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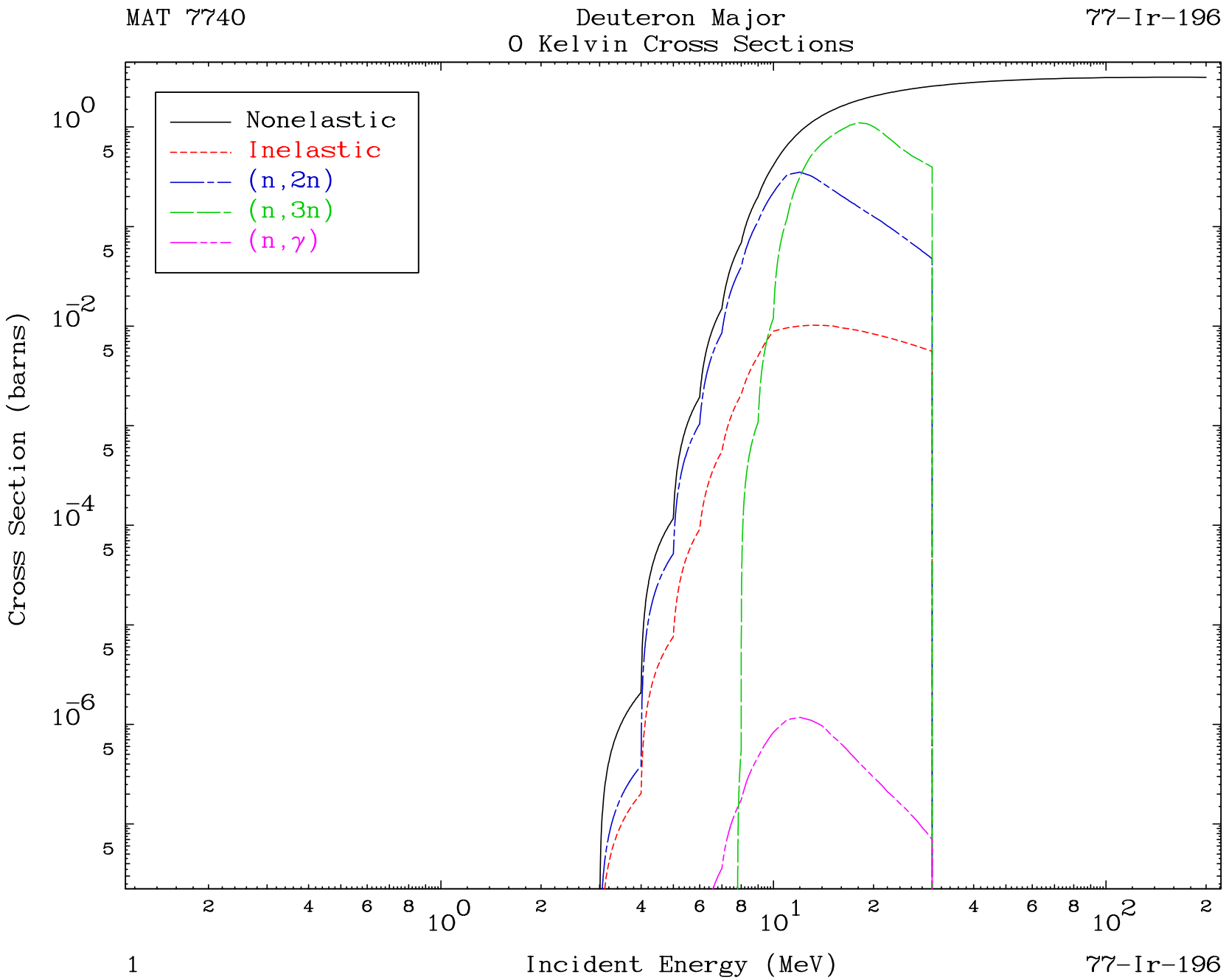
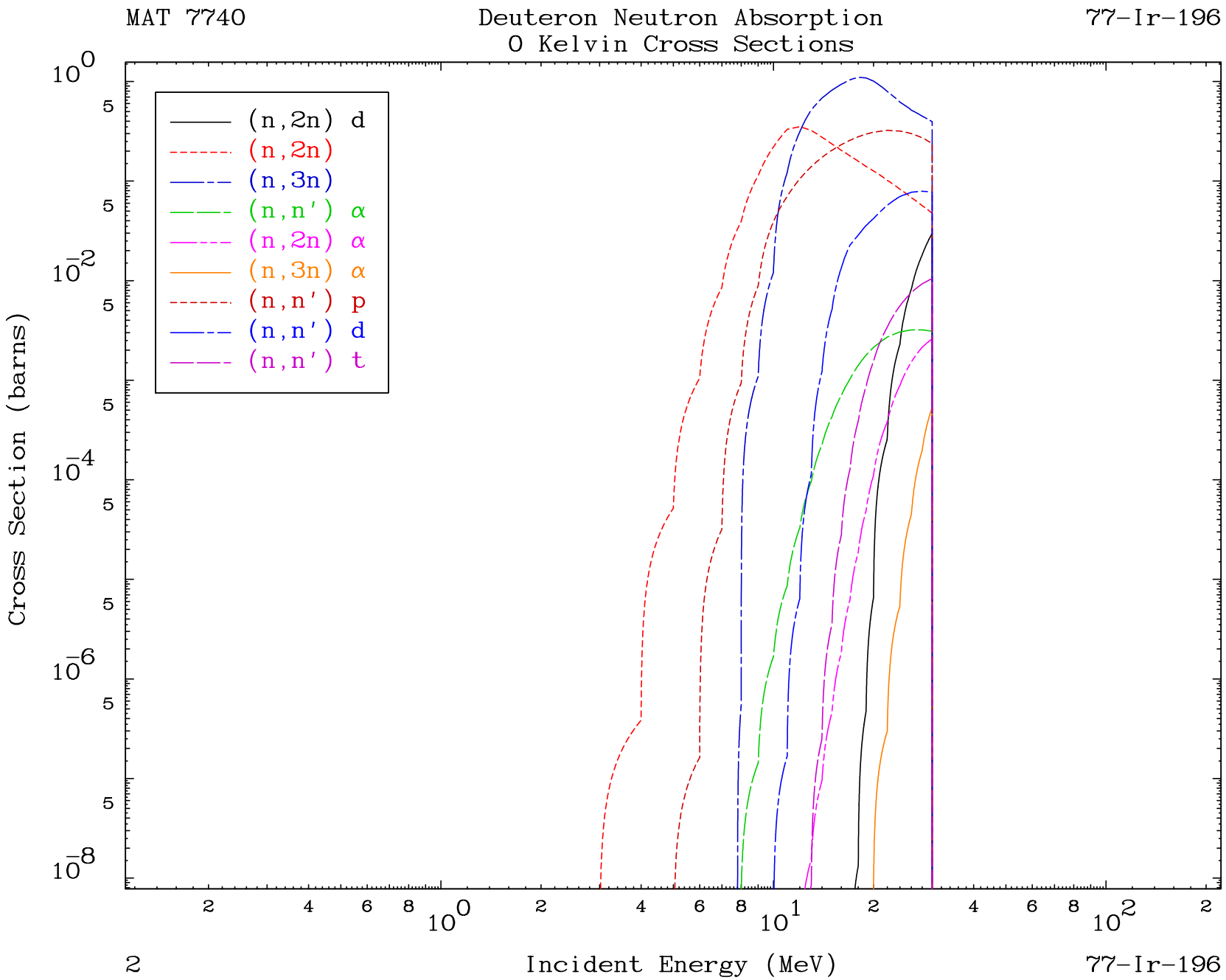
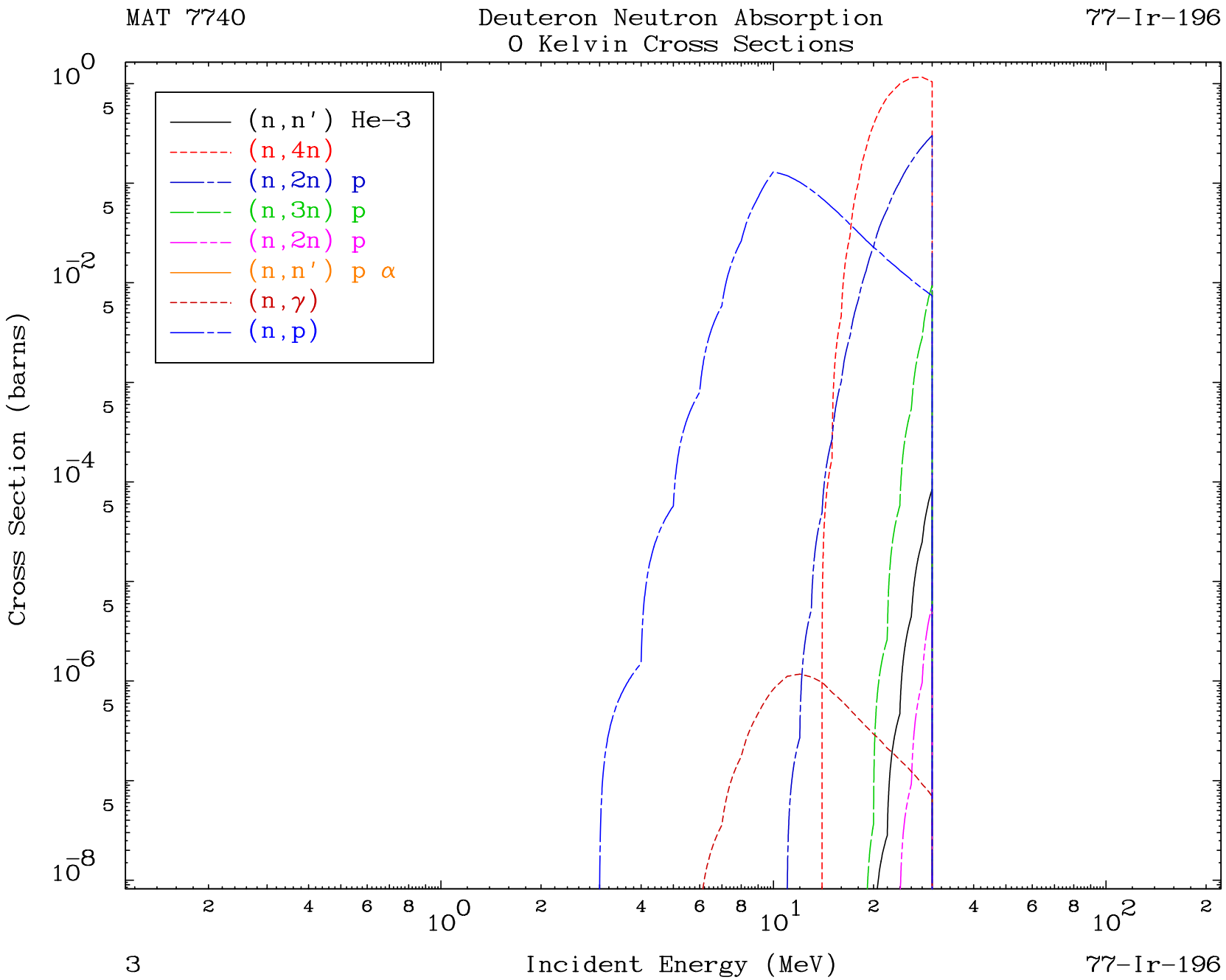
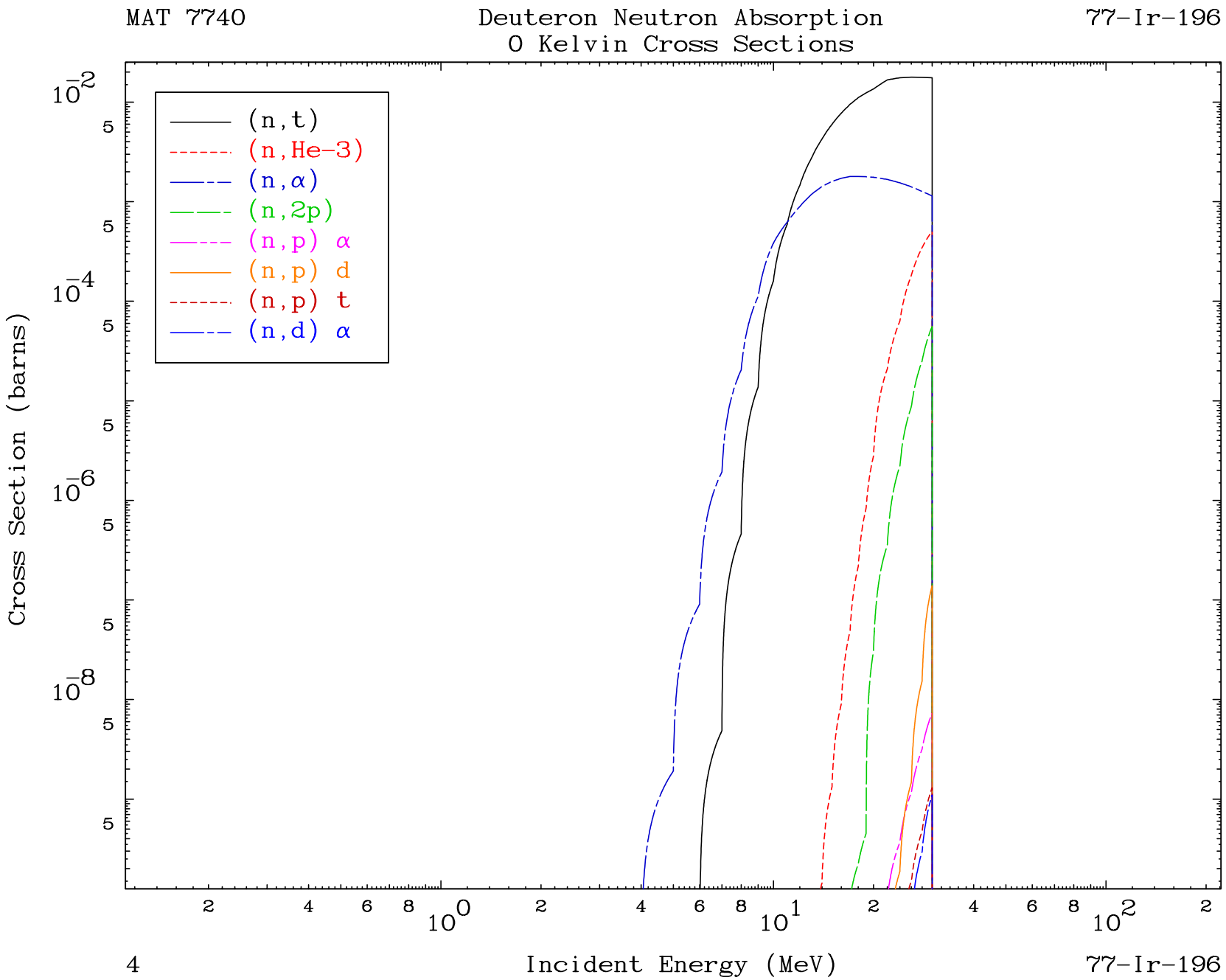
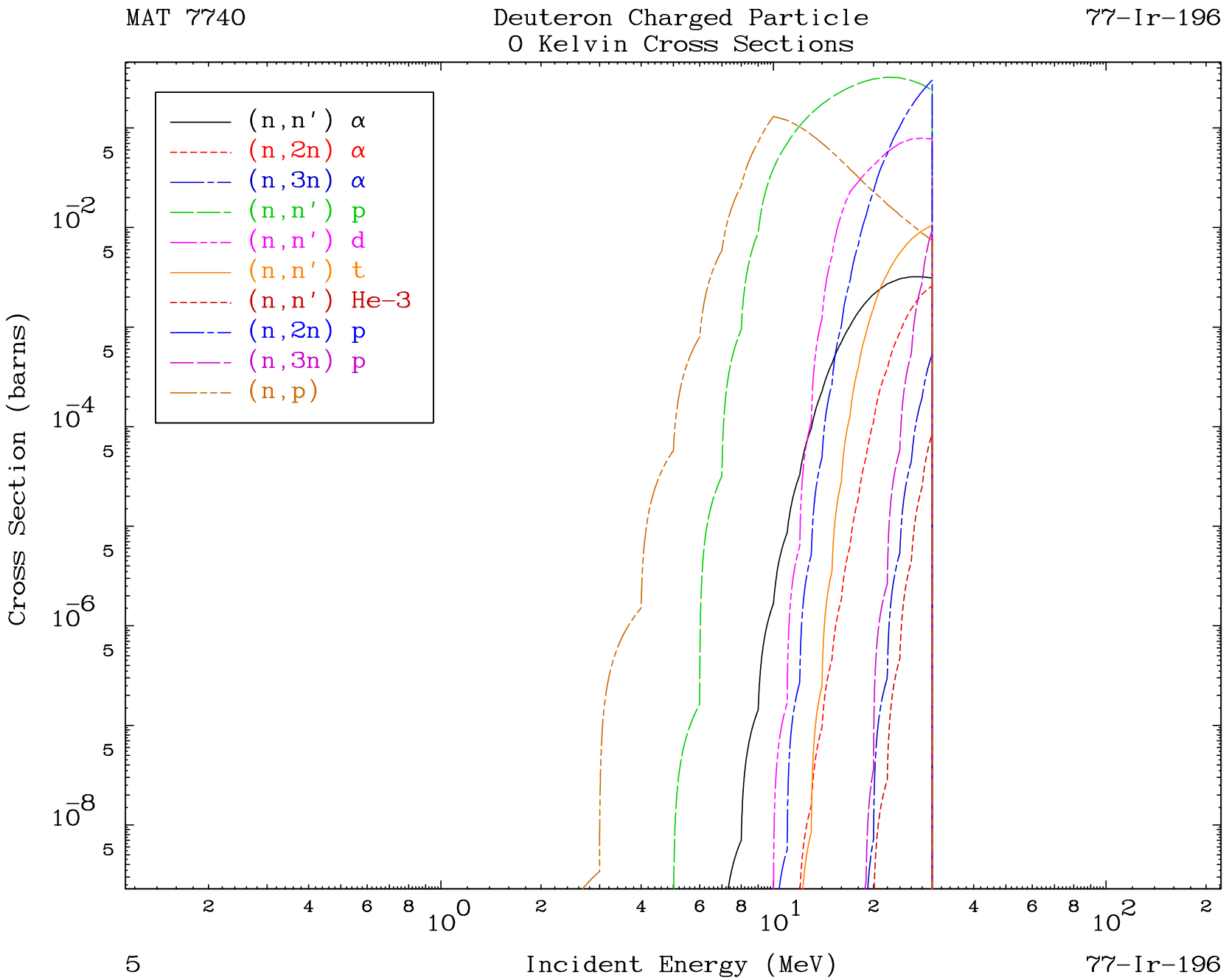
Press Mouse Button to Start

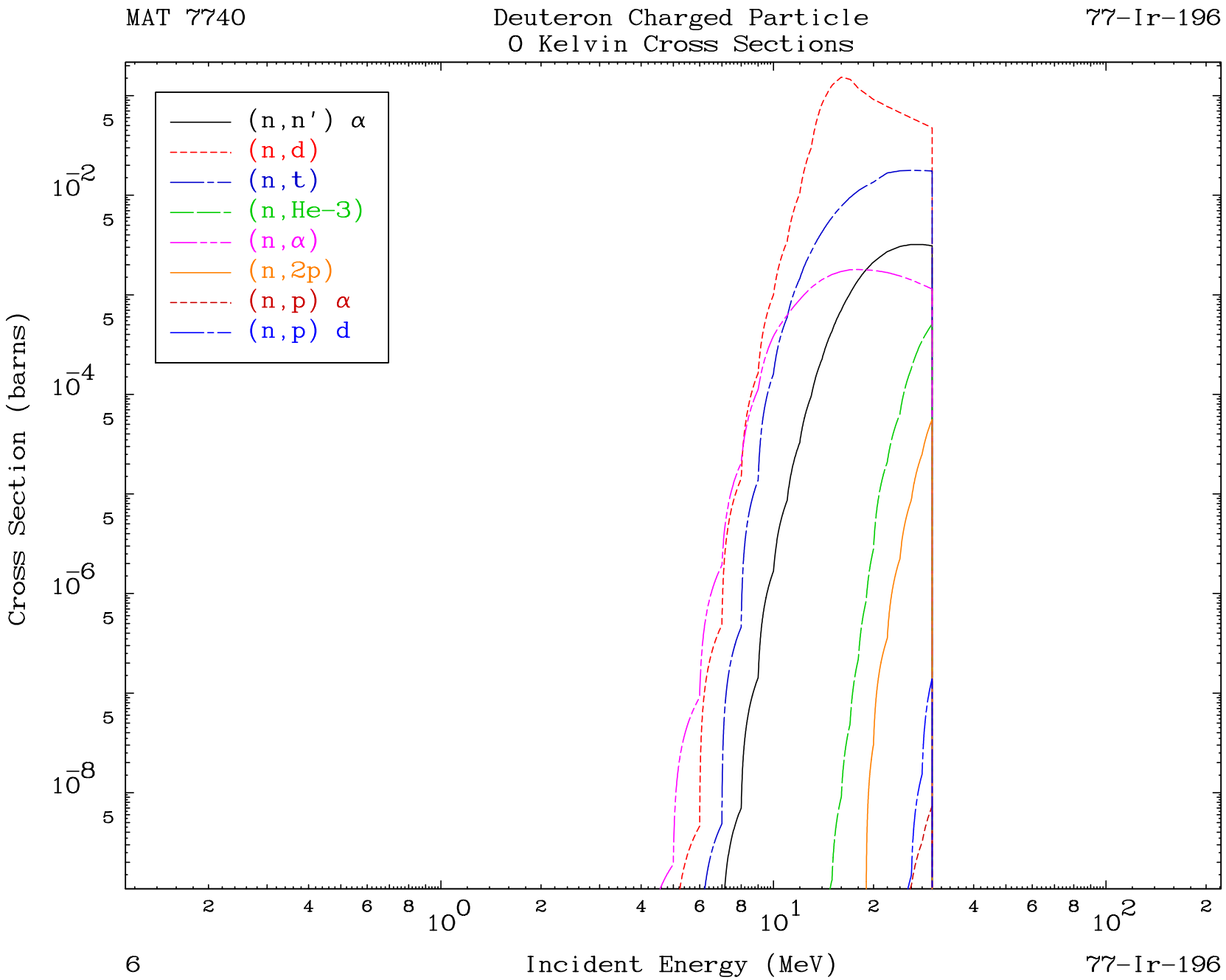

MAT 7740
Deuteron Major
0 Kelvin Cross Sections
77-Ir-196
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
77-Ir-196

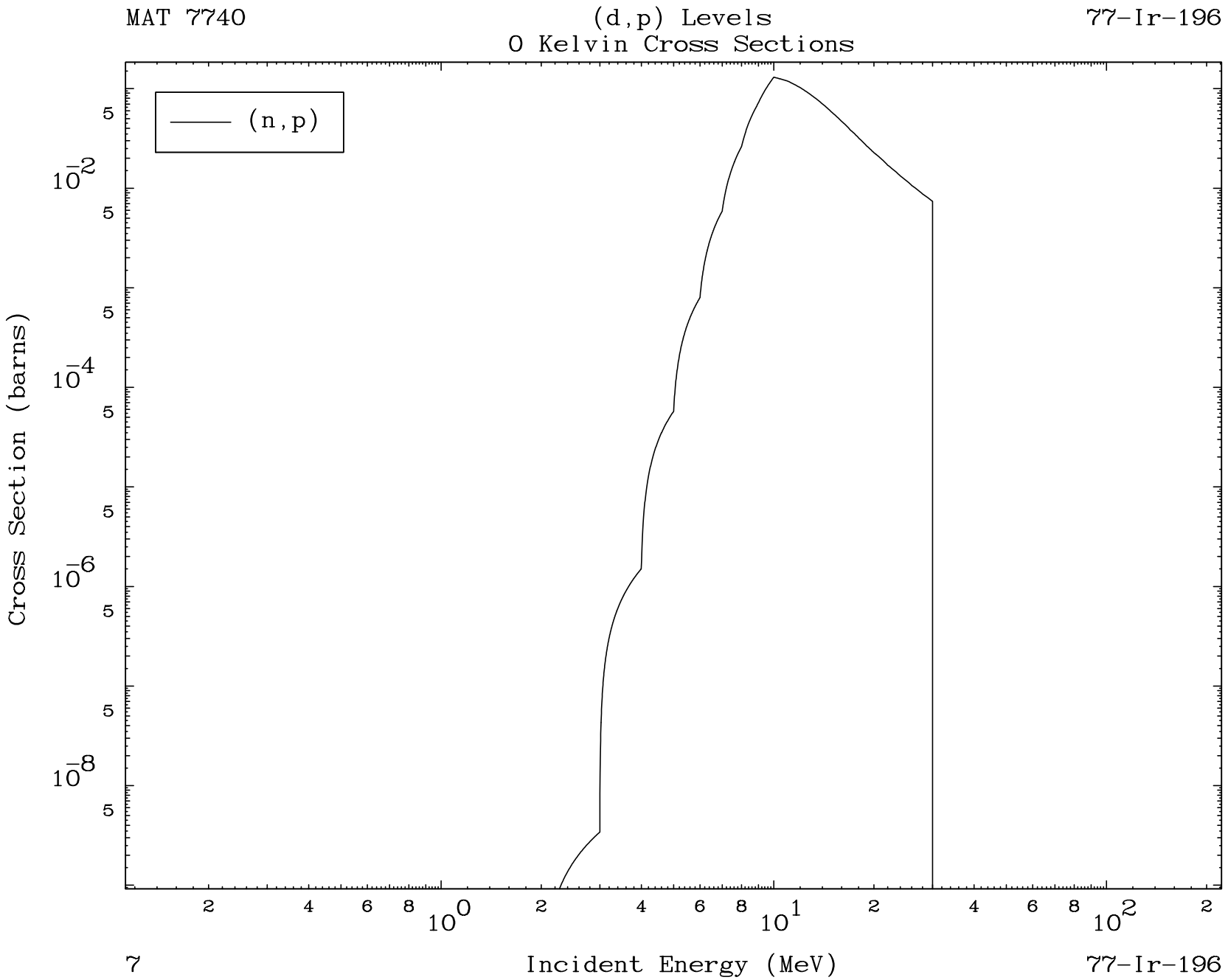

MAT 7740
Deuteron Neutron Absorption
0 Kelvin Cross Sections
77-Ir-196
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
77-Ir-196

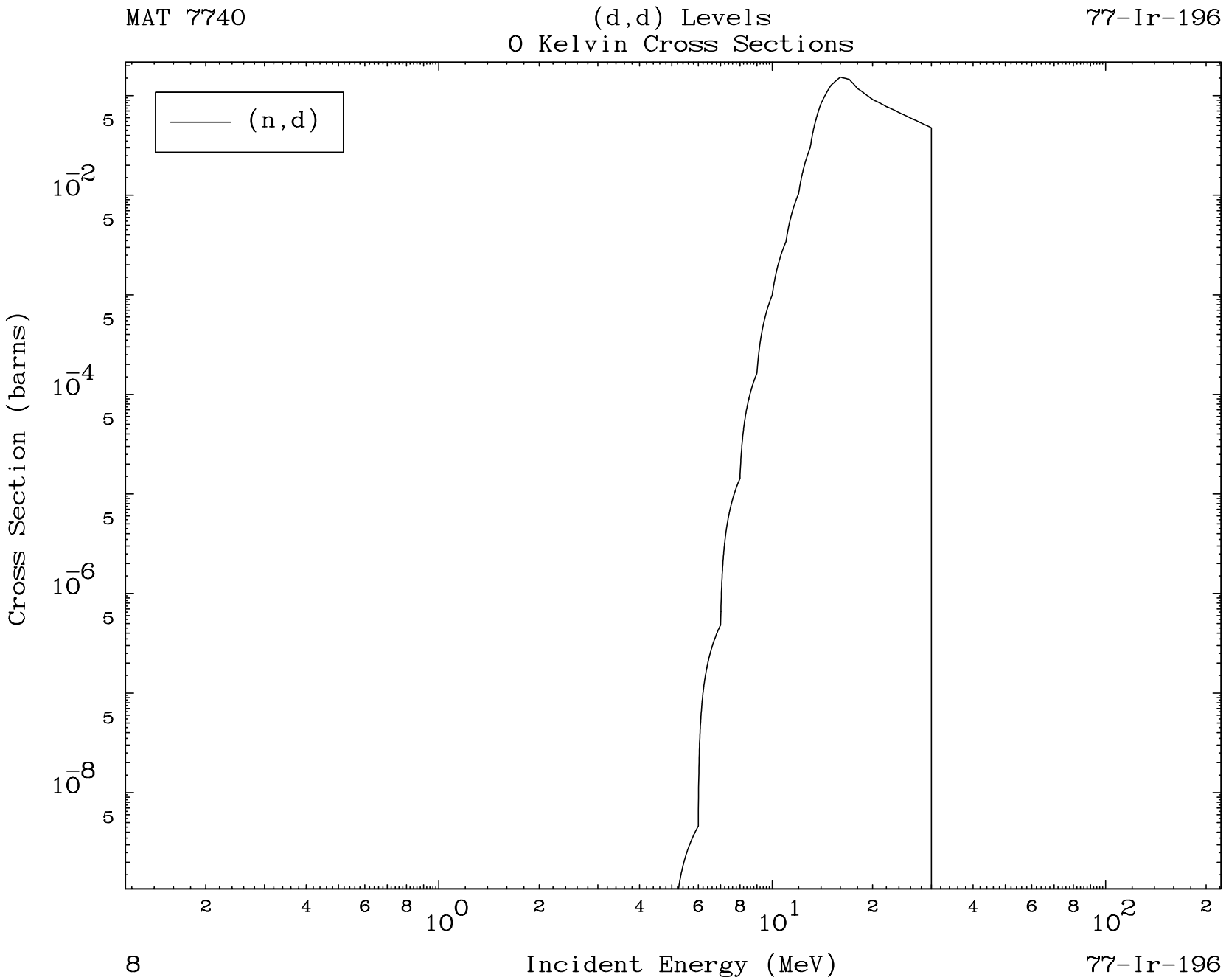

MAT 7740
Deuteron Neutron Absorption
0 Kelvin Cross Sections
77-Ir-196
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
3
77-Ir-196


MAT 7740
Deuteron Neutron Absorption
0 Kelvin Cross Sections
77-Ir-196
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
77-Ir-196


MAT 7740
Deuteron Charged Particle
0 Kelvin Cross Sections
77-Ir-196
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
77-Ir-196


MAT 7740
Deuteron Charged Particle
0 Kelvin Cross Sections
77-Ir-196
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
6
77-Ir-196


MAT 7740
(d,p) Levels
77-Ir-196
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
101
102
2
4
6
8
Incident Energy (MeV)
7
77-Ir-196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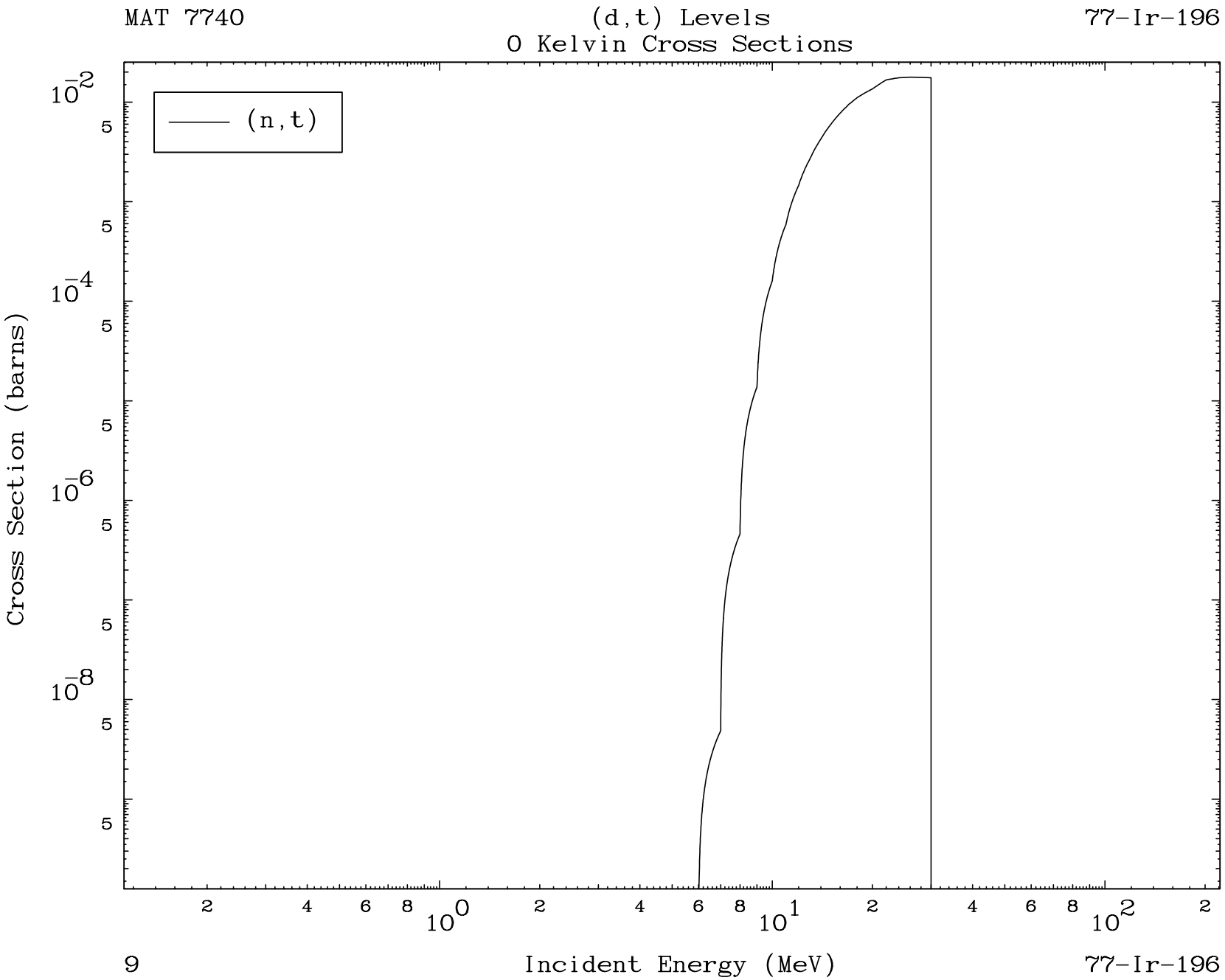
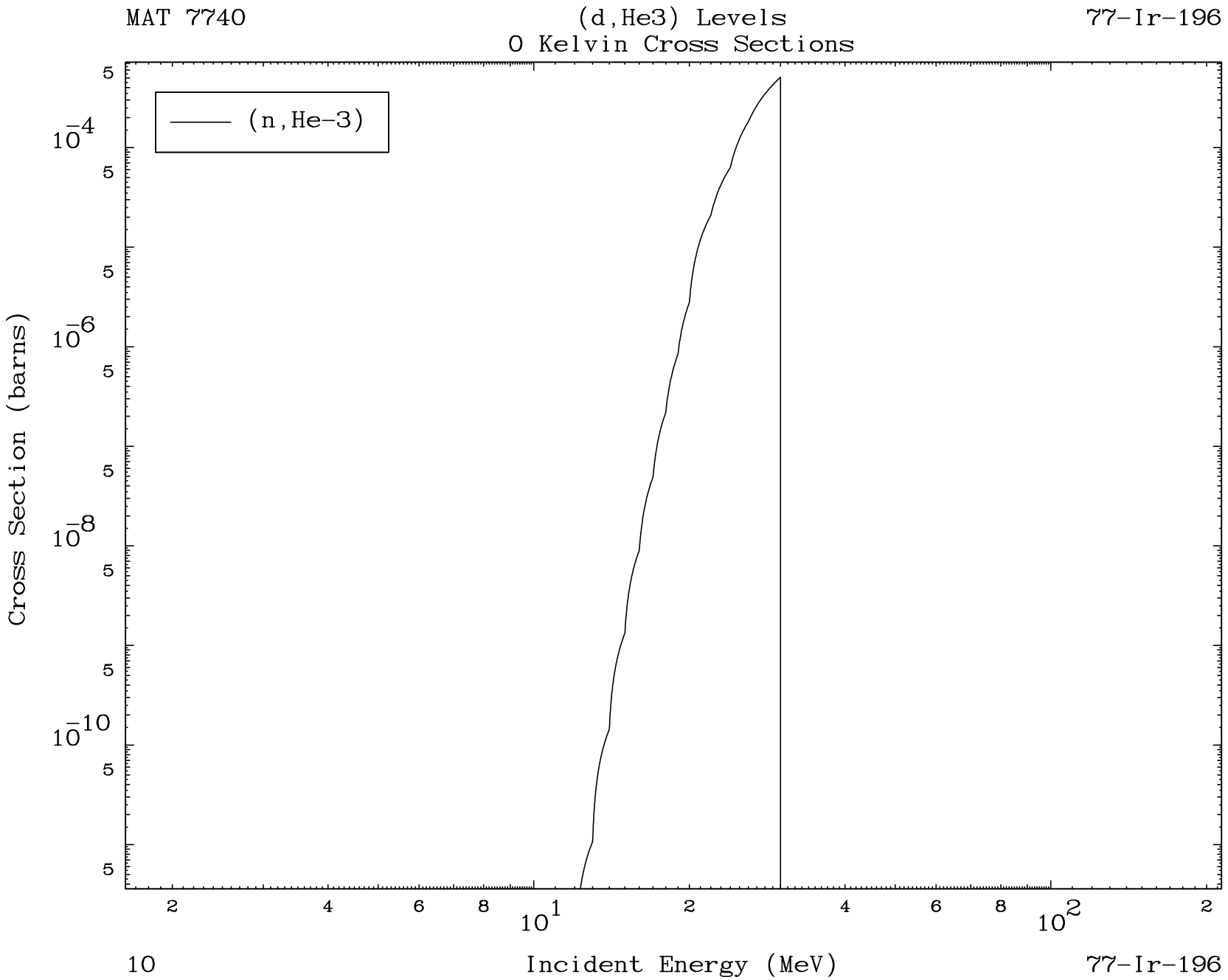
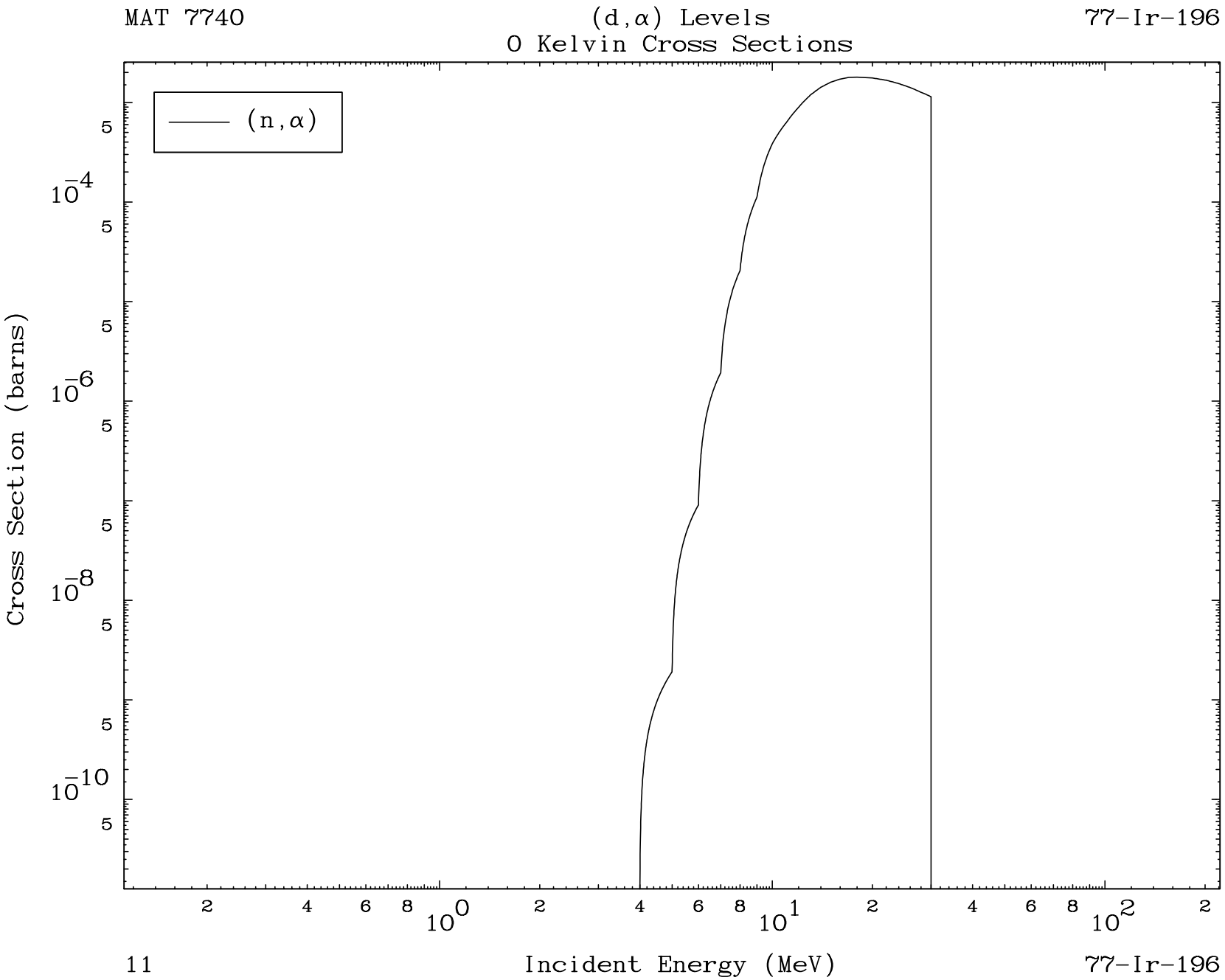
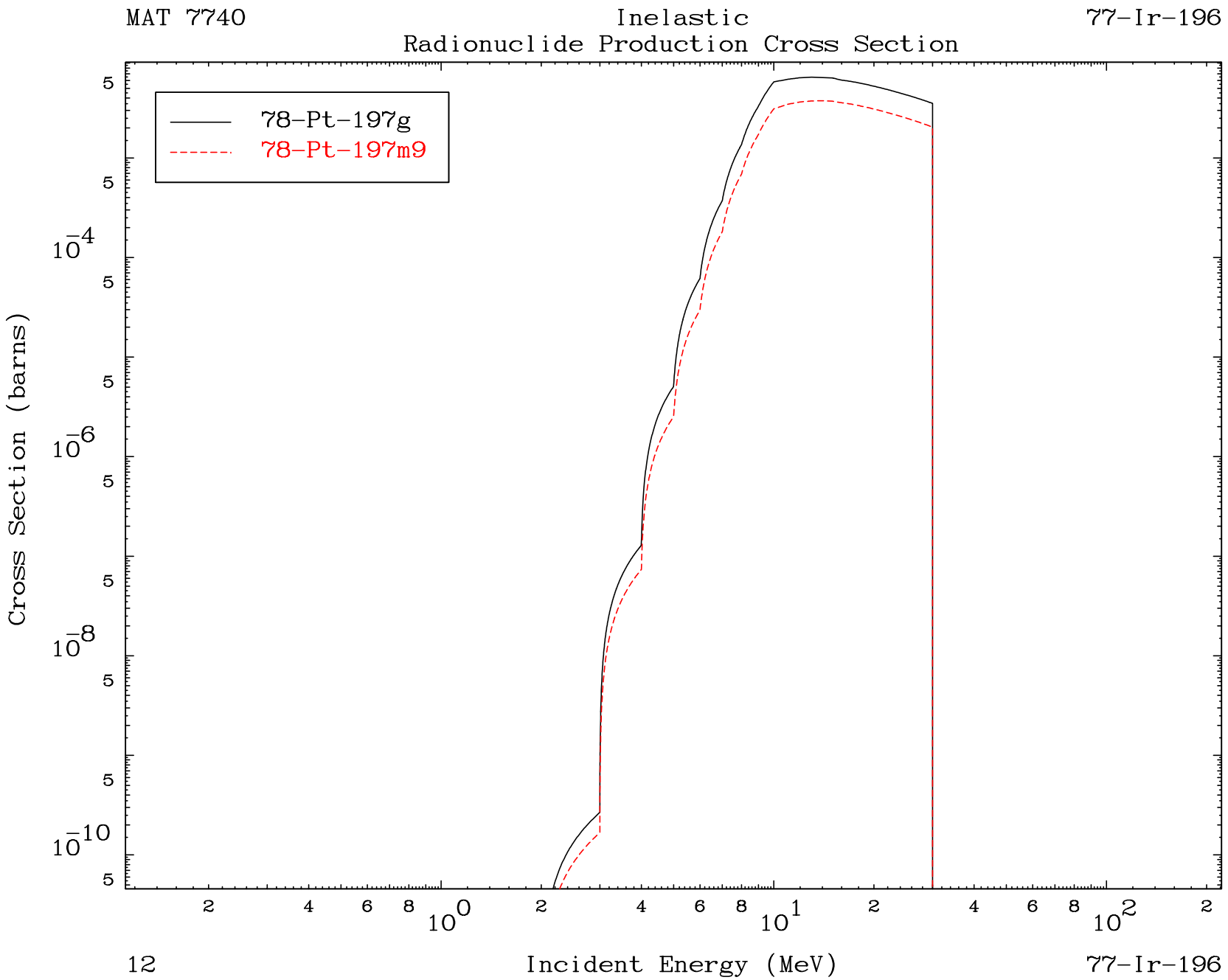
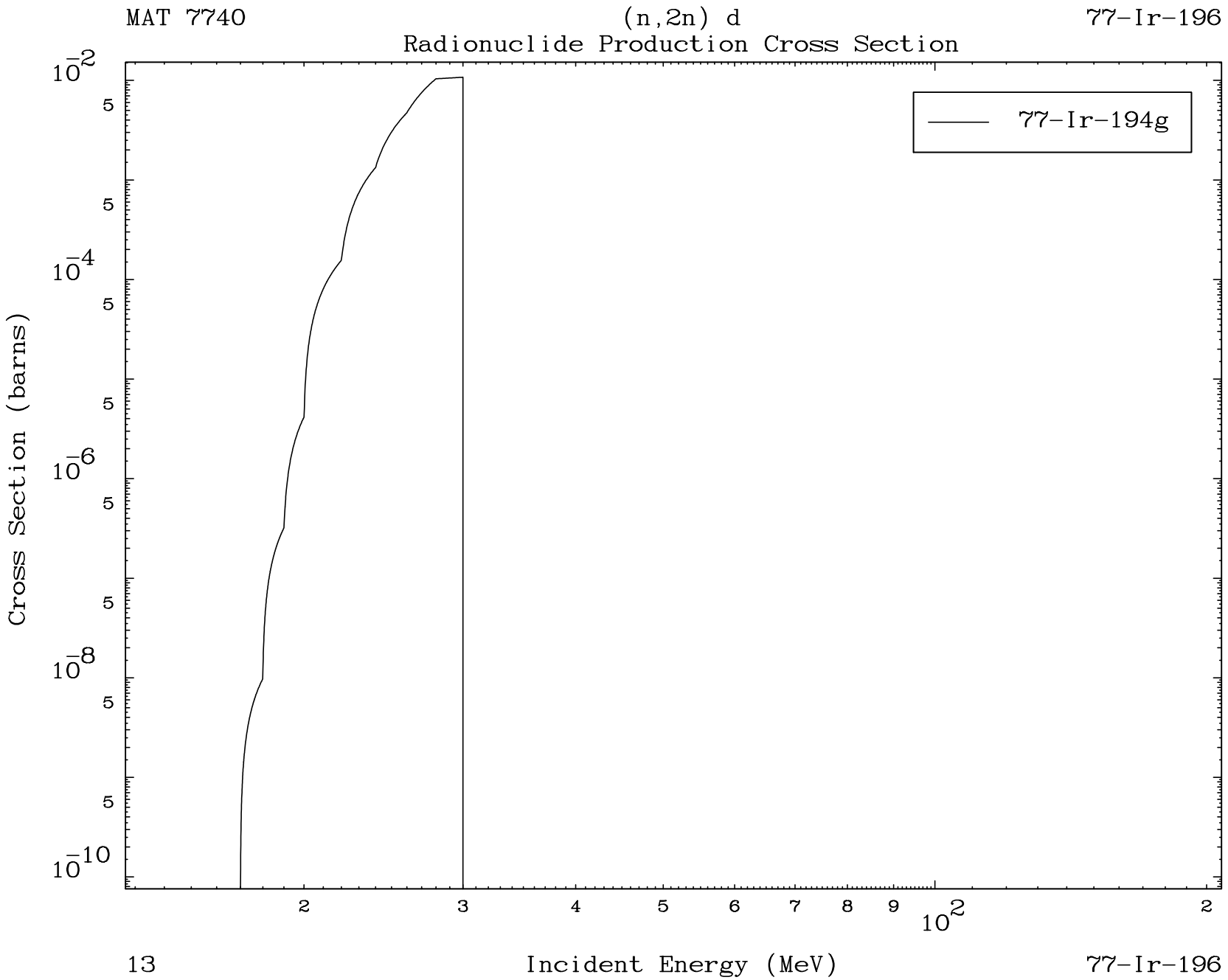
(d,d) Levels
77-Ir-196
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
77-Ir-196

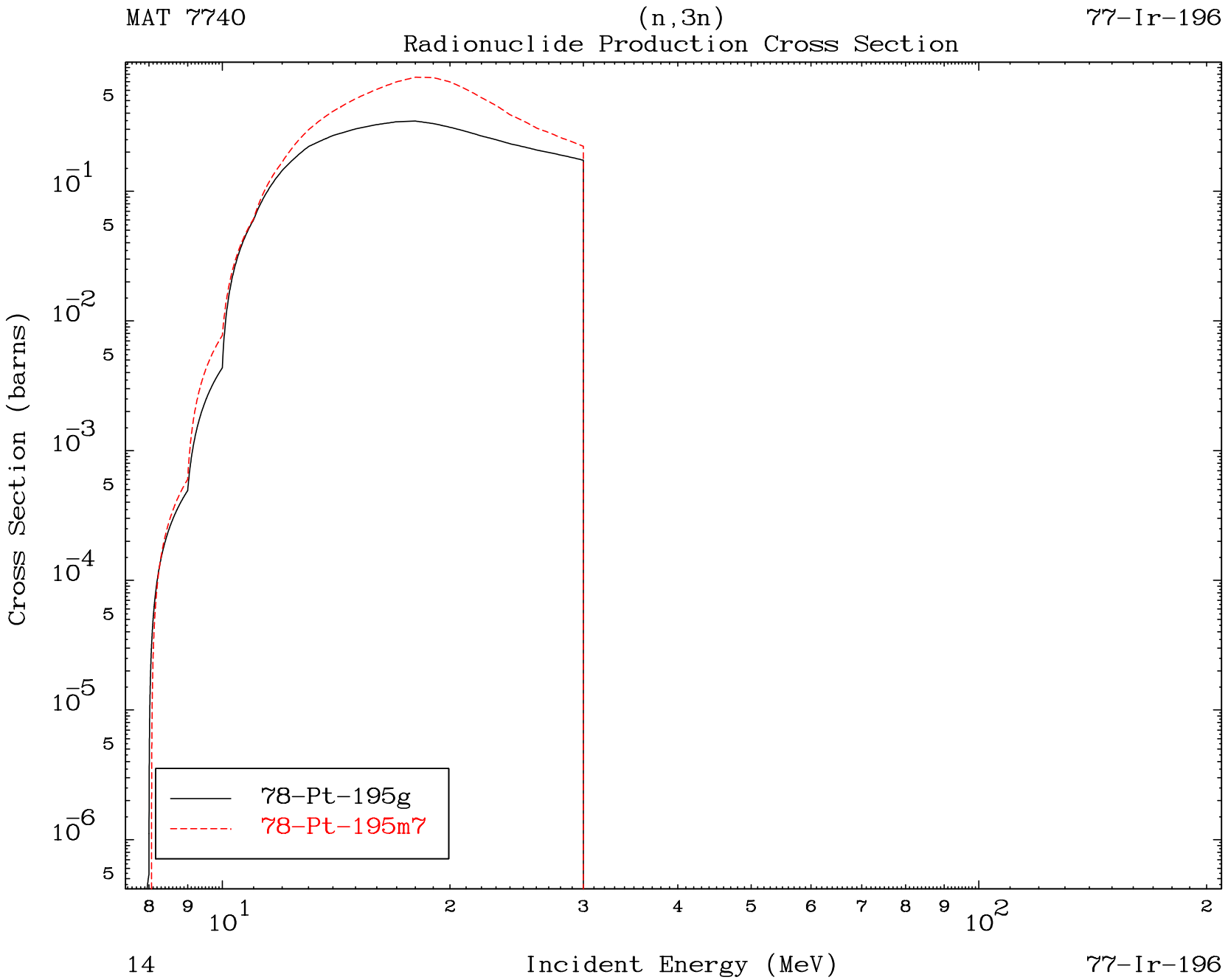

MAT 7740
(d,t) Levels
77-Ir-196
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
77-Ir-196

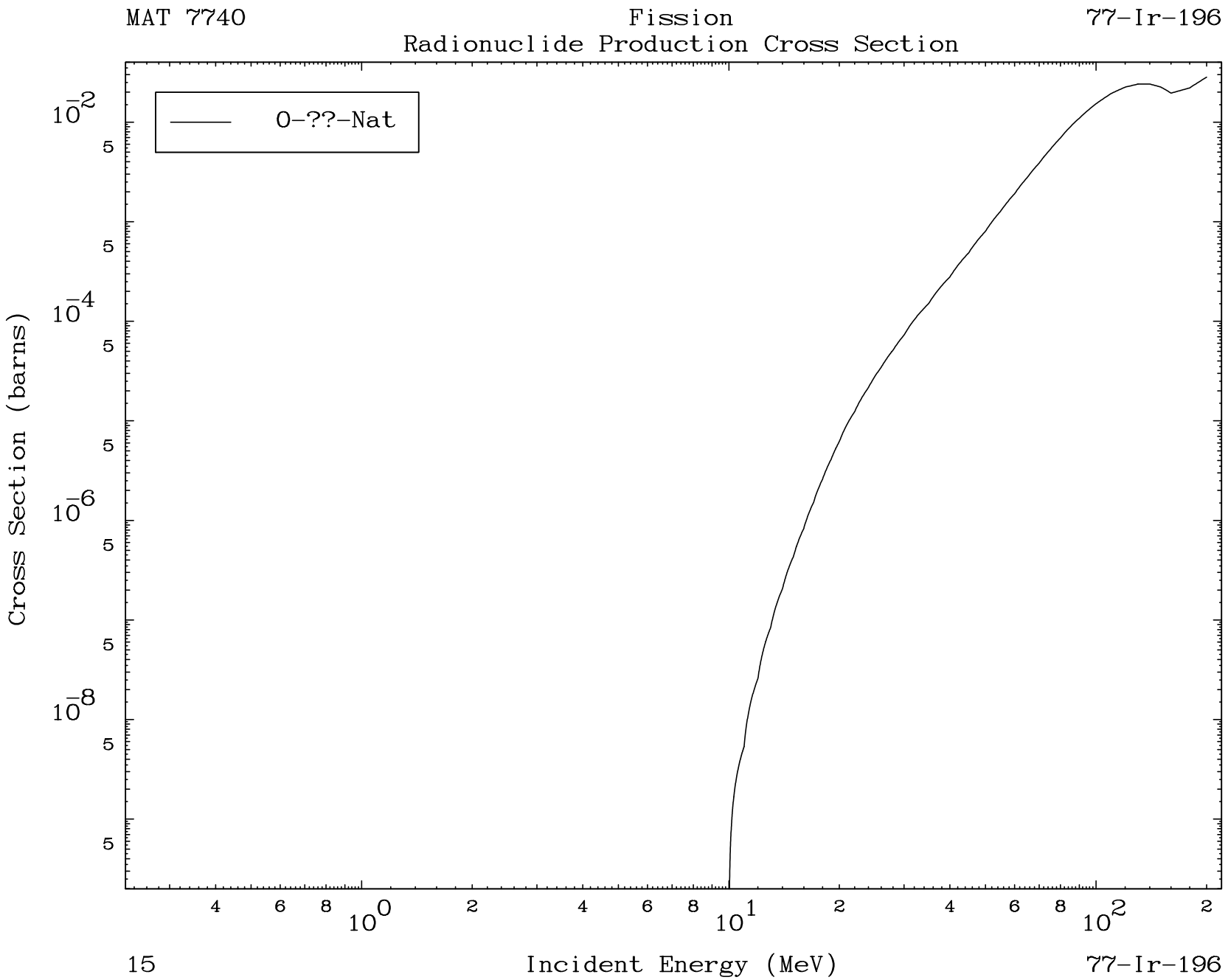

MAT 7740
(d,He3) Levels
77-Ir-196
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
77-Ir-196

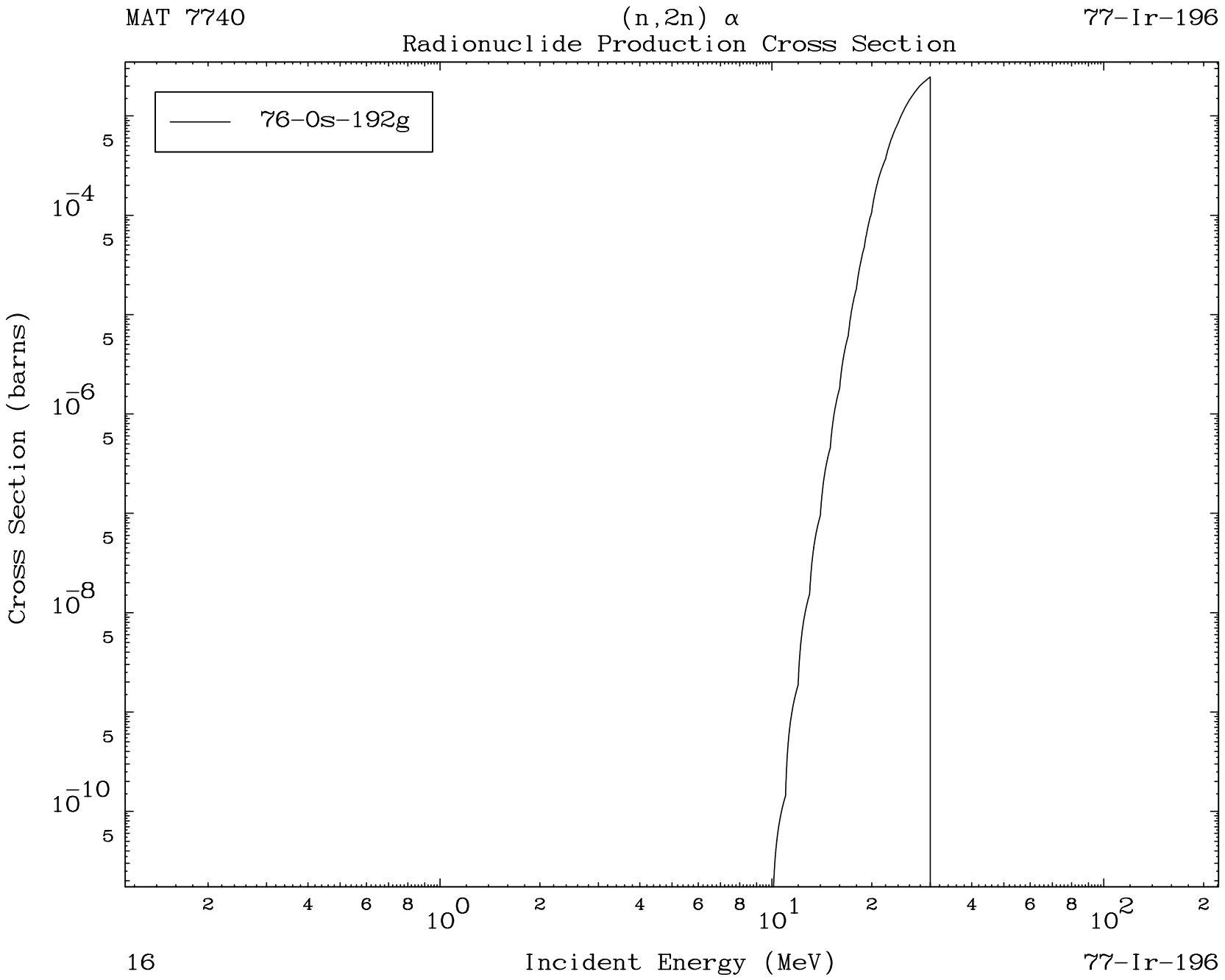

MAT 7740
(d,α) Levels
77-Ir-196
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
77-Ir-196

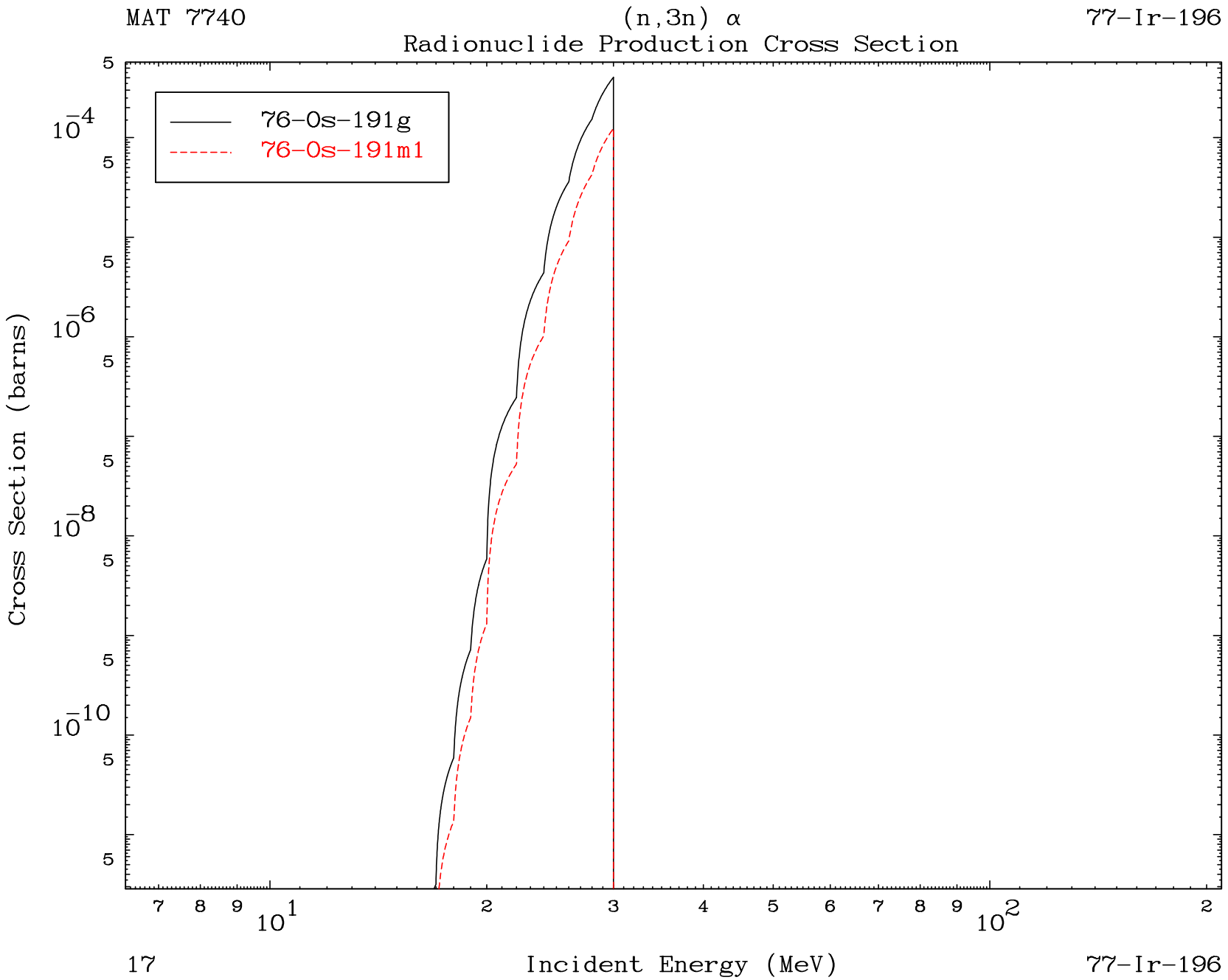

MAT 7740
Inelastic
77-Ir-196
Radionuclide Production Cross Section
78-Pt-197g
78-Pt-197m9
Cross Section (barns)
Incident Energy (MeV)
12
77-Ir-196

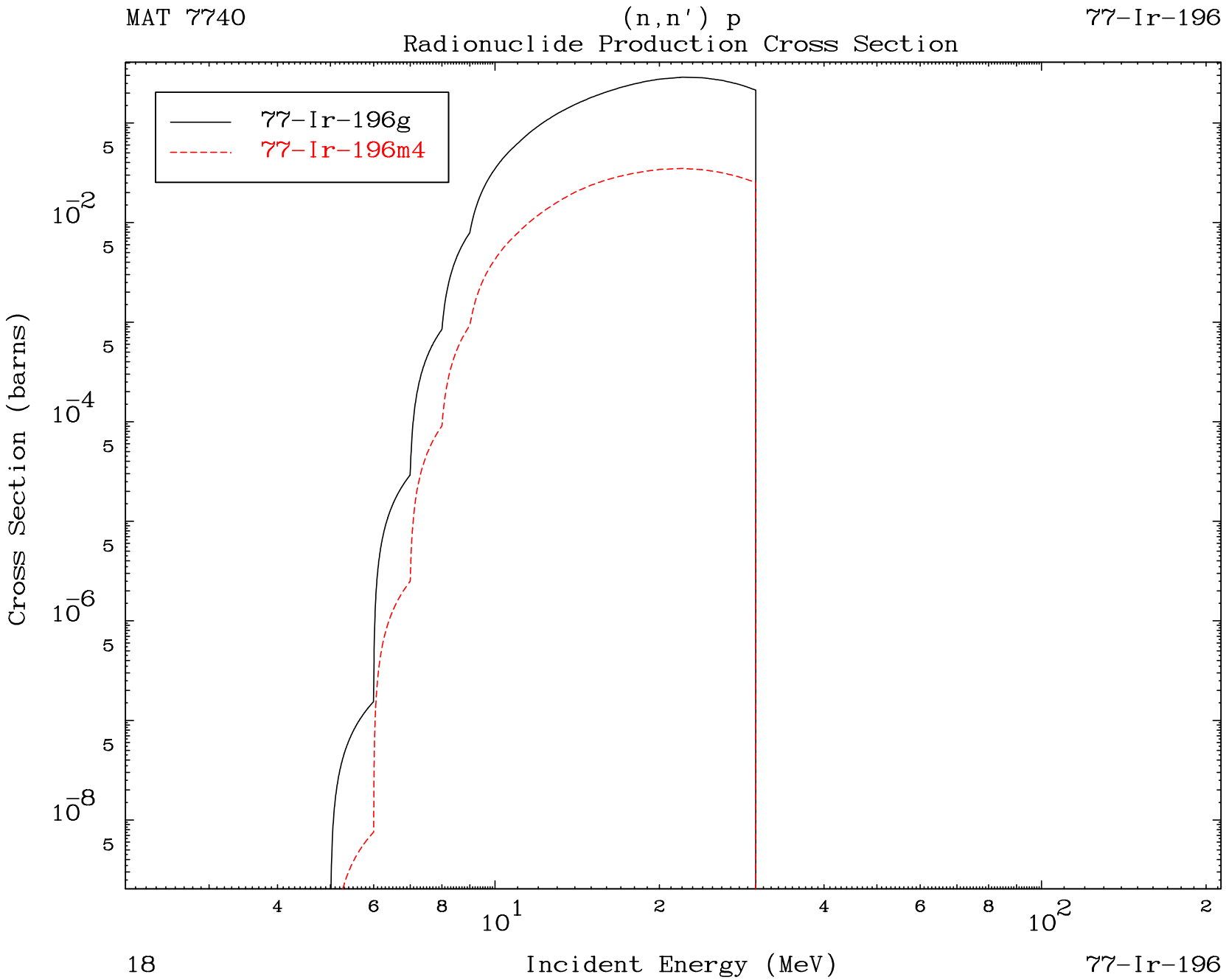

MAT 7740
(n,2n) d
77-Ir-196
Radionuclide Production Cross Section
77-Ir-194g
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
77-Ir-196

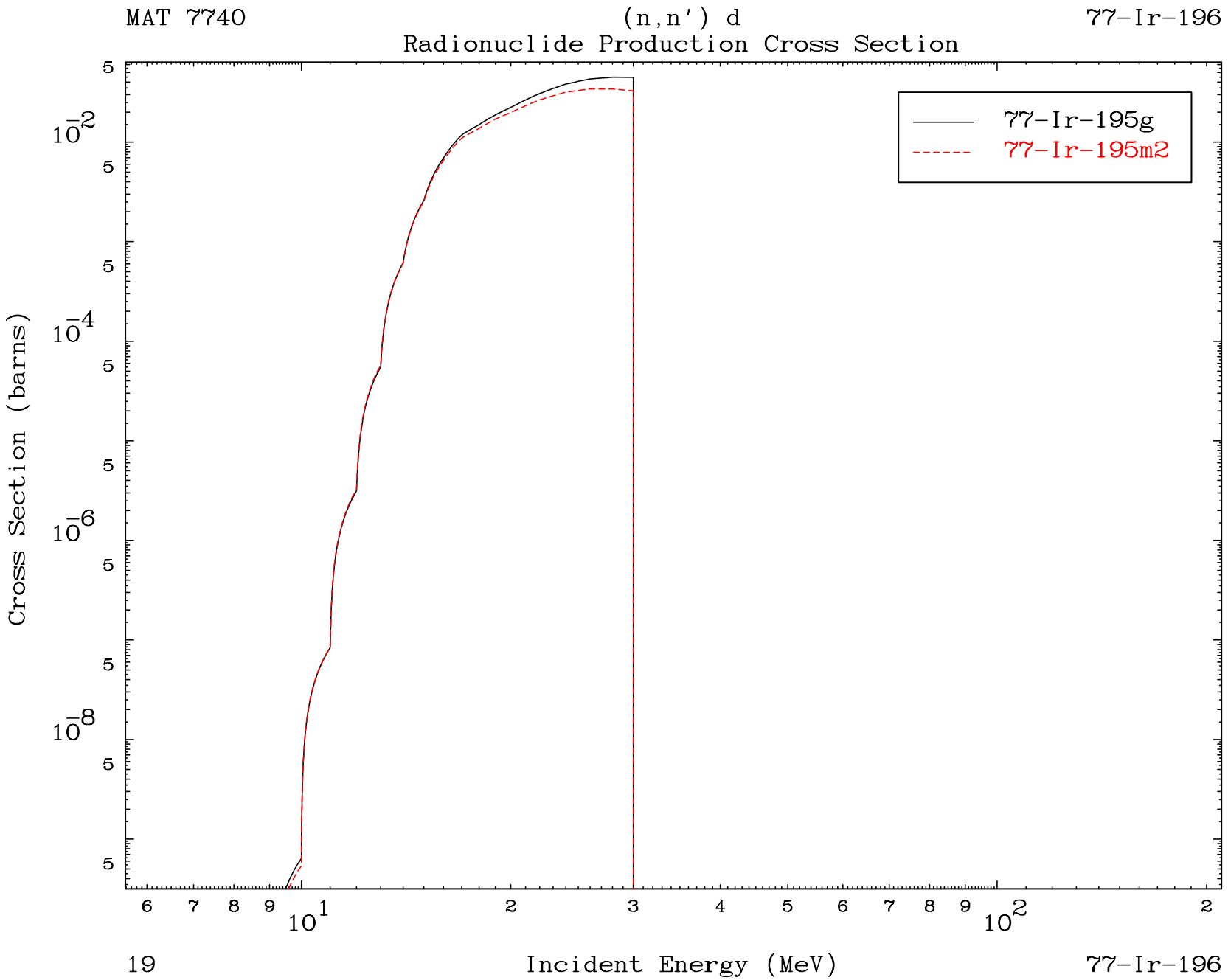

MAT 7740
(n,3n)
77-Ir-196
Radionuclide Production Cross Section
Cross Section (barns)
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
78-Pt-195g
78-Pt-195m7
14
Incident Energy (MeV)
77-Ir-196

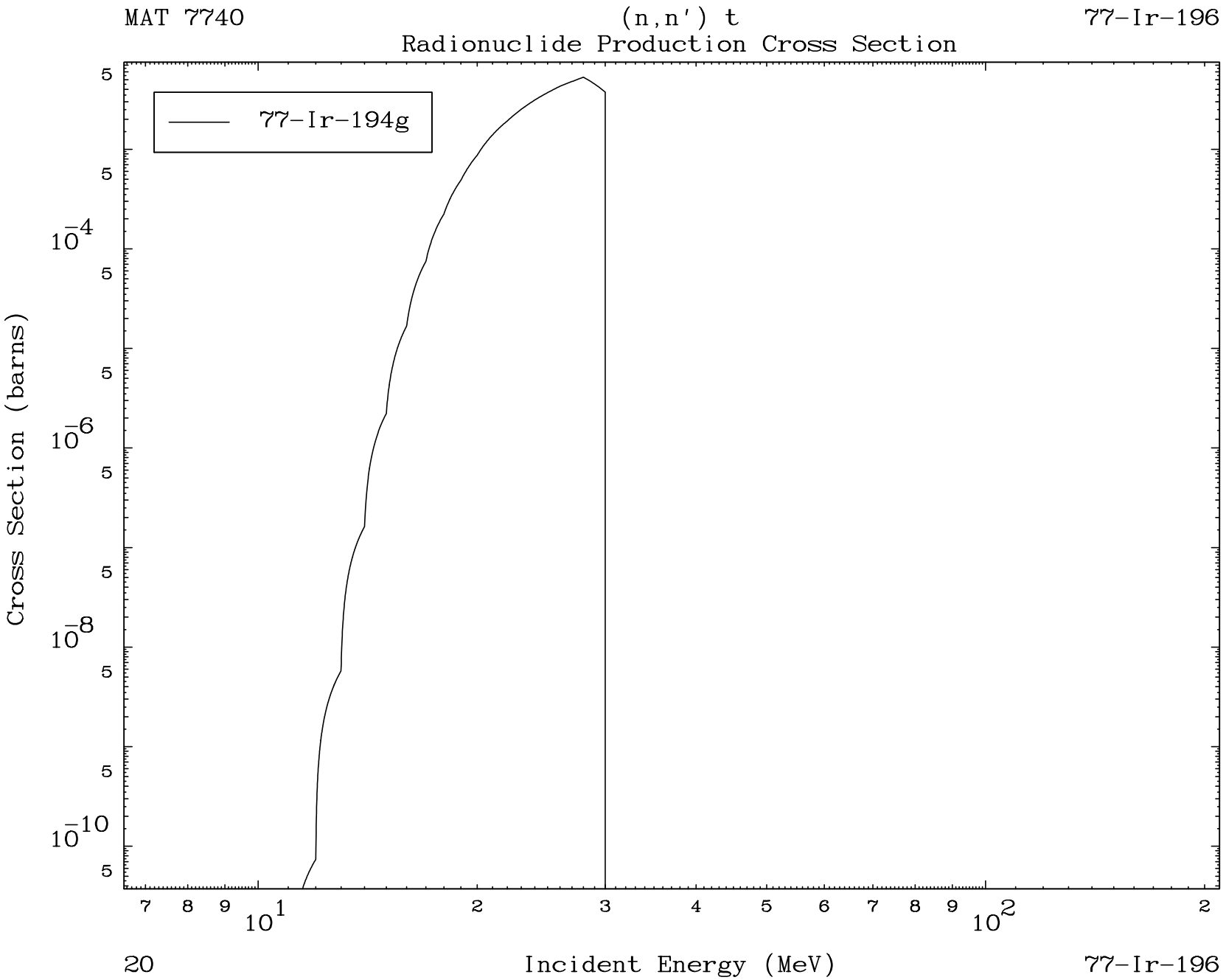

MAT 7740
Fission
77-Ir-196
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
100
2
101
102
Incident Energy (MeV)
15
77-Ir-196

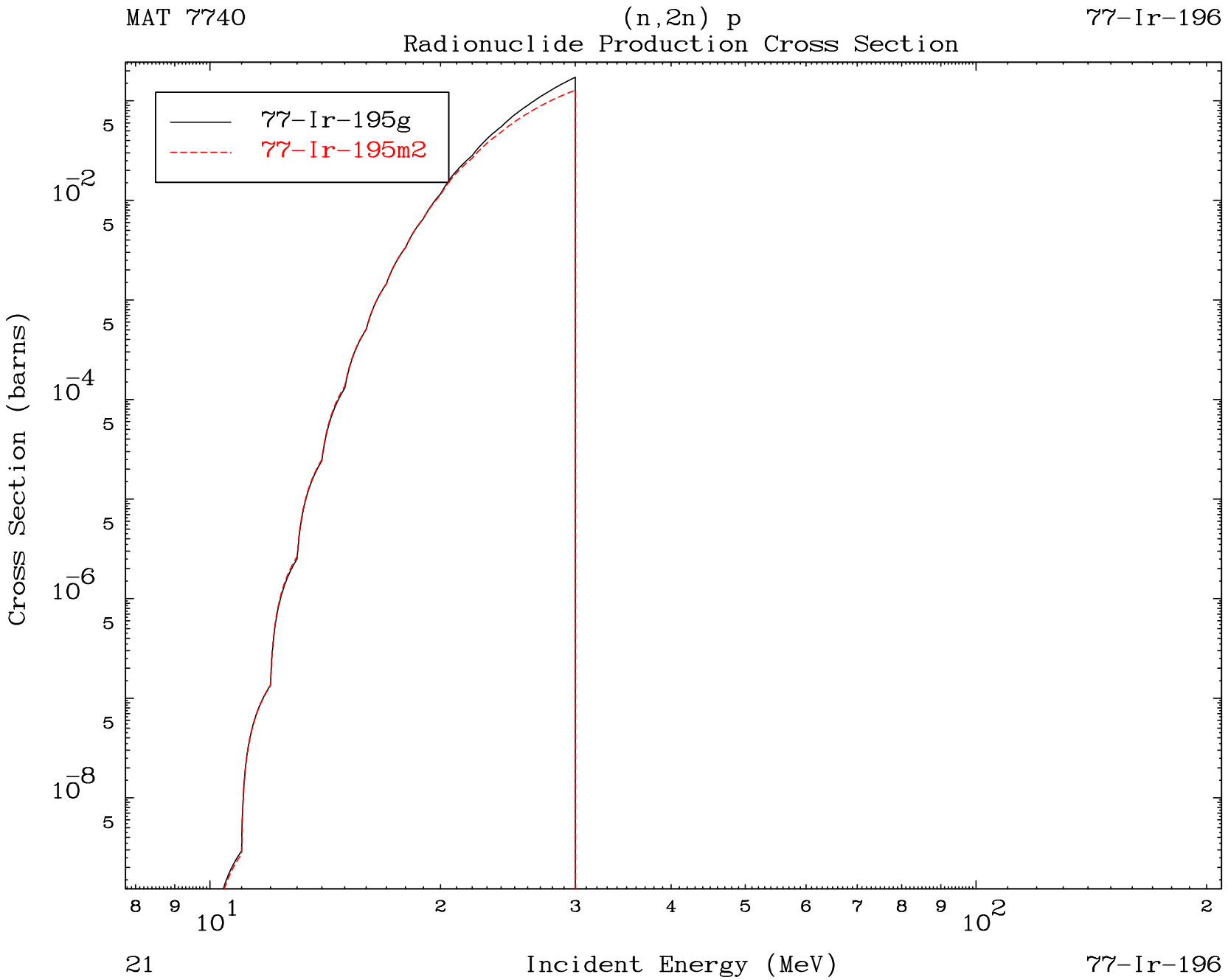

MAT 7740
(n,2n) α
77-Ir-196
Radionuclide Production Cross Section
76-0s-192g
Cross Section (barns)
Incident Energy (MeV)
16
77-Ir-196

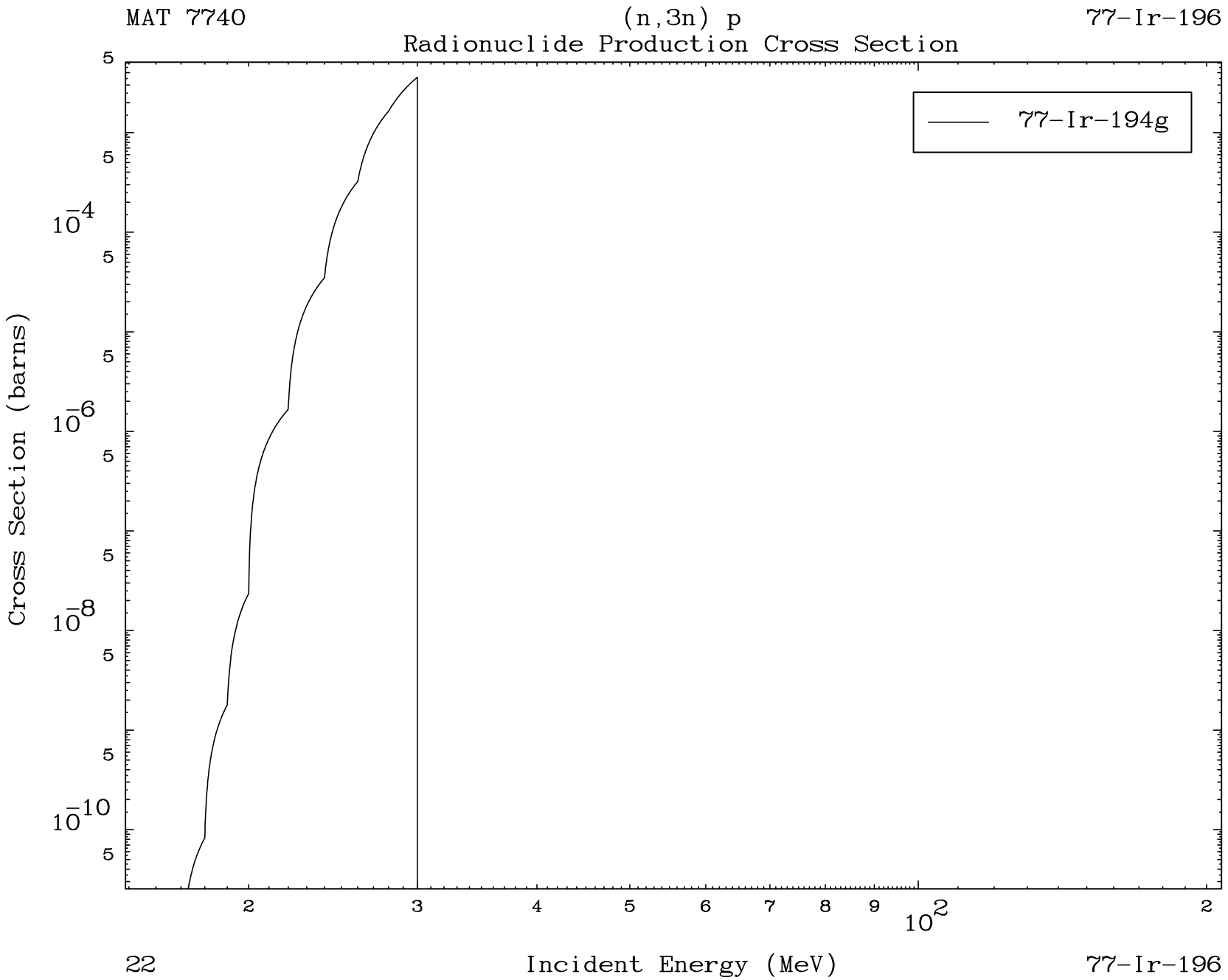

MAT 7740
(n,3n) α
77-Ir-196
Radionuclide Production Cross Section
76-Os-191g
76-Os-191m1
Cross Section (barns)
Incident Energy (MeV)
17
77-Ir-196

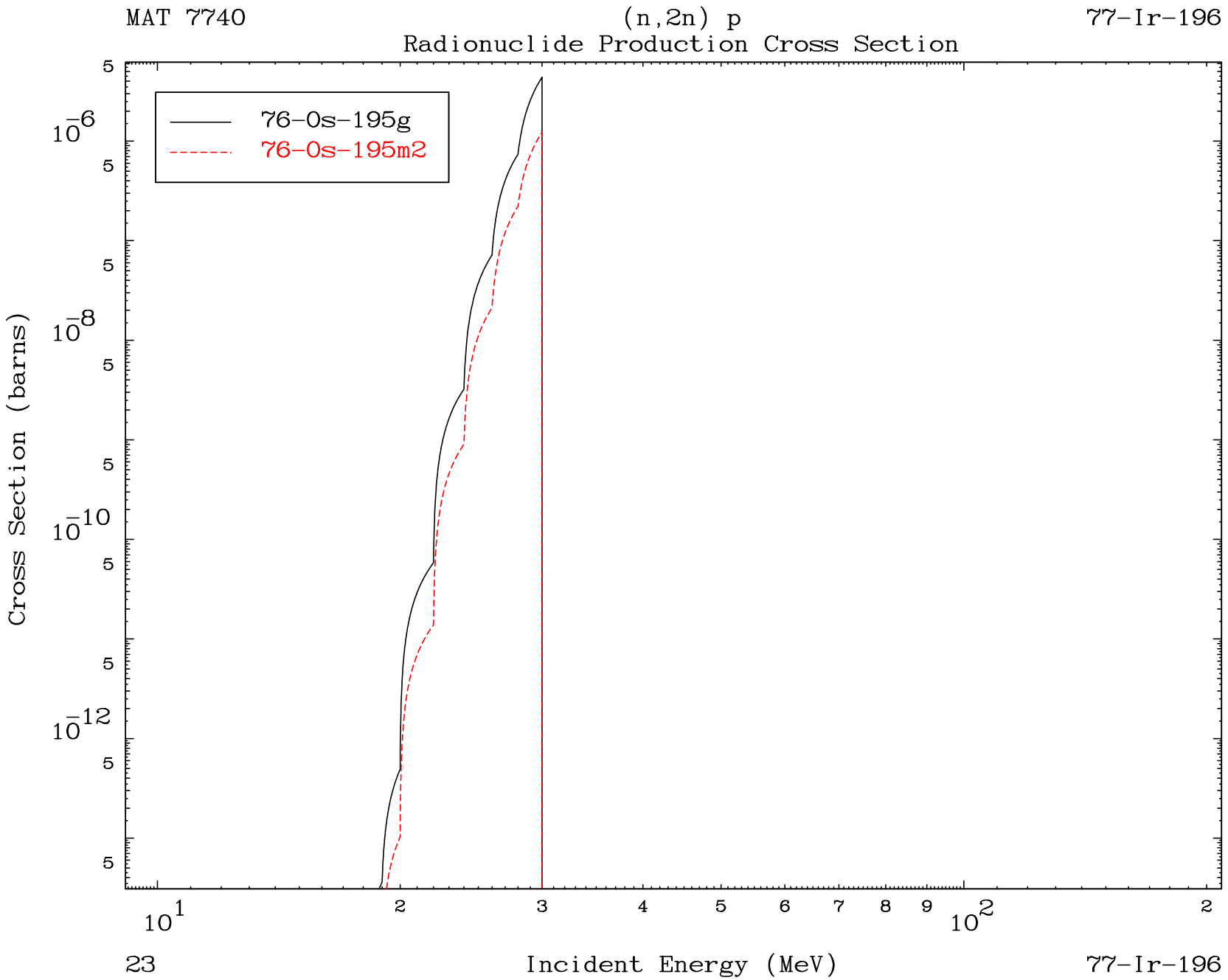

MAT 7740
(n,n') p
77-Ir-196
Radionuclide Production Cross Section
77-Ir-196g
77-Ir-196m4
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
18
Incident Energy (MeV)
77-Ir-196

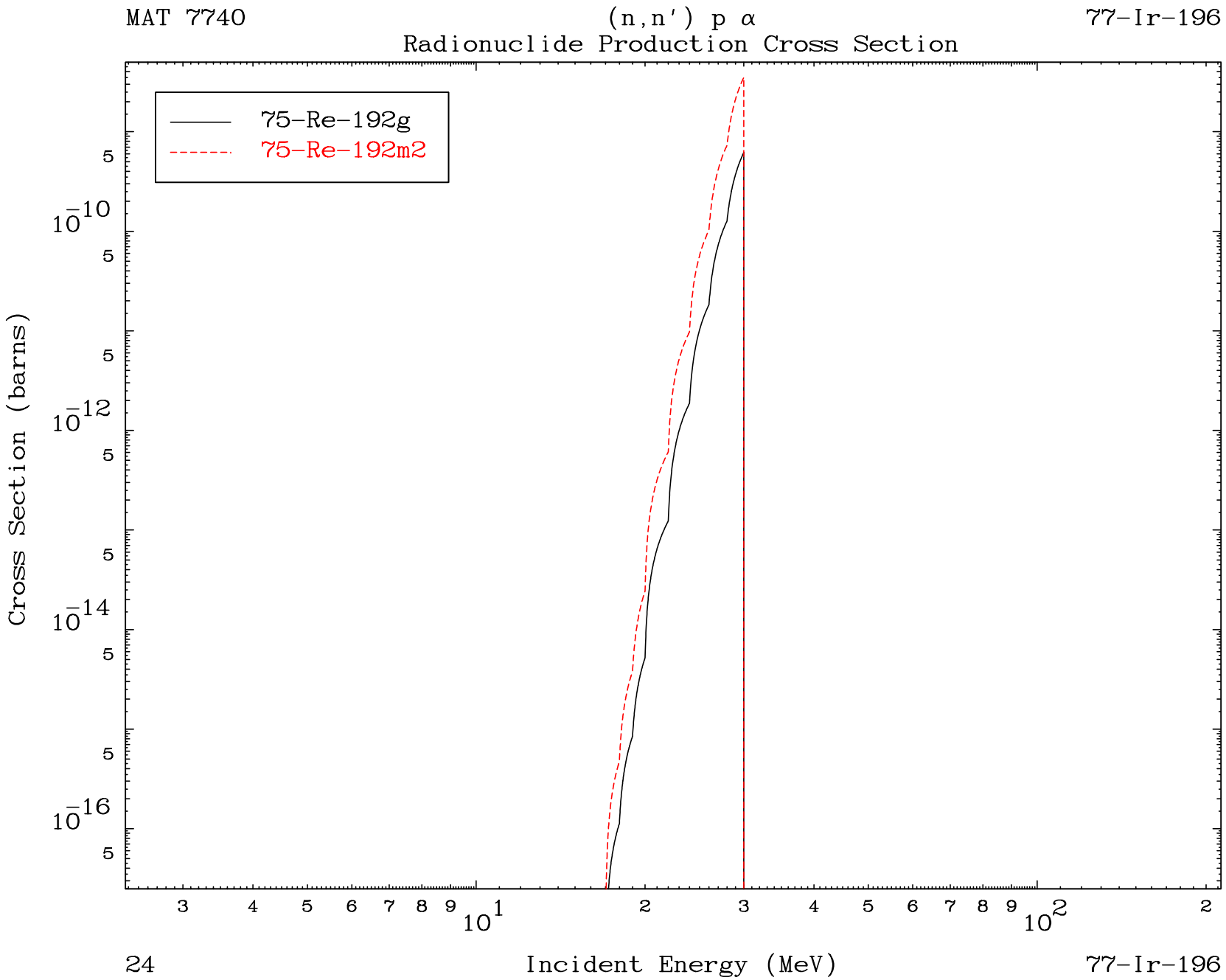

MAT 7740
(n,n') d
77-Ir-196
Radionuclide Production Cross Section
77-Ir-195g
77-Ir-195m2
Cross Section (barns)
Incident Energy (MeV)
19
77-Ir-196

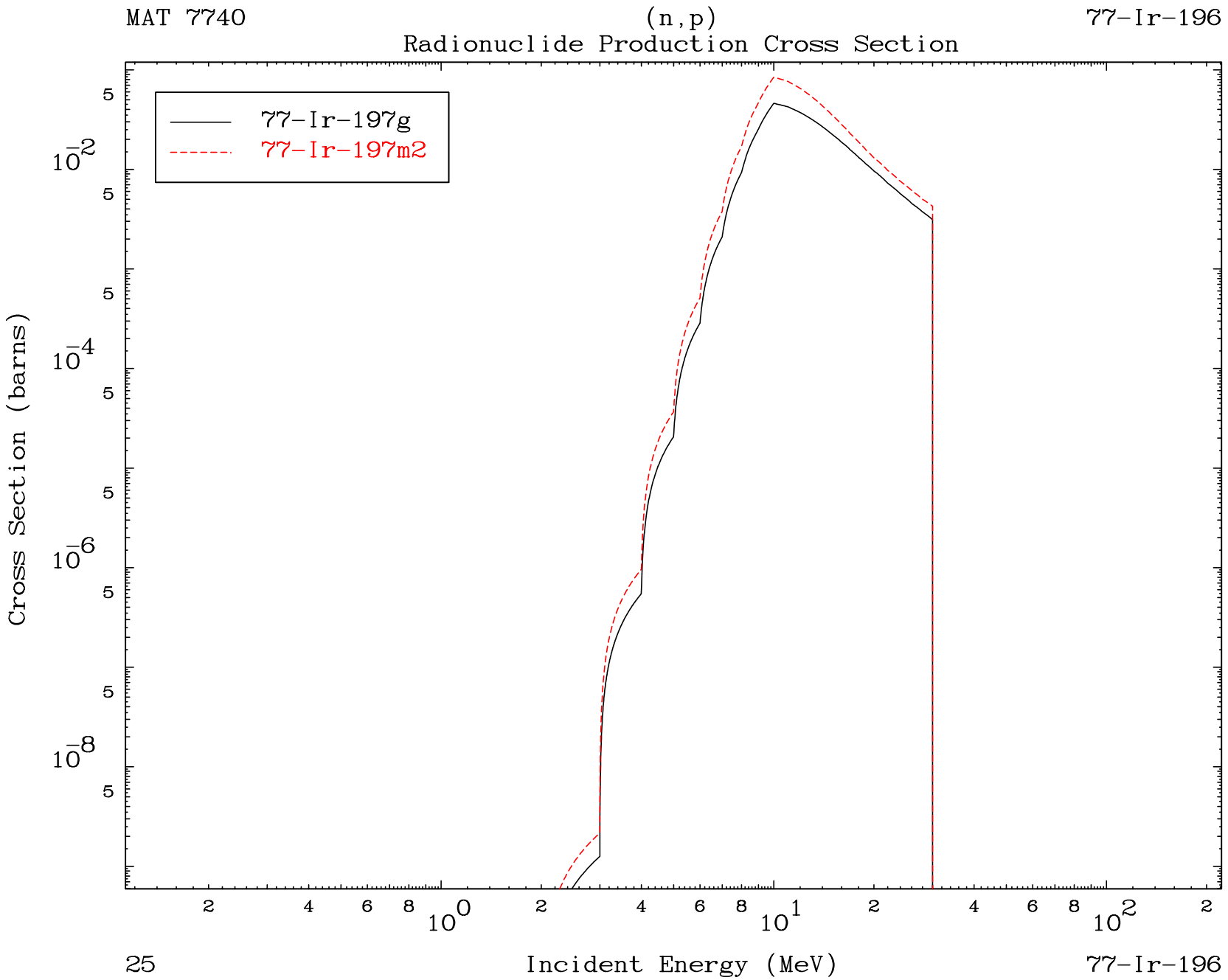

MAT 7740
(n,n') t
77-Ir-196
Radionuclide Production Cross Section
77-Ir-194g
Cross Section (barns)
Incident Energy (MeV)
20
77-Ir-196

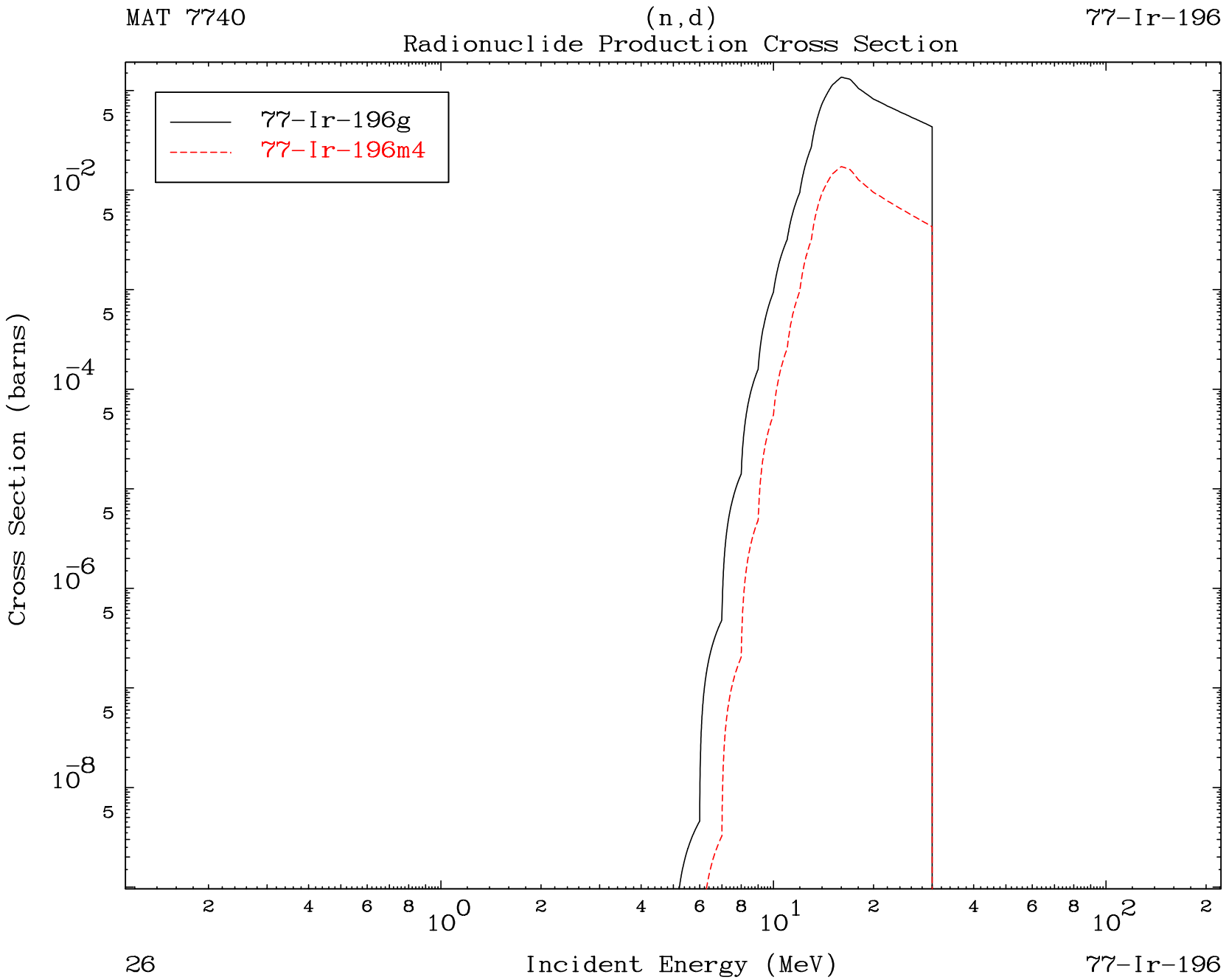

MAT 7740
(n,2n) p
77-Ir-196
Radionuclide Production Cross Section
77-Ir-195g
77-Ir-195m2
Cross Section (barns)
Incident Energy (MeV)
21
77-Ir-196

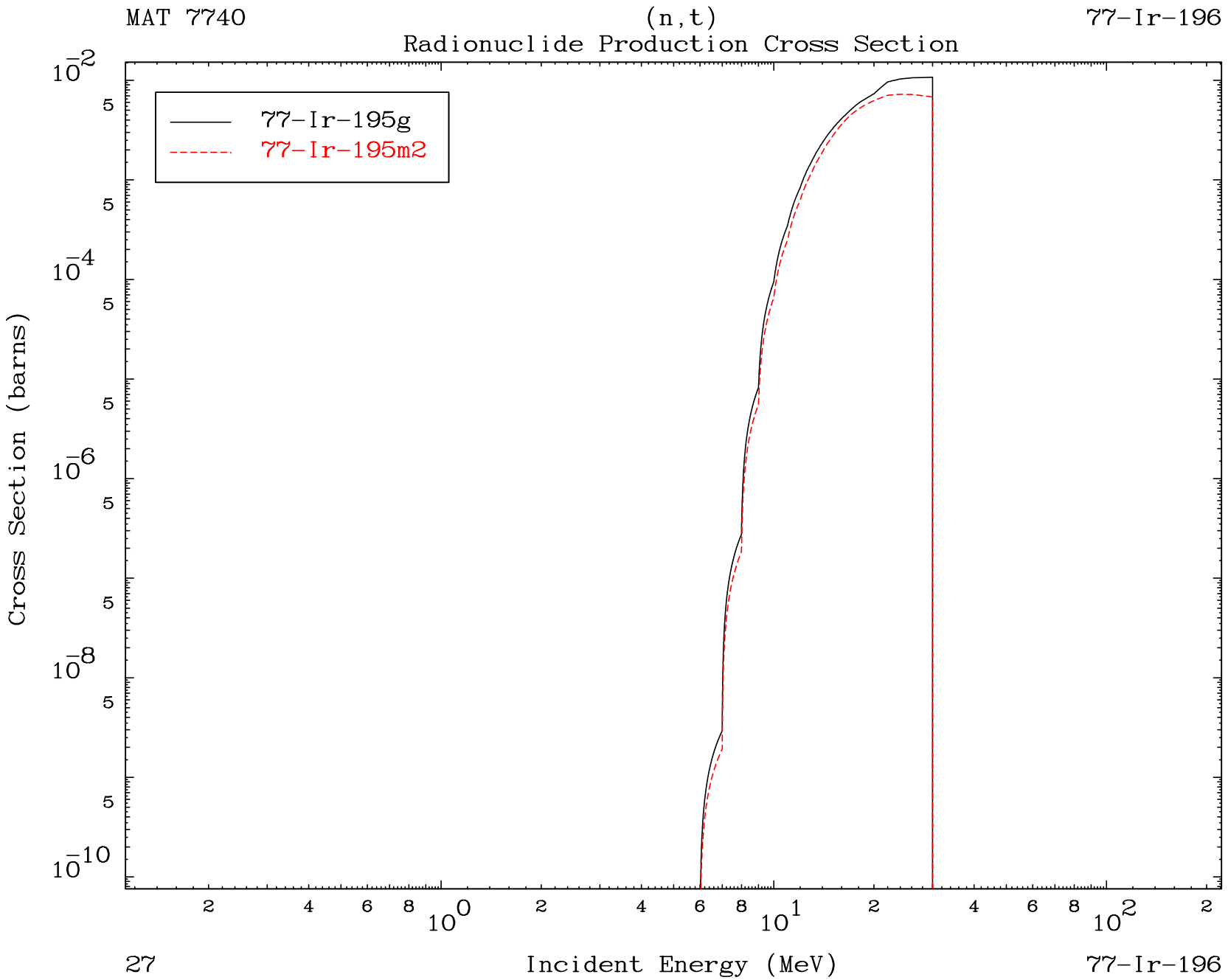

MAT 7740
(n,3n) p
77-Ir-196
Radionuclide Production Cross Section
77-Ir-194g
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
77-Ir-196

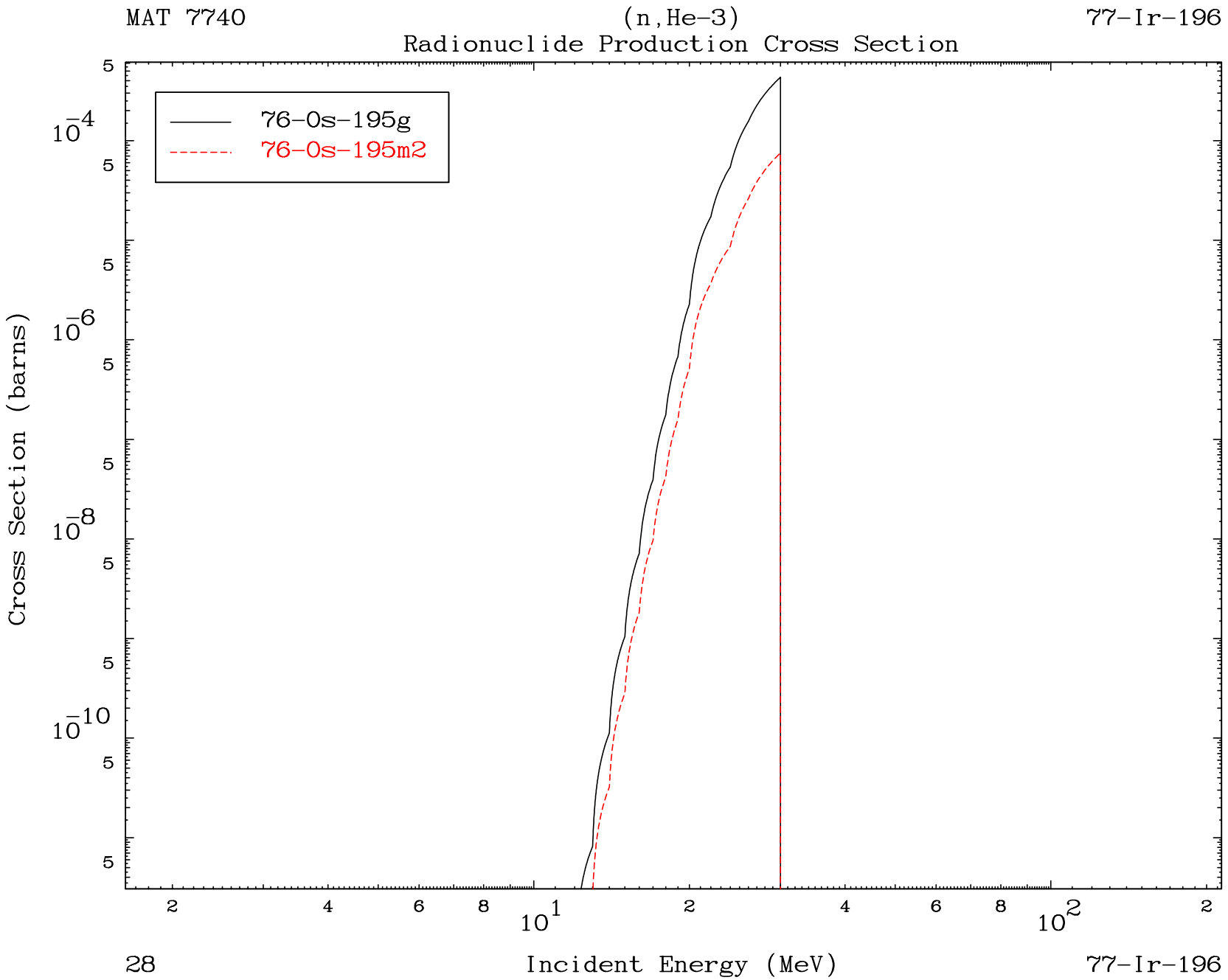

MAT 7740
(n,2n) p
77-Ir-196
Radionuclide Production Cross Section
76-Os-195g
76-Os-195m2
Cross Section (barns)
Incident Energy (MeV)
23
77-Ir-196

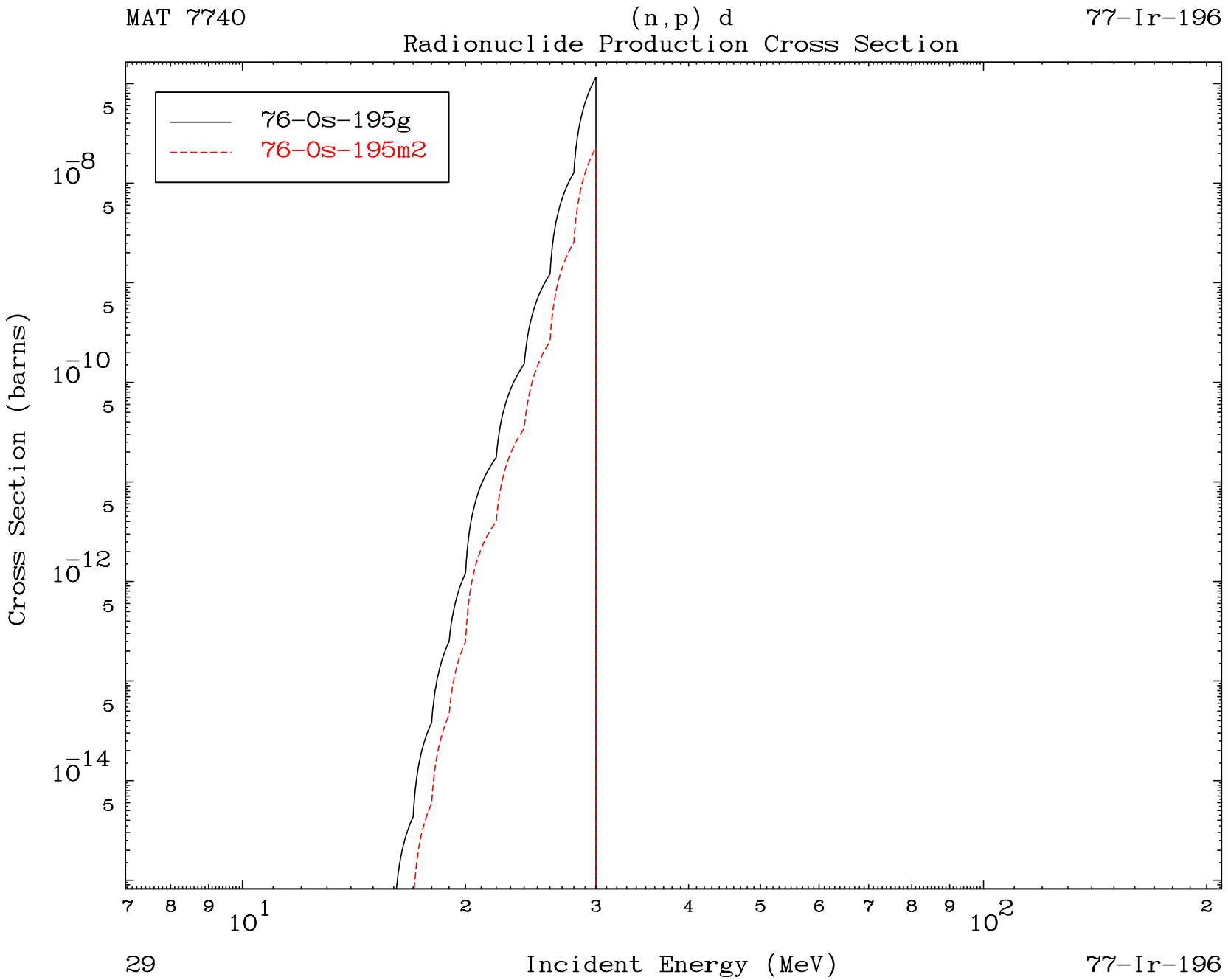

MAT 7740
(n,n') p α
77-Ir-196
Radionuclide Production Cross Section
75-Re-192g
75-Re-192m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
24
Incident Energy (MeV)
77-Ir-196

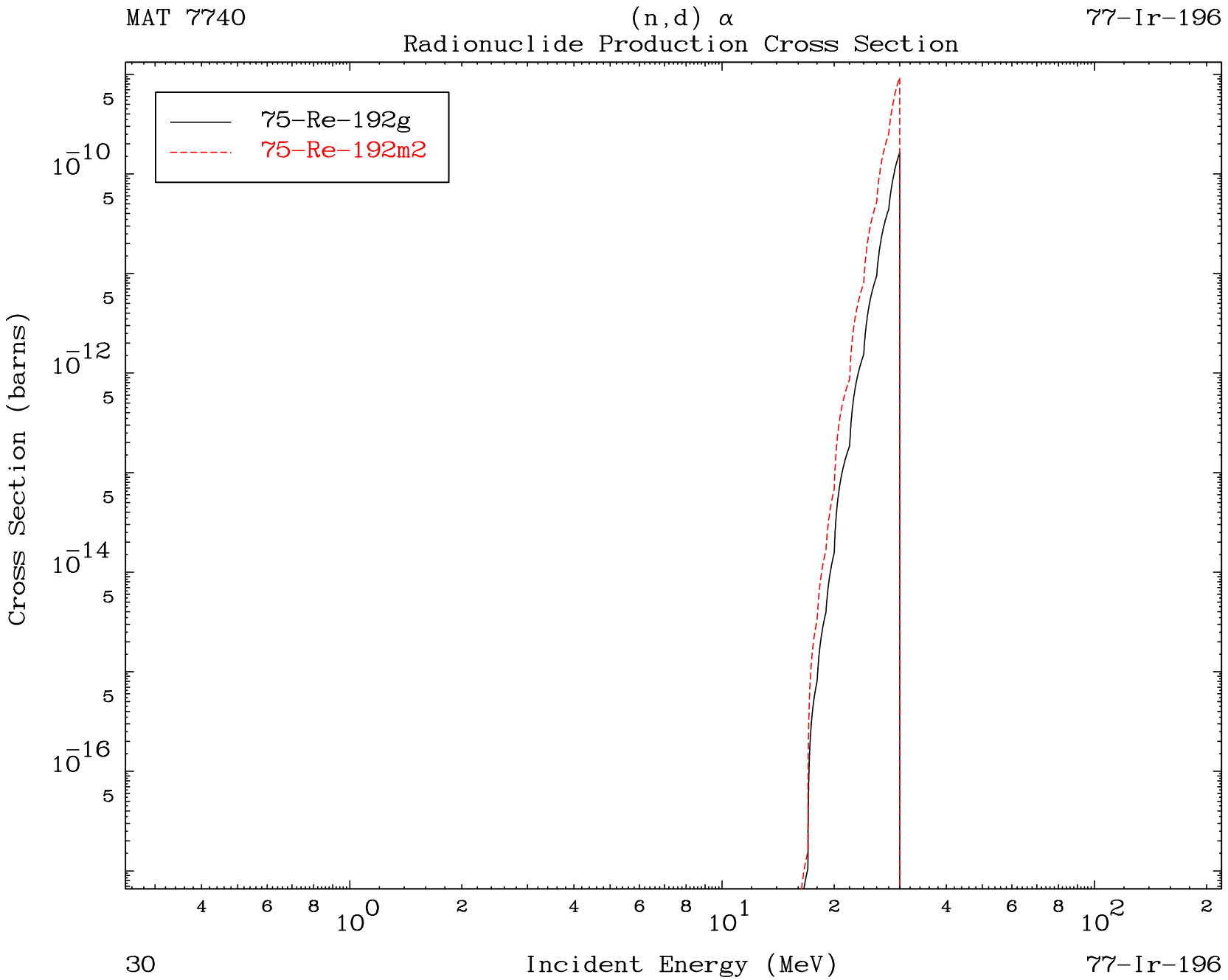

MAT 7740
(n,p)
77-Ir-196
Radionuclide Production Cross Section
77-Ir-197g
77-Ir-197m2
Cross Section (barns)
Incident Energy (MeV)
25
77-Ir-196


MAT 7740
(n,d)
77-Ir-196
Radionuclide Production Cross Section
77-Ir-196g
77-Ir-196m4
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
26
77-Ir-196


MAT 7740
(n,t)
77-Ir-196
Radionuclide Production Cross Section
77-Ir-195g
77-Ir-195m2
Cross Section (barns)
Incident Energy (MeV)
27
77-Ir-196


MAT 7740
(n,He-3)
77-Ir-196
Radionuclide Production Cross Section
76-0s-195g
76-0s-195m2
Cross Section (barns)
Incident Energy (MeV)
28
77-Ir-196


MAT 7740
(n,p) d
77-Ir-196
Radionuclide Production Cross Section
76-Os-195g
76-Os-195m2
Cross Section (barns)
Incident Energy (MeV)
29
77-Ir-196


MAT 7740
(n,d) α
77-Ir-196
Radionuclide Production Cross Section
75-Re-192g
75-Re-192m2
Cross Section (barns)
Incident Energy (MeV)
30
77-Ir-196