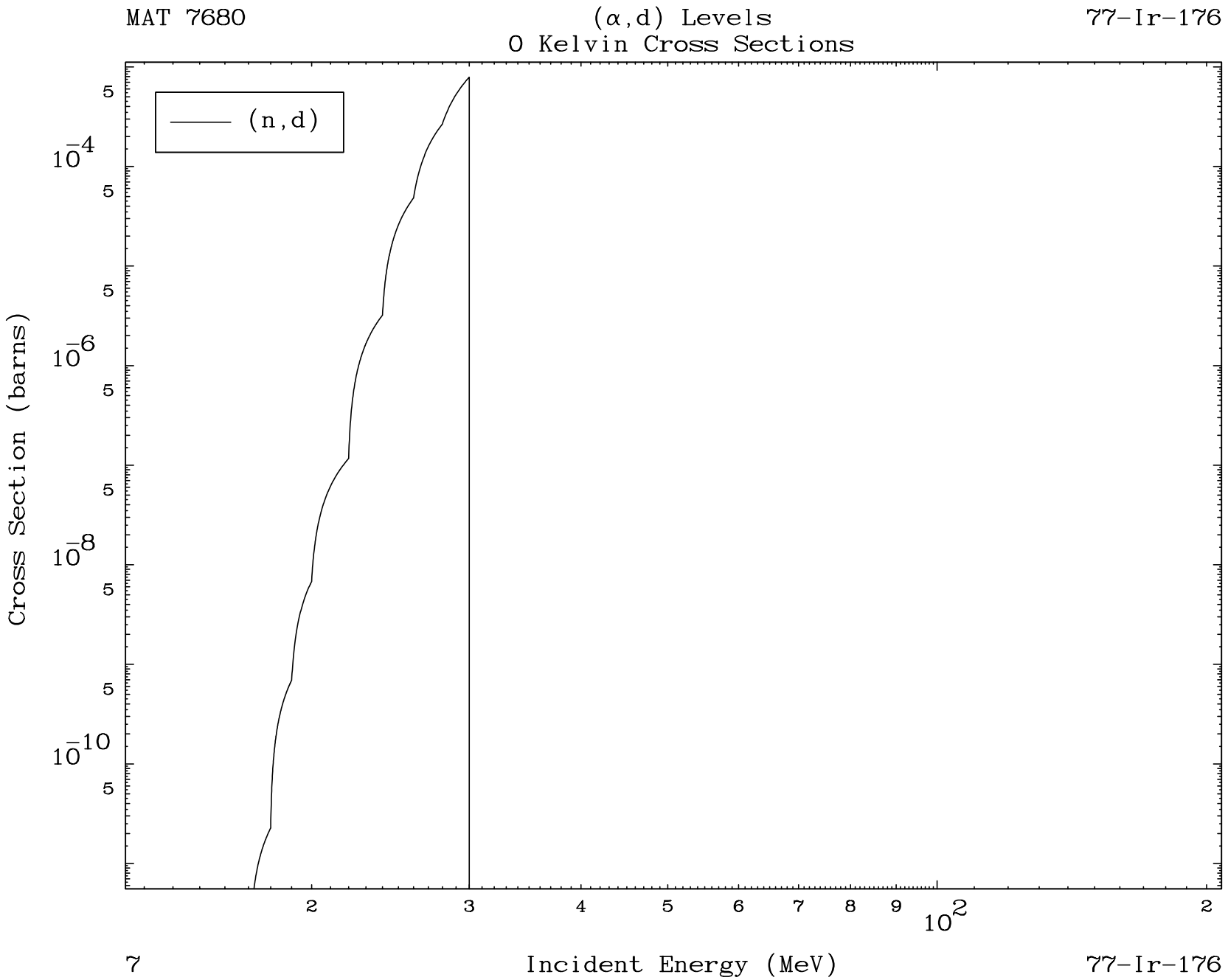

MAT 7680
α Neutron Absorption
0 Kelvin Cross Sections
77-Ir-176
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
2
77-Ir-176

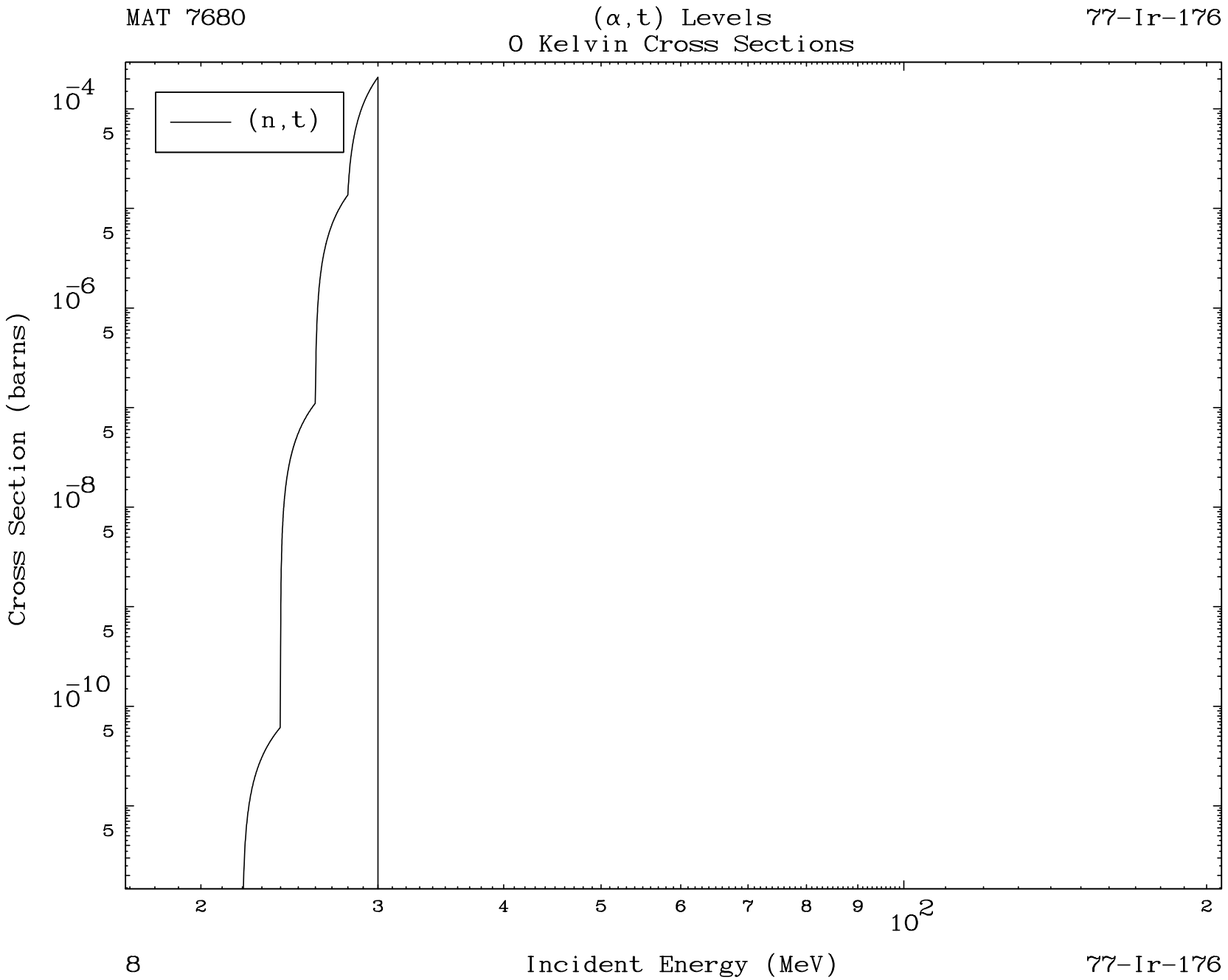

MAT 7680
α Neutron Absorption
0 Kelvin Cross Sections
77-Ir-176
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
77-Ir-176


MAT 7680
α Charged Particle
0 Kelvin Cross Sections
77-Ir-176
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
4
77-Ir-176

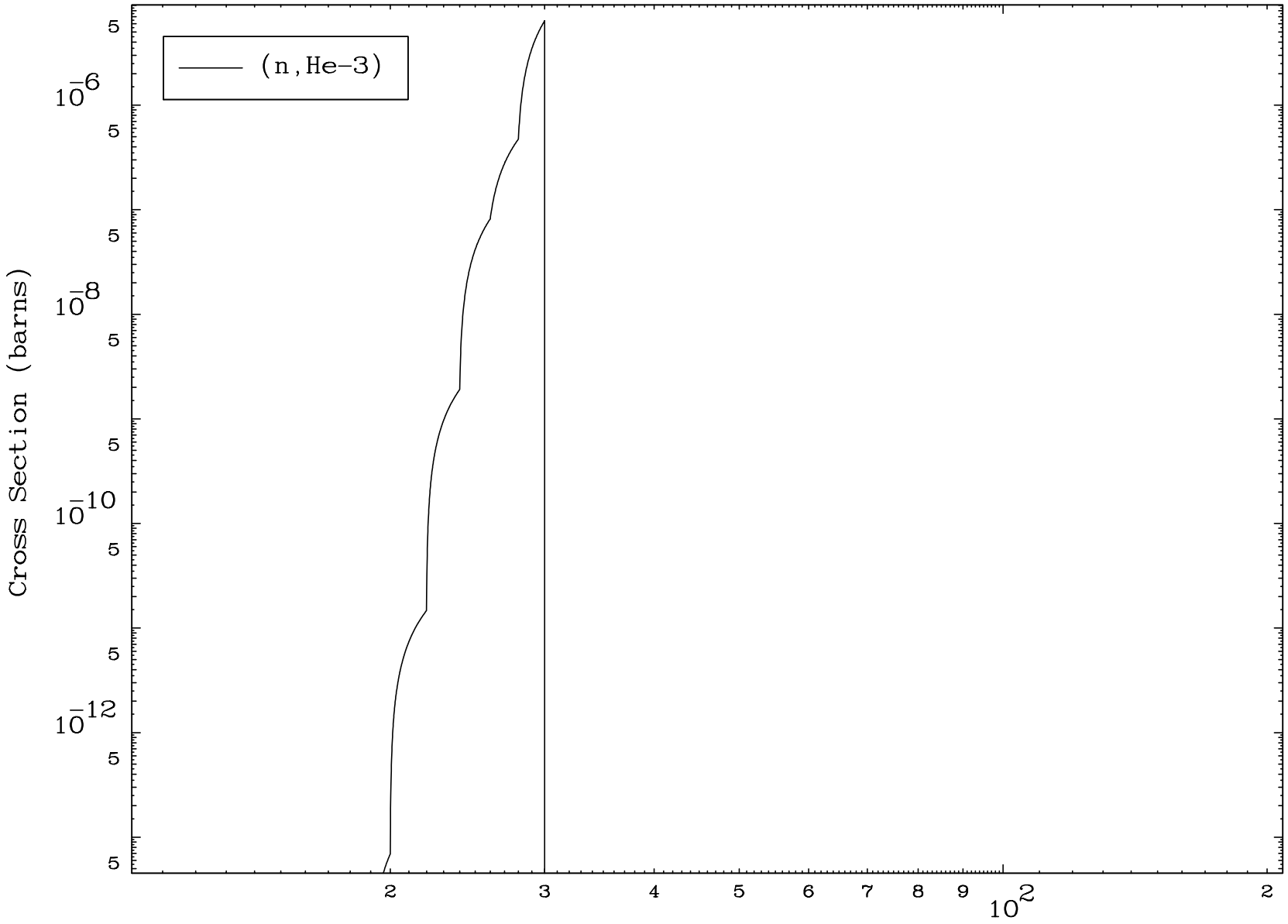

MAT 7680
α Charged Particle
0 Kelvin Cross Sections
77-Ir-176
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
5
77-Ir-176

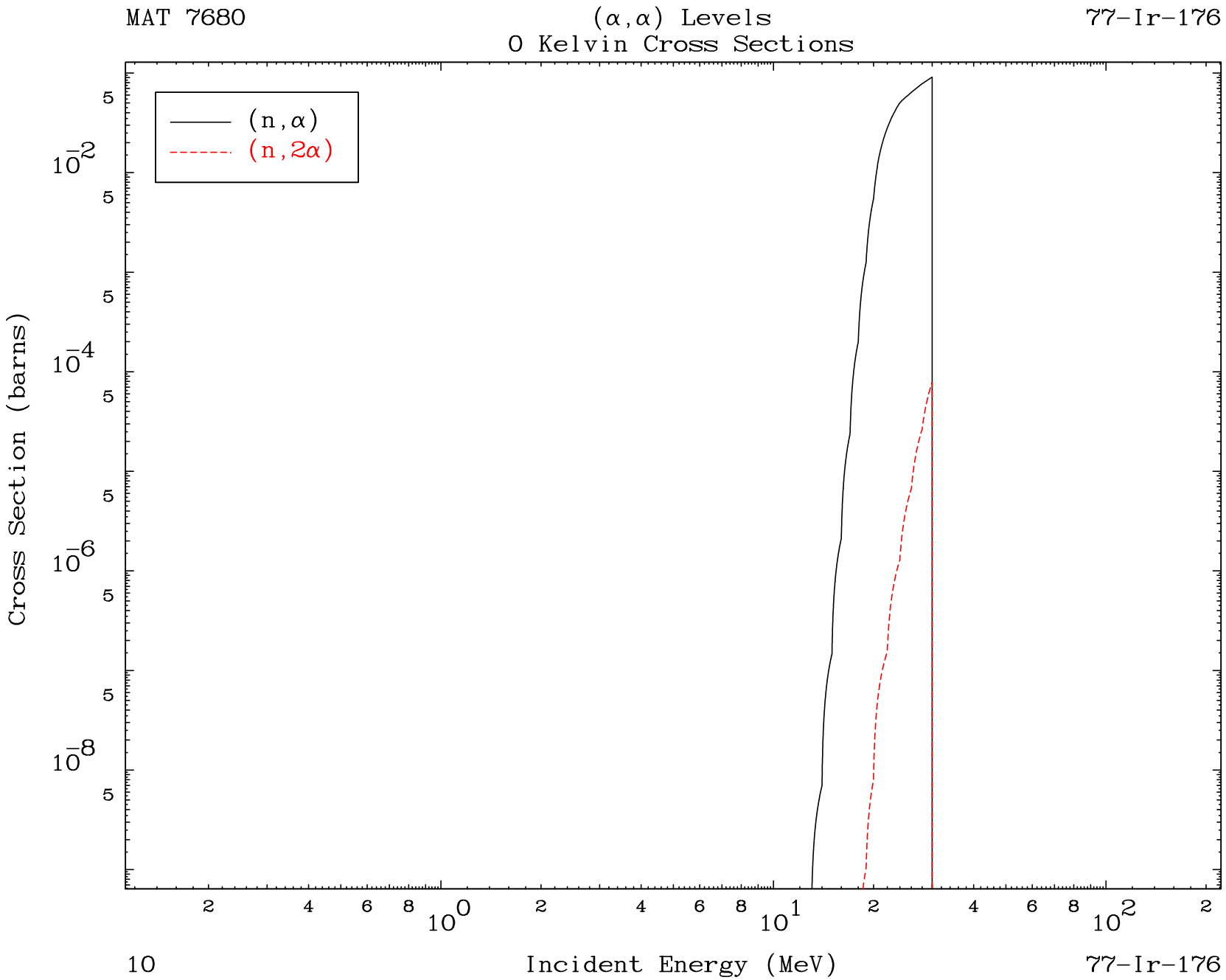

MAT 7680
(α,p) Levels
77-Ir-176
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
77-Ir-176

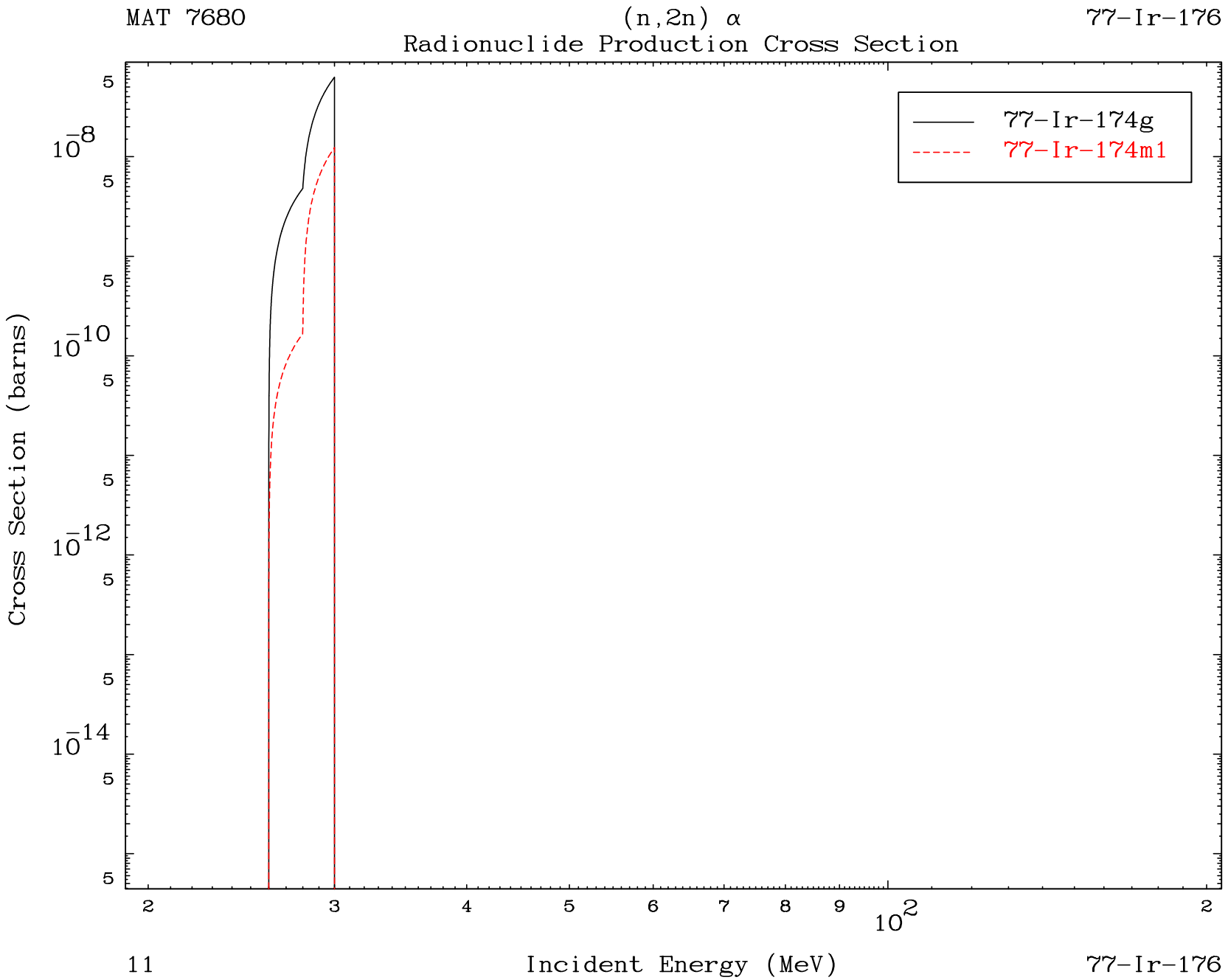

MAT 7680
(α,d) Levels
77-Ir-176
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
77-Ir-176

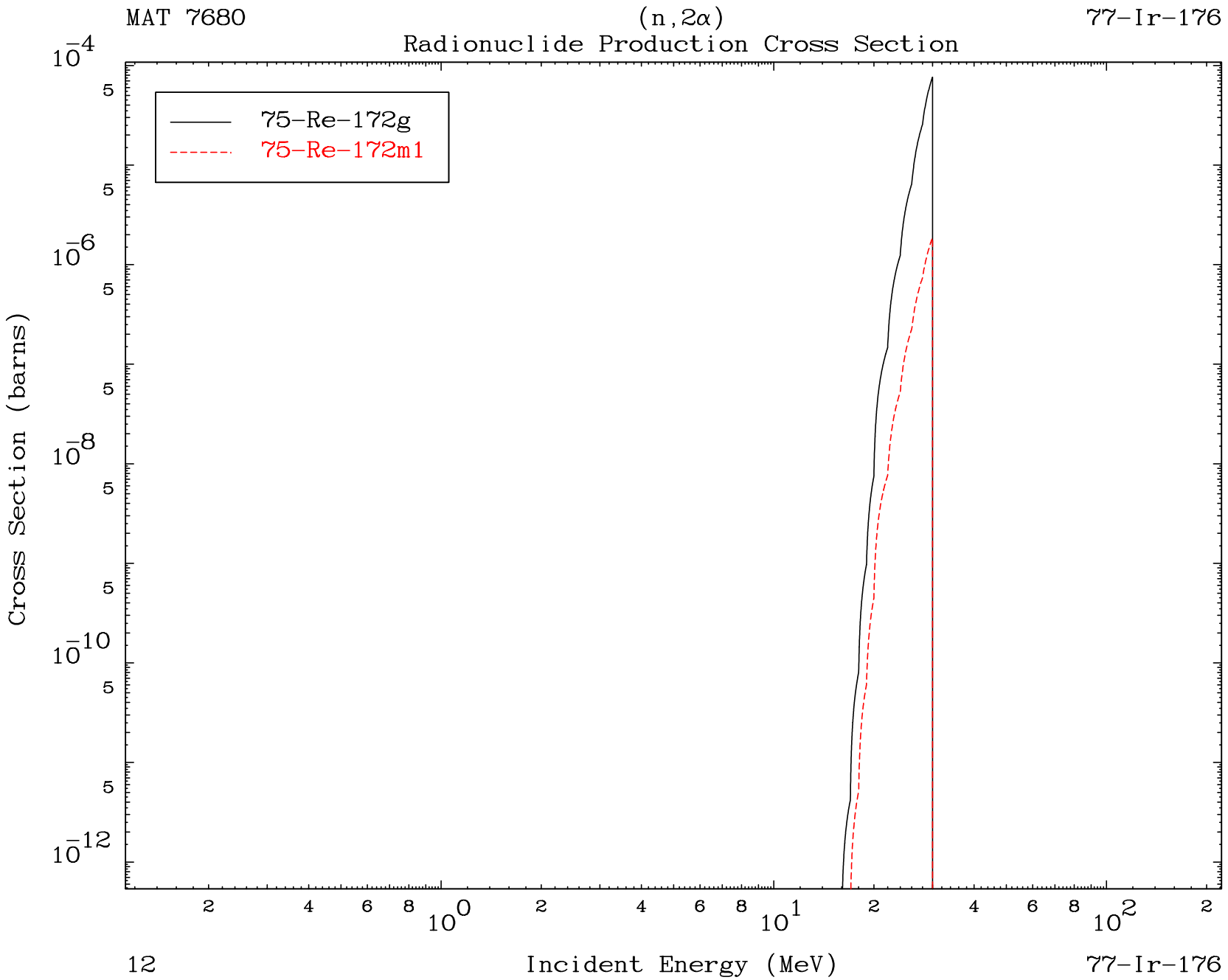

MAT 7680
(α,t) Levels
77-Ir-176
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
8
77-Ir-176

0 Kelvin Cross Sections




MAT 7680
(α,α) Levels
77-Ir-176
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
77-Ir-176


MAT 7680
(n,2n) α
77-Ir-176
Radionuclide Production Cross Section
77-Ir-174g
77-Ir-174m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
77-Ir-176


MAT 7680
(n,2α)
77-Ir-176
Radionuclide Production Cross Section
75-Re-172g
75-Re-172m1
Cross Section (barns)
Incident Energy (MeV)
12
77-Ir-176