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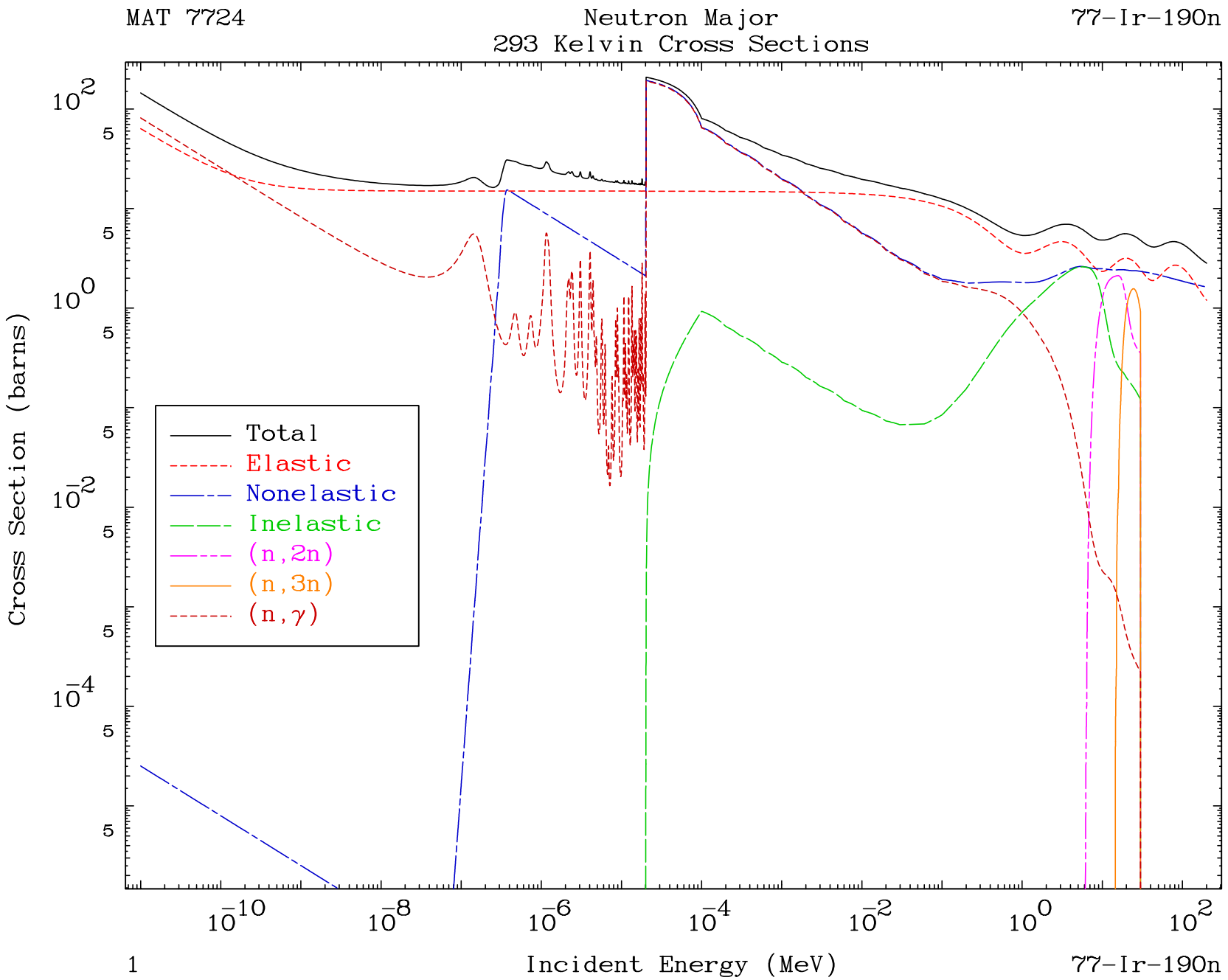
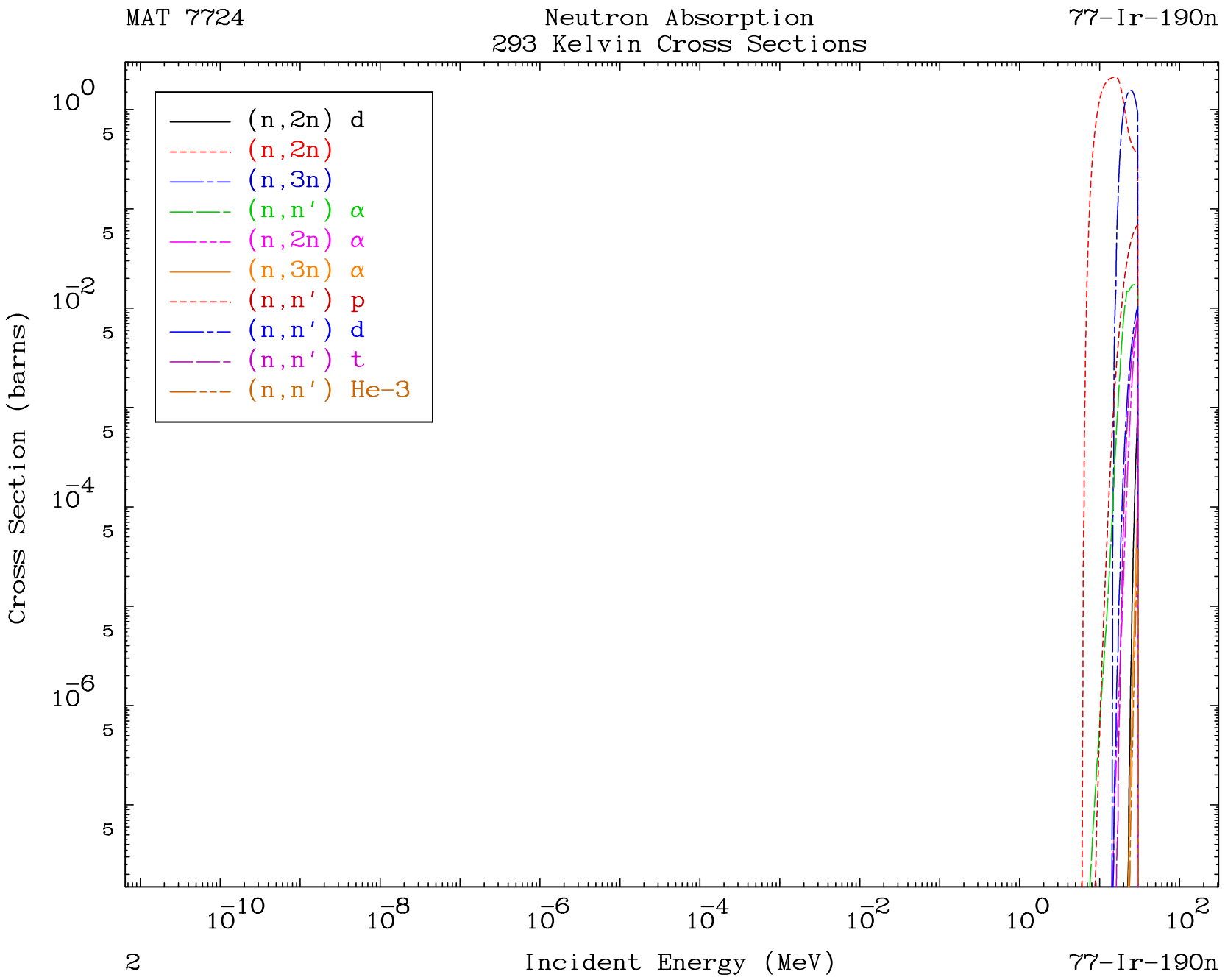
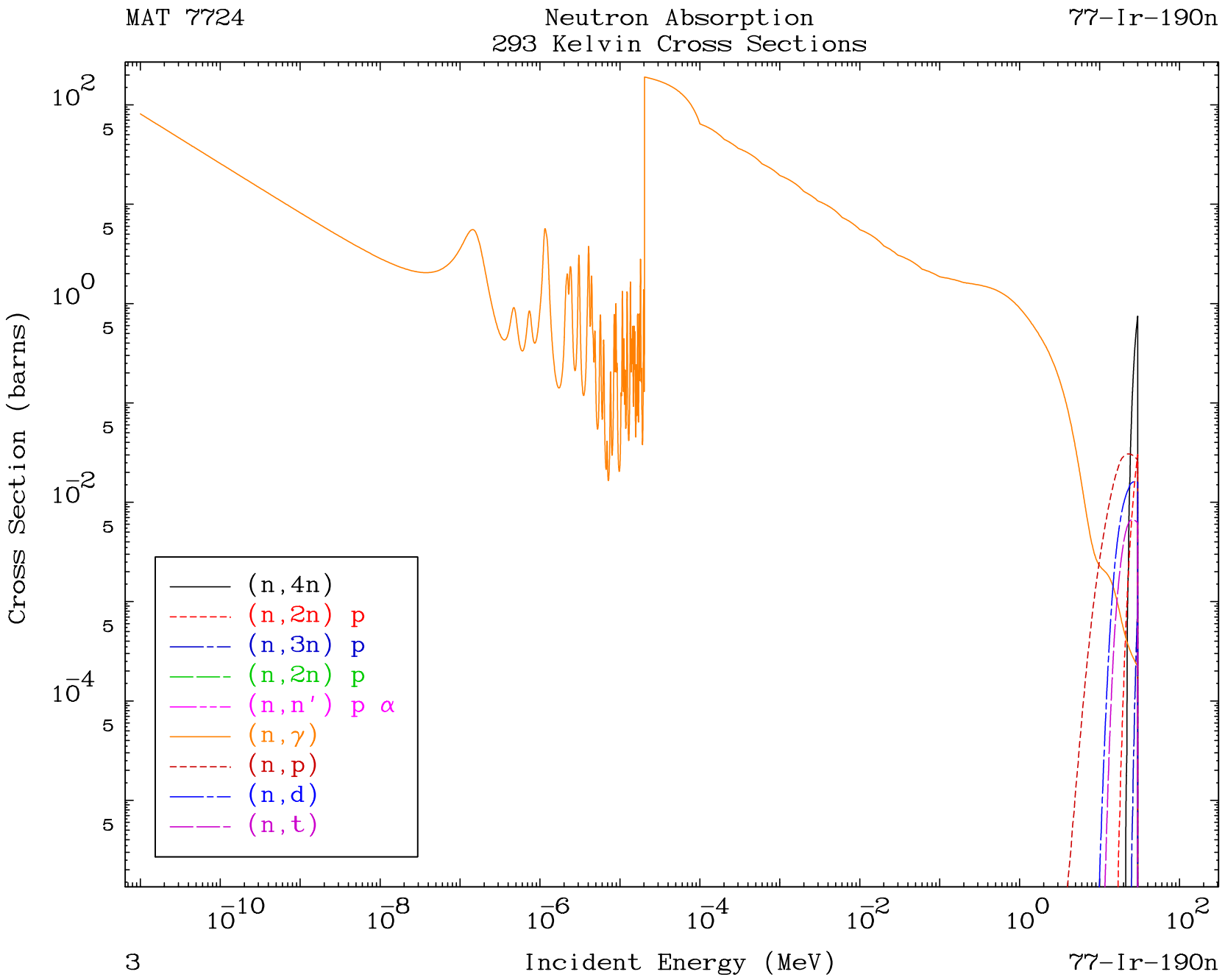
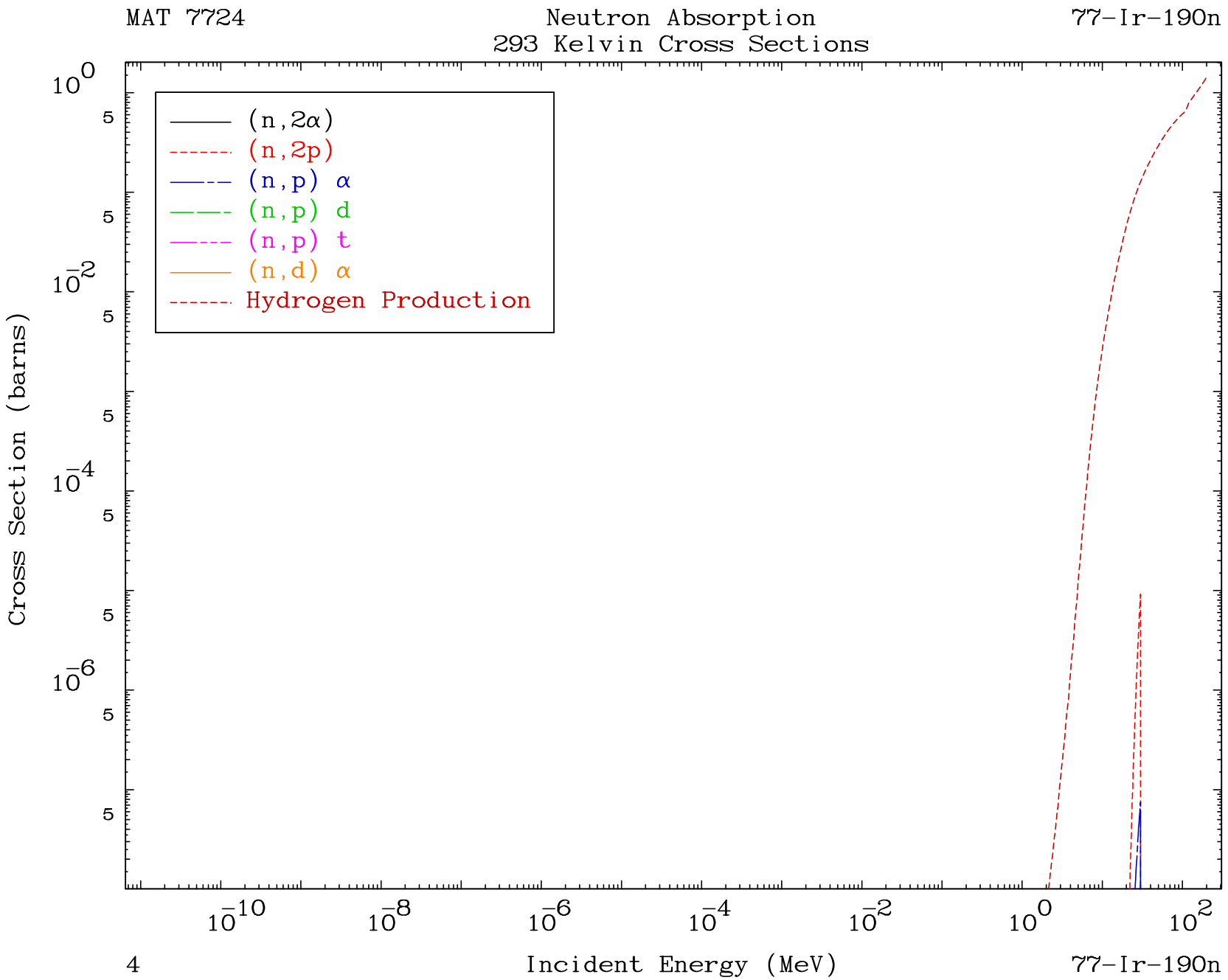
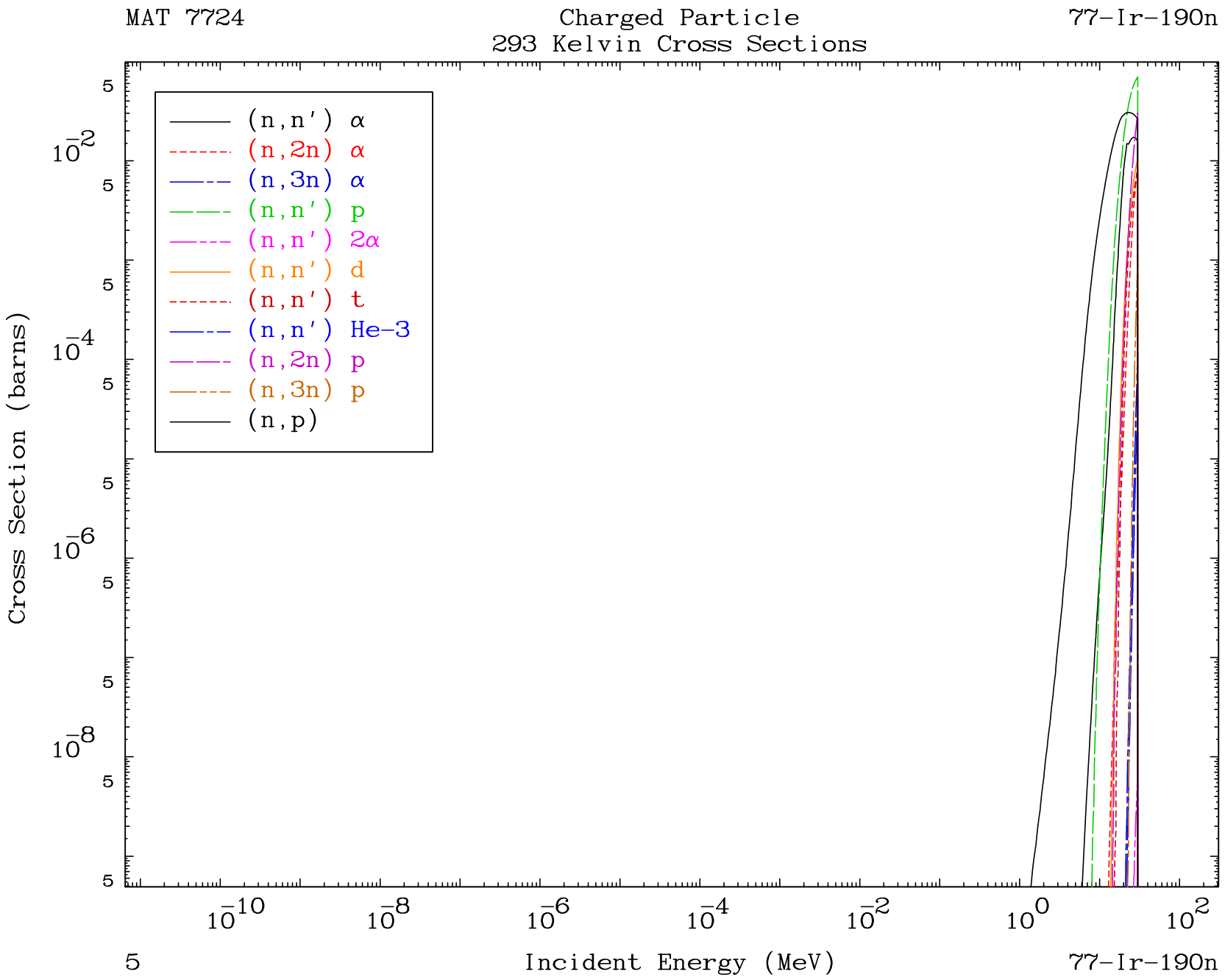
Press Mouse Button to Start

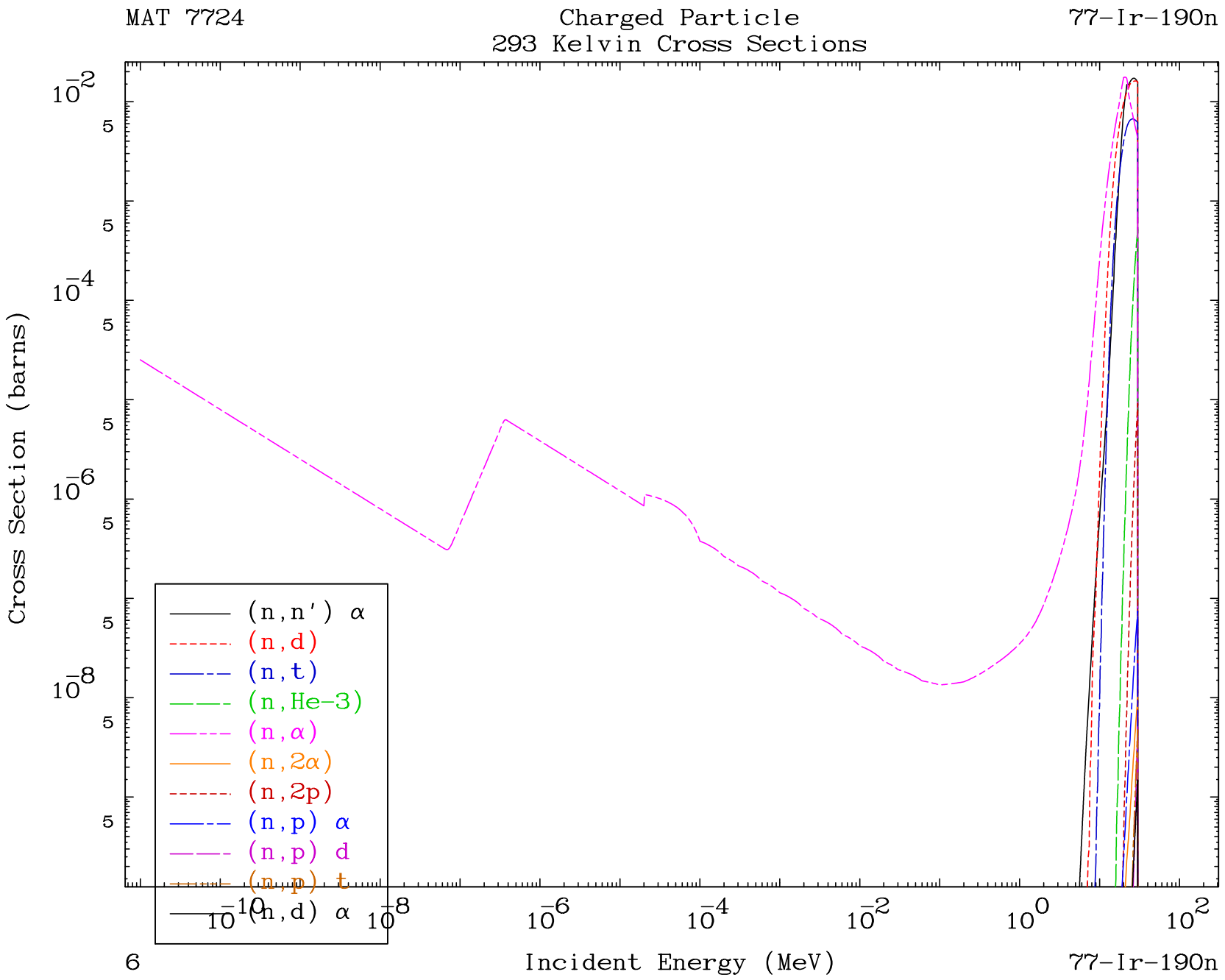

MAT 7724
Neutron Major
293 Kelvin Cross Sections
77-Ir-190n
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
77-Ir-190n

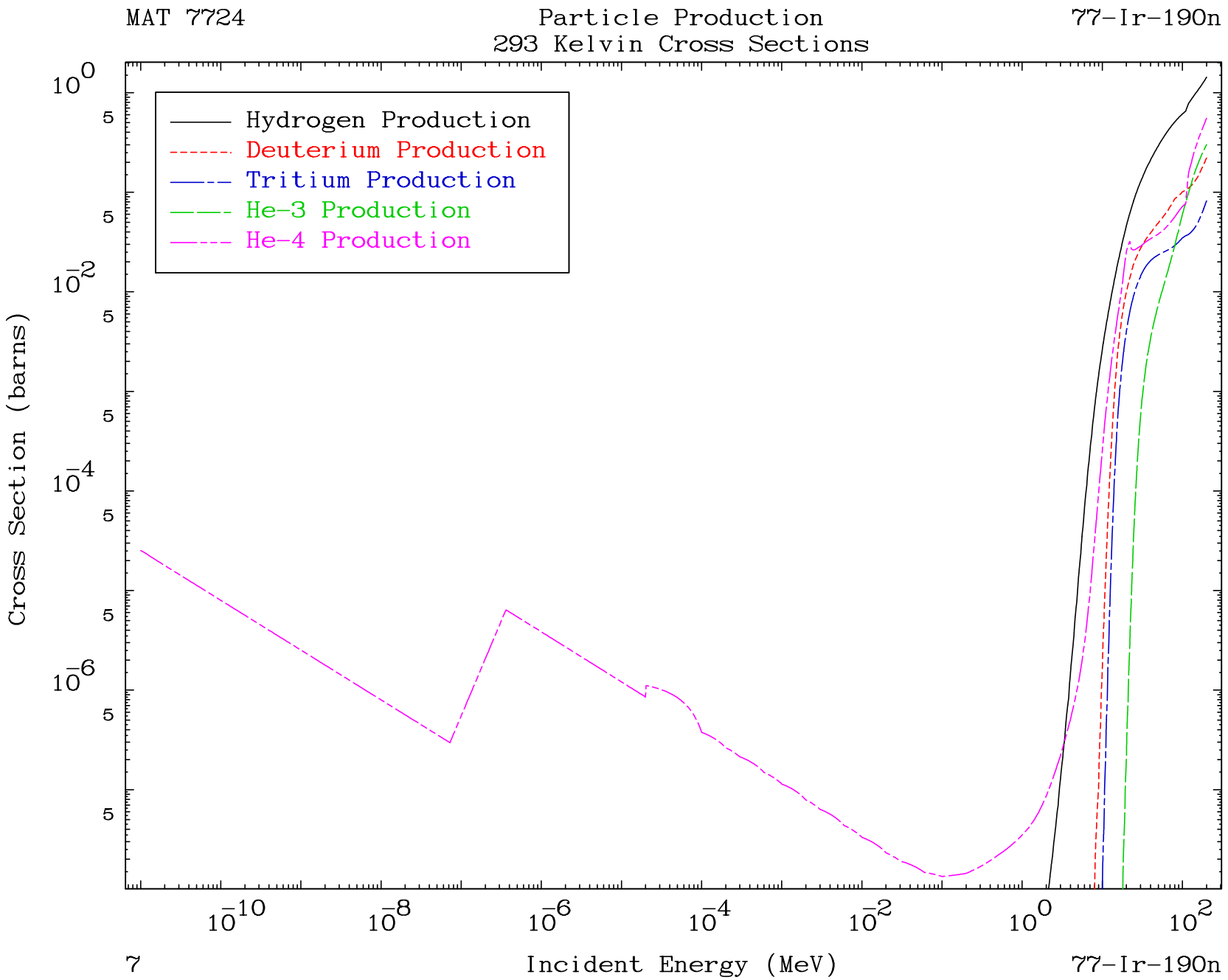

MAT 7724
Neutron Absorption
293 Kelvin Cross Sections
77-Ir-190n
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
77-Ir-190n
2

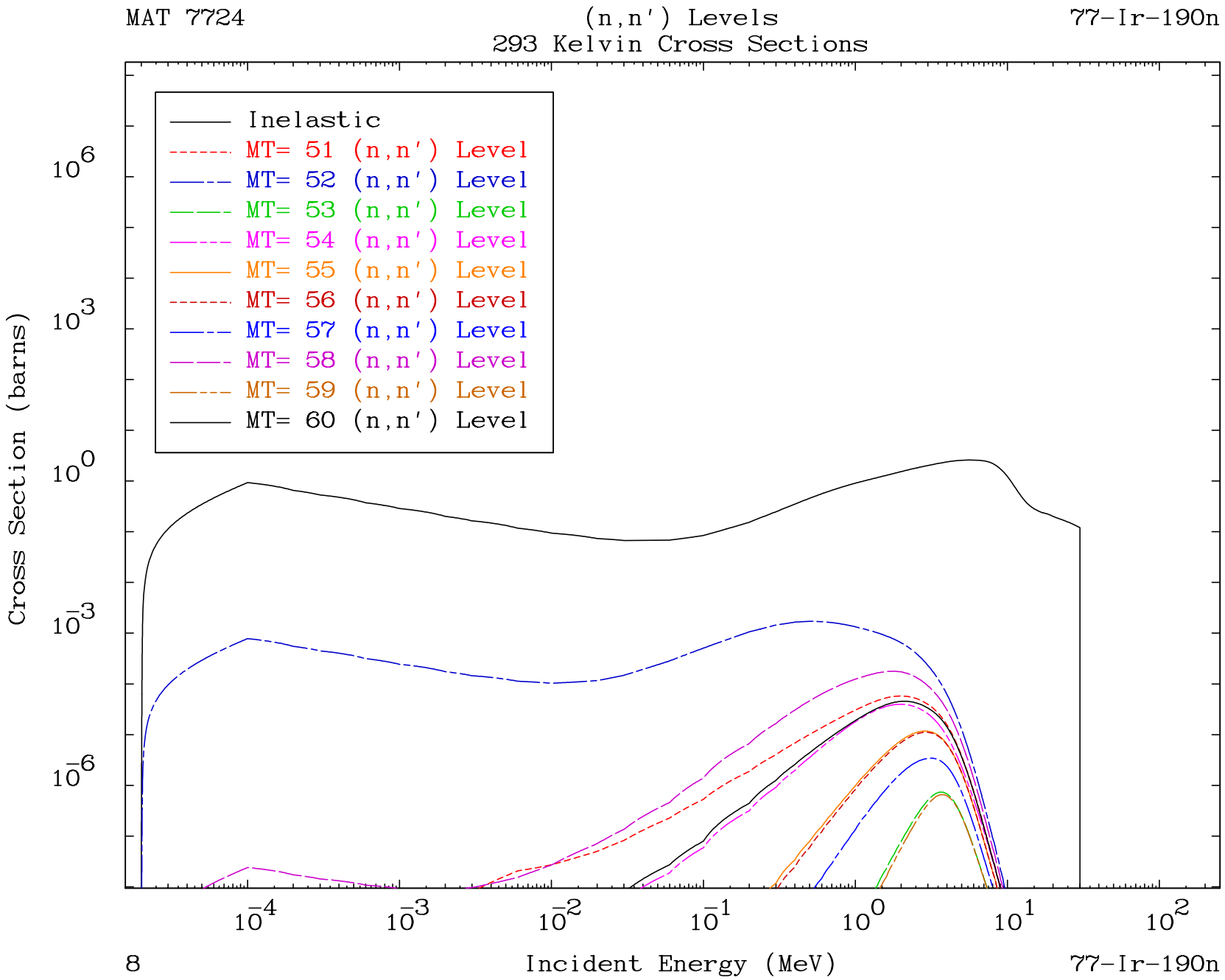

MAT 7724
Neutron Absorption
293 Kelvin Cross Sections
77-Ir-190n
Cross Section (barns)
Incident Energy (MeV)
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
3
77-Ir-190n

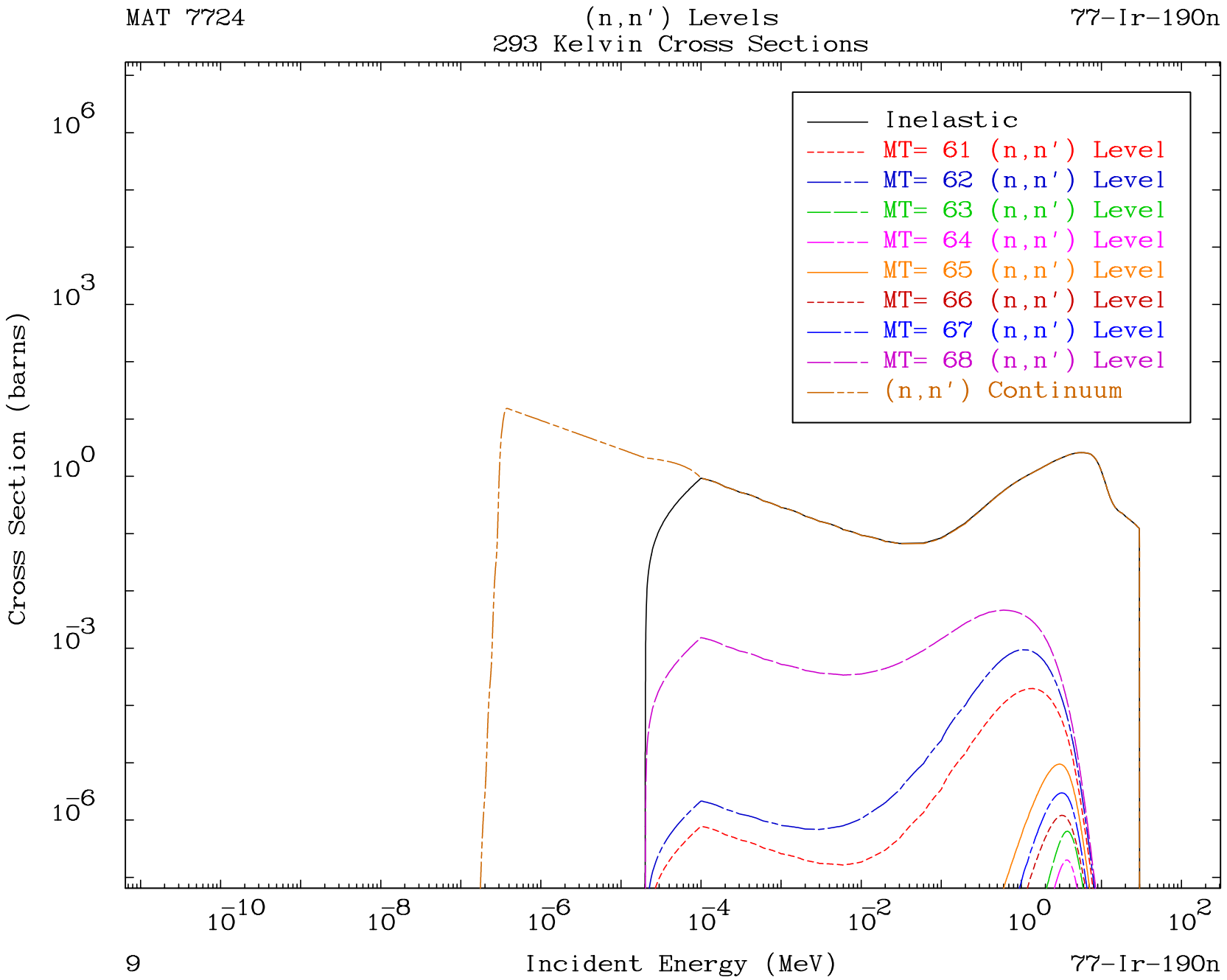

MAT 7724
Neutron Absorption
293 Kelvin Cross Sections
77-Ir-190n
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Cross Section (barns)
Incident Energy (MeV)
77-Ir-190n

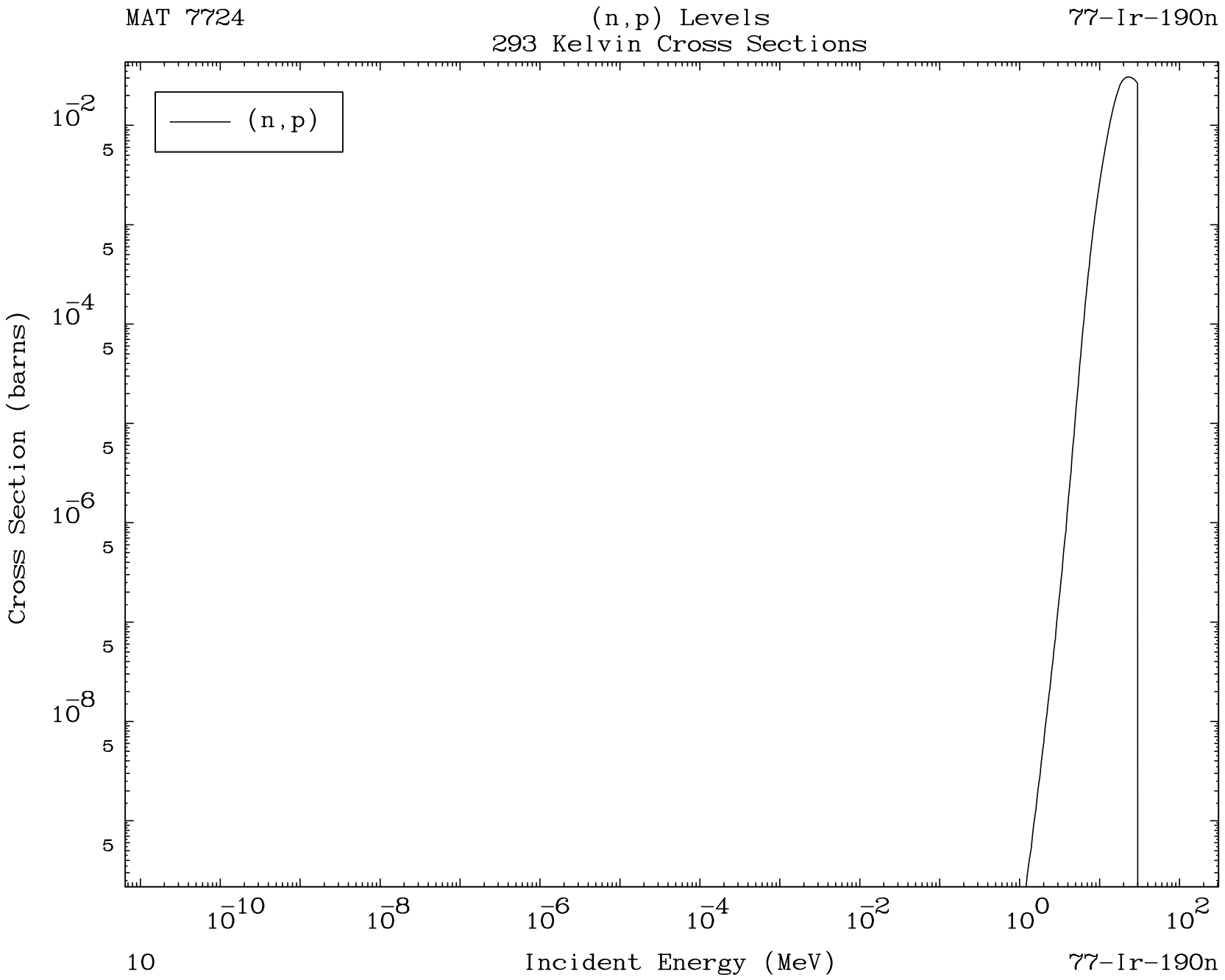

MAT 7724
Charged Particle
293 Kelvin Cross Sections
77-Ir-190n
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-190n

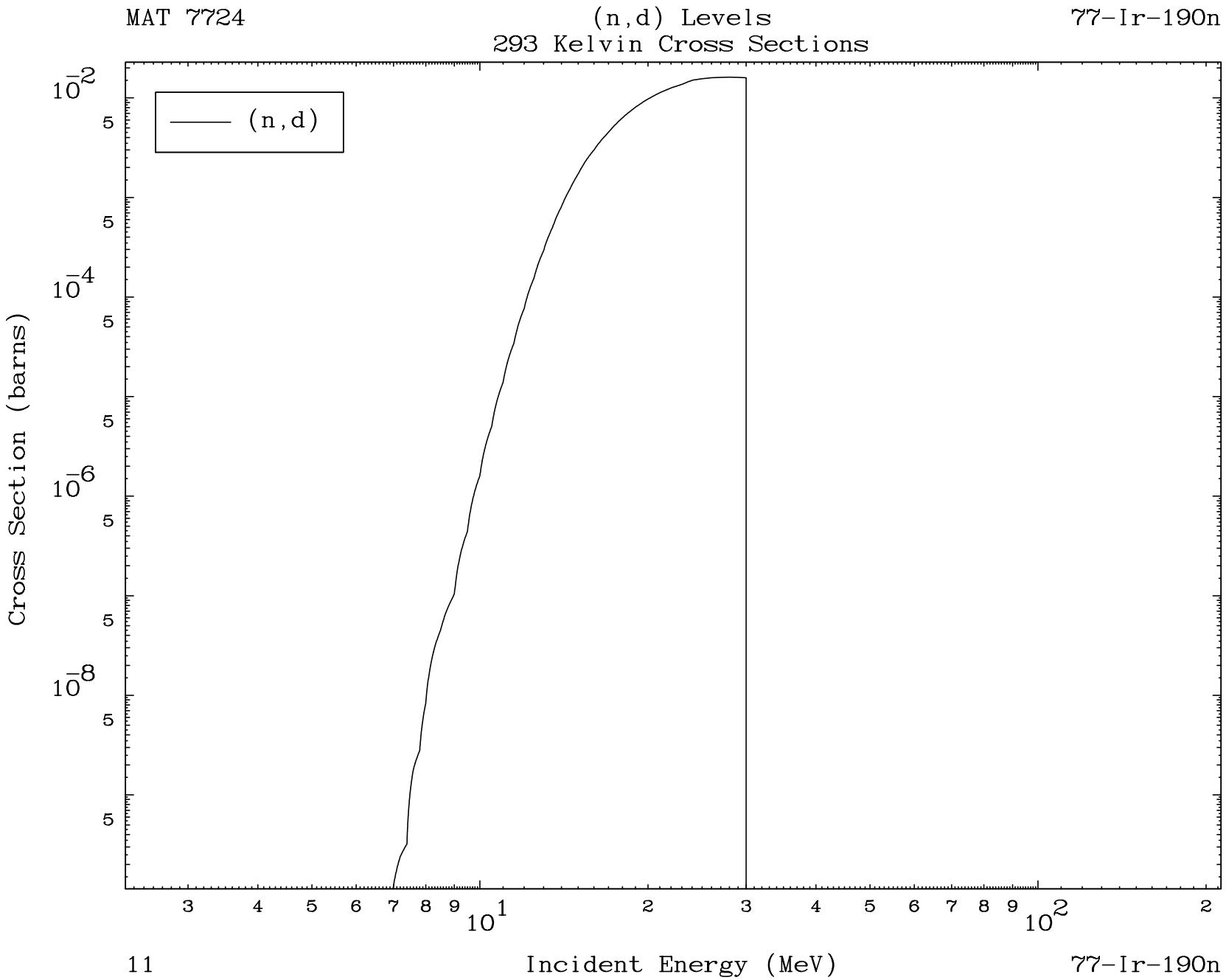

MAT 7724
Charged Particle
293 Kelvin Cross Sections
77-Ir-190n
Cross Section (barns)
Incident Energy (MeV)
77-Ir-190n
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α

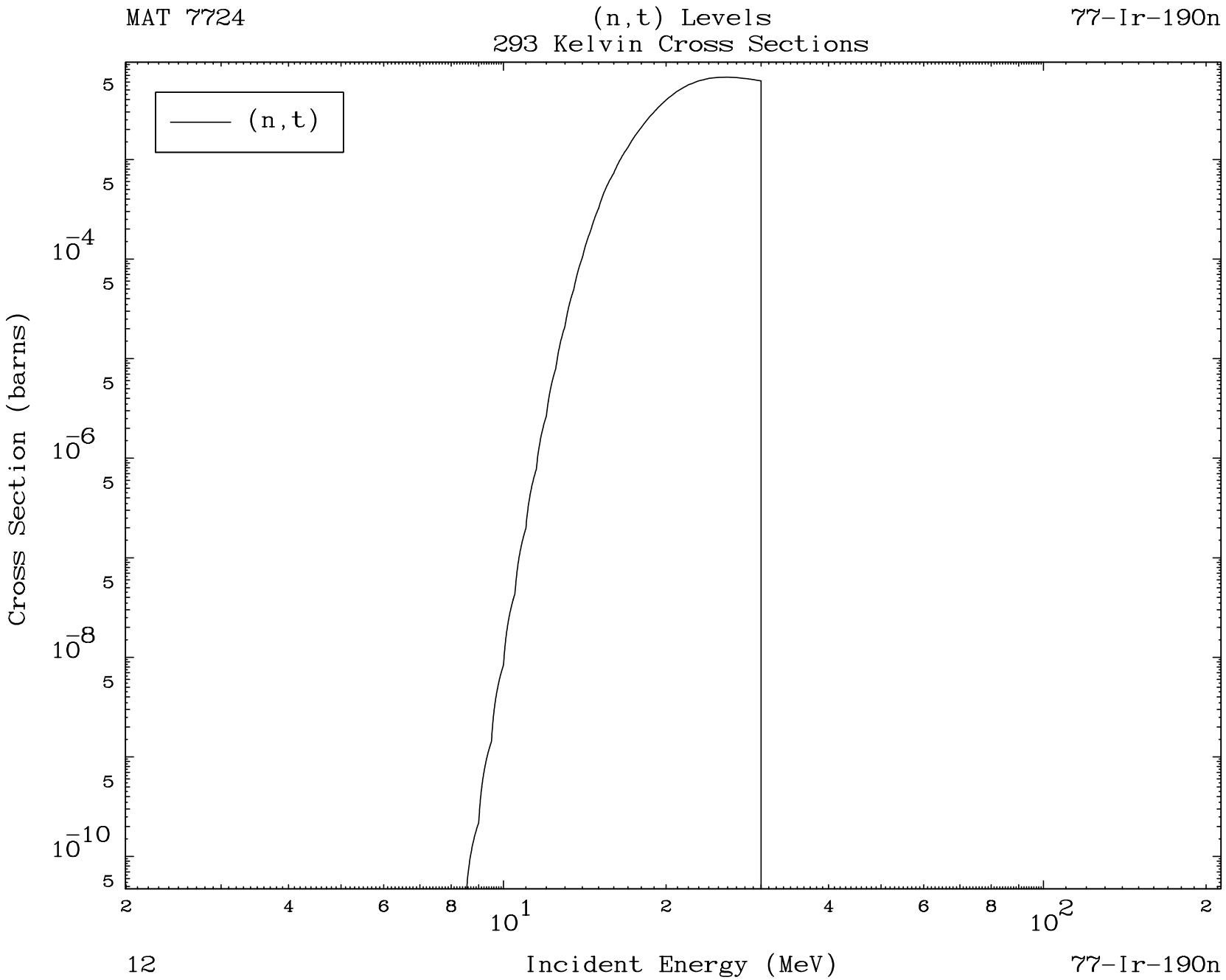

MAT 7724
Particle Production
293 Kelvin Cross Sections
77-Ir-190n
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
7
77-Ir-190n

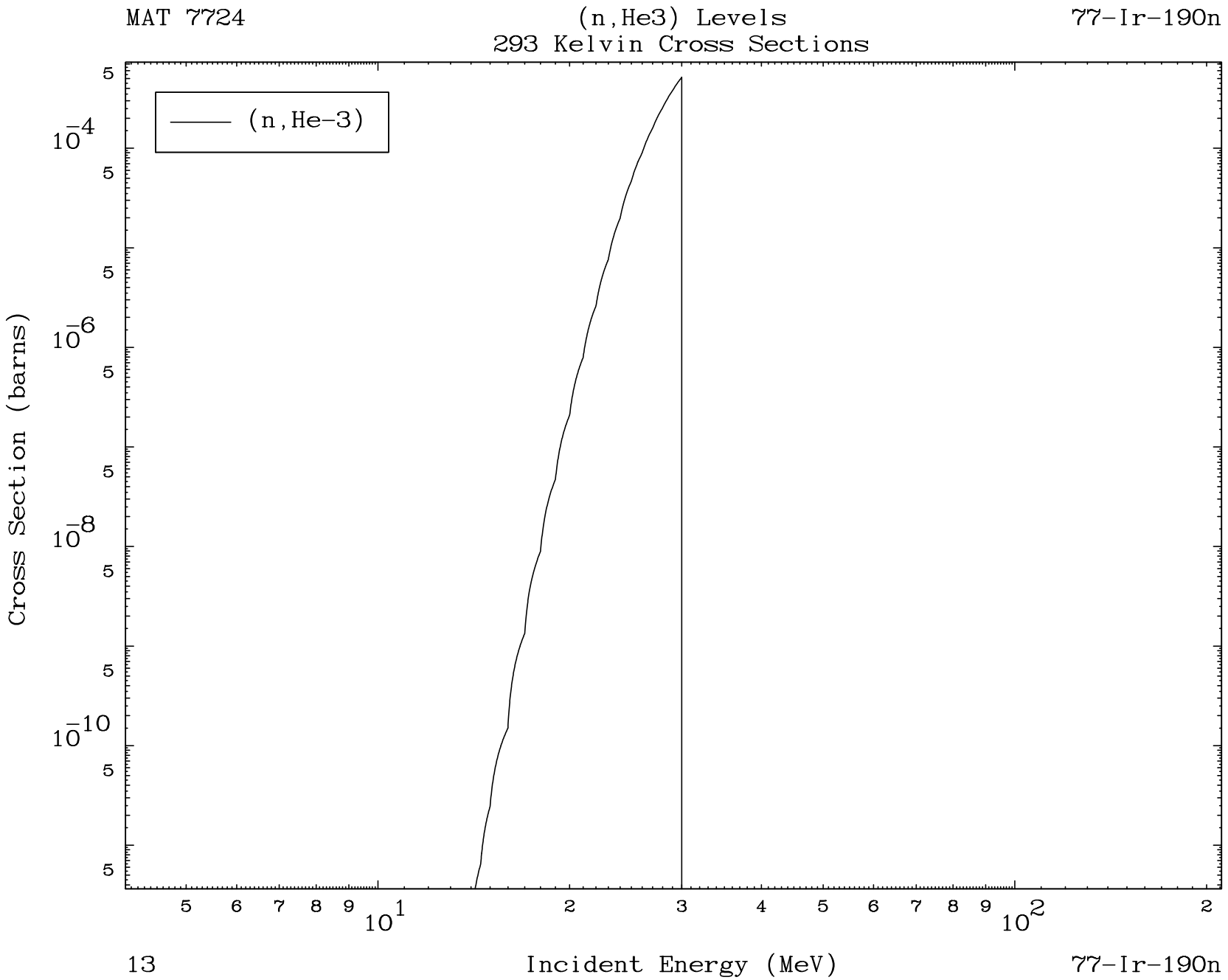

MAT 7724
(n,n') Levels
293 Kelvin Cross Sections
77-Ir-190n
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
10^-4
10^-3
10^-2
10^-1
10^0
10^1
10^2
Incident Energy (MeV)
8
77-Ir-190n

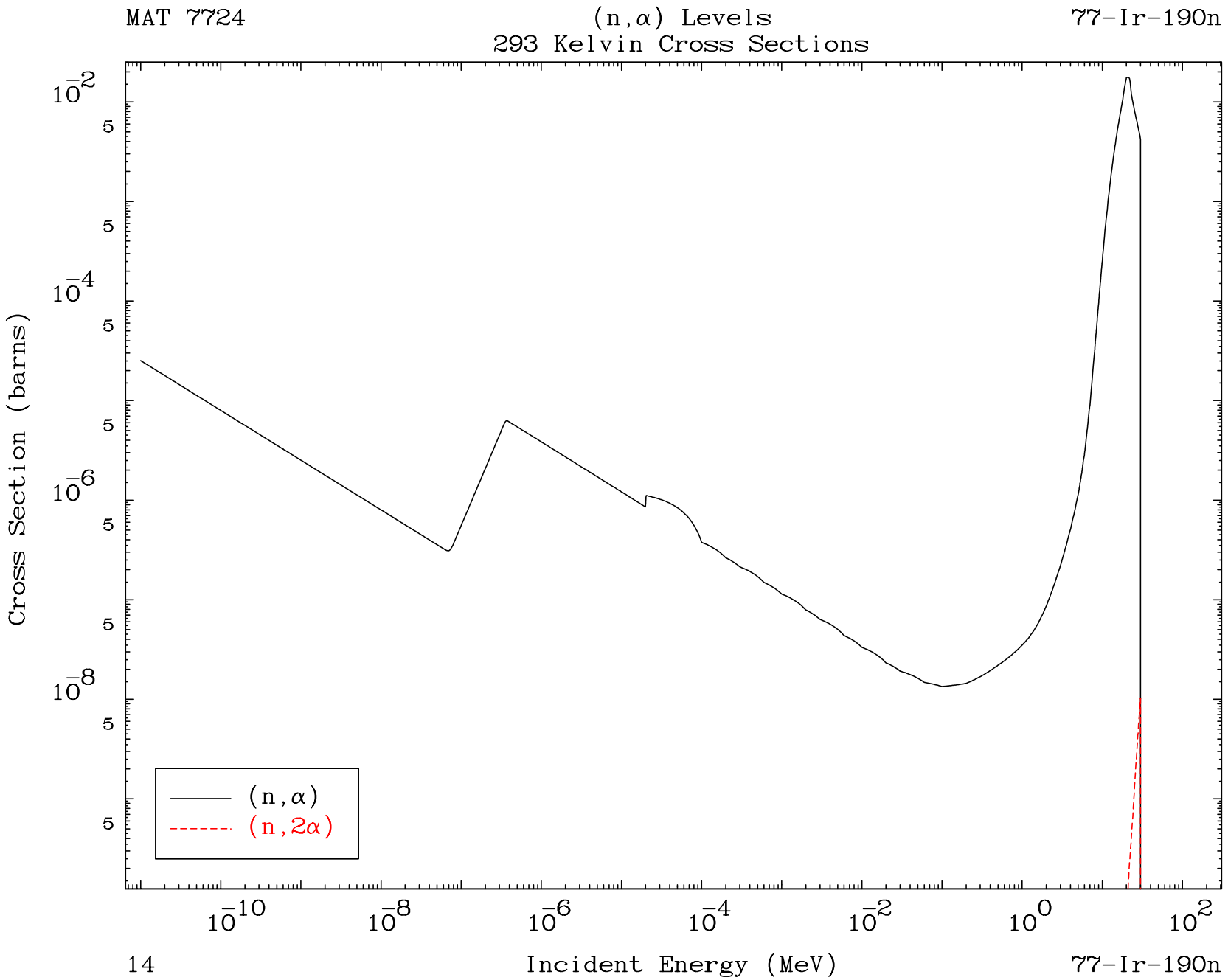

MAT 7724
(n,n') Levels
293 Kelvin Cross Sections
77-Ir-190n
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
9
77-Ir-190n

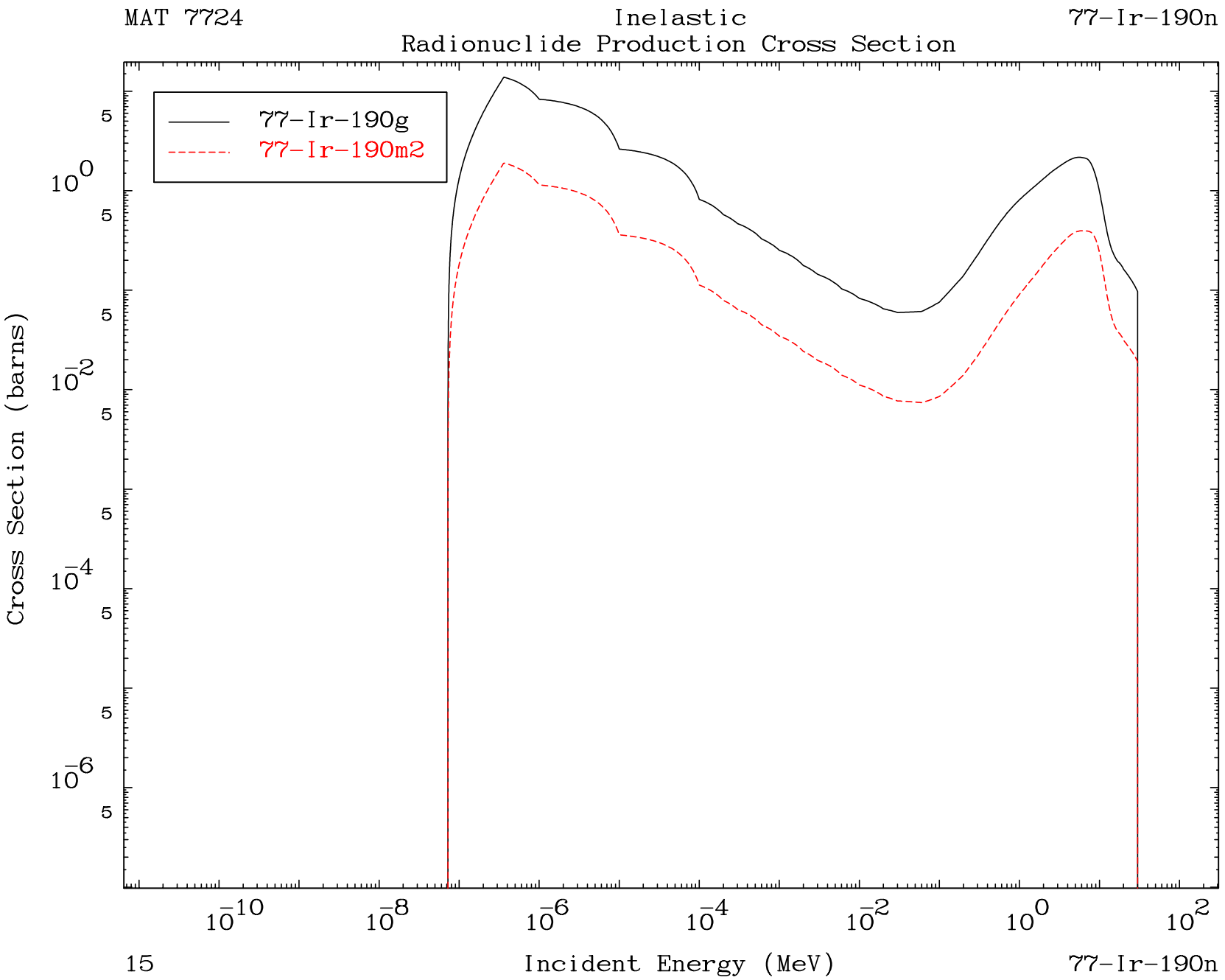

MAT 7724
(n,p) Levels
77-Ir-190n
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-190n
10

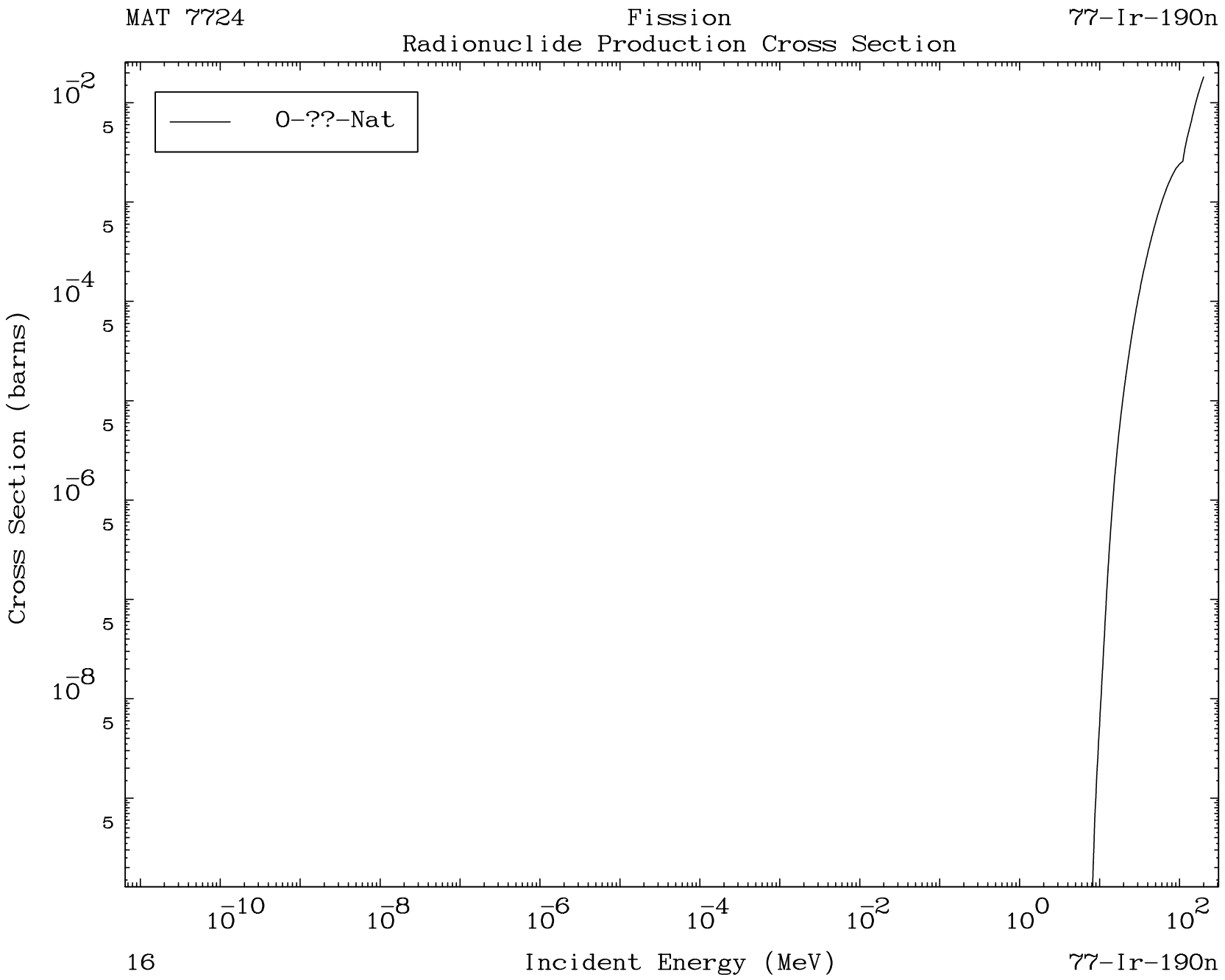

MAT 7724
(n,d) Levels
77-Ir-190n
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
77-Ir-190n

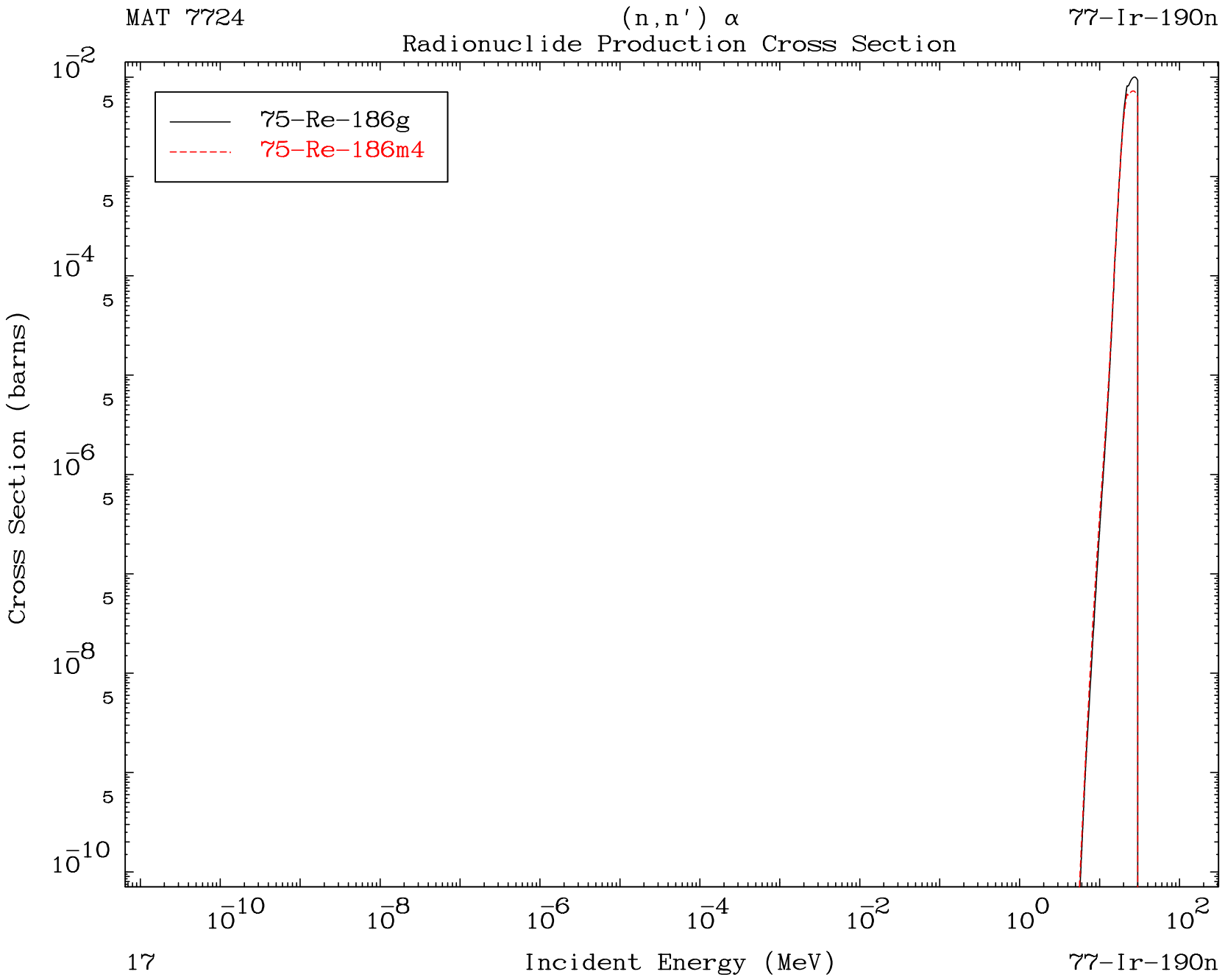

MAT 7724
(n,t) Levels
77-Ir-190n
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
77-Ir-190n

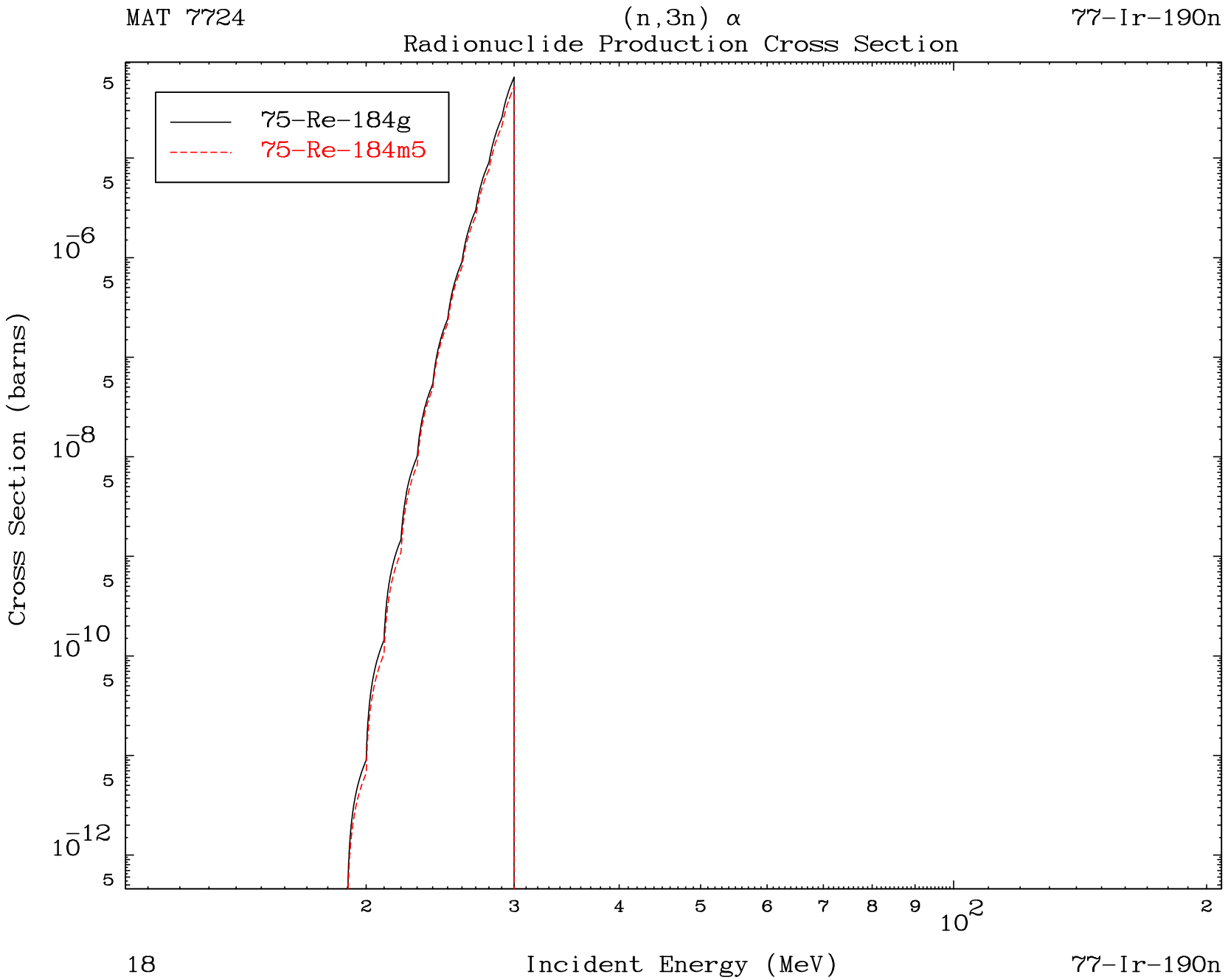

MAT 7724
(n,He3) Levels
77-Ir-190n
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
13
77-Ir-190n

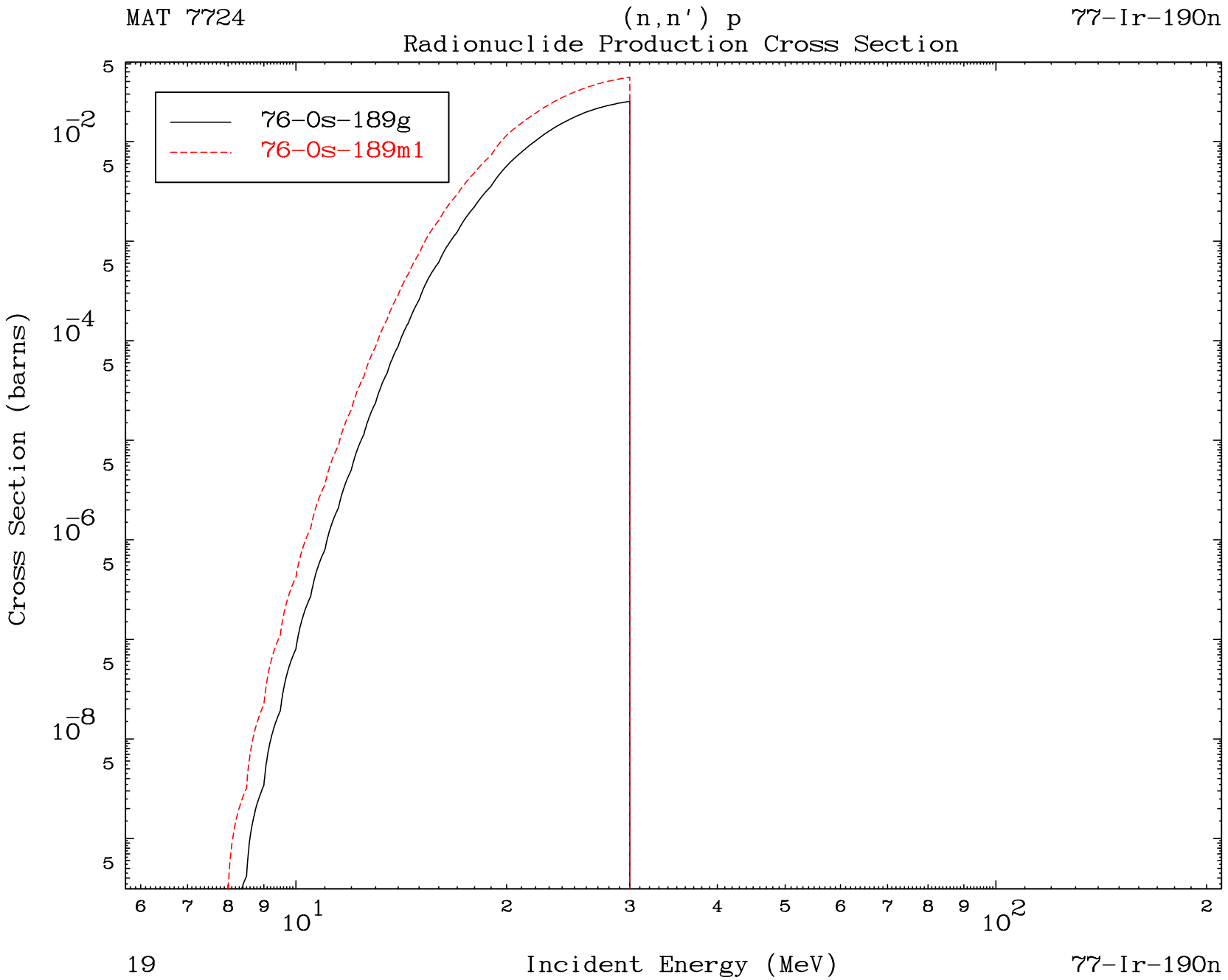

MAT 7724
(n,α) Levels
77-Ir-190n
293 Kelvin Cross Sections
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
(n,α)
(n,2α)
10-10
10-8
10-6
10-4
10-2
100
102
14
Incident Energy (MeV)
77-Ir-190n

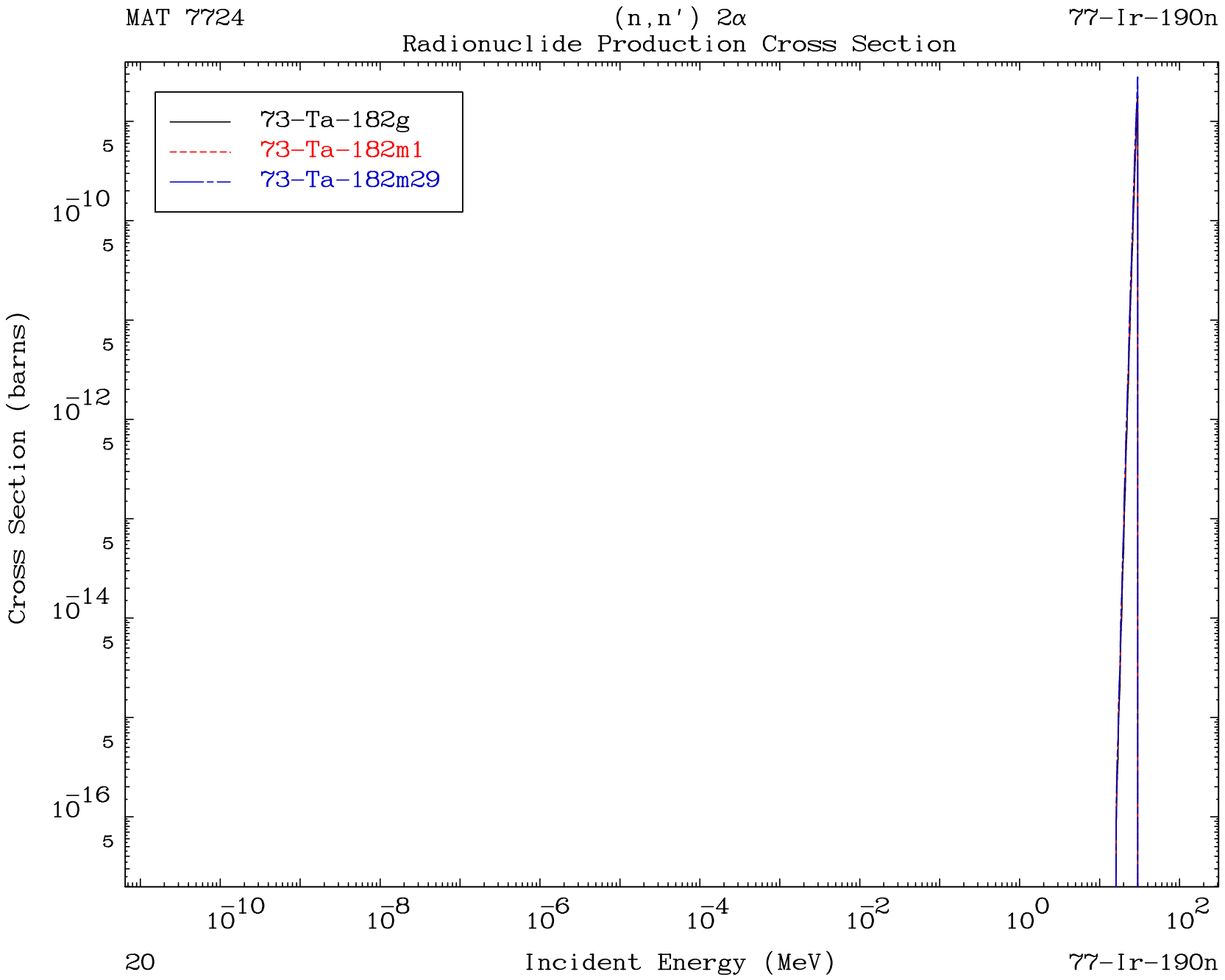

MAT 7724
Inelastic
77-Ir-190n
Radionuclide Production Cross Section
77-Ir-190g
77-Ir-190m2
Cross Section (barns)
Incident Energy (MeV)
15
77-Ir-190n

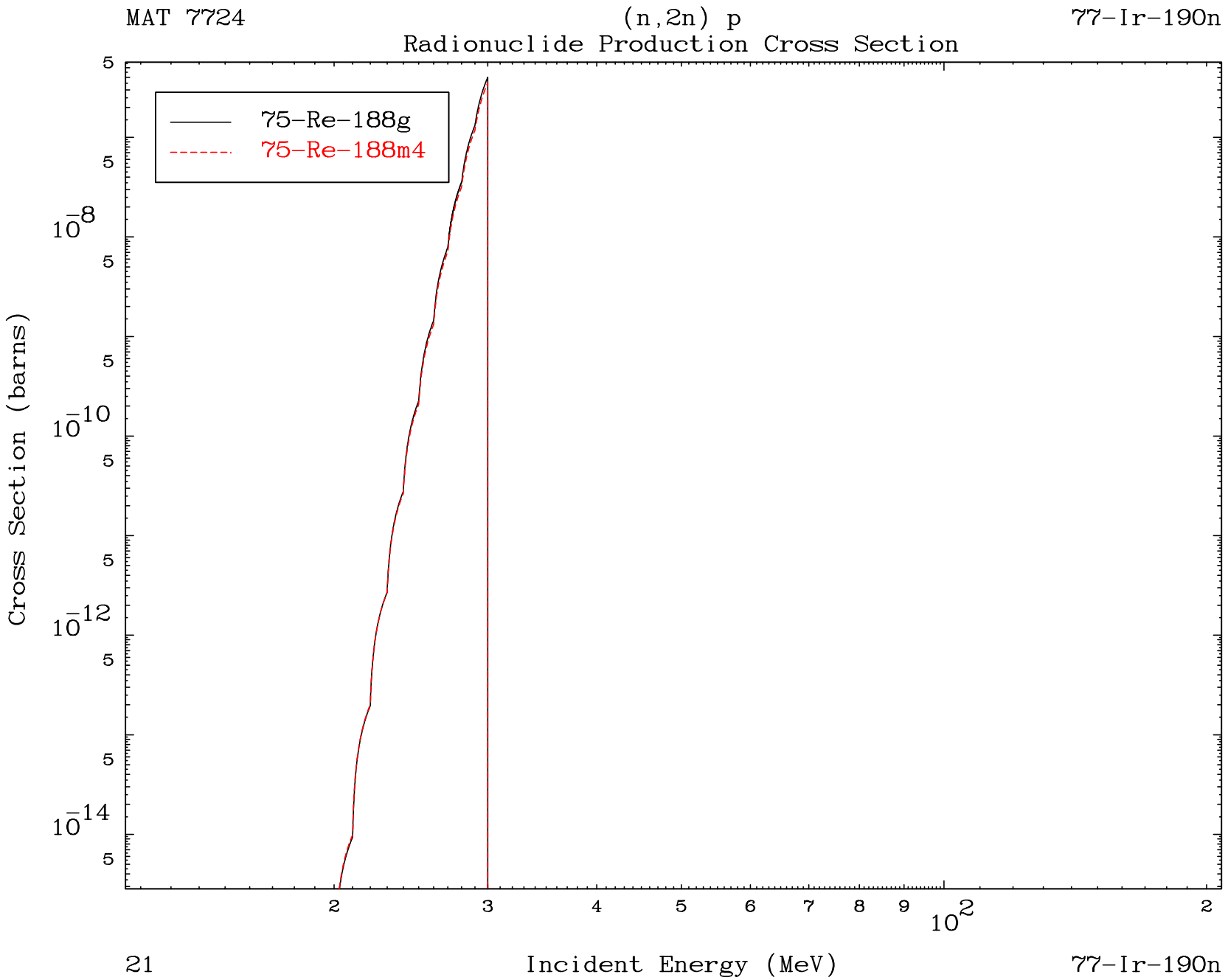

MAT 7724
Fission
77-Ir-190n
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
16
77-Ir-190n

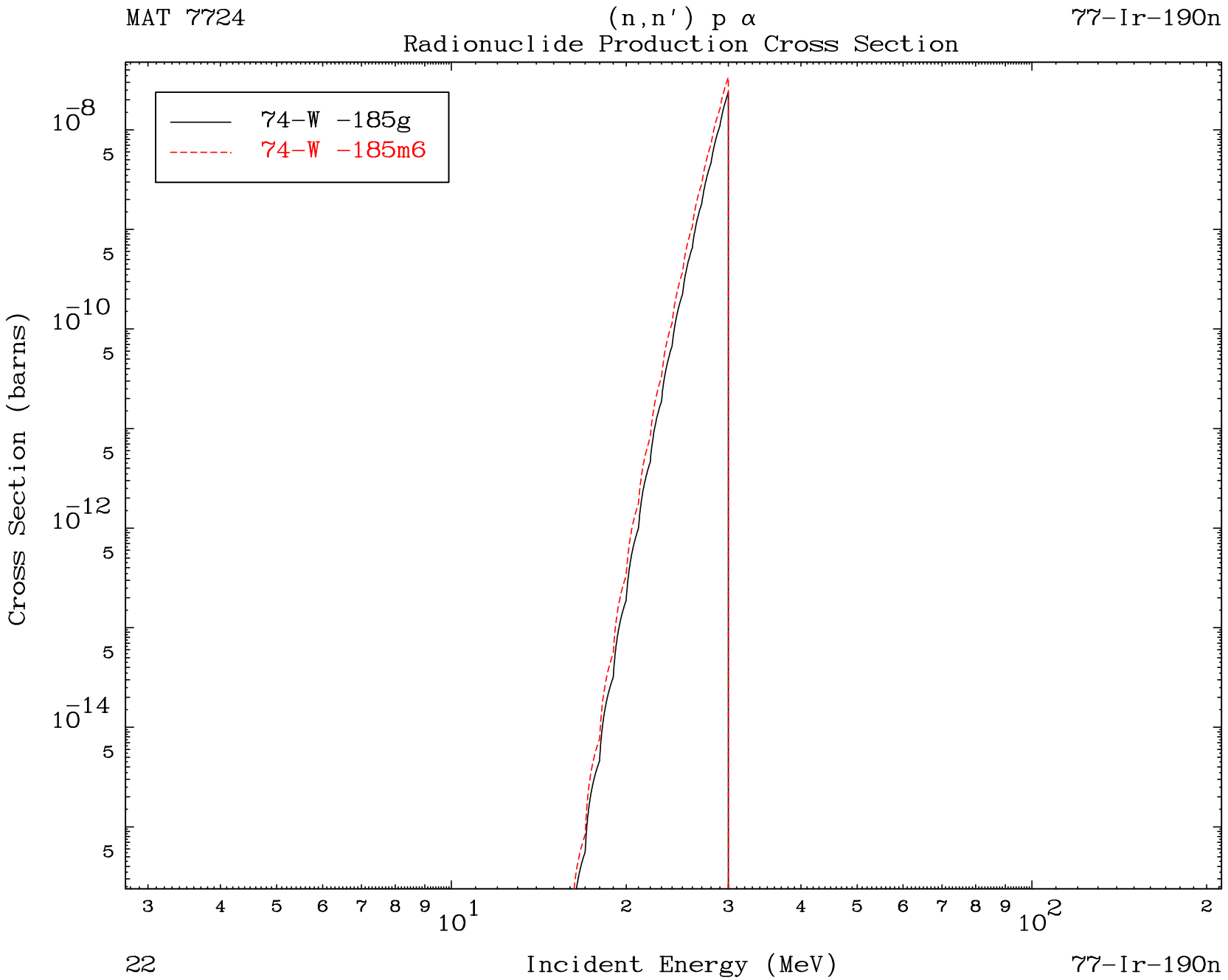

MAT 7724
(n,n') α
77-Ir-190n
Radionuclide Production Cross Section
75-Re-186g
75-Re-186m4
Cross Section (barns)
Incident Energy (MeV)
17
77-Ir-190n

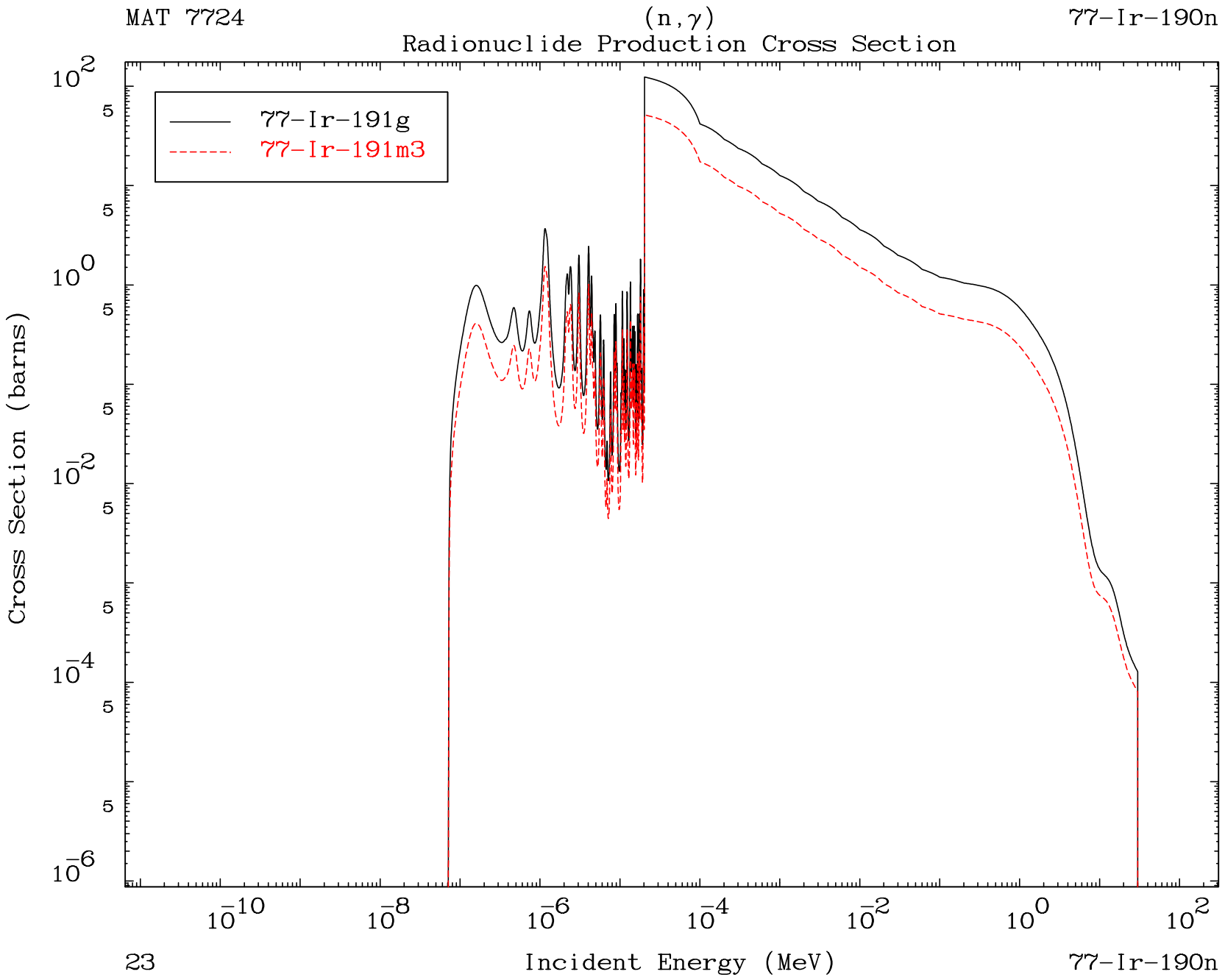

MAT 7724
(n,3n) α
77-Ir-190n
Radionuclide Production Cross Section
75-Re-184g
75-Re-184m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
18
Incident Energy (MeV)
77-Ir-190n

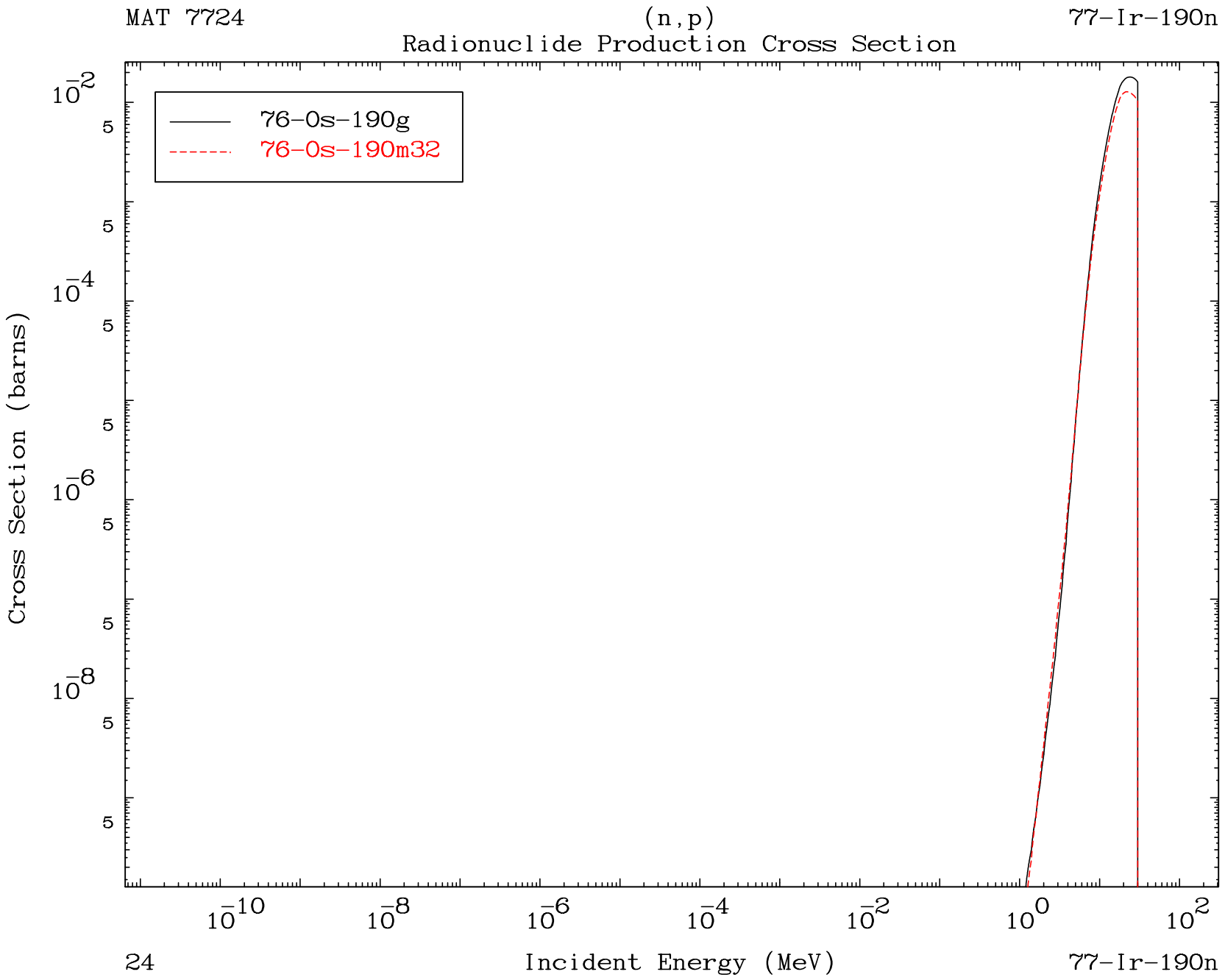

MAT 7724
(n,n') p
77-Ir-190n
Radionuclide Production Cross Section
76-Os-189g
76-Os-189m1
Cross Section (barns)
Incident Energy (MeV)
19
77-Ir-190n

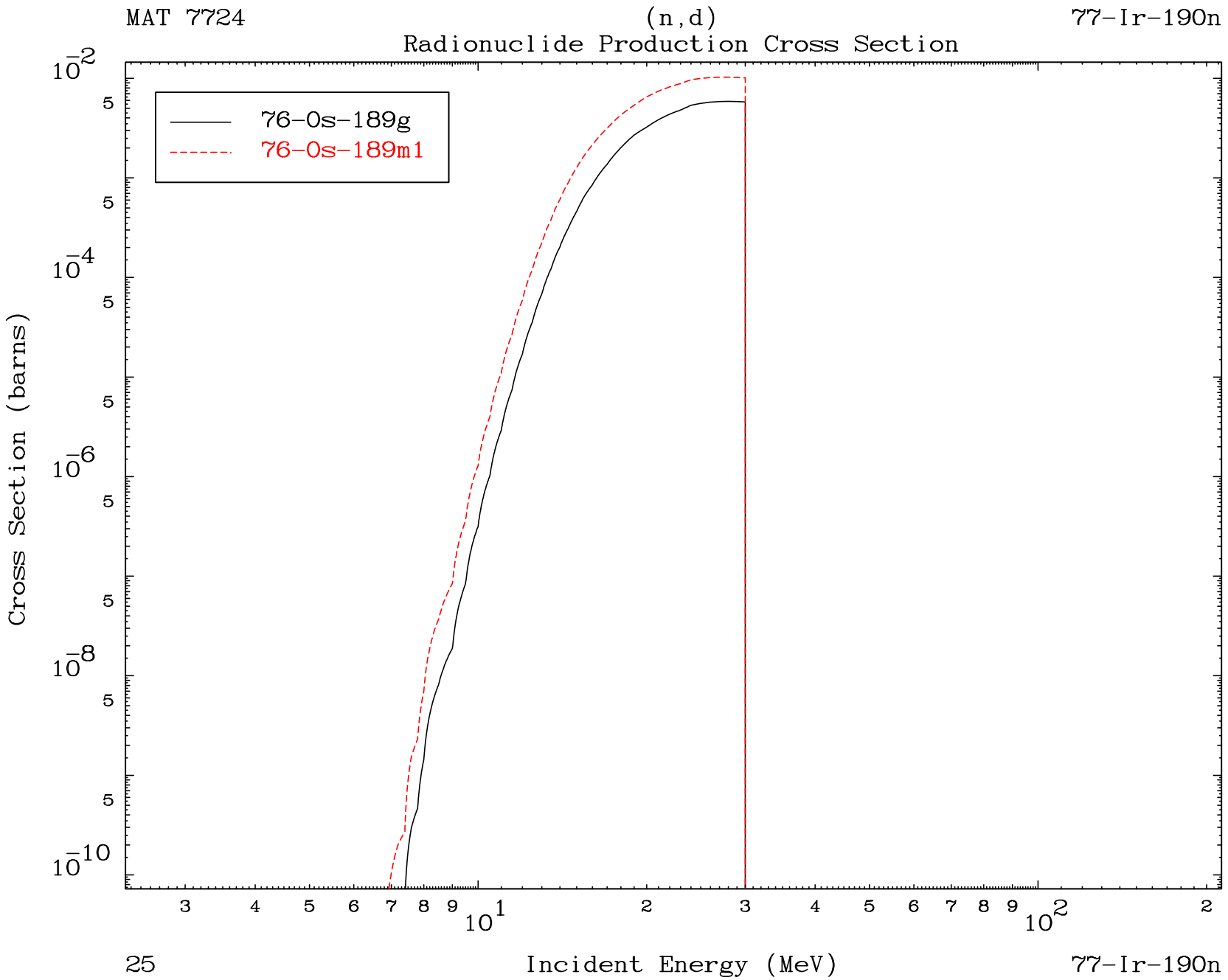

MAT 7724
(n,n') 2α
77-Ir-190n
Radionuclide Production Cross Section
73-Ta-182g
73-Ta-182m1
73-Ta-182m29
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
20
77-Ir-190n

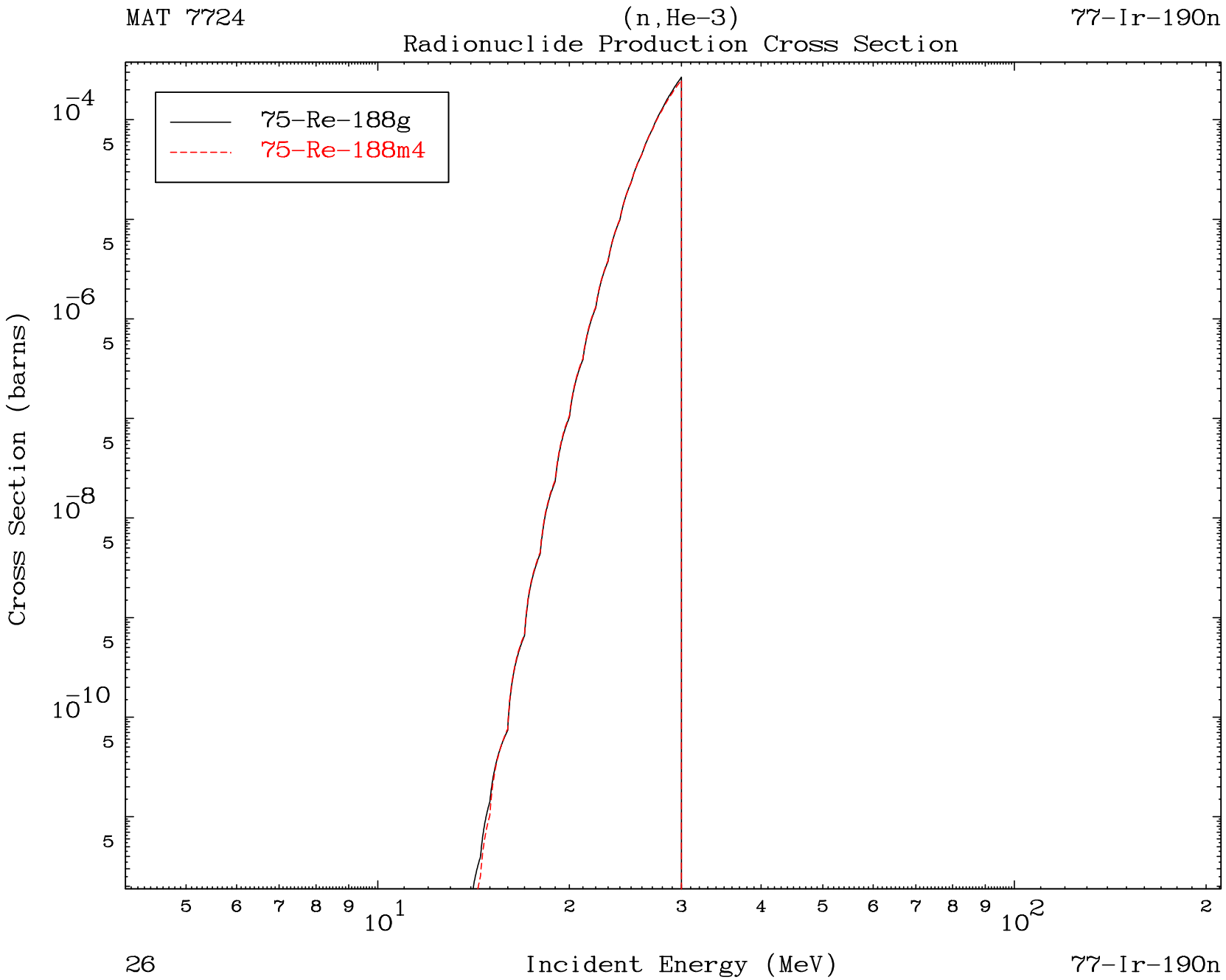

MAT 7724
(n,2n) p
77-Ir-190n
Radionuclide Production Cross Section
75-Re-188g
75-Re-188m4
Cross Section (barns)
Incident Energy (MeV)
21
77-Ir-190n

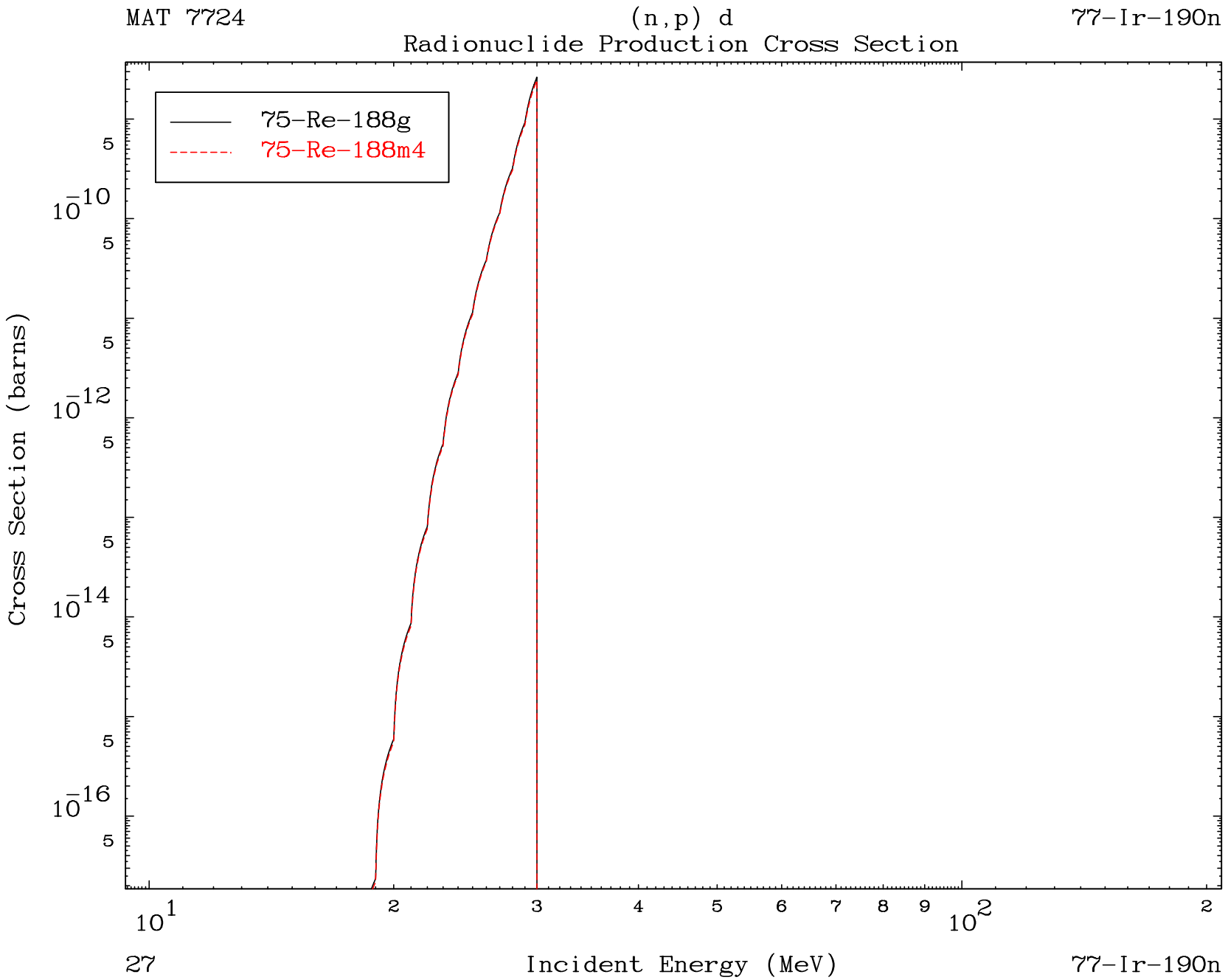

MAT 7724
(n,n') p α
77-Ir-190n
Radionuclide Production Cross Section
74-W -185g
74-W -185m6
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
22
Incident Energy (MeV)
77-Ir-190n

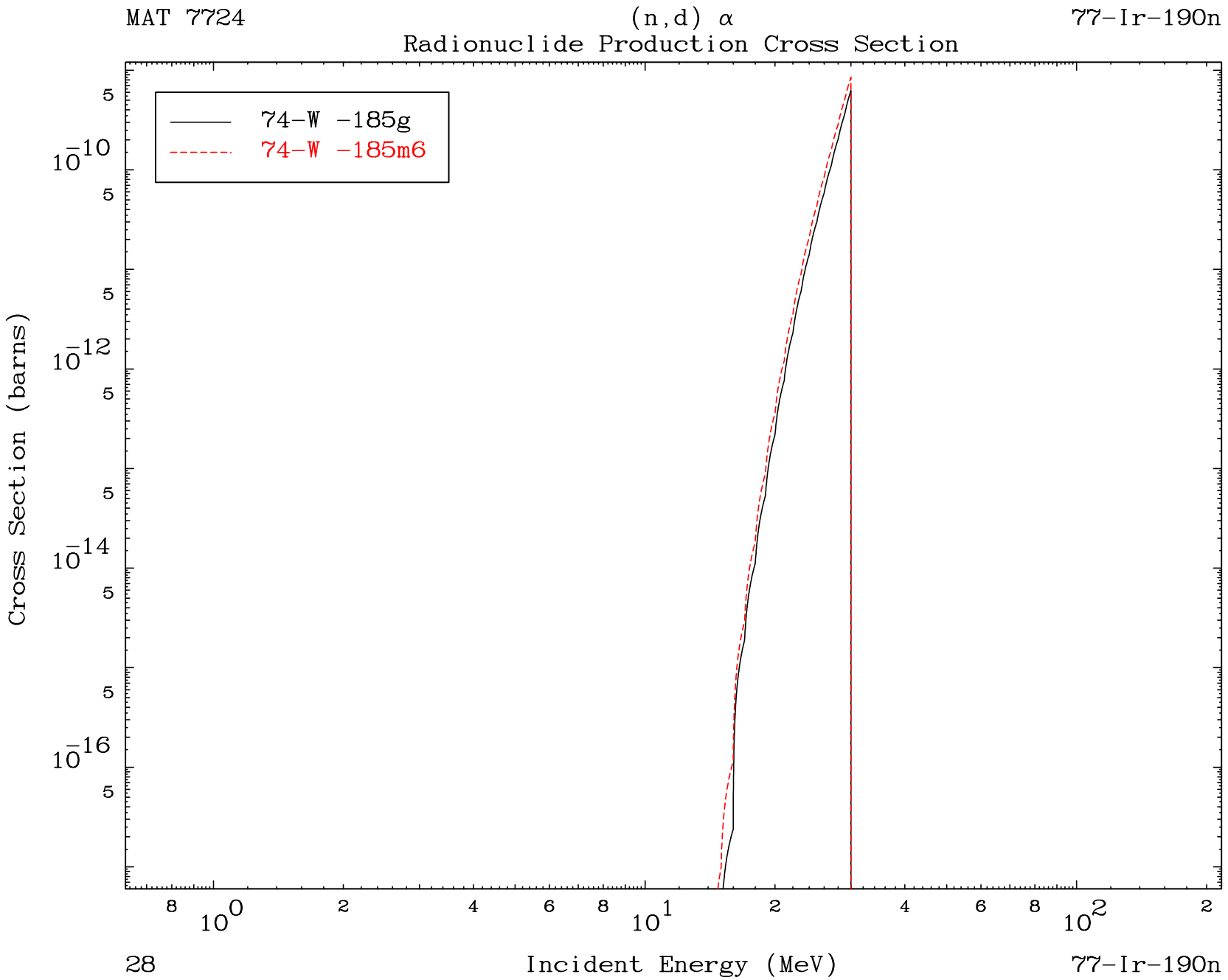

MAT 7724
(n,γ)
77-Ir-190n
Radionuclide Production Cross Section
77-Ir-191g
77-Ir-191m3
Cross Section (barns)
Incident Energy (MeV)
23
77-Ir-190n


MAT 7724
(n,p)
77-Ir-190n
Radionuclide Production Cross Section
76-Os-190g
76-Os-190m32
Cross Section (barns)
Incident Energy (MeV)
24
77-Ir-190n


MAT 7724
(n,d)
77-Ir-190n
Radionuclide Production Cross Section
76-Os-189g
76-Os-189m1
Cross Section (barns)
Incident Energy (MeV)
25
77-Ir-190n


MAT 7724
(n,He-3)
77-Ir-190n
Radionuclide Production Cross Section
75-Re-188g
75-Re-188m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
26
Incident Energy (MeV)
77-Ir-190n


MAT 7724
(n,p) d
77-Ir-190n
Radionuclide Production Cross Section
75-Re-188g
75-Re-188m4
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
10^1
2
3
4
5
6
7
8
9
10^2
2
27
Incident Energy (MeV)
77-Ir-190n


MAT 7724
(n,d) α
77-Ir-190n
Radionuclide Production Cross Section
74-W -185g
74-W -185m6
Cross Section (barns)
10-10
10-12
10-14
10-16
100
101
102
Incident Energy (MeV)
28
77-Ir-190n