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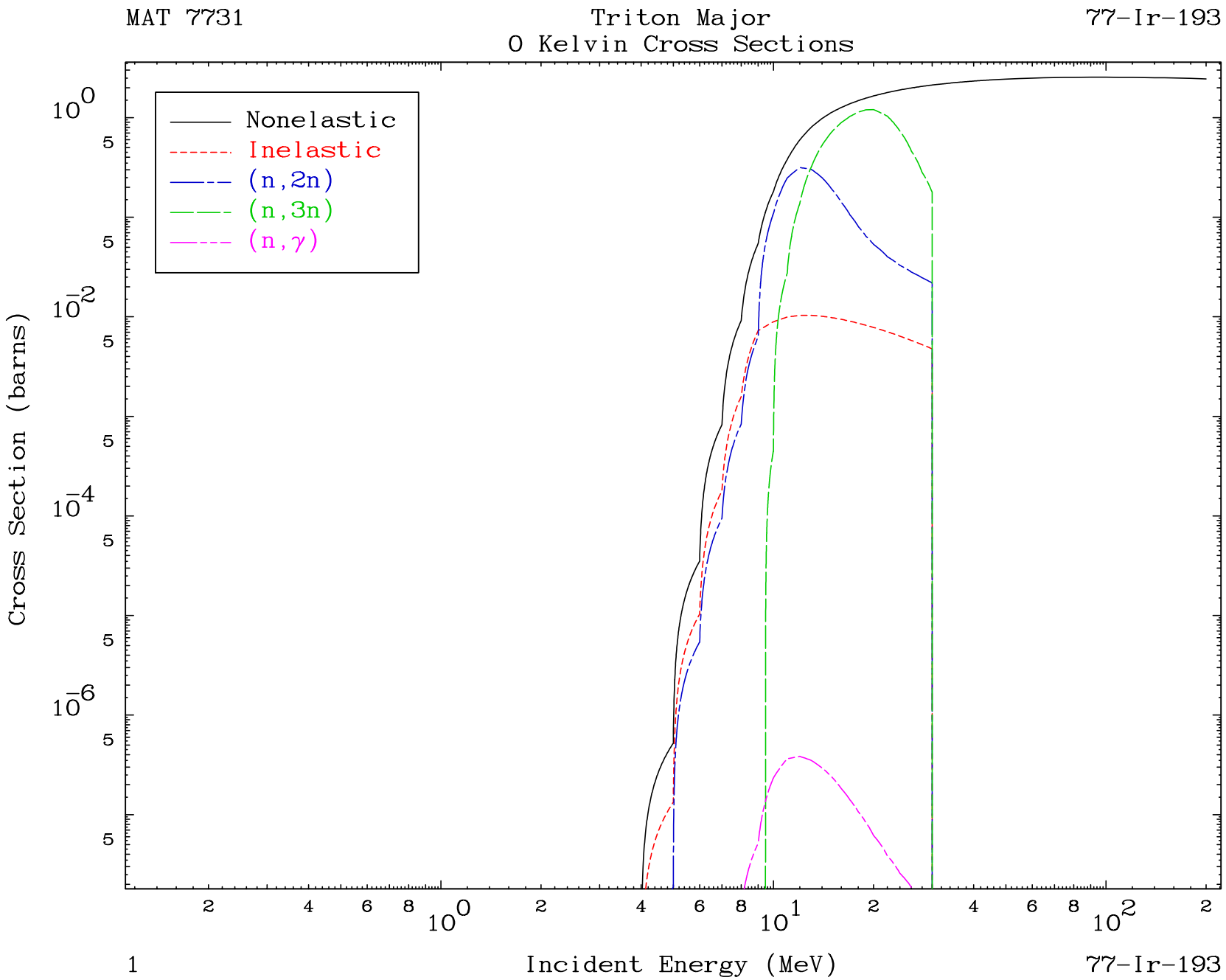
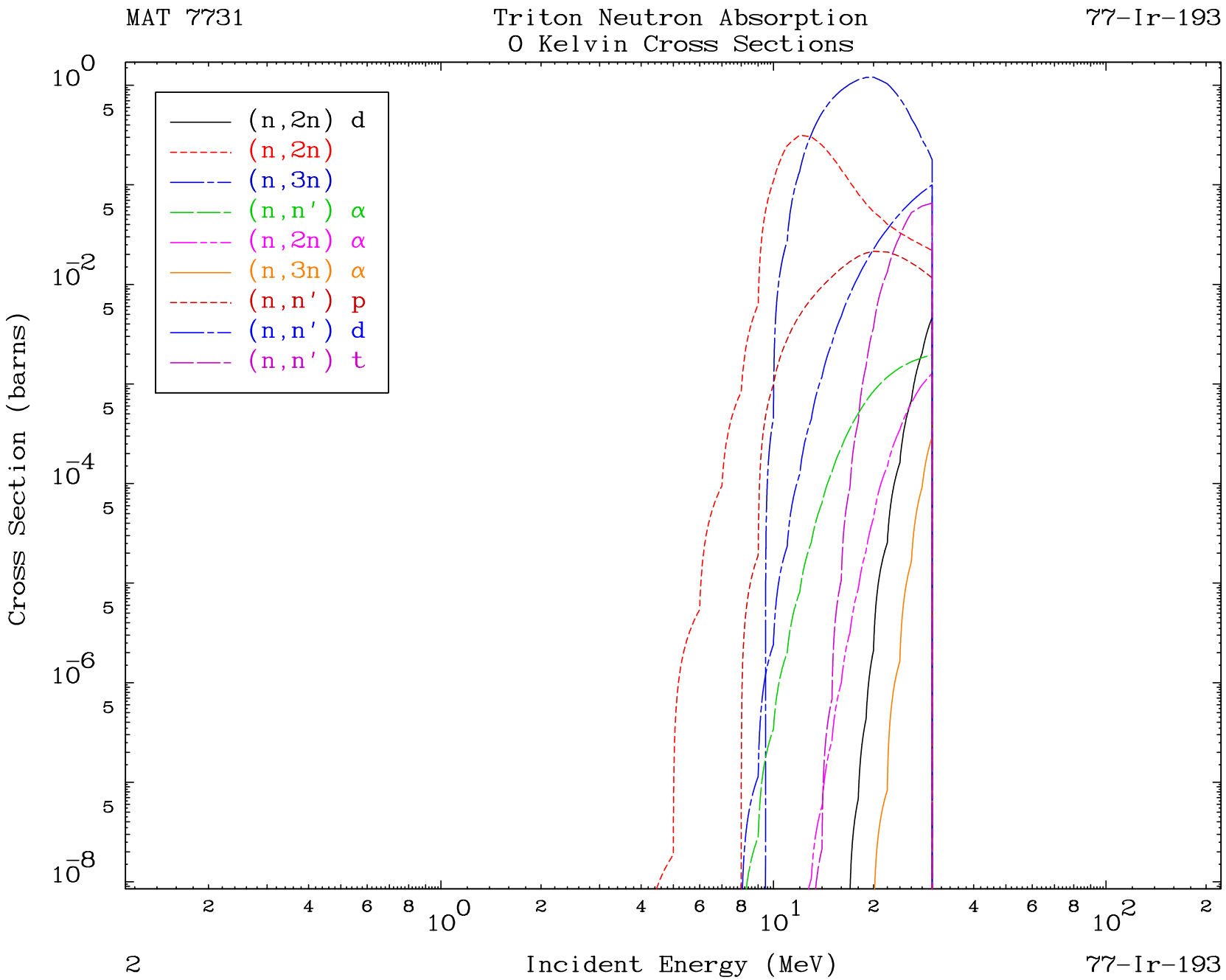
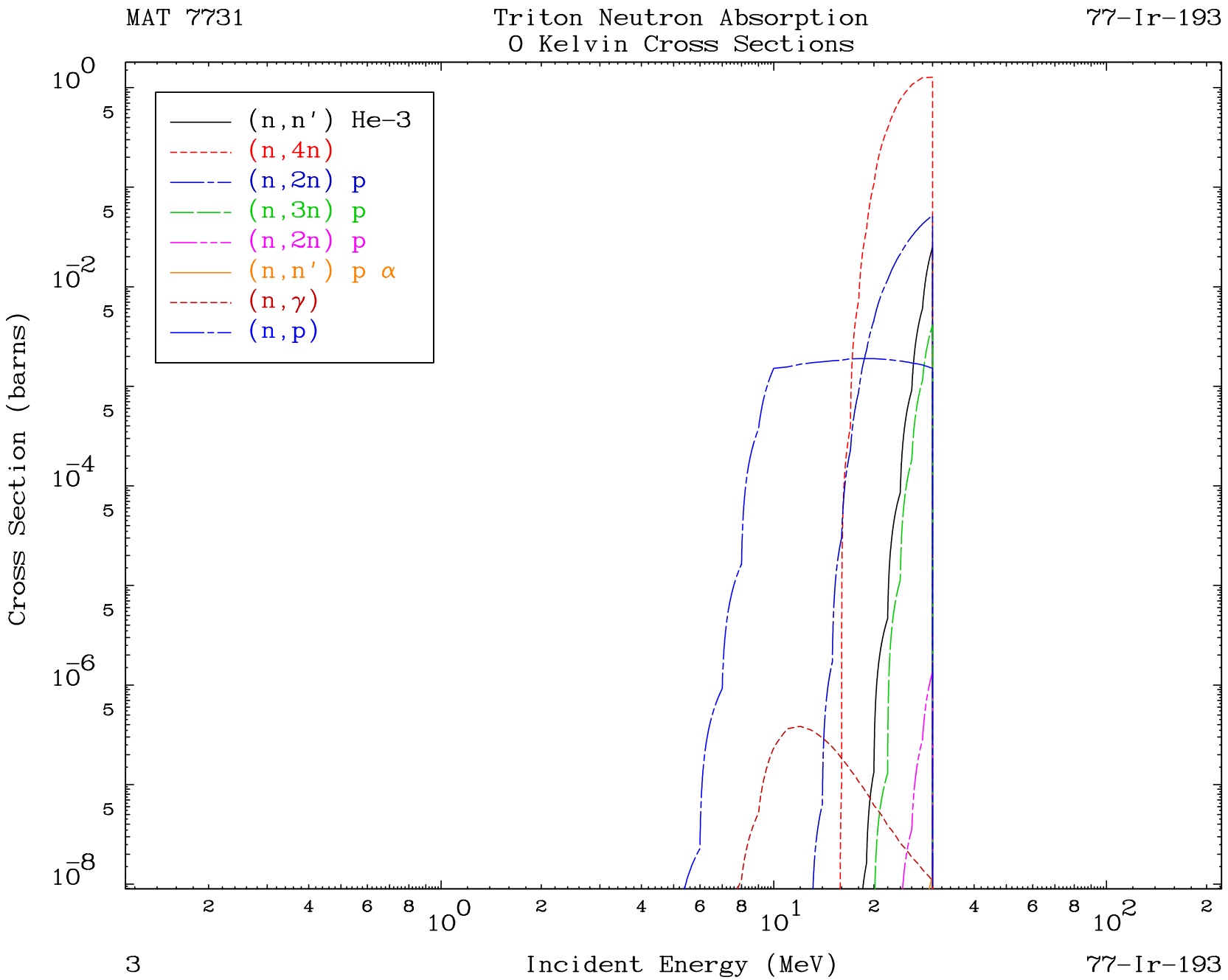
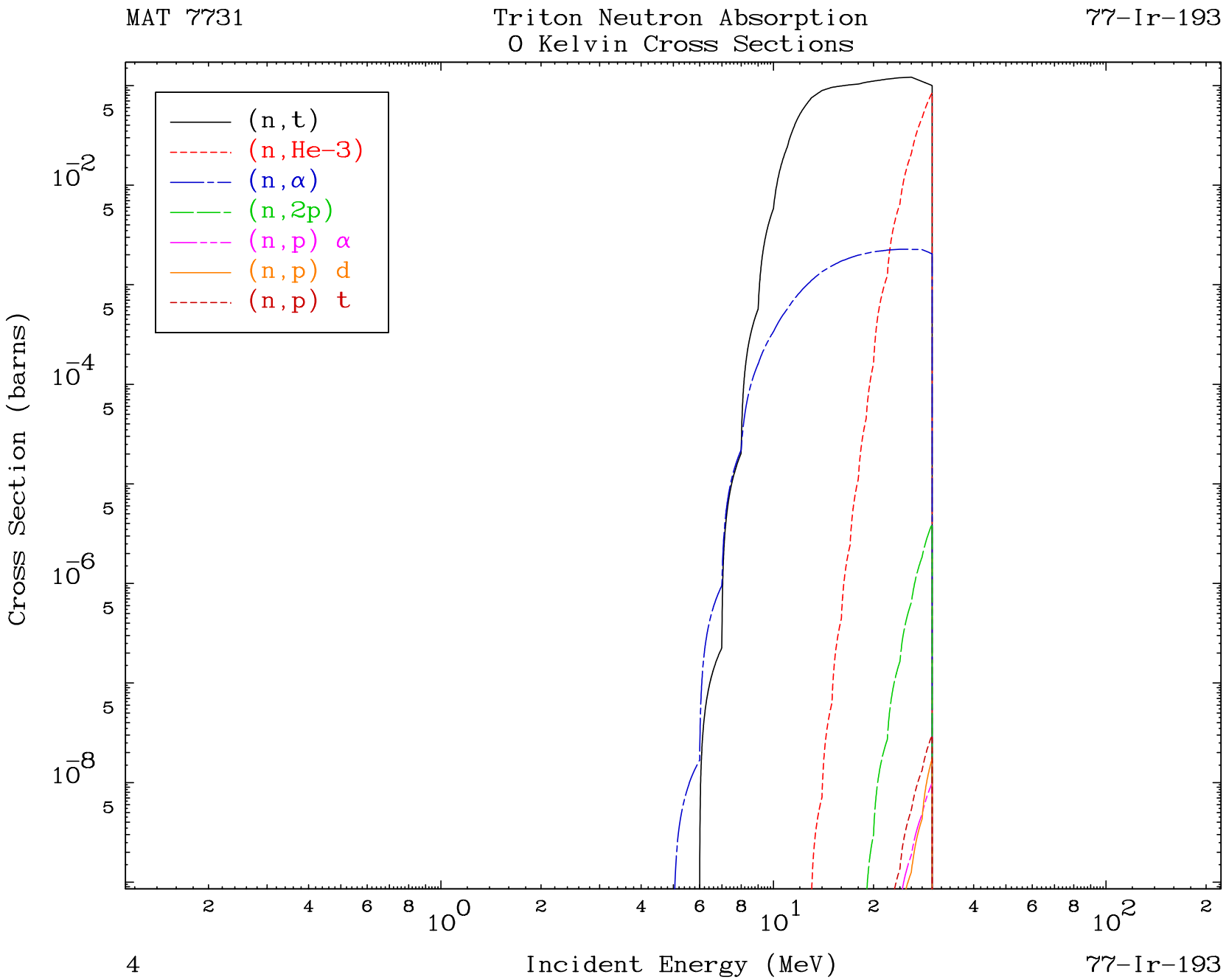
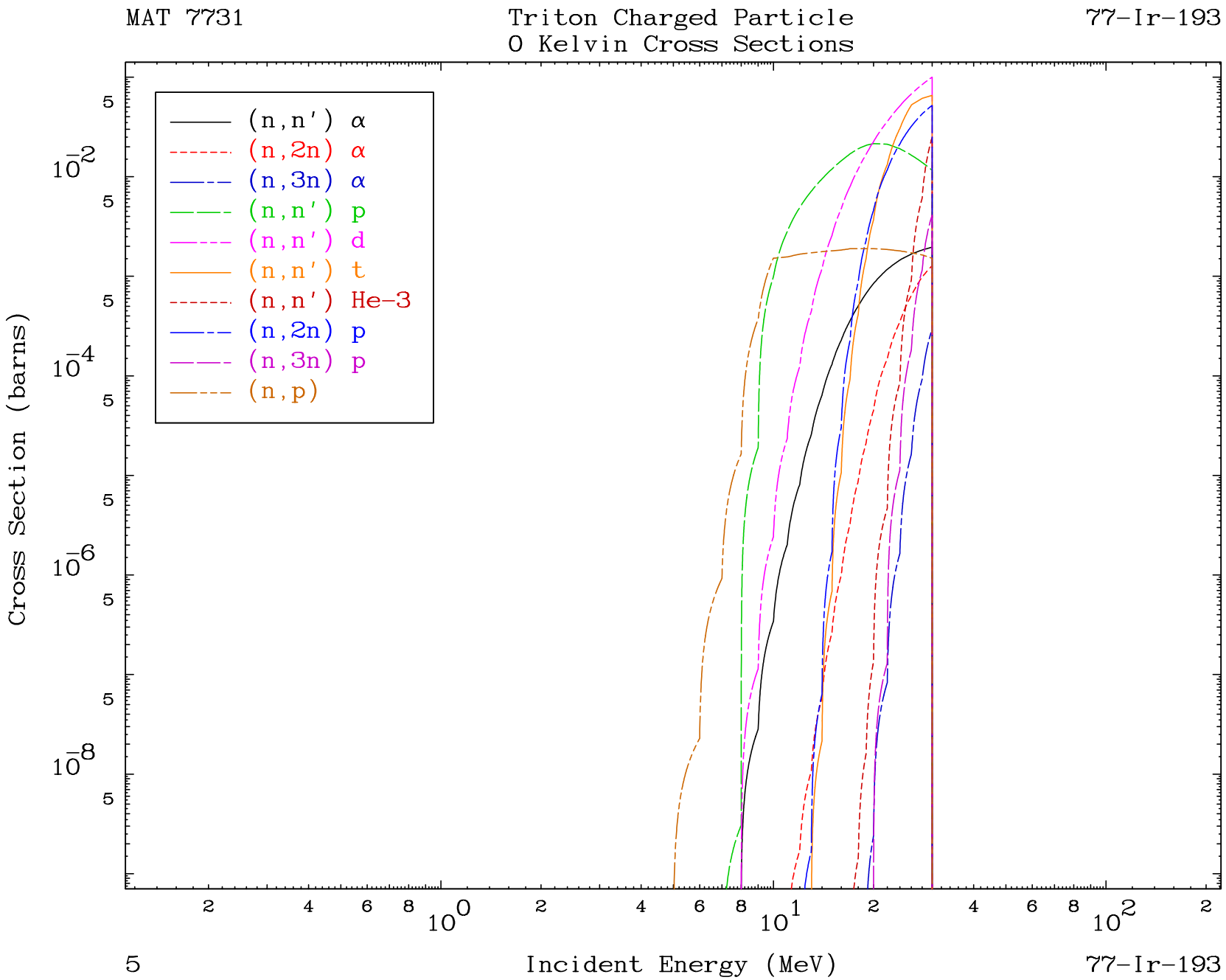
Press Mouse Button to Start

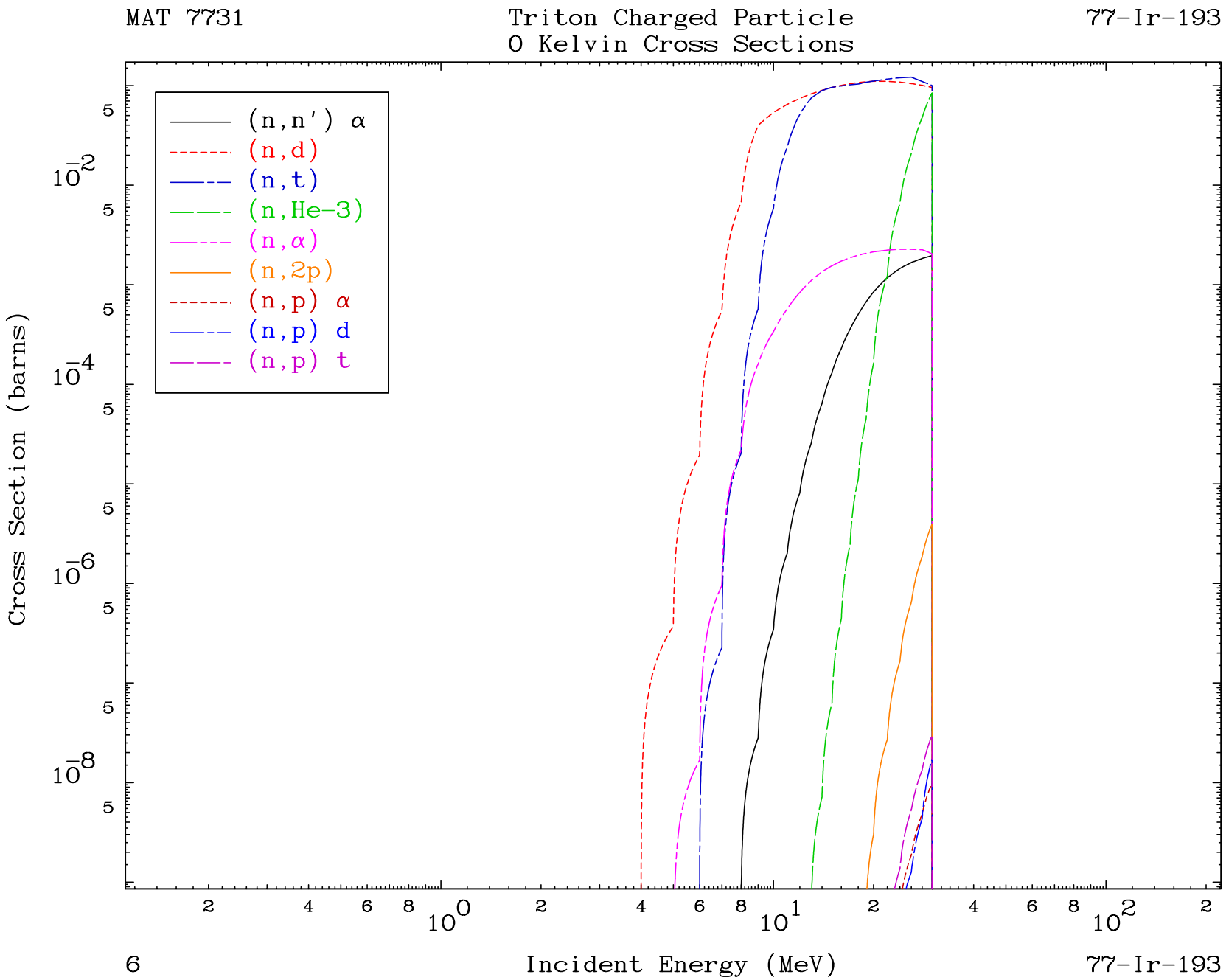

MAT 7731
Triton Major
77-Ir-193
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-193
1

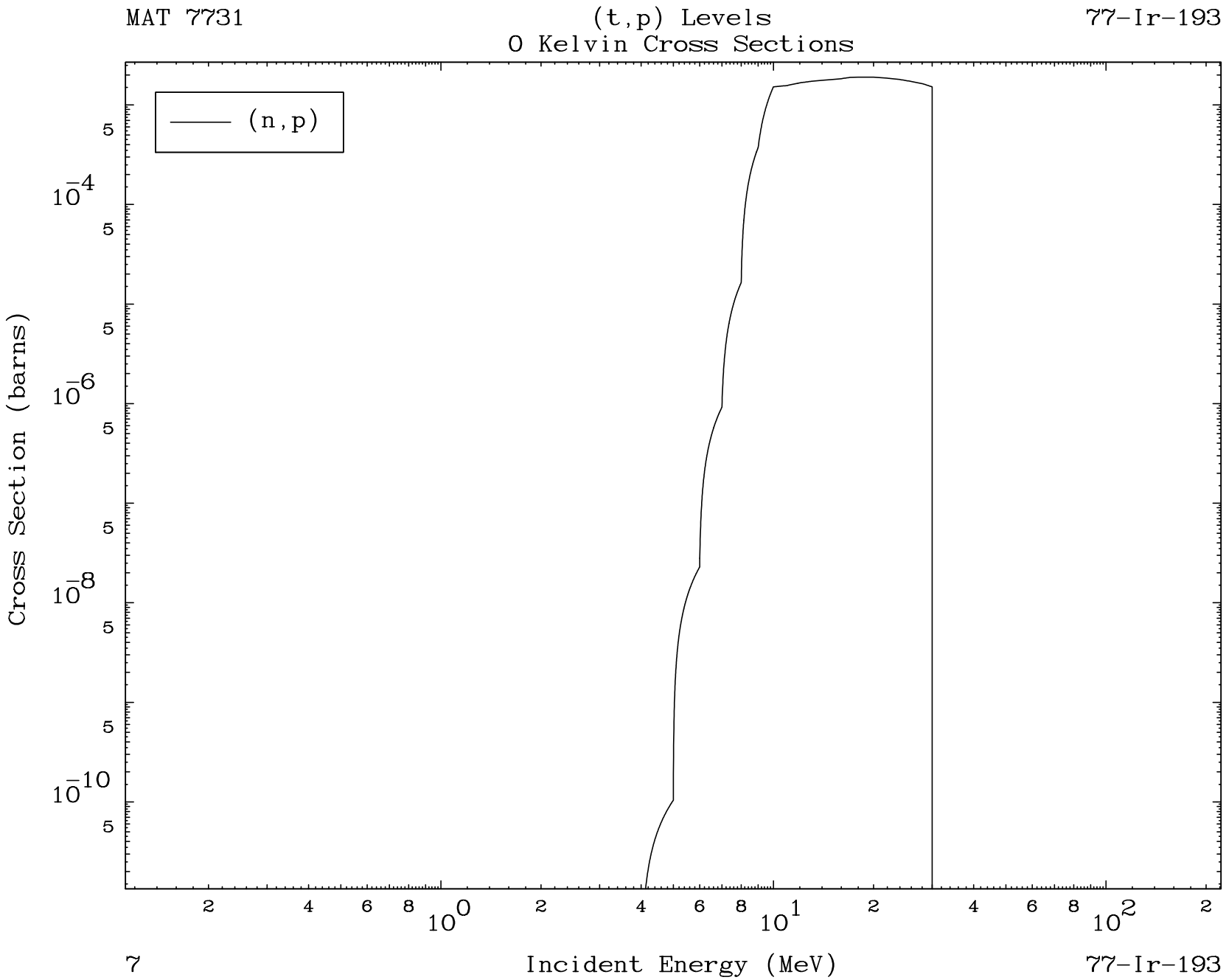

MAT 7731
Triton Neutron Absorption
0 Kelvin Cross Sections
77-Ir-193
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
77-Ir-193
2

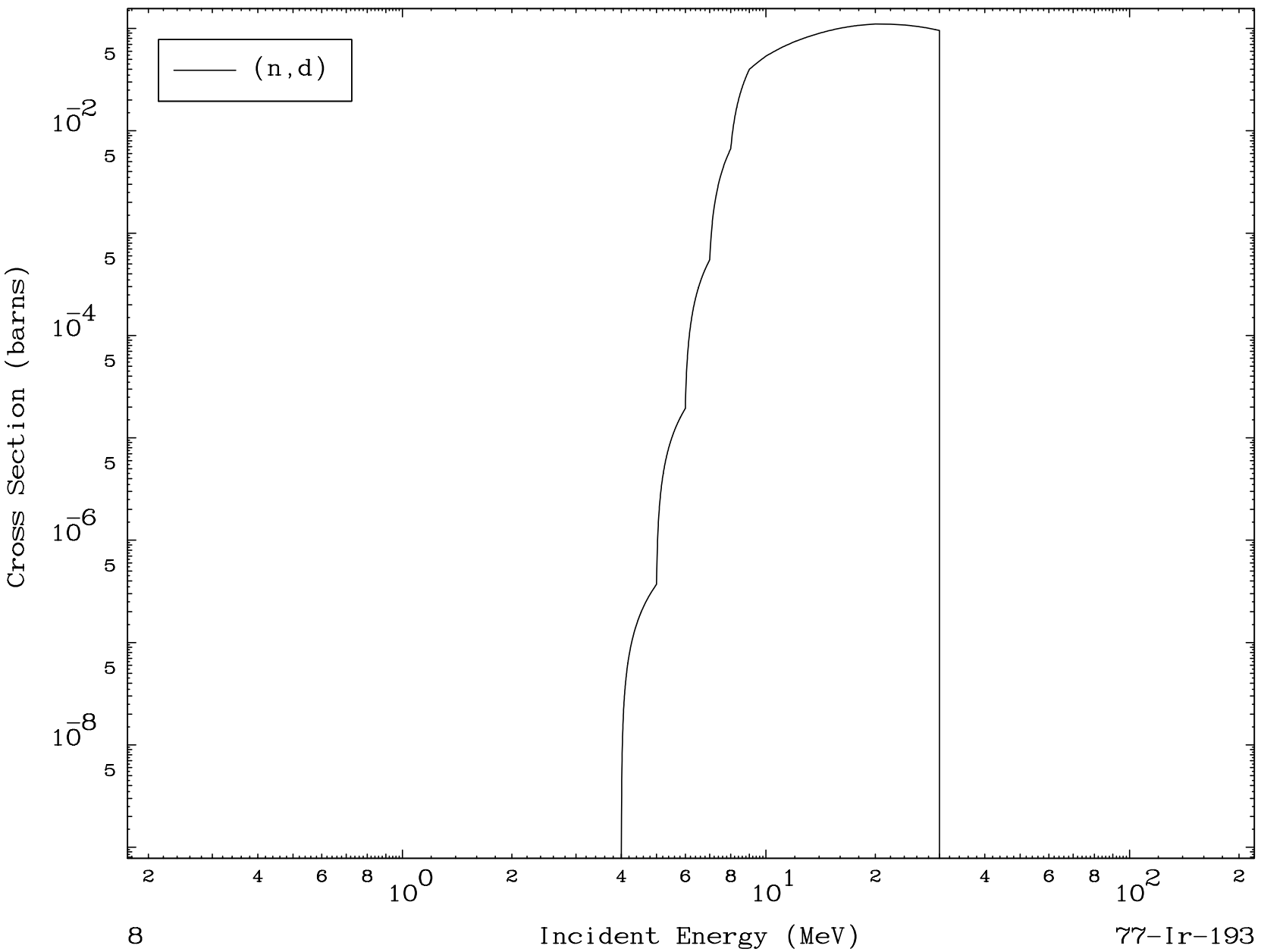

MAT 7731
Triton Neutron Absorption
0 Kelvin Cross Sections
77-Ir-193
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
3
77-Ir-193

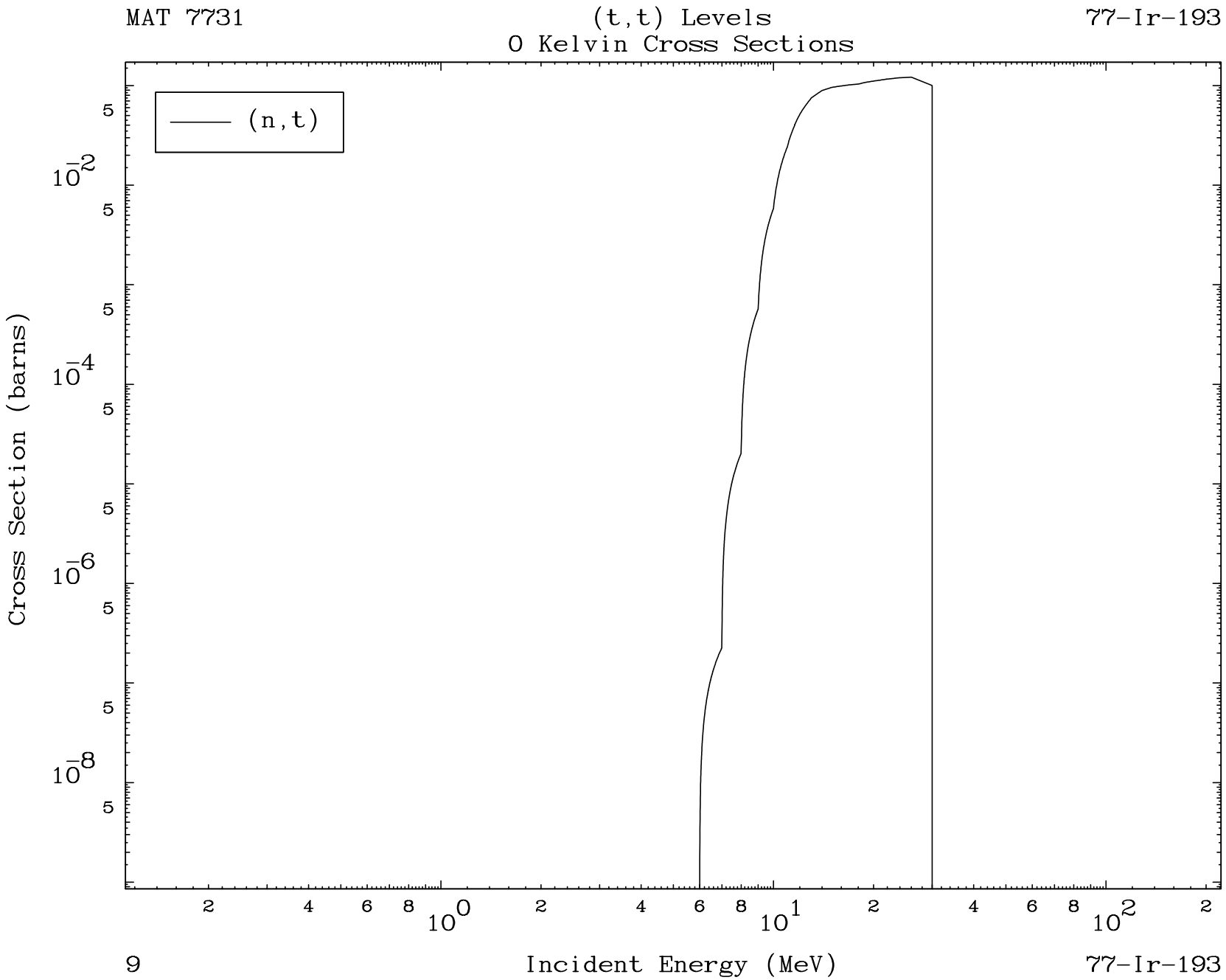

MAT 7731
Triton Neutron Absorption
0 Kelvin Cross Sections
77-Ir-193
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
4
77-Ir-193

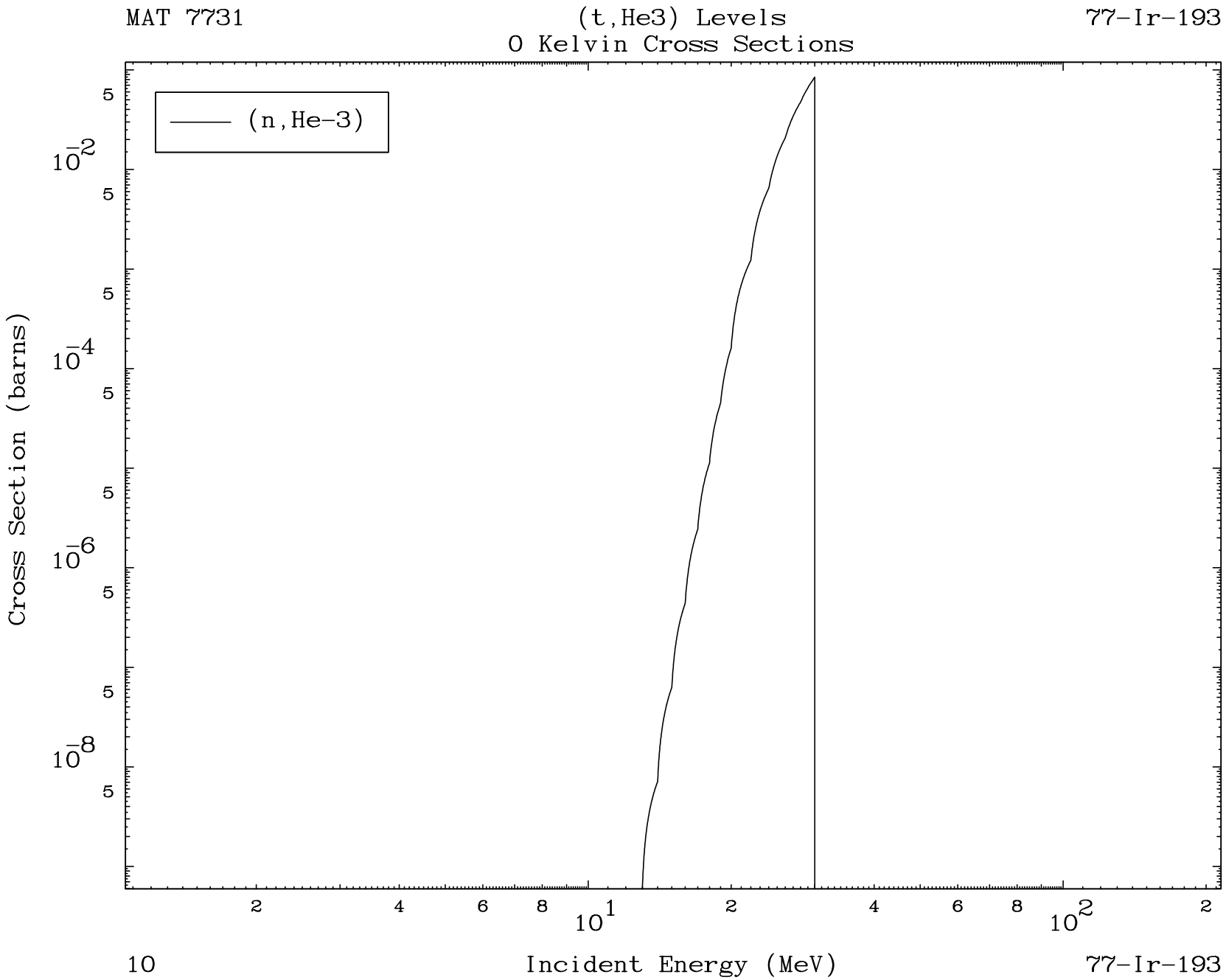

MAT 7731
Triton Charged Particle
0 Kelvin Cross Sections
77-Ir-193
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
77-Ir-193

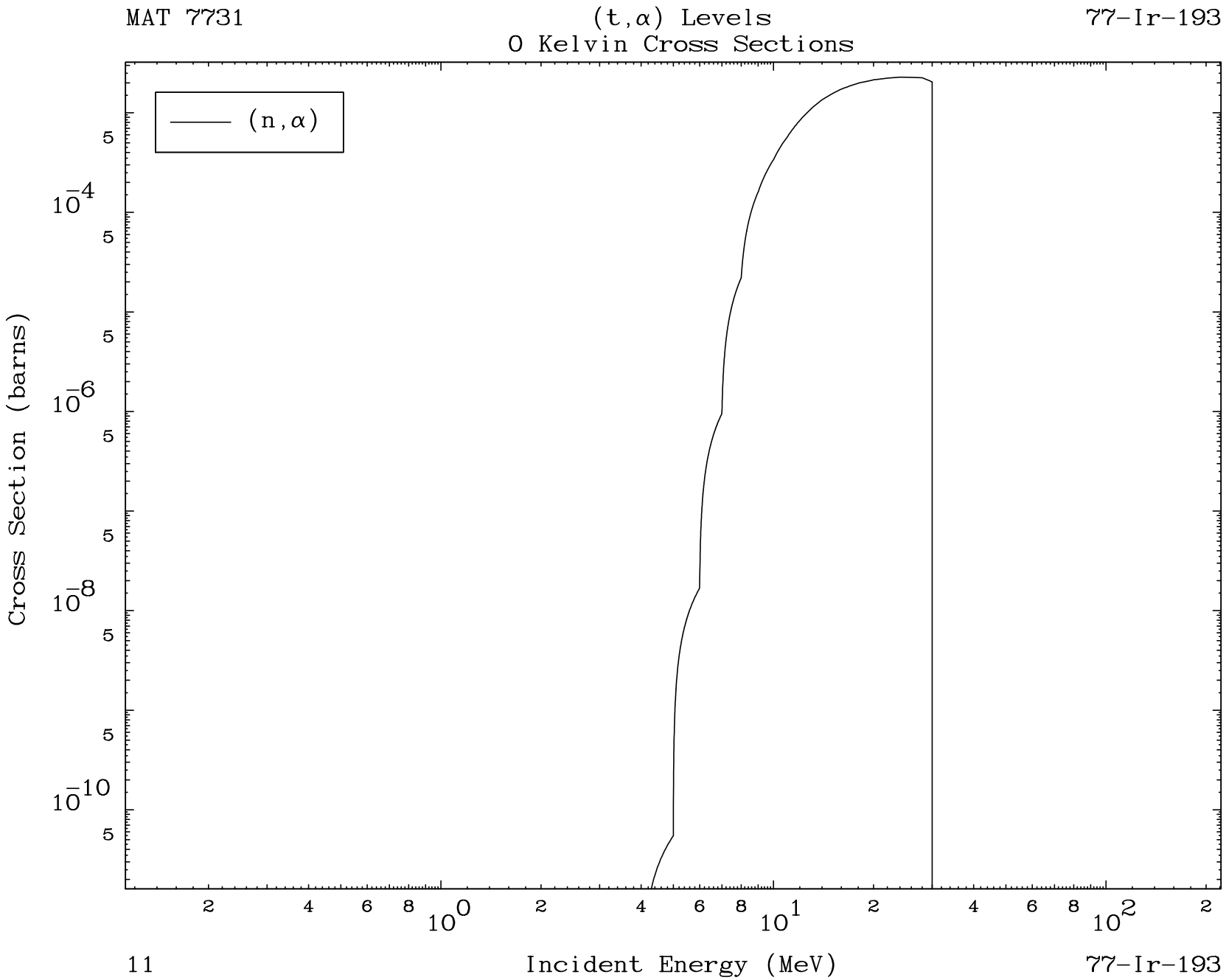

MAT 7731
Triton Charged Particle
0 Kelvin Cross Sections
77-Ir-193
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
6
77-Ir-193

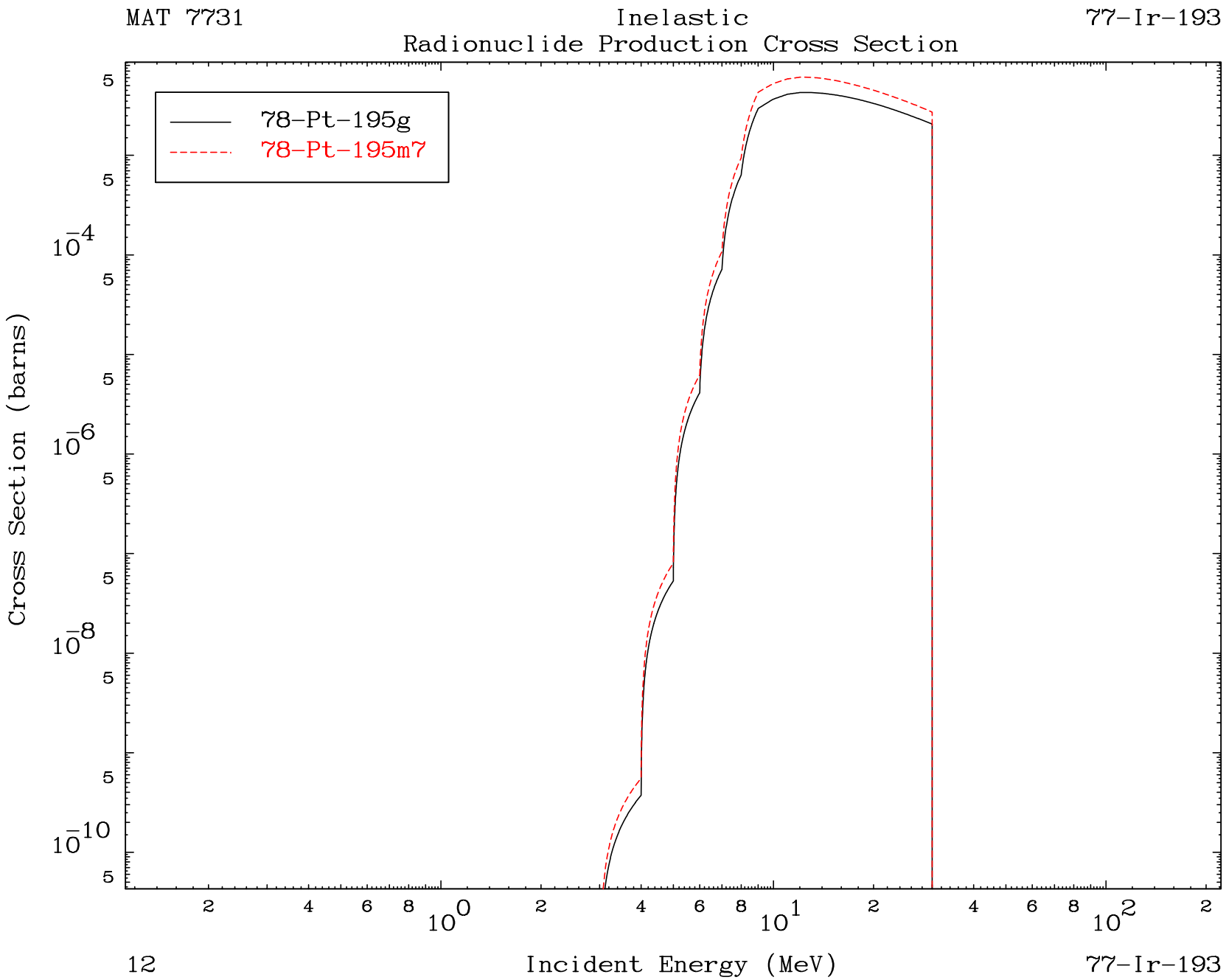

MAT 7731
(t,p) Levels
77-Ir-193
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
7
77-Ir-193

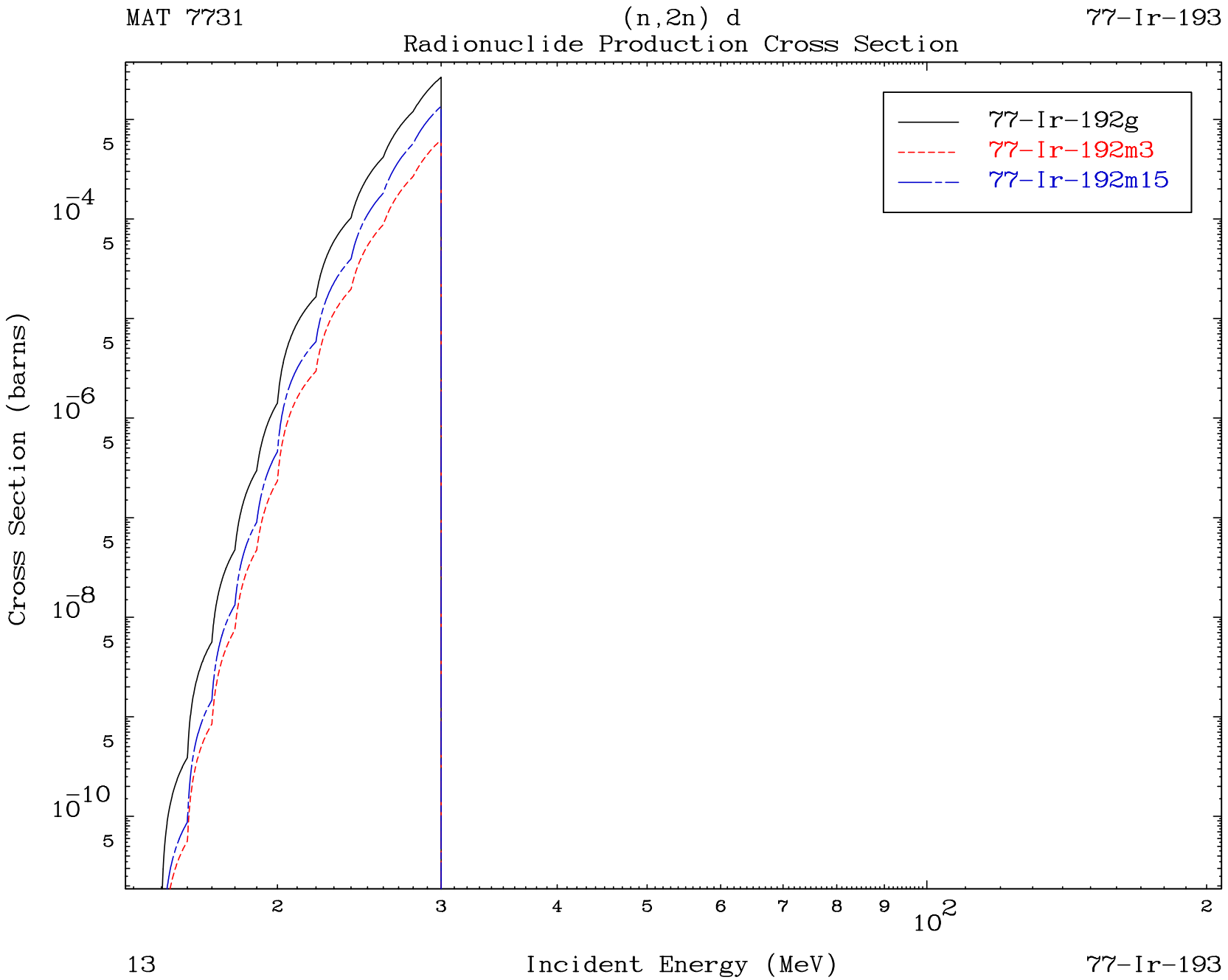

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)

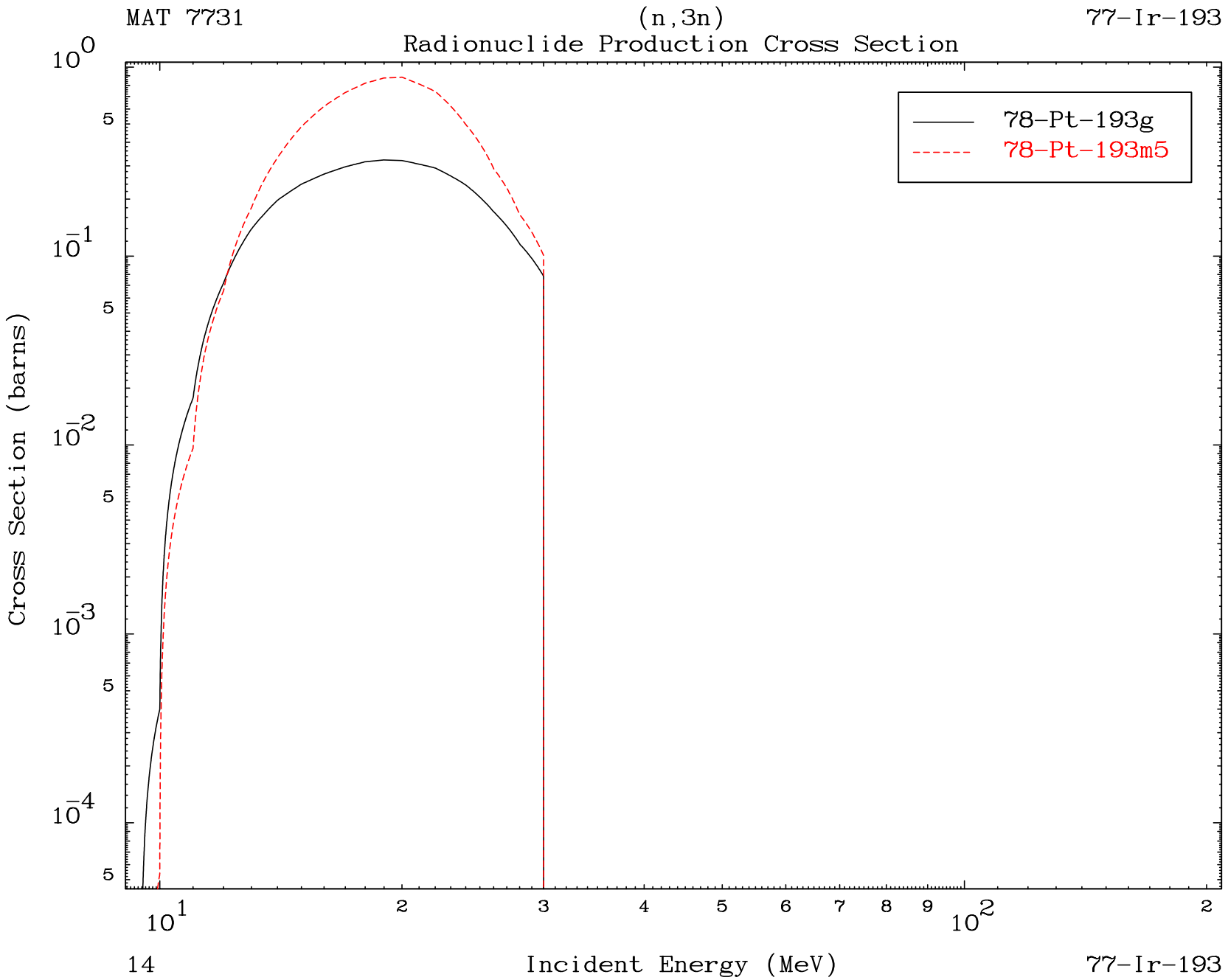

MAT 7731
(t,t) Levels
77-Ir-193
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
77-Ir-193

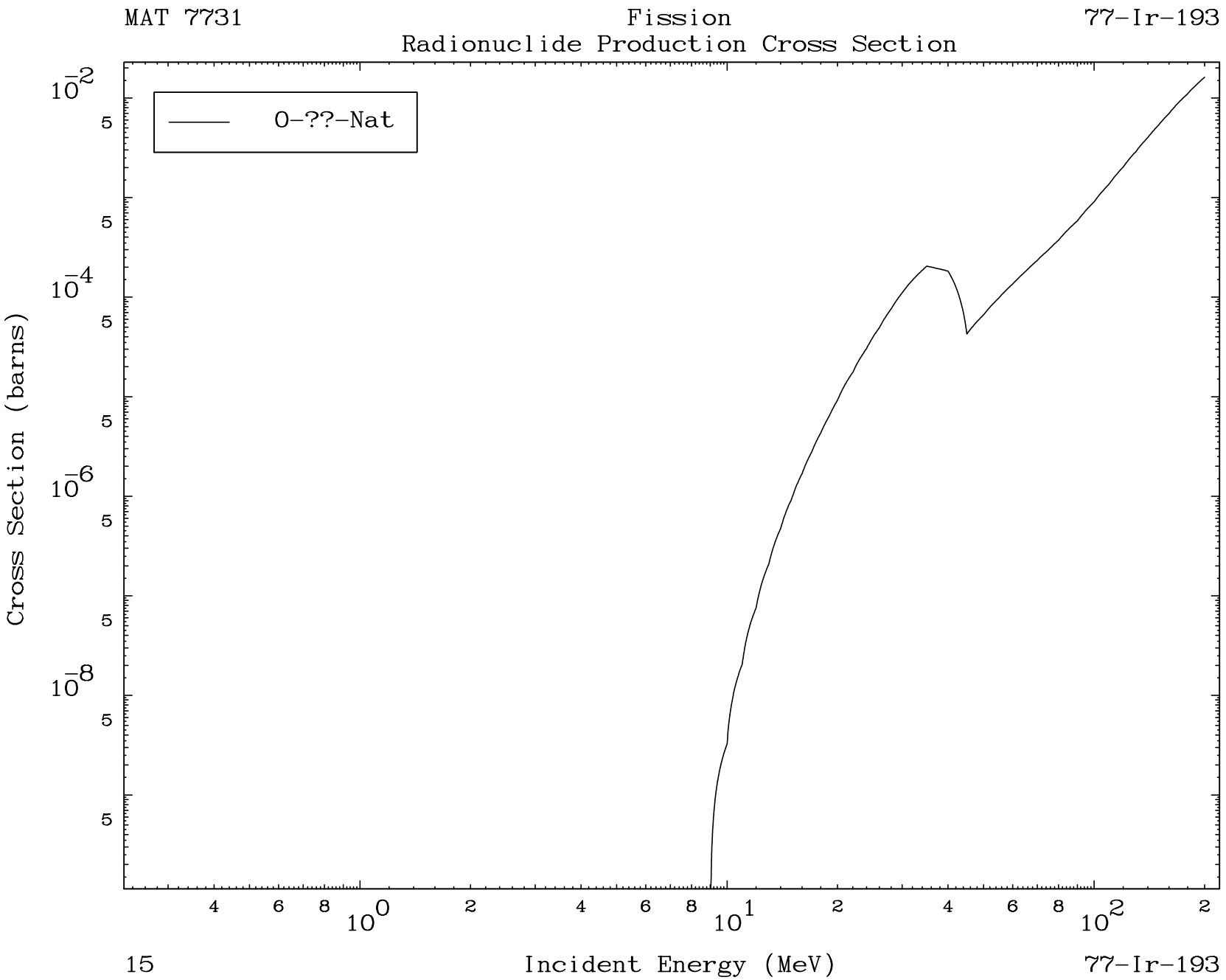

MAT 7731
(t,He3) Levels
77-Ir-193
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
4
6
8
10^1
10^2
10
Incident Energy (MeV)
77-Ir-193

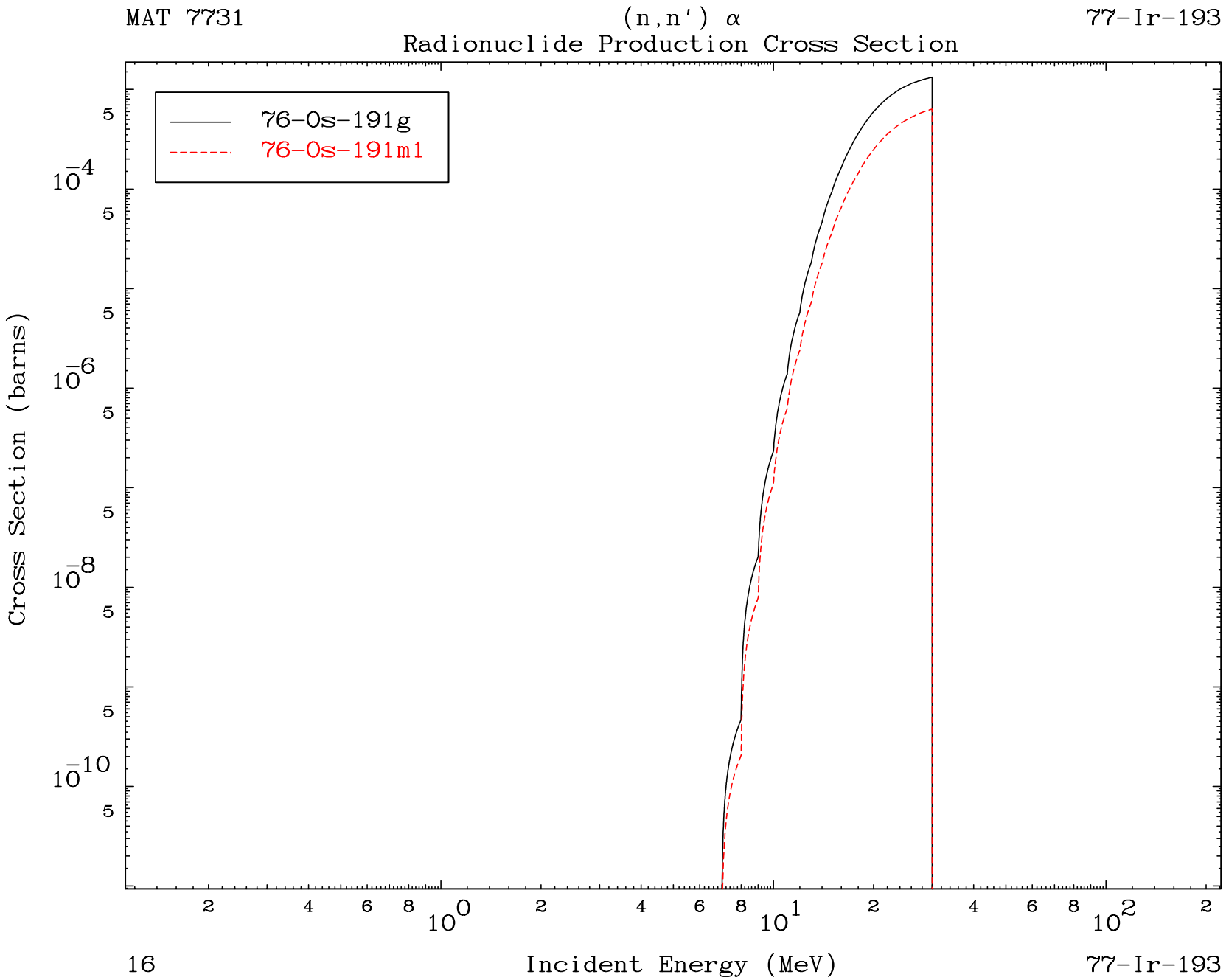

MAT 7731
(t,α) Levels
77-Ir-193
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
77-Ir-193

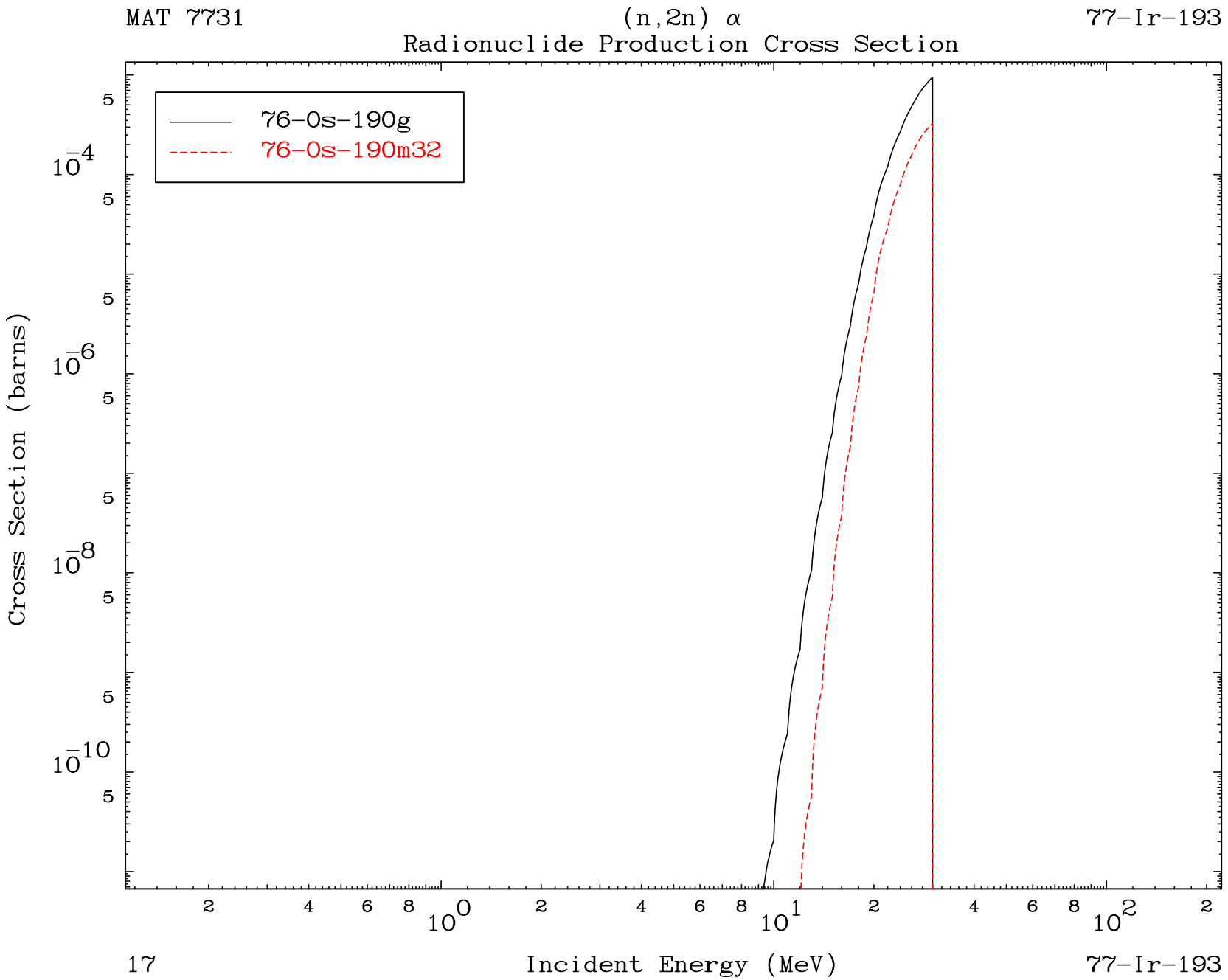

MAT 7731
Inelastic
77-Ir-193
Radionuclide Production Cross Section
78-Pt-195g
78-Pt-195m7
Cross Section (barns)
Incident Energy (MeV)
12
77-Ir-193

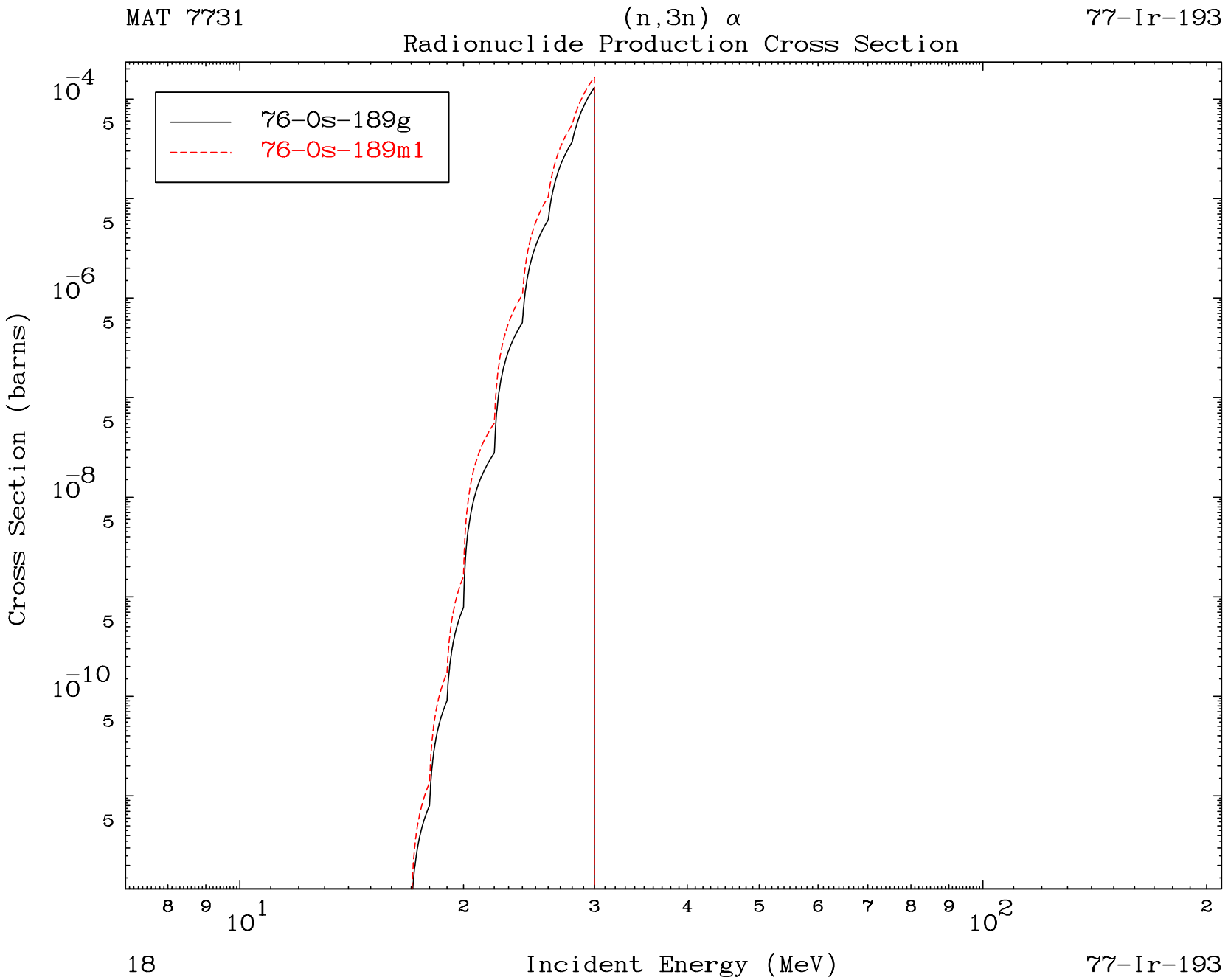

MAT 7731
(n,2n) d
77-Ir-193
Radionuclide Production Cross Section
77-Ir-192g
77-Ir-192m3
77-Ir-192m15
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
77-Ir-193

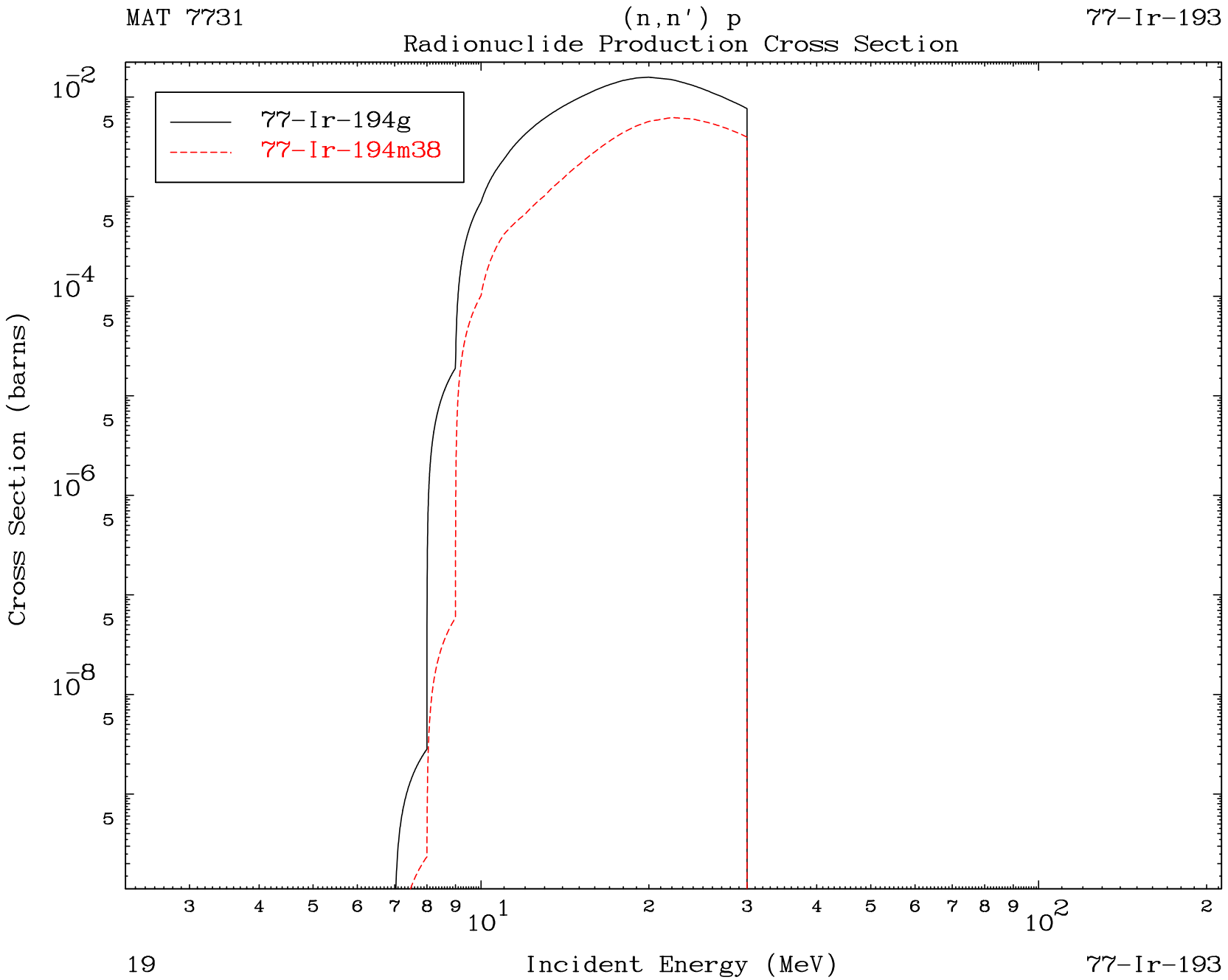

MAT 7731
(n,3n)
77-Ir-193
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
Incident Energy (MeV)
14
77-Ir-193

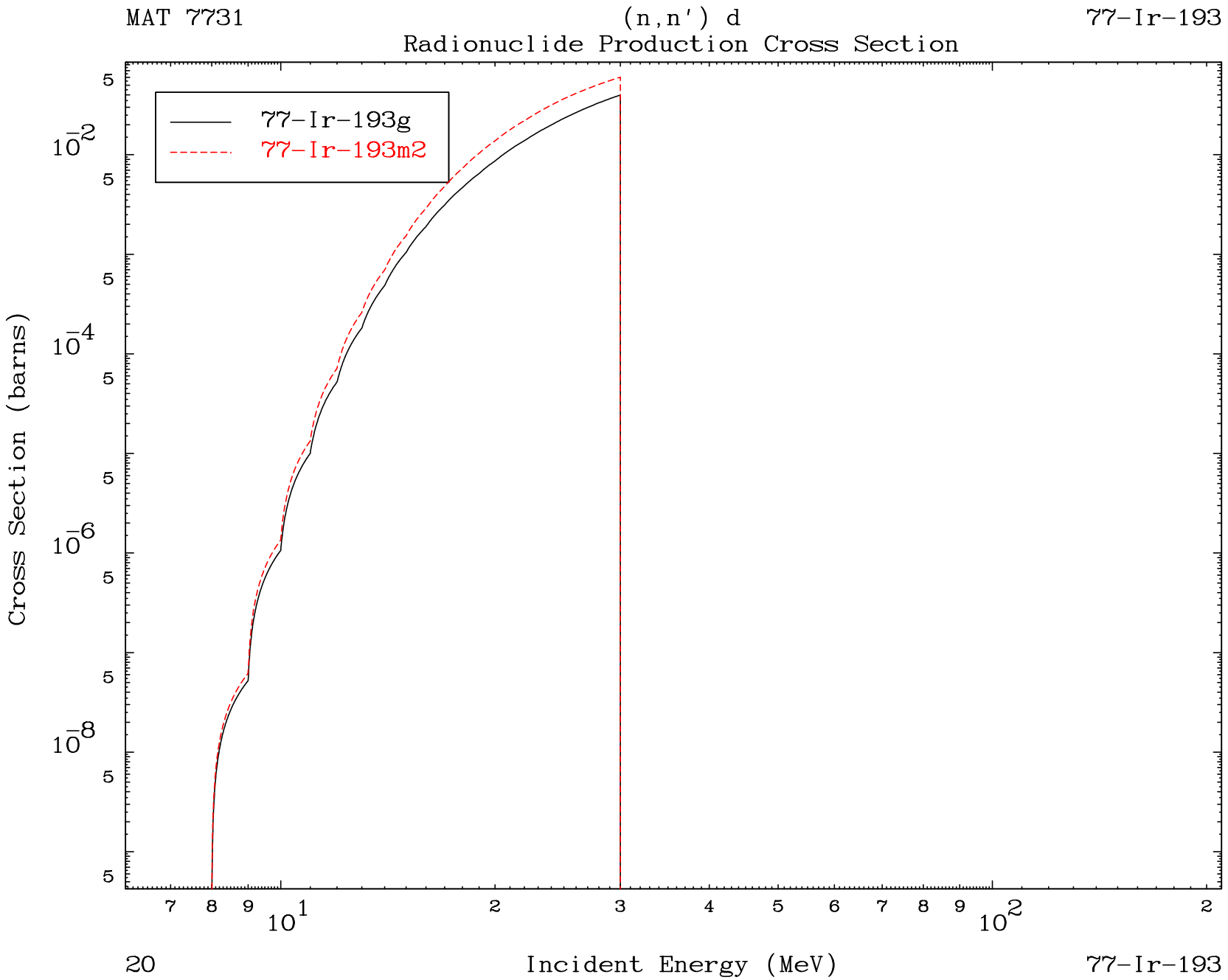

MAT 7731
Fission
77-Ir-193
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
15
77-Ir-193

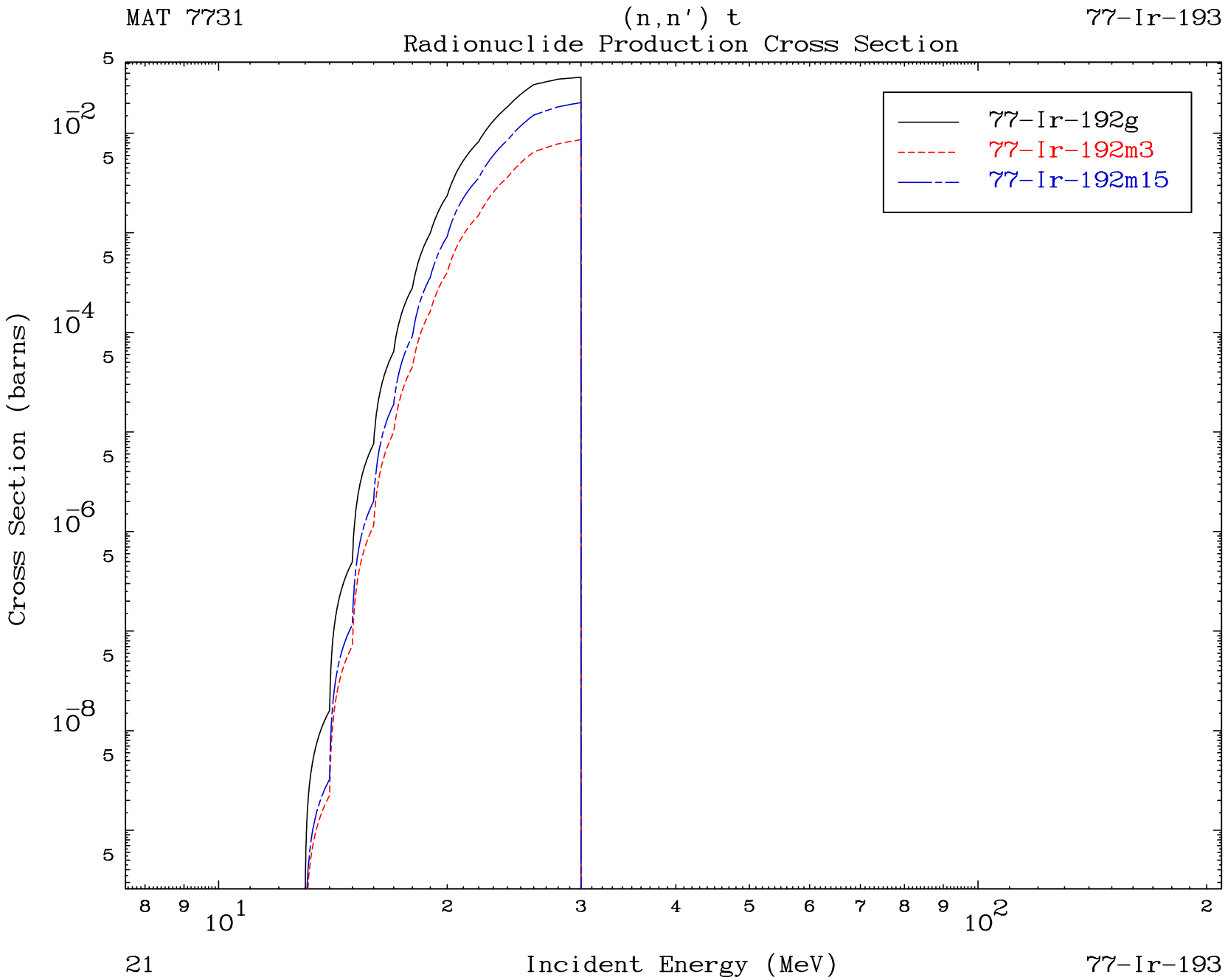

MAT 7731
(n,n') α
77-Ir-193
Radionuclide Production Cross Section
76-Os-191g
76-Os-191m1
Cross Section (barns)
Incident Energy (MeV)
16
77-Ir-193

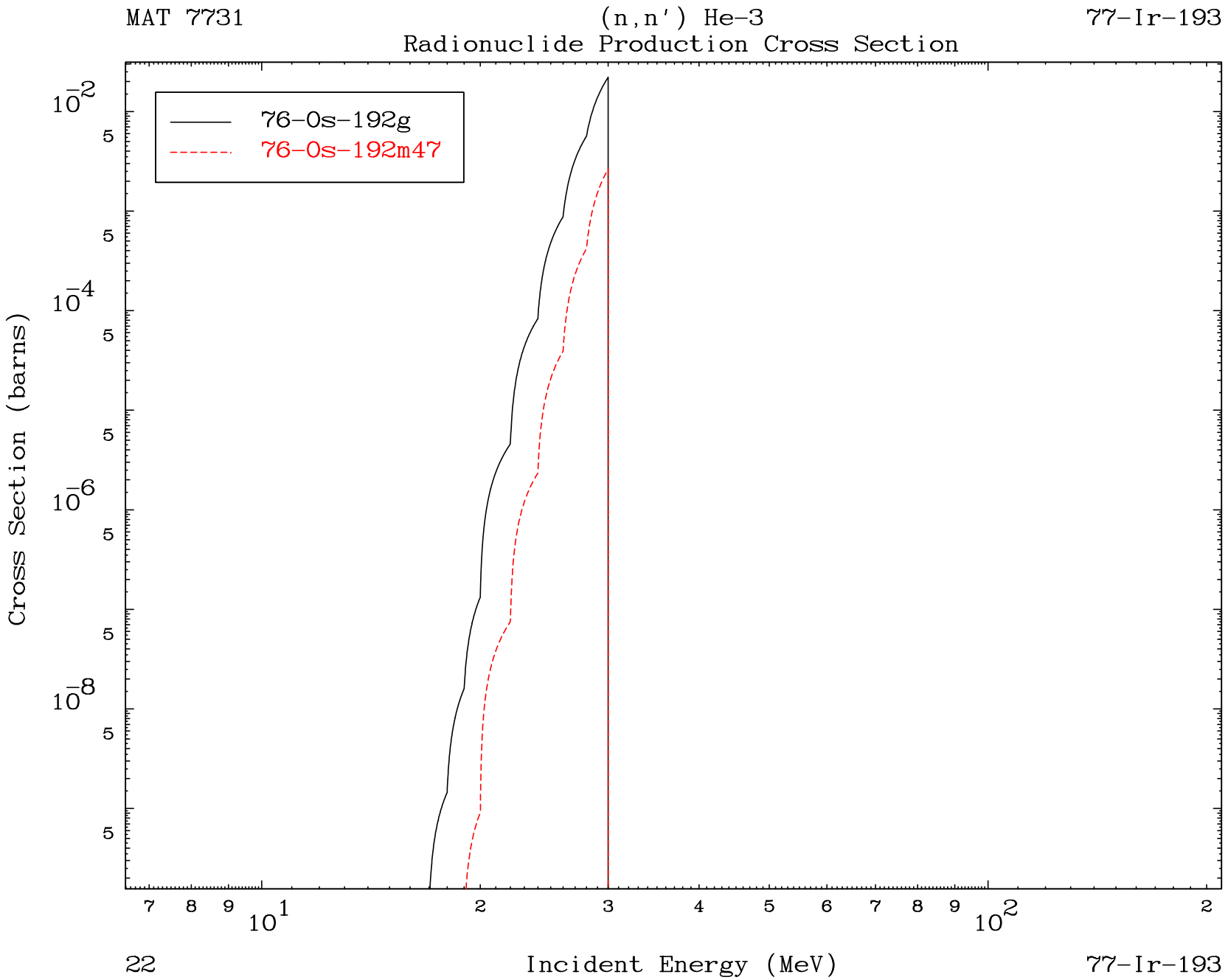

MAT 7731
(n,2n) α
77-Ir-193
Radionuclide Production Cross Section
76-Os-190g
76-Os-190m32
Cross Section (barns)
Incident Energy (MeV)
17
77-Ir-193

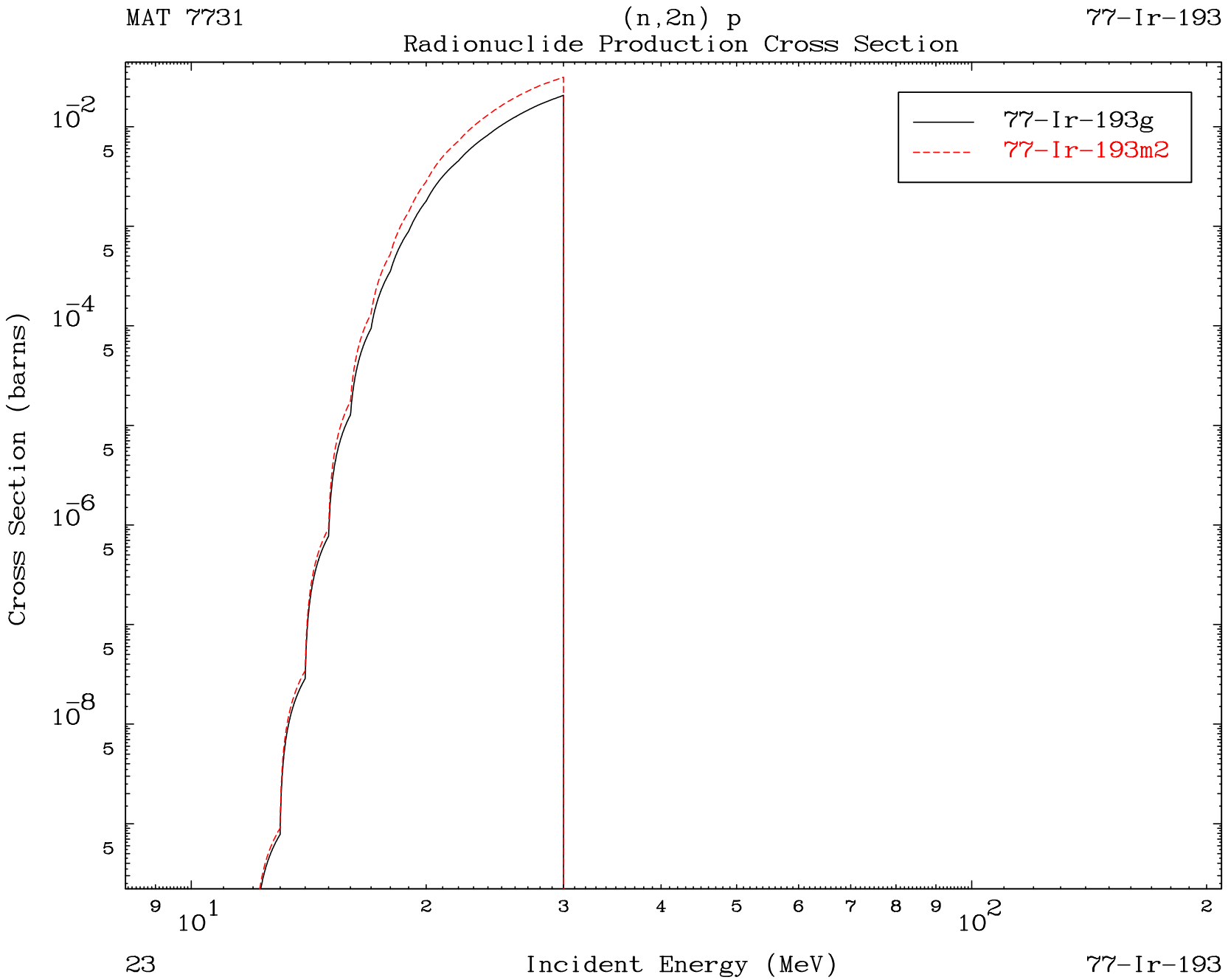

MAT 7731
(n,3n) α
77-Ir-193
Radionuclide Production Cross Section
76-Os-189g
76-Os-189m1
Cross Section (barns)
Incident Energy (MeV)
18
77-Ir-193

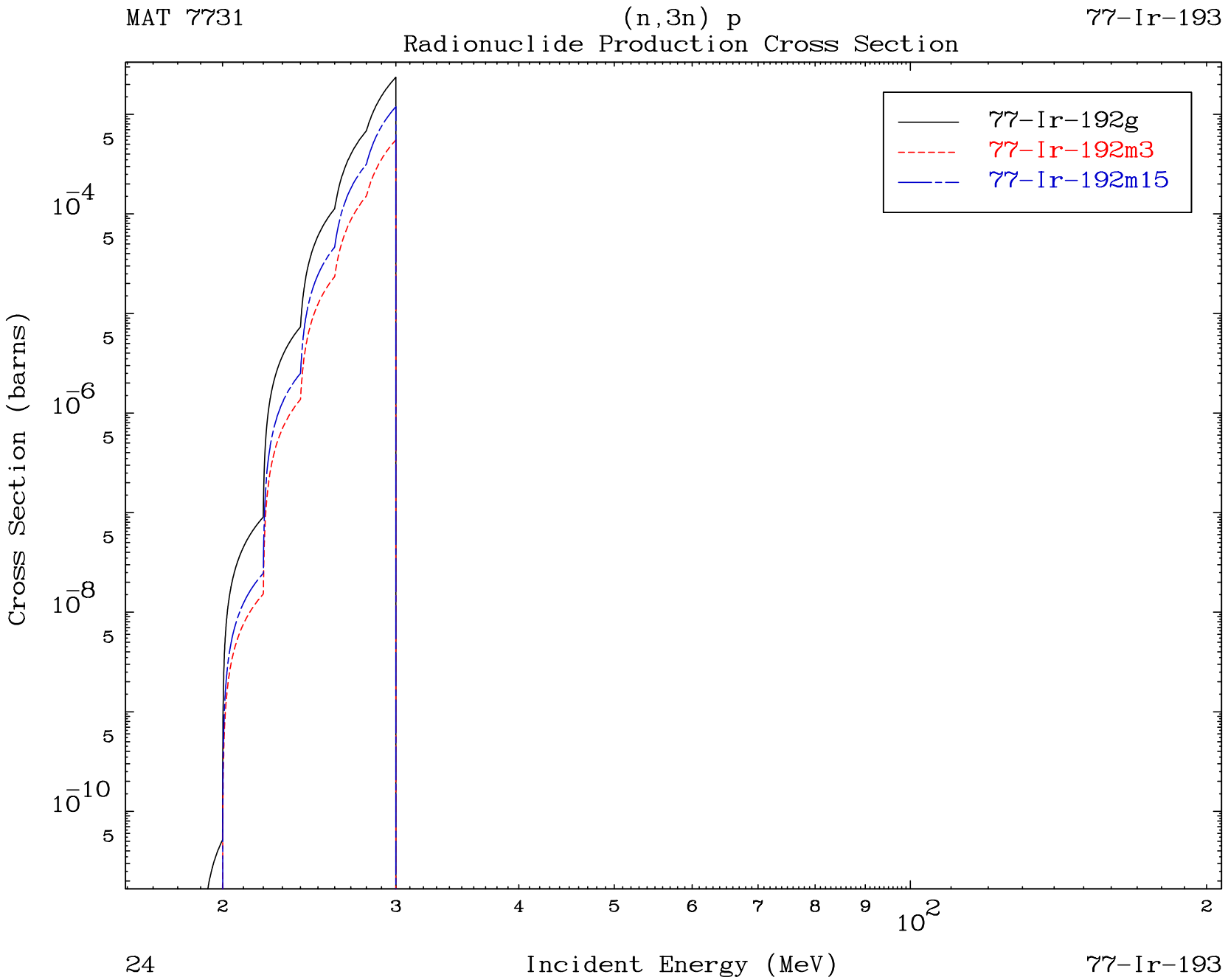

MAT 7731
(n,n') p
77-Ir-193
Radionuclide Production Cross Section
77-Ir-194g
77-Ir-194m38
Cross Section (barns)
Incident Energy (MeV)
19
77-Ir-193

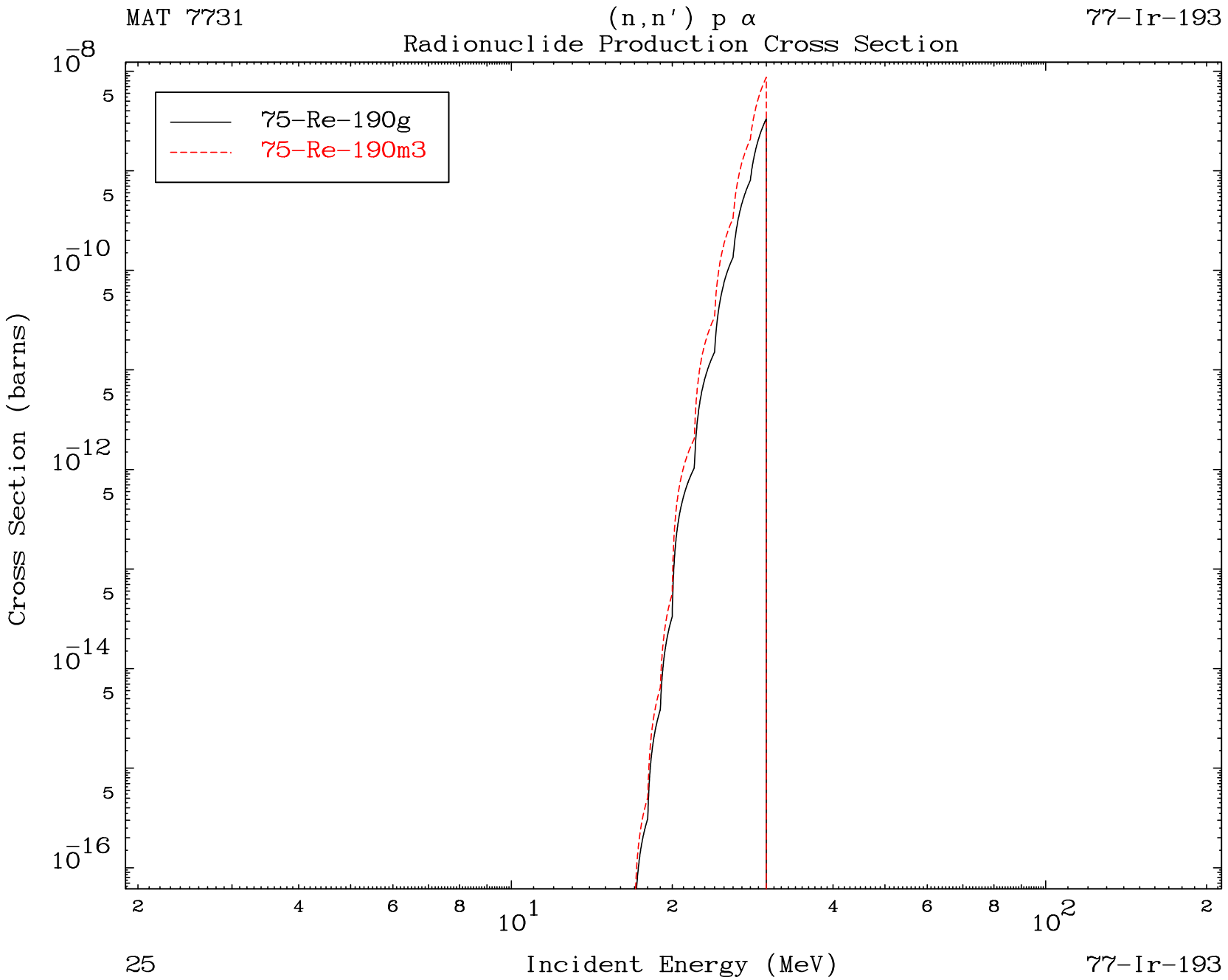

MAT 7731
(n,n') d
77-Ir-193
Radionuclide Production Cross Section
77-Ir-193g
77-Ir-193m2
Cross Section (barns)
Incident Energy (MeV)
20
77-Ir-193

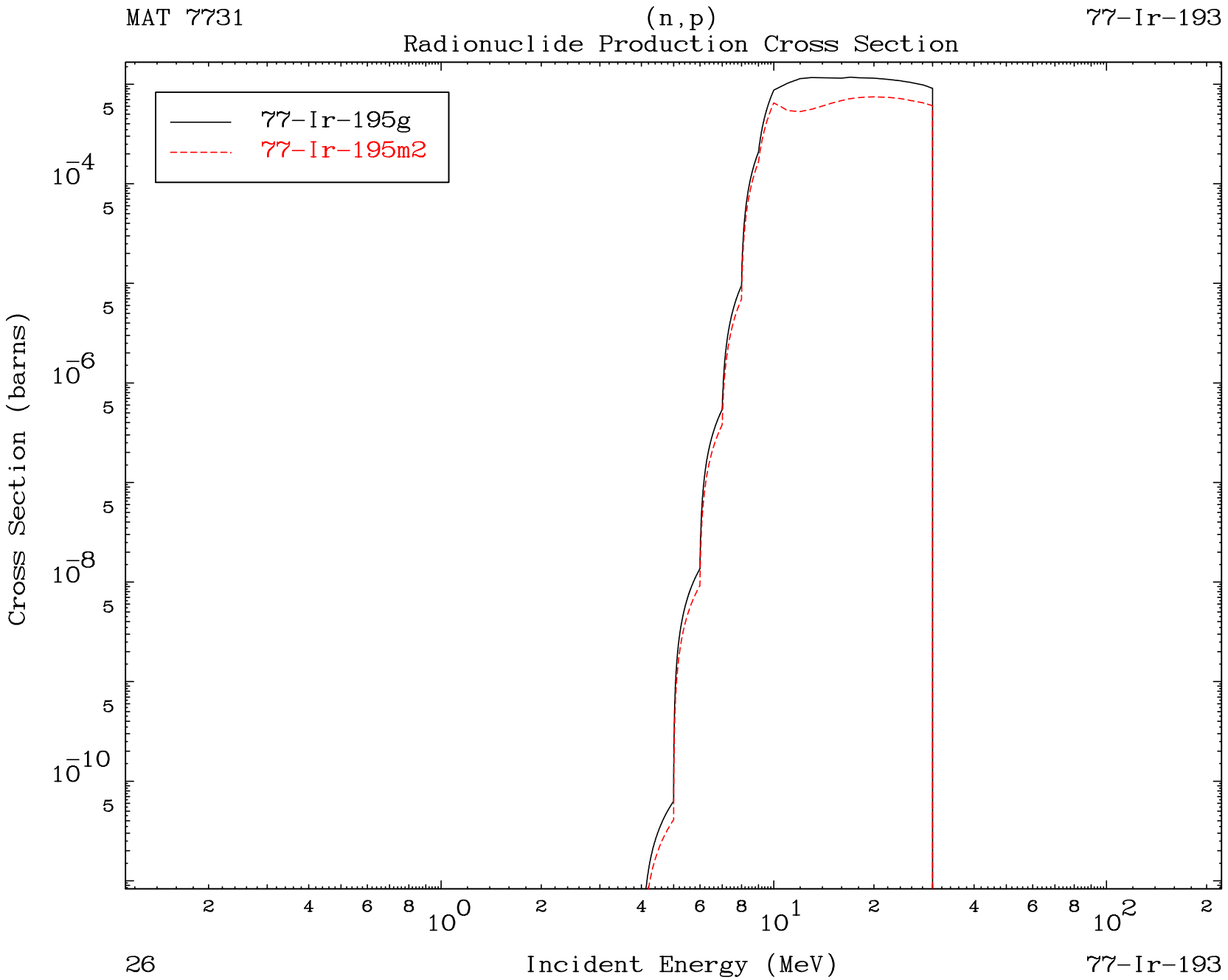

MAT 7731
(n,n') t
77-Ir-193
Radionuclide Production Cross Section
77-Ir-192g
77-Ir-192m3
77-Ir-192m15
Cross Section (barns)
Incident Energy (MeV)
21
77-Ir-193

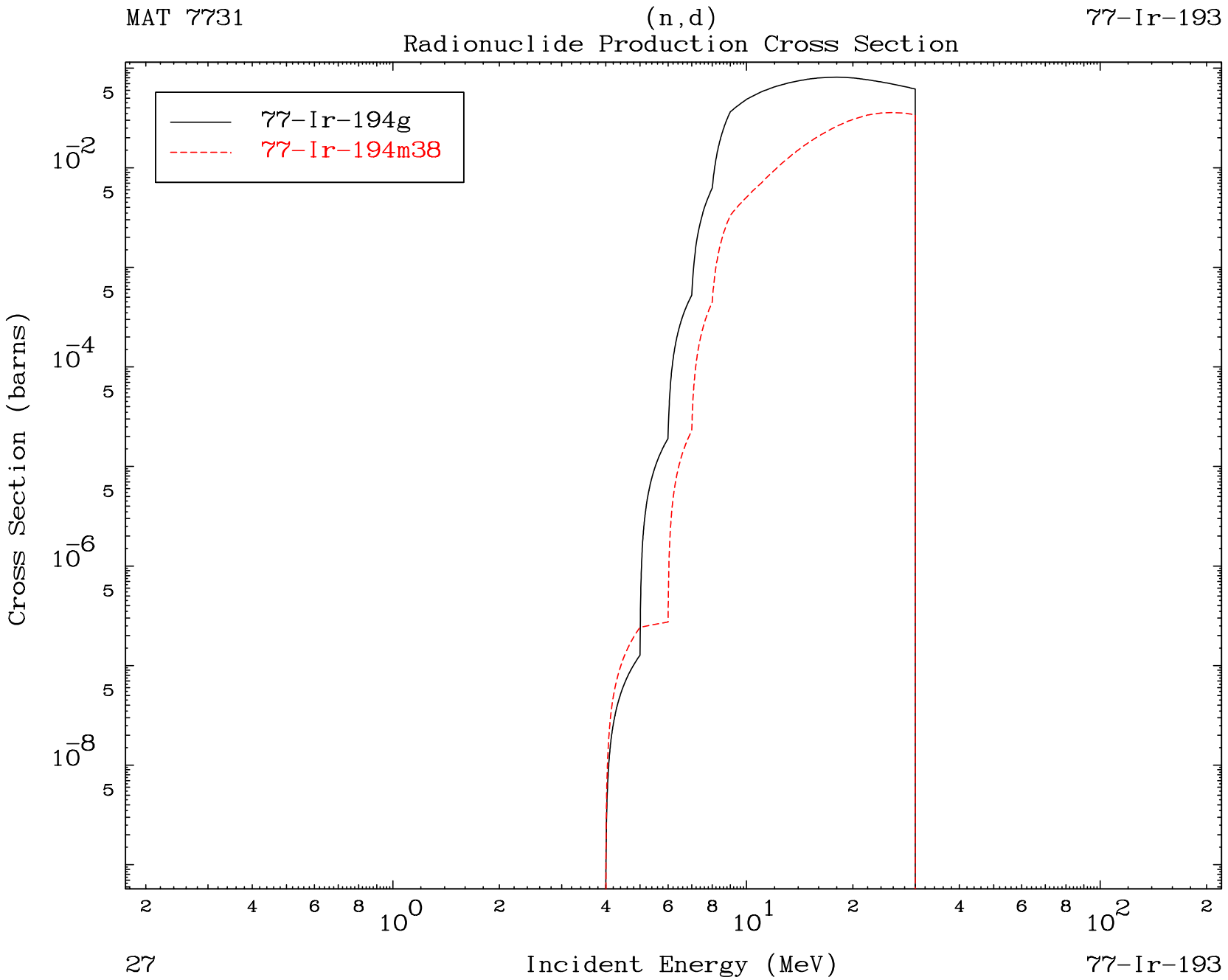

MAT 7731
(n,n') He-3
77-Ir-193
Radionuclide Production Cross Section
76-Os-192g
76-Os-192m47
Cross Section (barns)
Incident Energy (MeV)
22
77-Ir-193

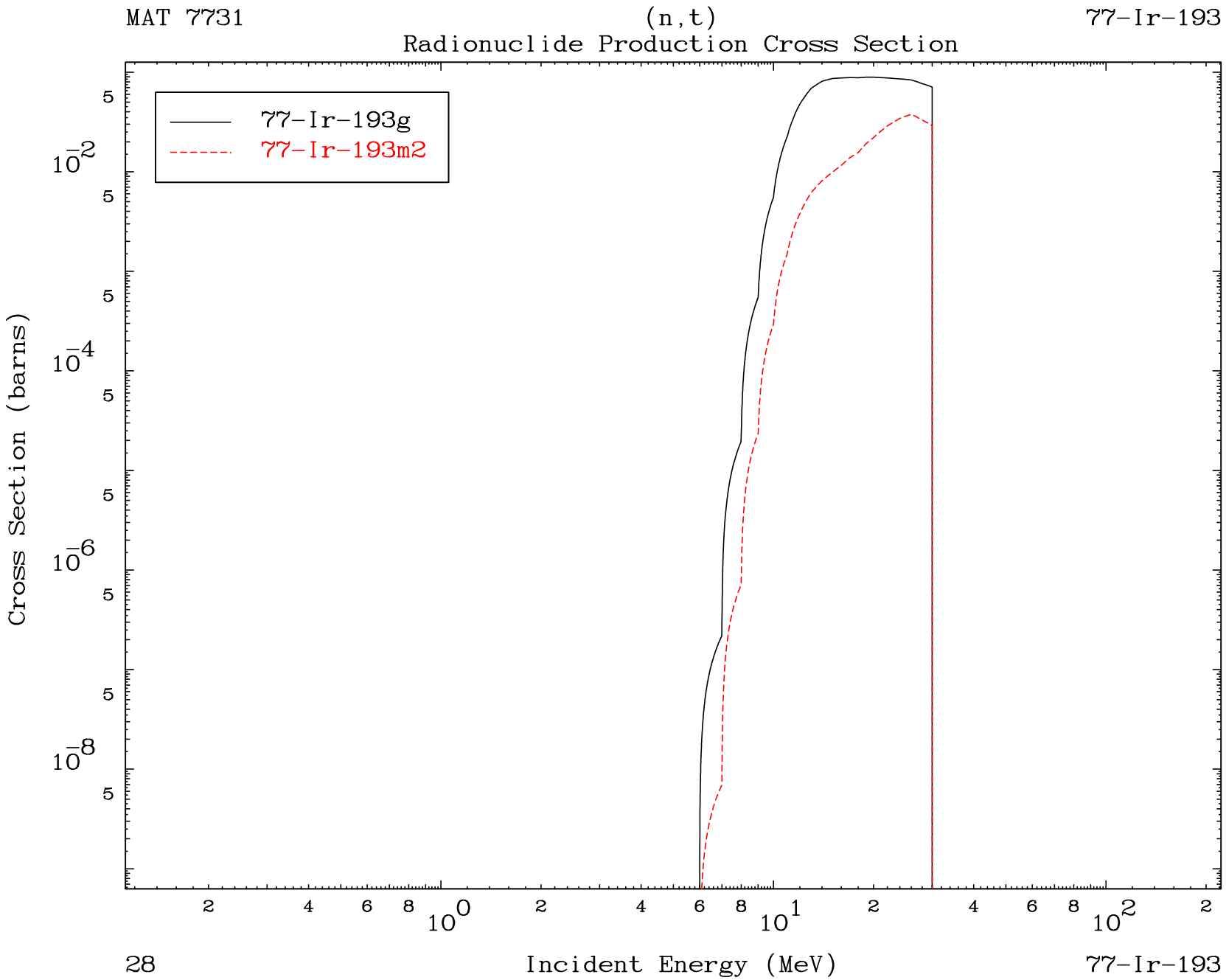

MAT 7731
(n,2n) p
77-Ir-193
Radionuclide Production Cross Section
77-Ir-193g
77-Ir-193m2
Cross Section (barns)
Incident Energy (MeV)
23
77-Ir-193

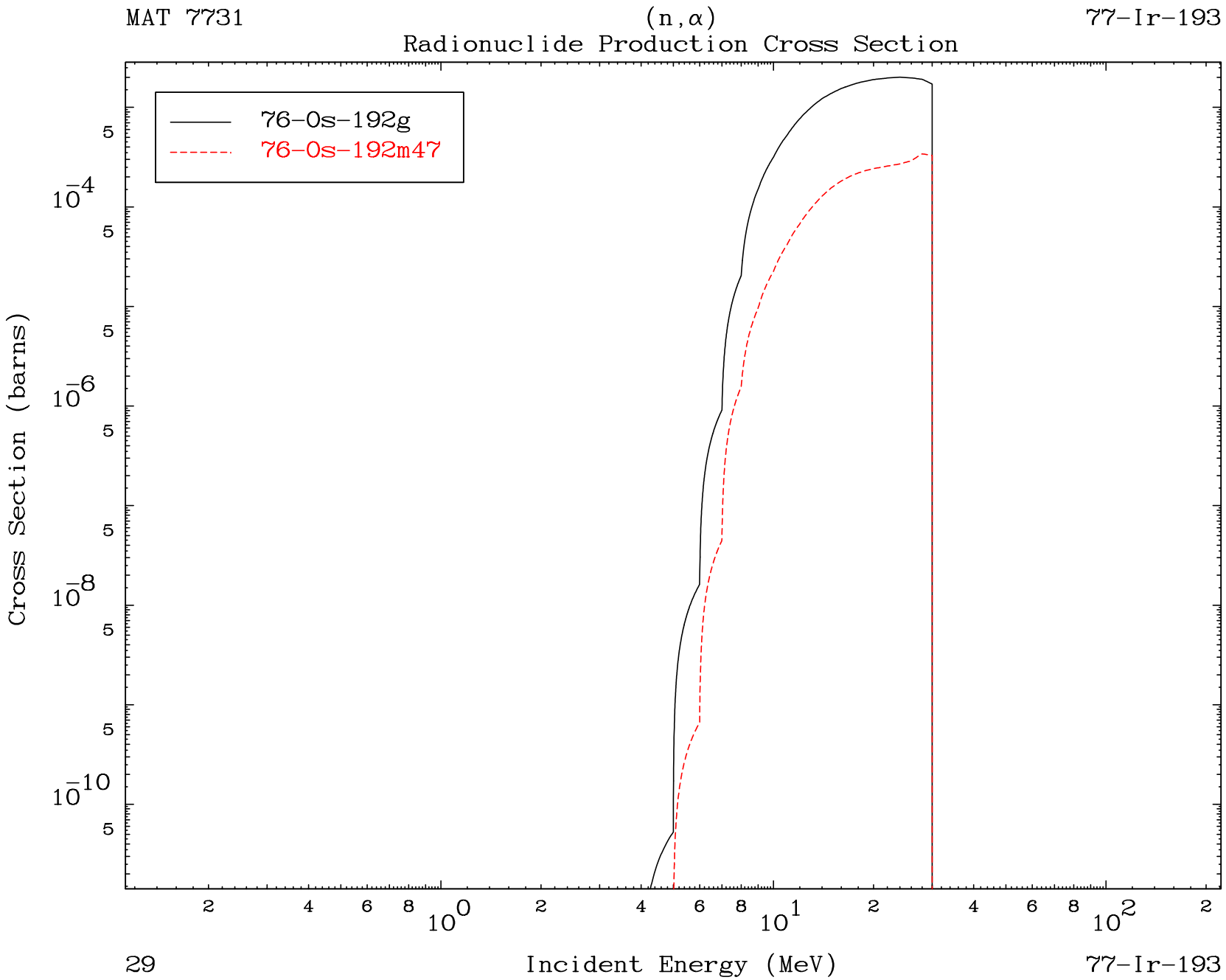

MAT 7731
(n,3n) p
77-Ir-193
Radionuclide Production Cross Section
77-Ir-192g
77-Ir-192m3
77-Ir-192m15
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
24
Incident Energy (MeV)
77-Ir-193

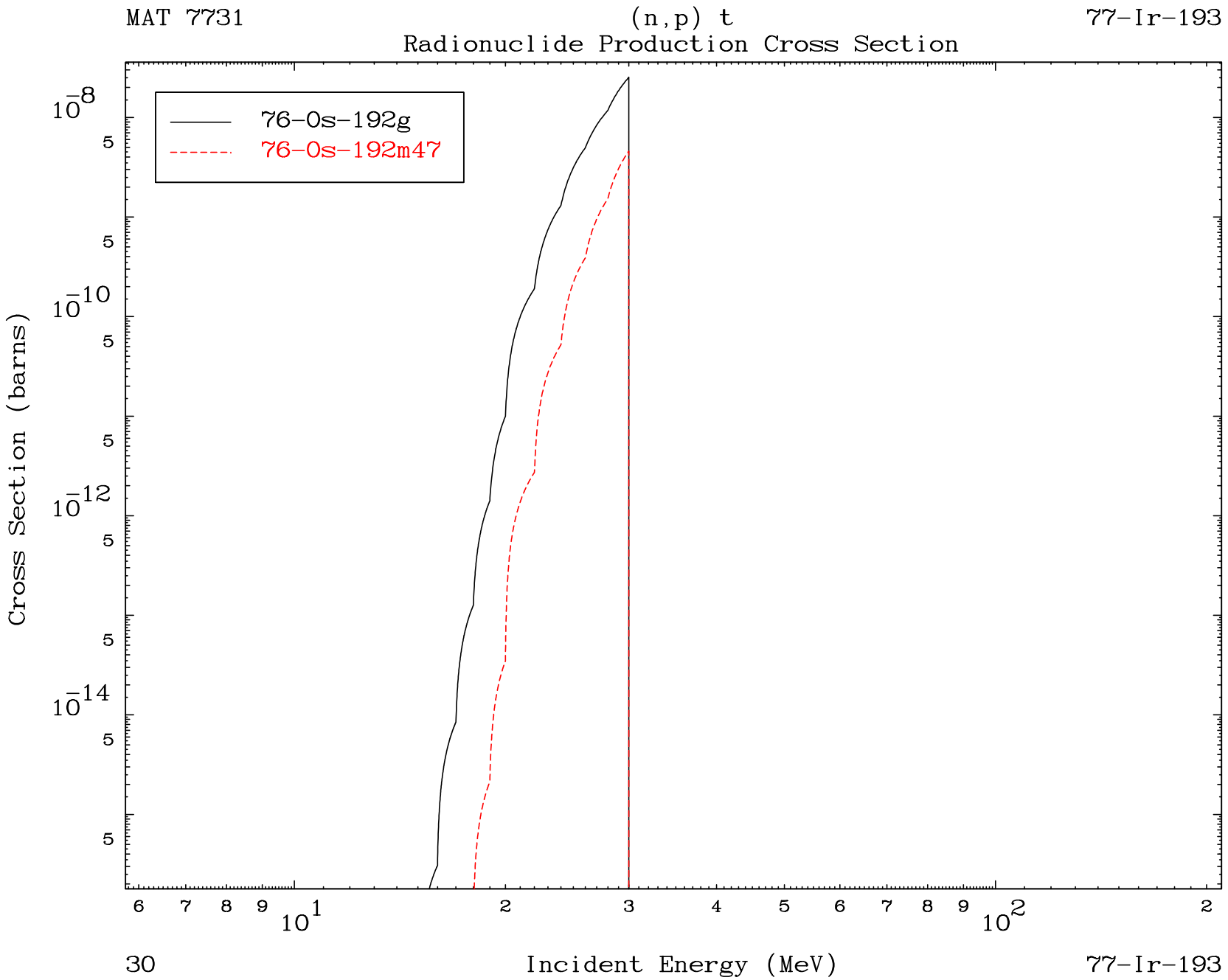

MAT 7731
(n,n') p α
77-Ir-193
Radionuclide Production Cross Section
75-Re-190g
75-Re-190m3
Cross Section (barns)
Incident Energy (MeV)
25
77-Ir-193


MAT 7731
(n,p)
77-Ir-193
Radionuclide Production Cross Section
77-Ir-195g
77-Ir-195m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
26
77-Ir-193


MAT 7731
(n,d)
77-Ir-193
Radionuclide Production Cross Section
77-Ir-194g
77-Ir-194m38
Cross Section (barns)
Incident Energy (MeV)
27
77-Ir-193


MAT 7731
(n,t)
77-Ir-193
Radionuclide Production Cross Section
77-Ir-193g
77-Ir-193m2
Cross Section (barns)
Incident Energy (MeV)
28
77-Ir-193


MAT 7731
(n,α)
77-Ir-193
Radionuclide Production Cross Section
76-Os-192g
76-Os-192m47
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
29
77-Ir-193


MAT 7731
(n,p) t
77-Ir-193
Radionuclide Production Cross Section
76-Os-192g
76-Os-192m47
Cross Section (barns)
10-8
10-10
10-12
10-14
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
30
Incident Energy (MeV)
77-Ir-193