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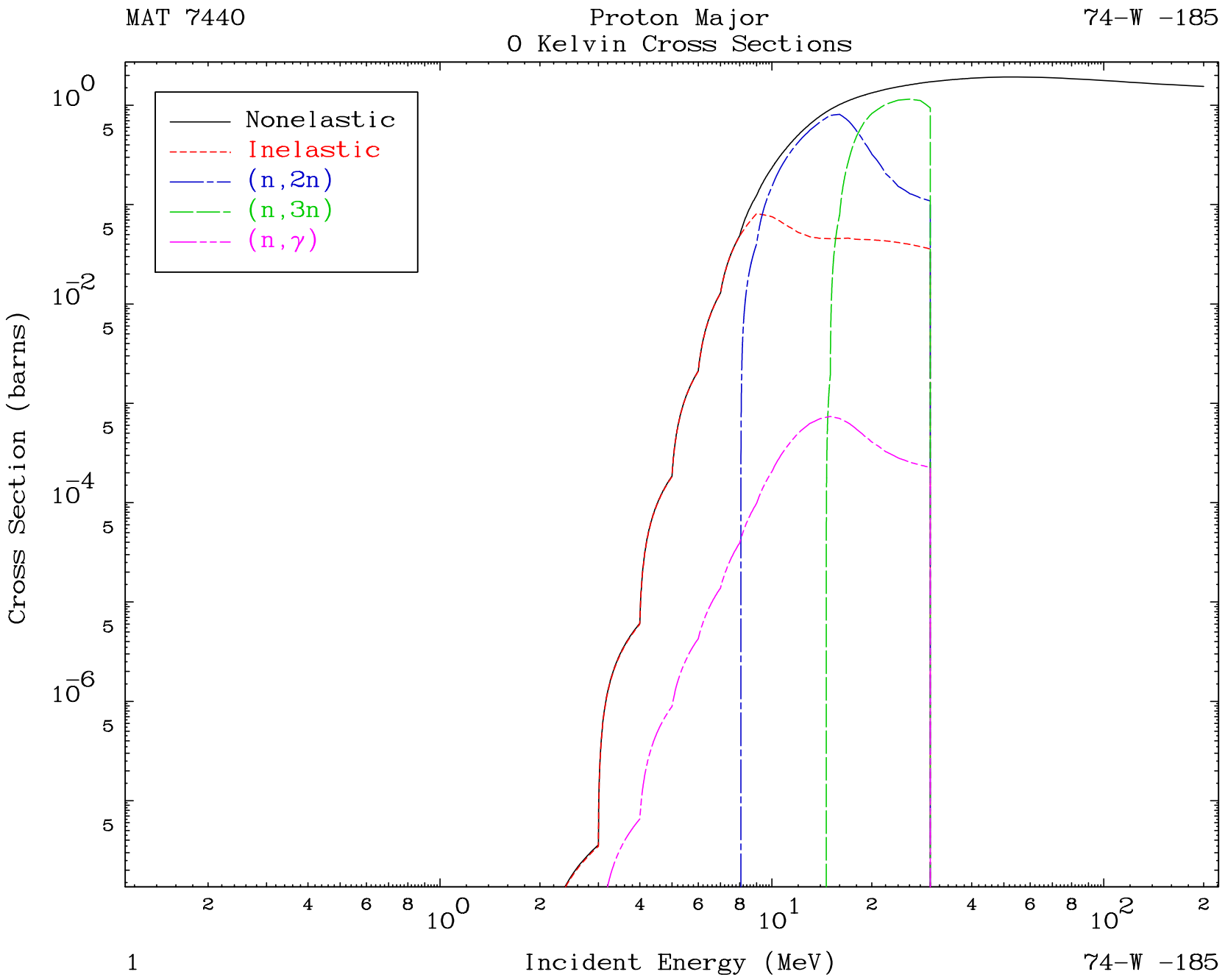
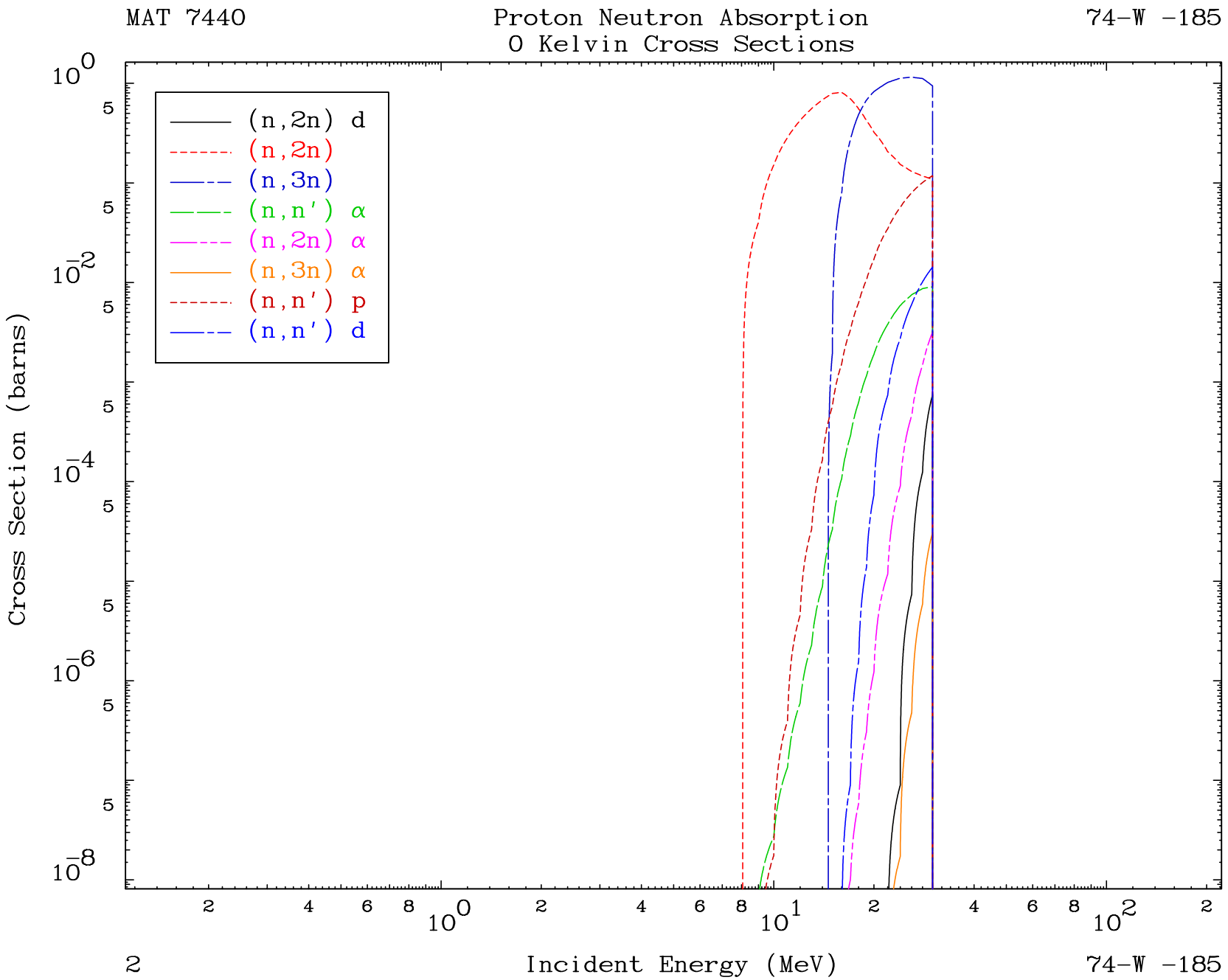
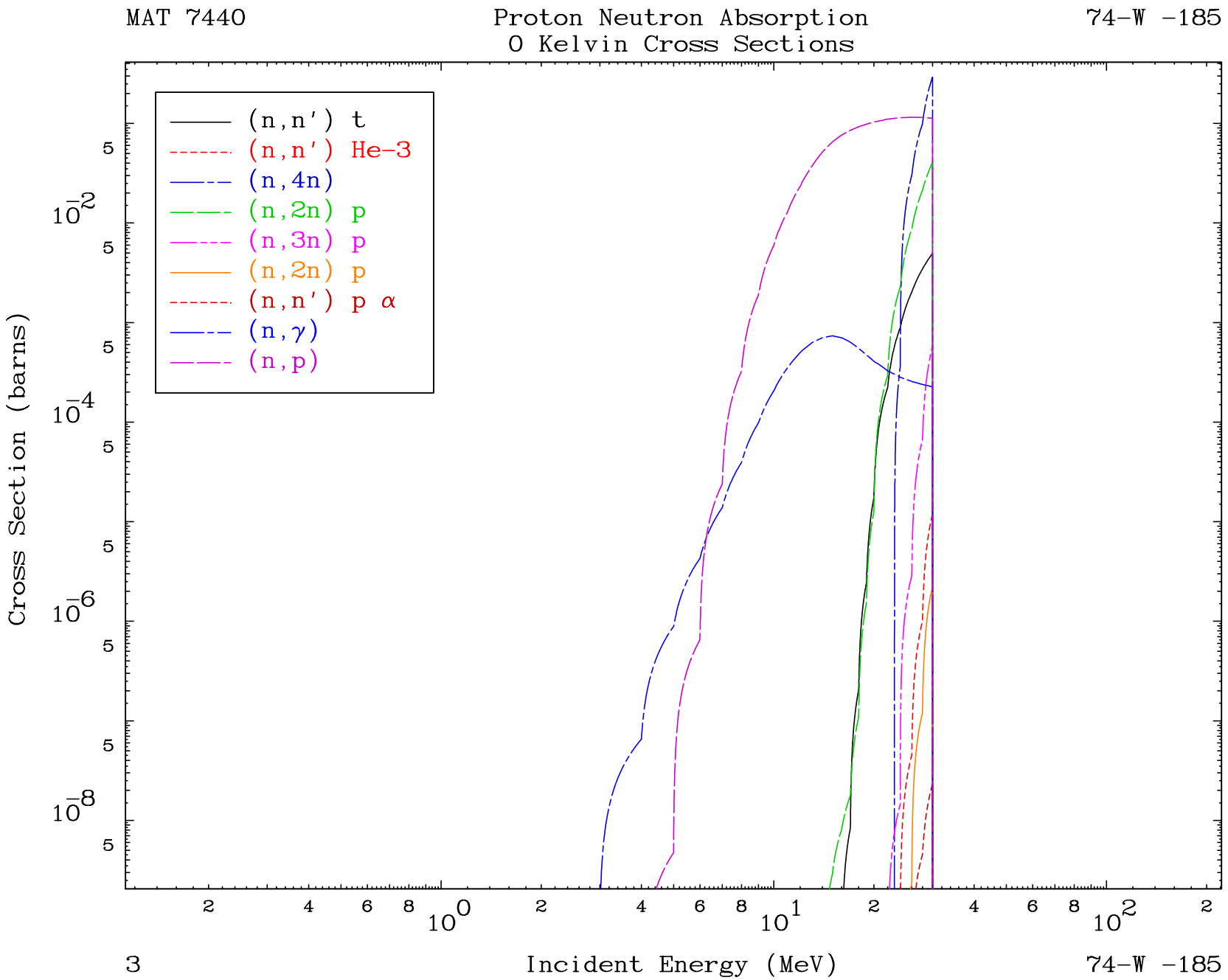
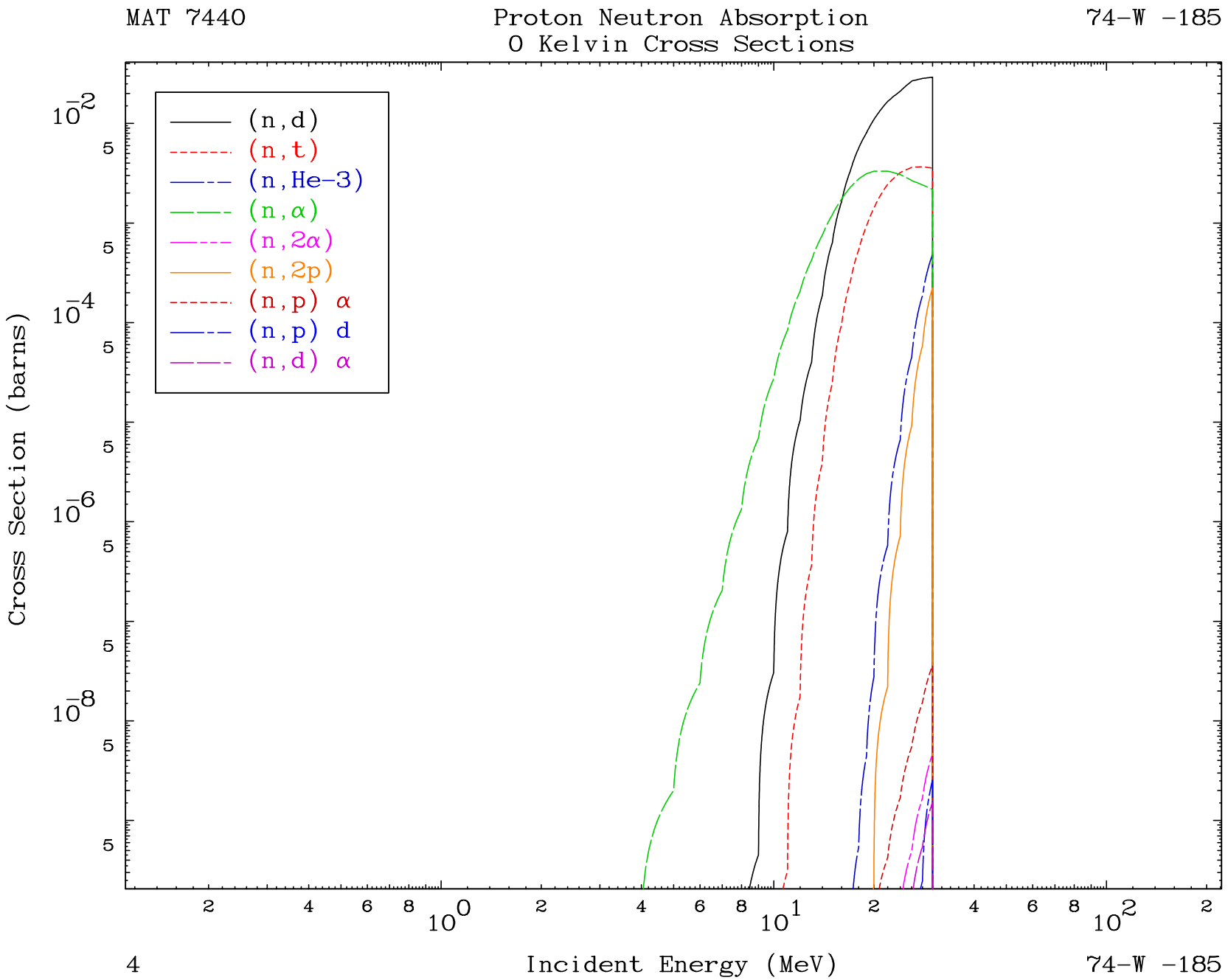
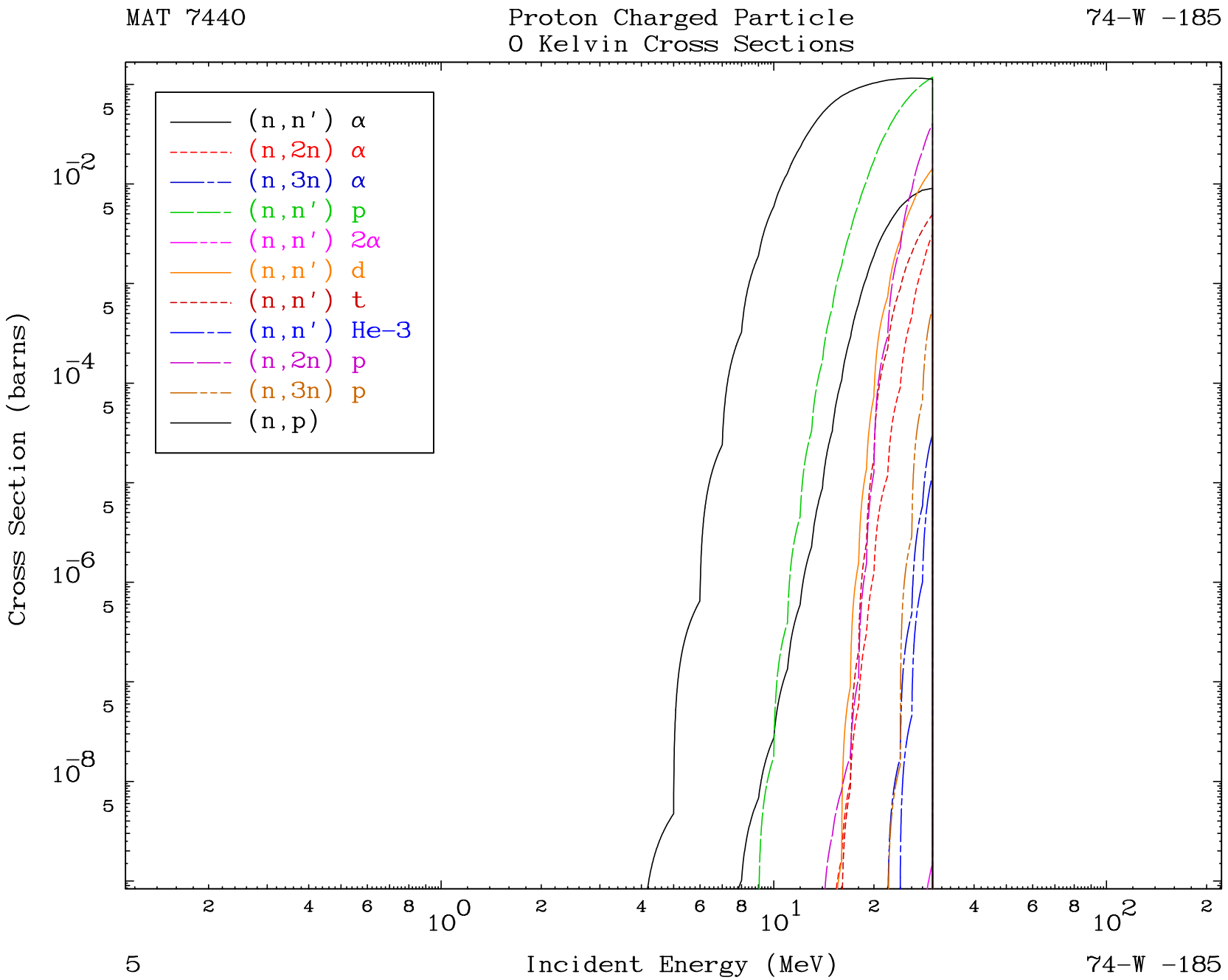
Press Mouse Button to Start

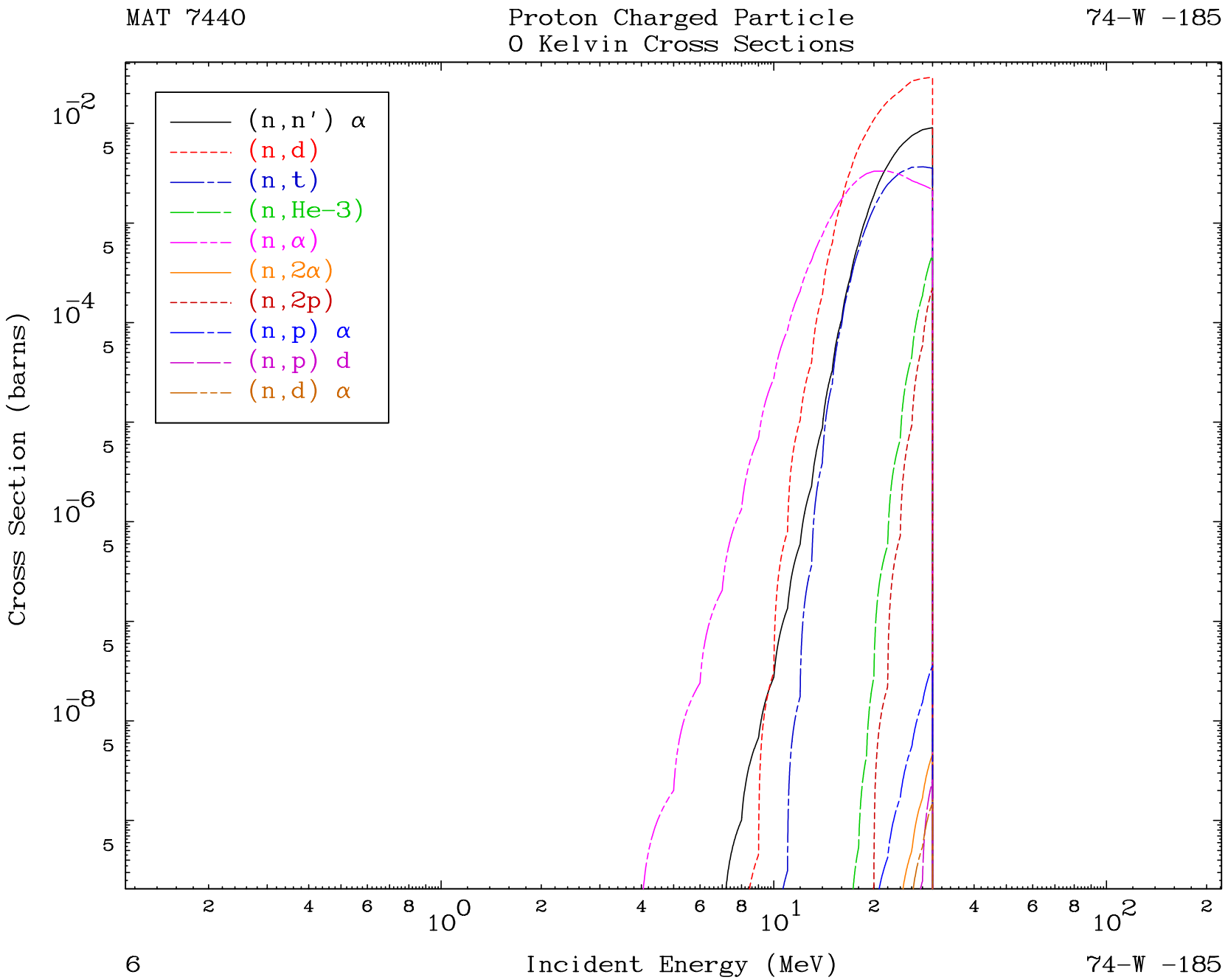

MAT 7440
Proton Major
74-W -185
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
74-W -185
1

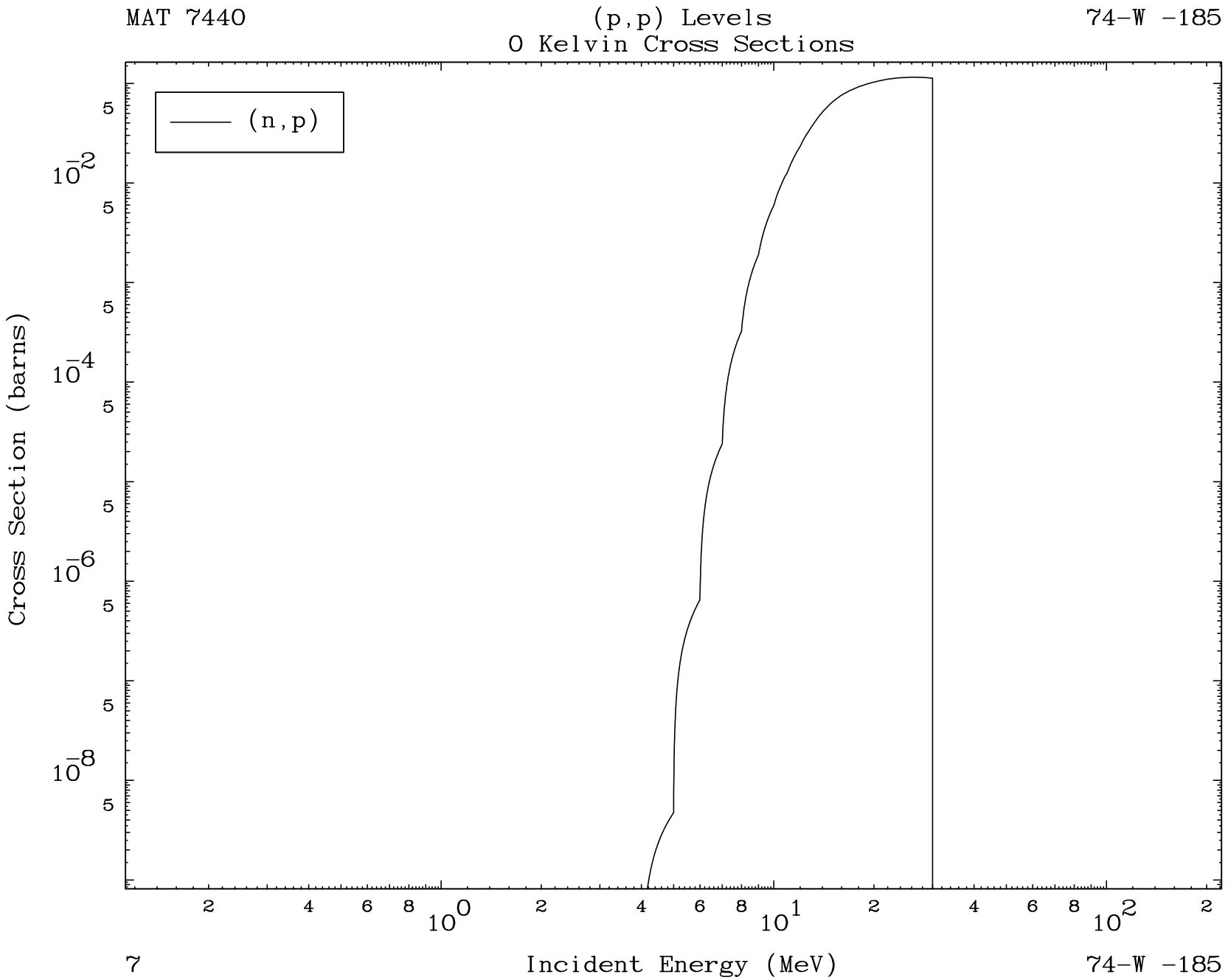

MAT 7440
Proton Neutron Absorption
0 Kelvin Cross Sections
74-W -185
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
74-W -185
2

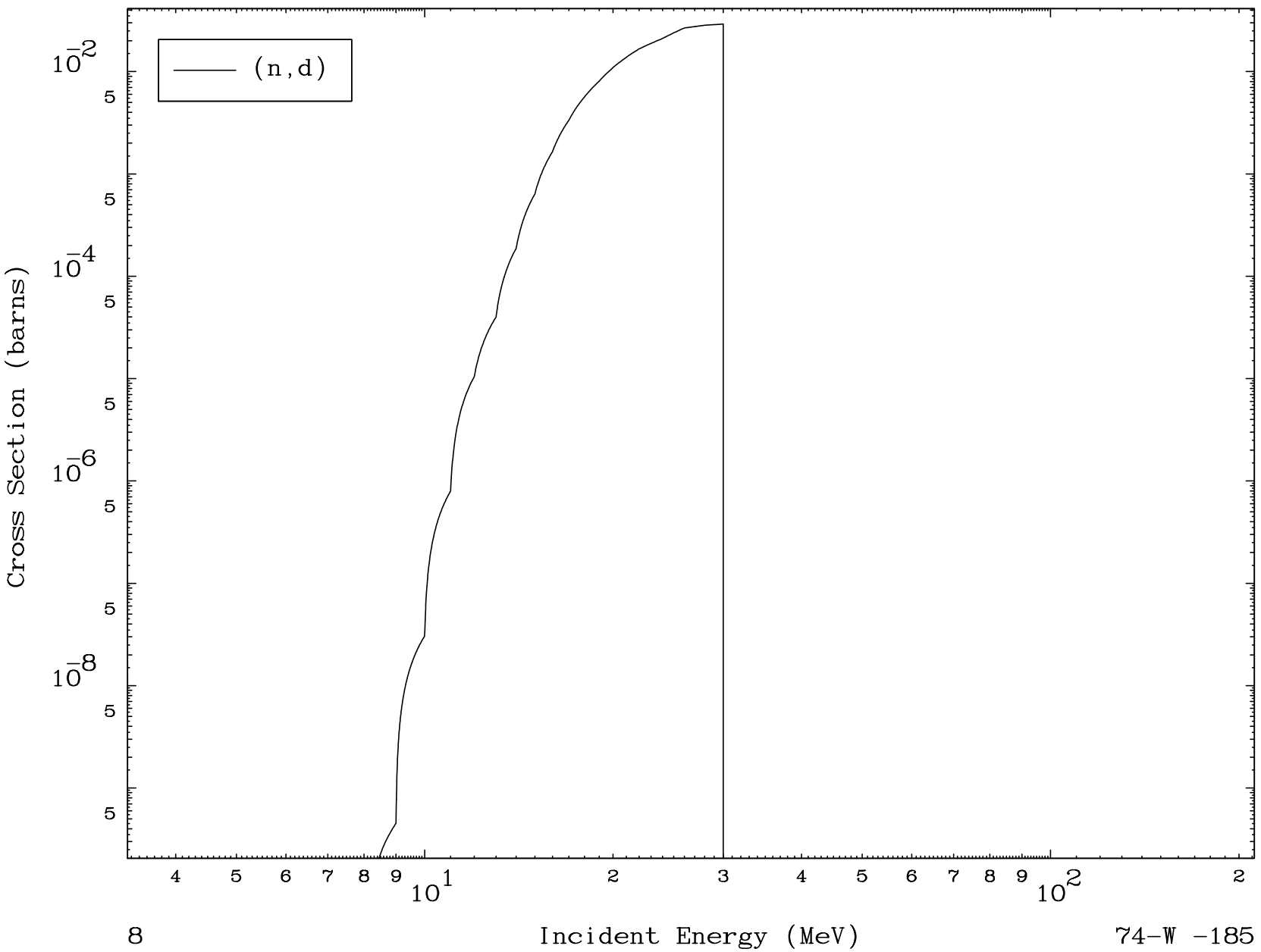

MAT 7440
Proton Neutron Absorption
0 Kelvin Cross Sections
74-W -185
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
74-W -185

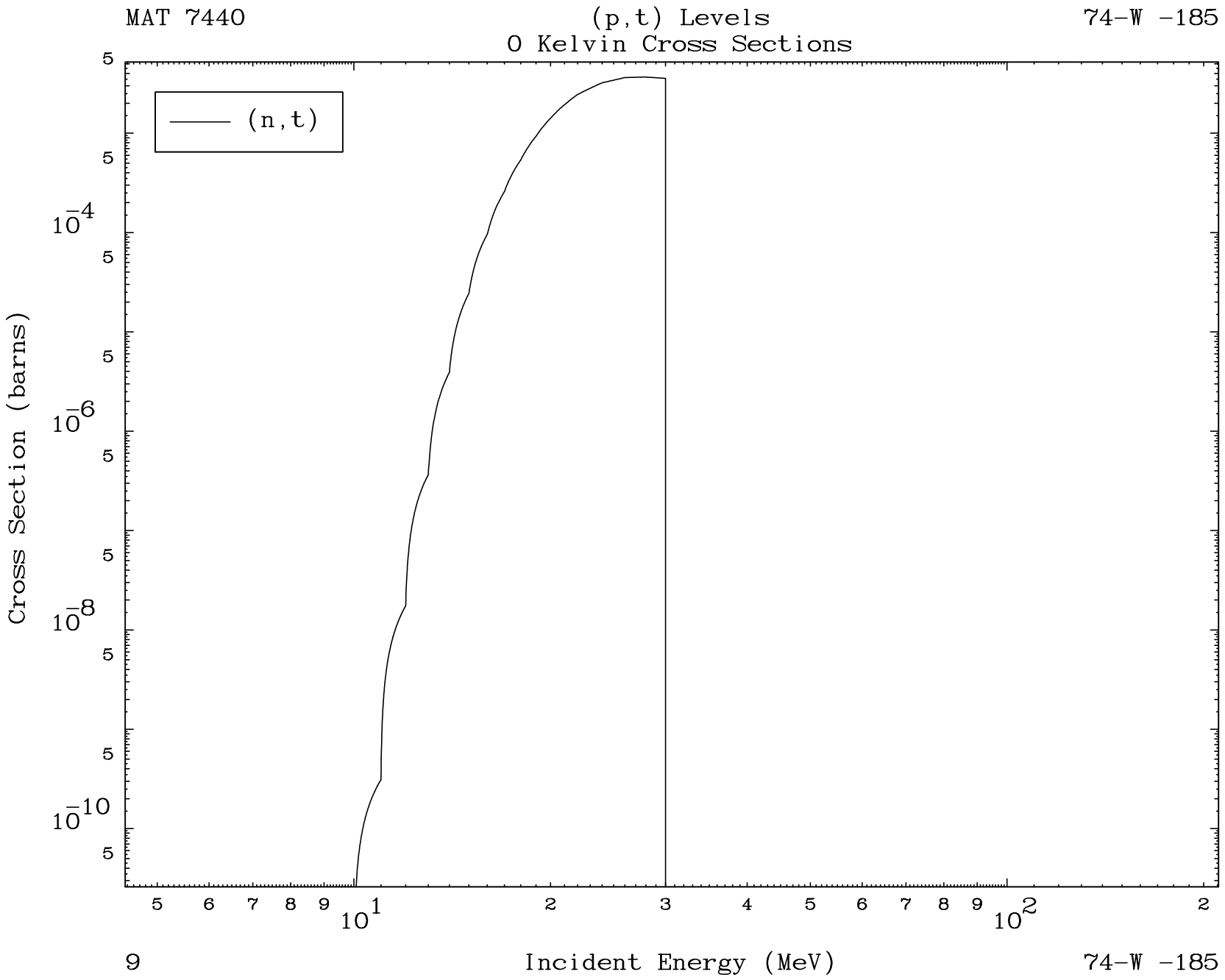

MAT 7440
Proton Neutron Absorption
0 Kelvin Cross Sections
74-W -185
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
74-W -185

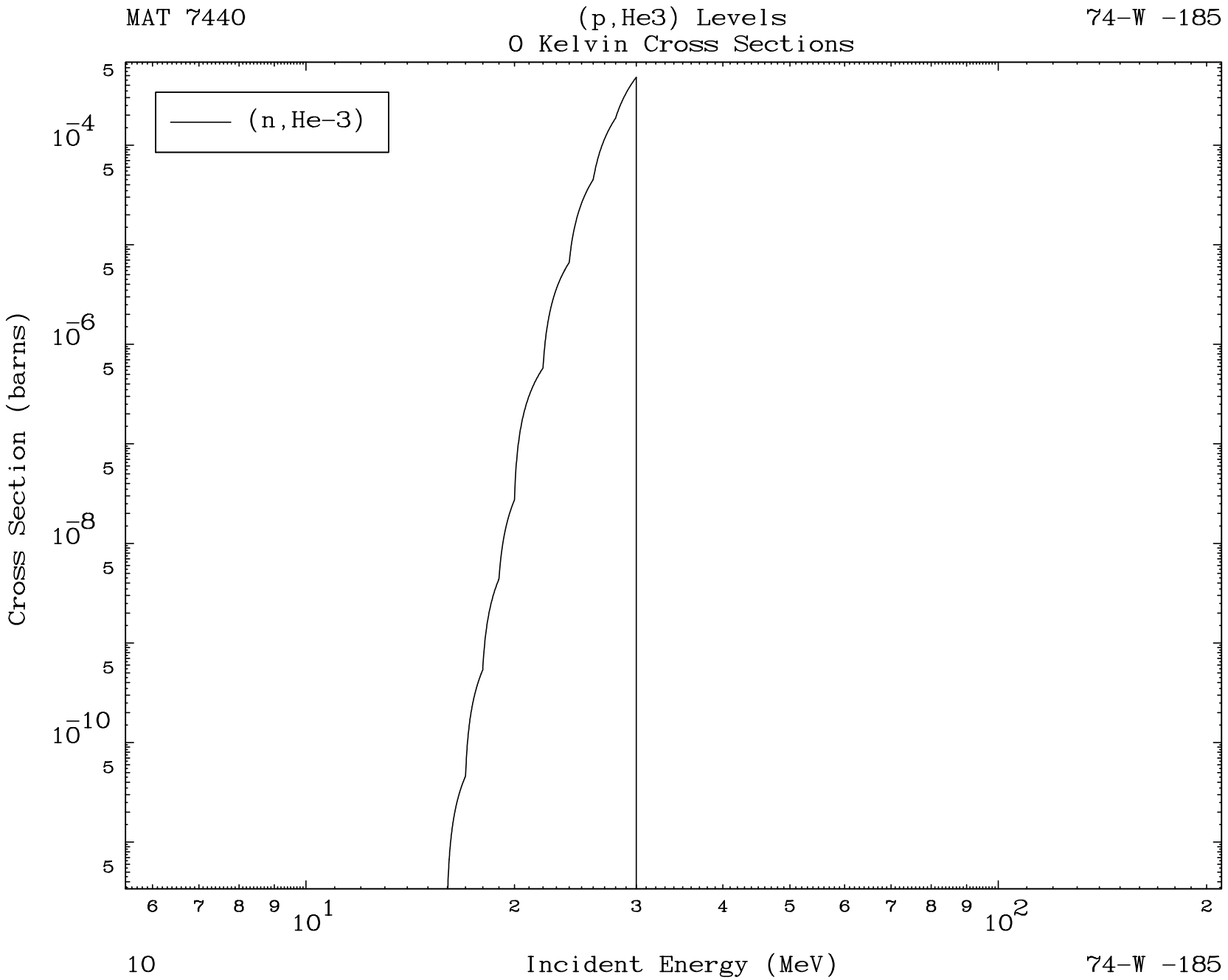

MAT 7440
Proton Charged Particle
0 Kelvin Cross Sections
74-W -185
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
5
74-W -185

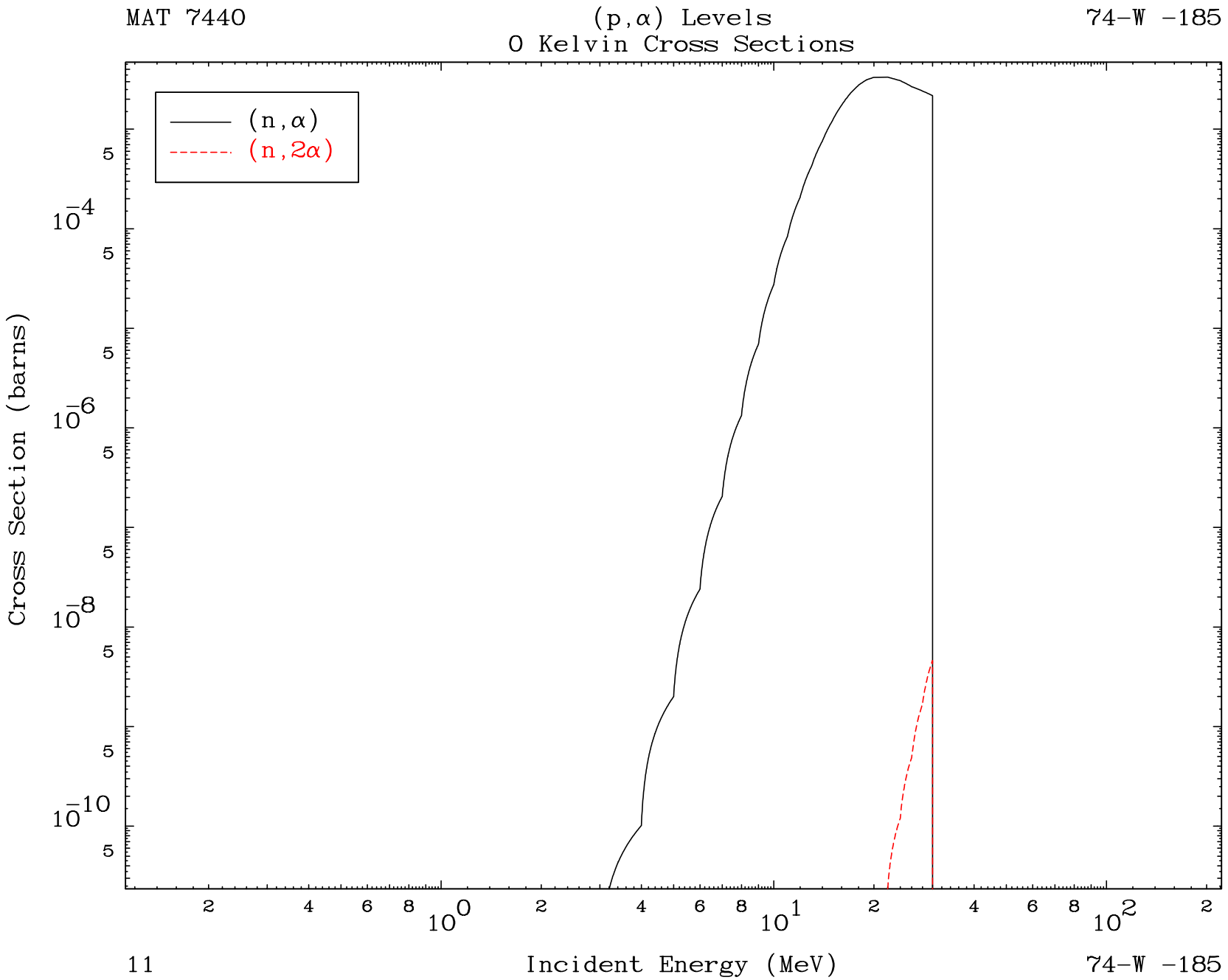

MAT 7440
Proton Charged Particle
0 Kelvin Cross Sections
74-W -185
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
74-W -185

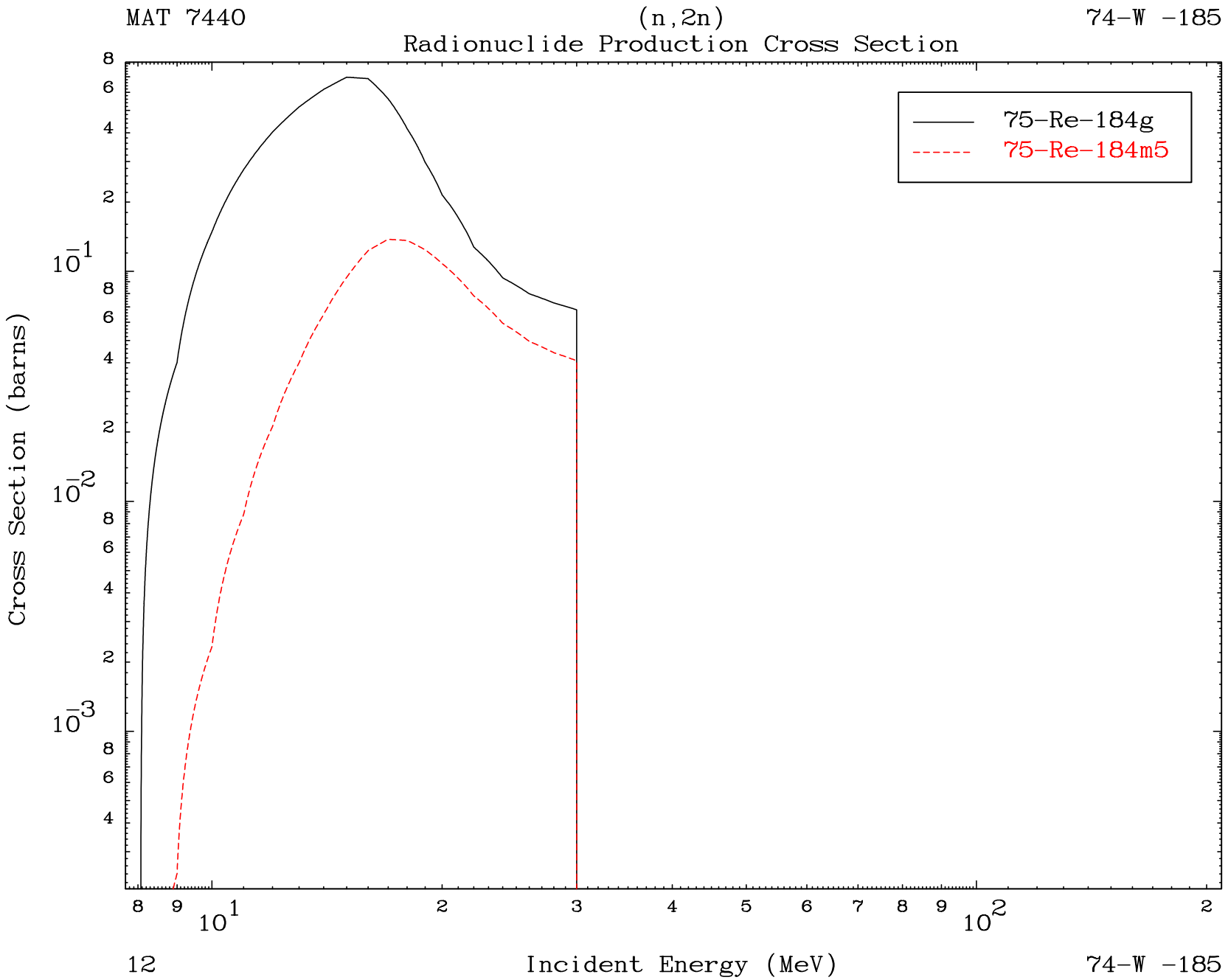

MAT 7440
(p,p) Levels
74-W -185
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
74-W -185

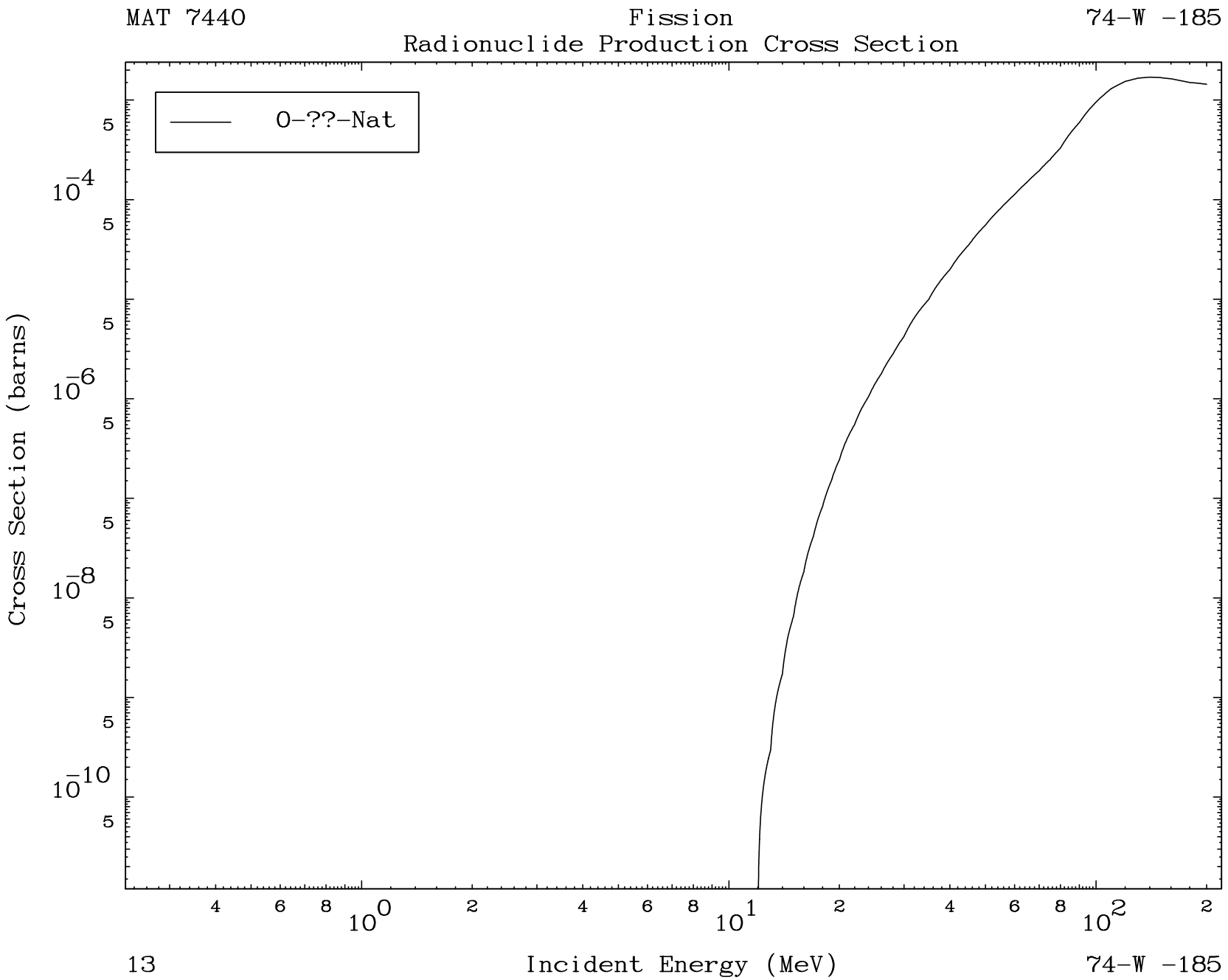

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

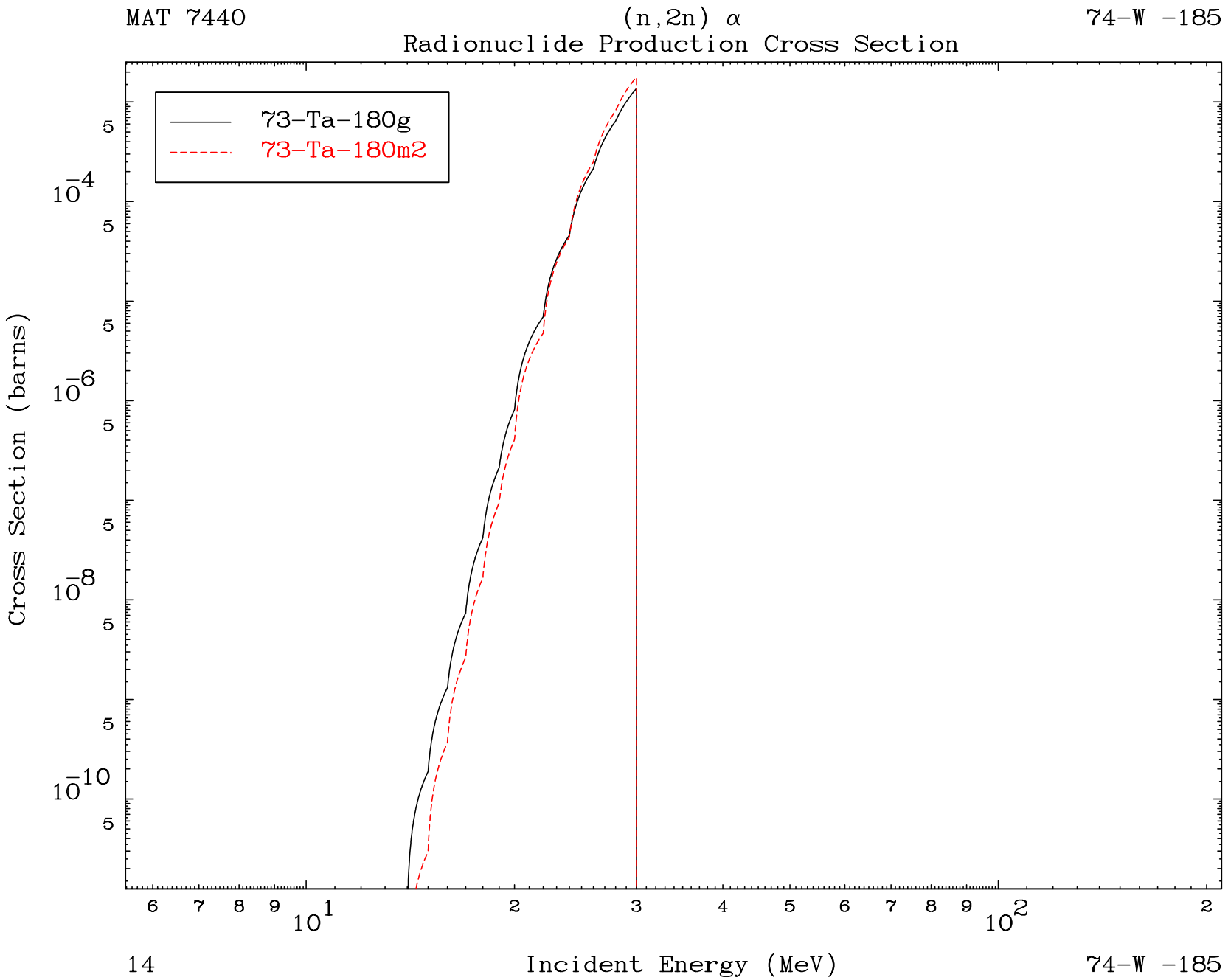

MAT 7440
(p,t) Levels
74-W -185
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
74-W -185

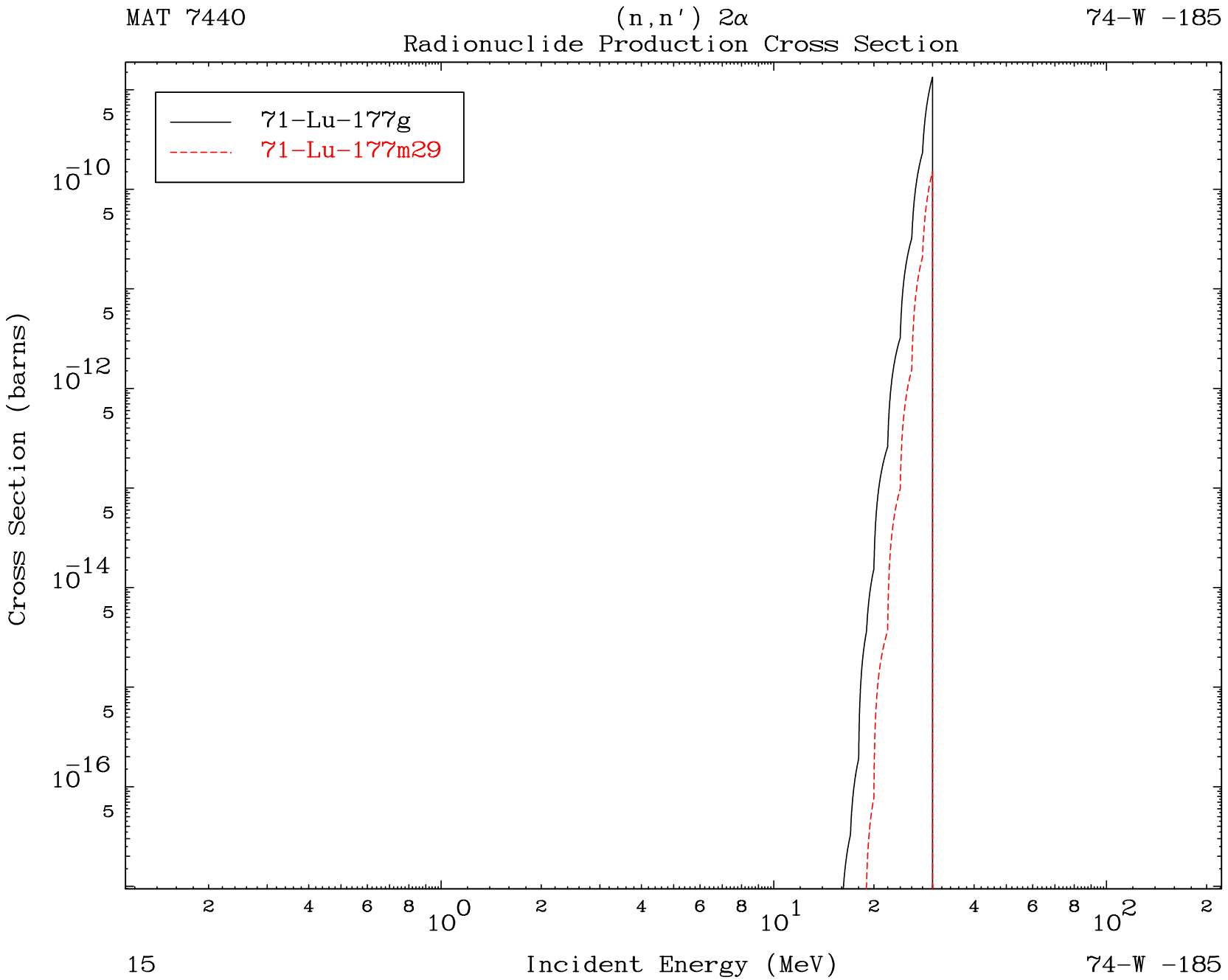

MAT 7440
(p,He3) Levels
74-W -185
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
74-W -185

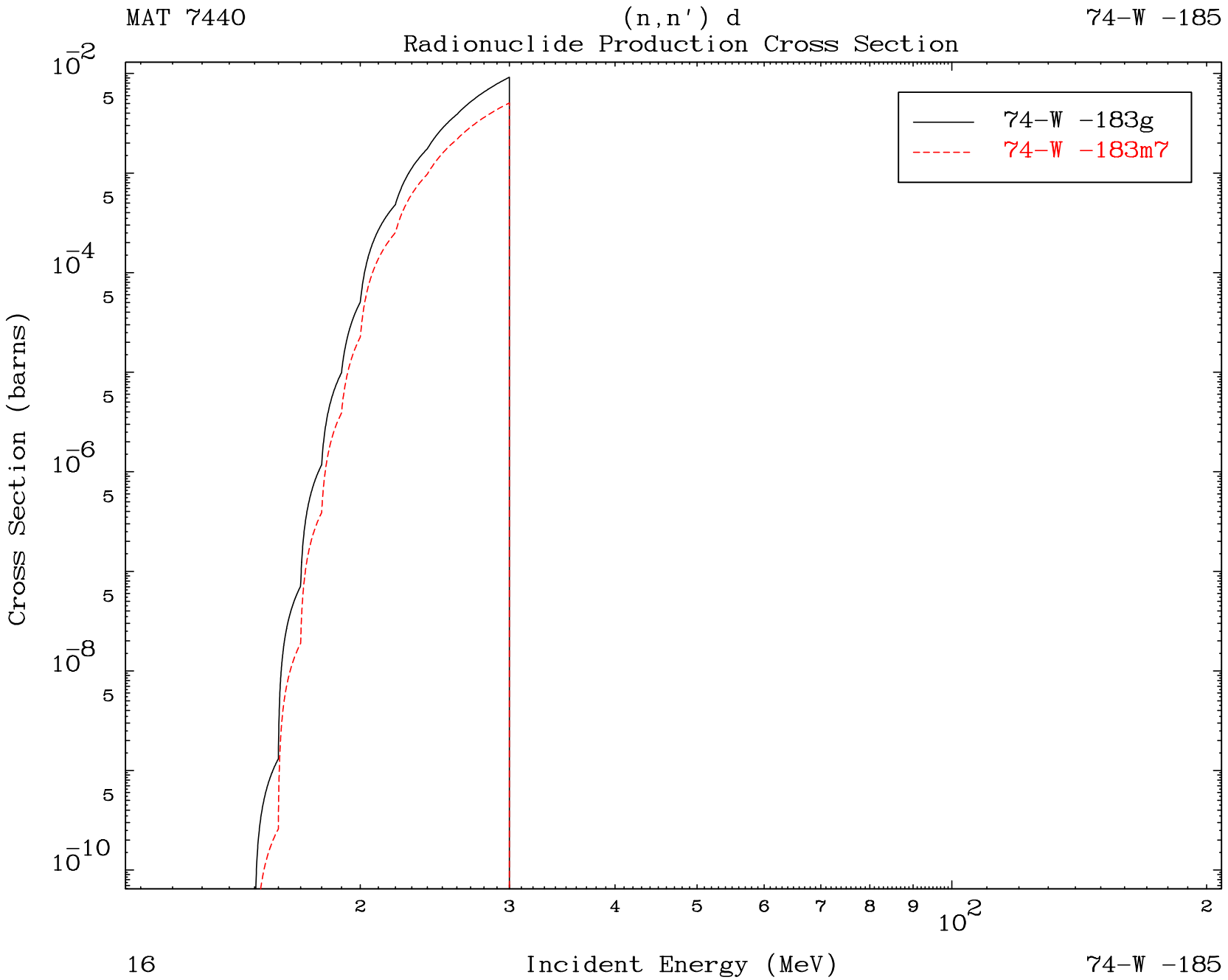

MAT 7440
(p,α) Levels
74-W -185
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
74-W -185

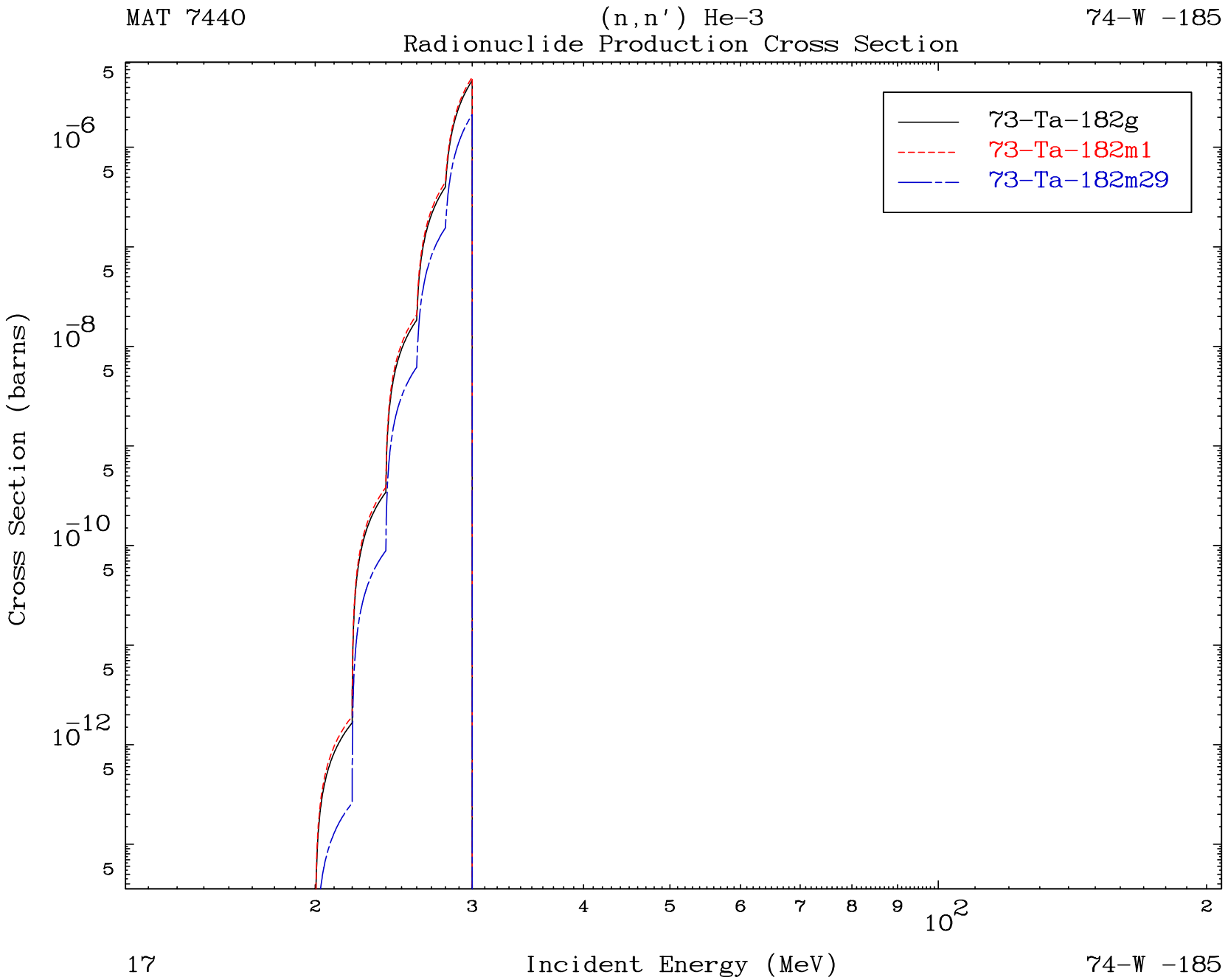

MAT 7440
(n,2n)
74-W -185
Radionuclide Production Cross Section
75-Re-184g
75-Re-184m5
Cross Section (barns)
Incident Energy (MeV)
12
74-W -185

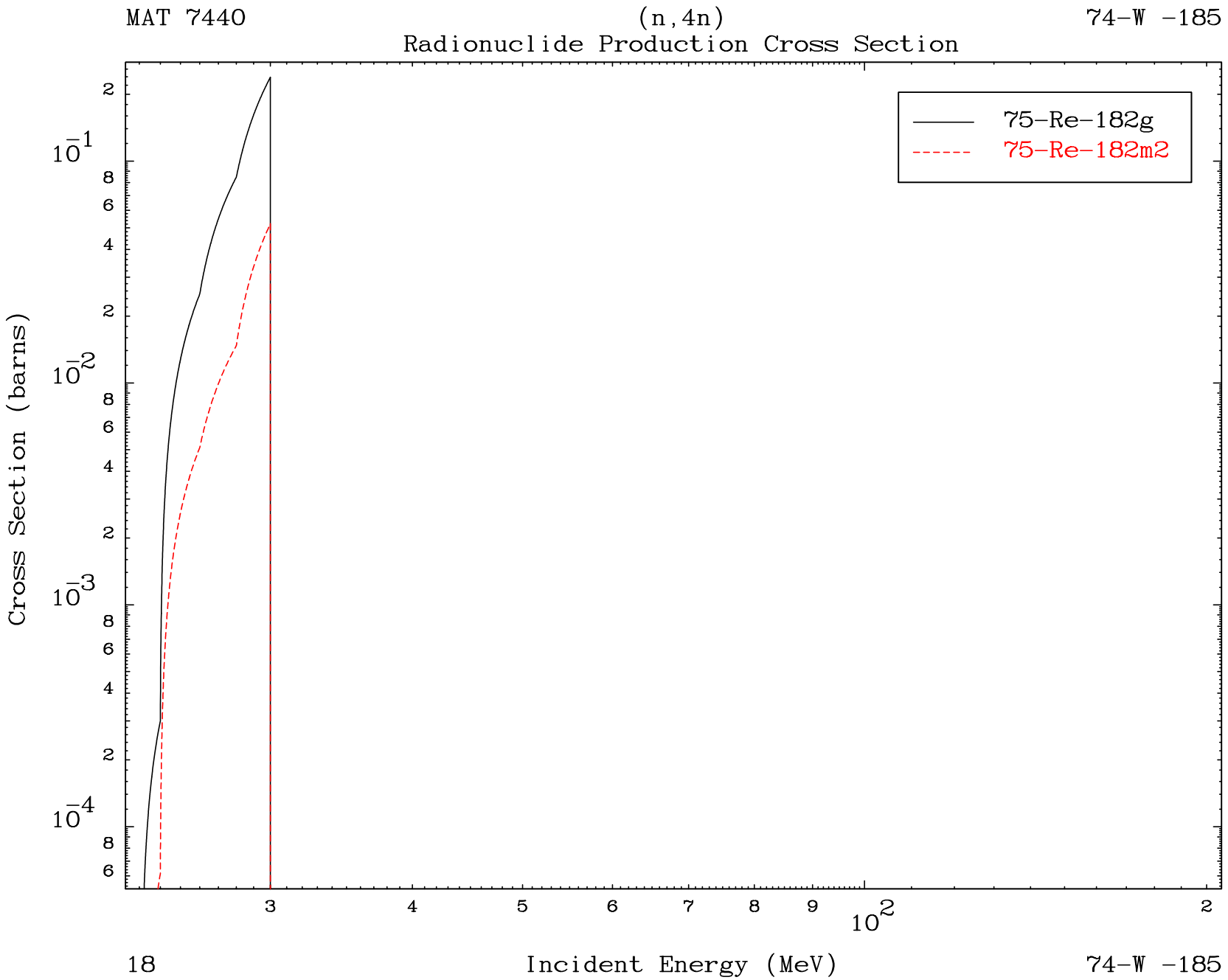

MAT 7440
Fission
74-W -185
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
13
74-W -185

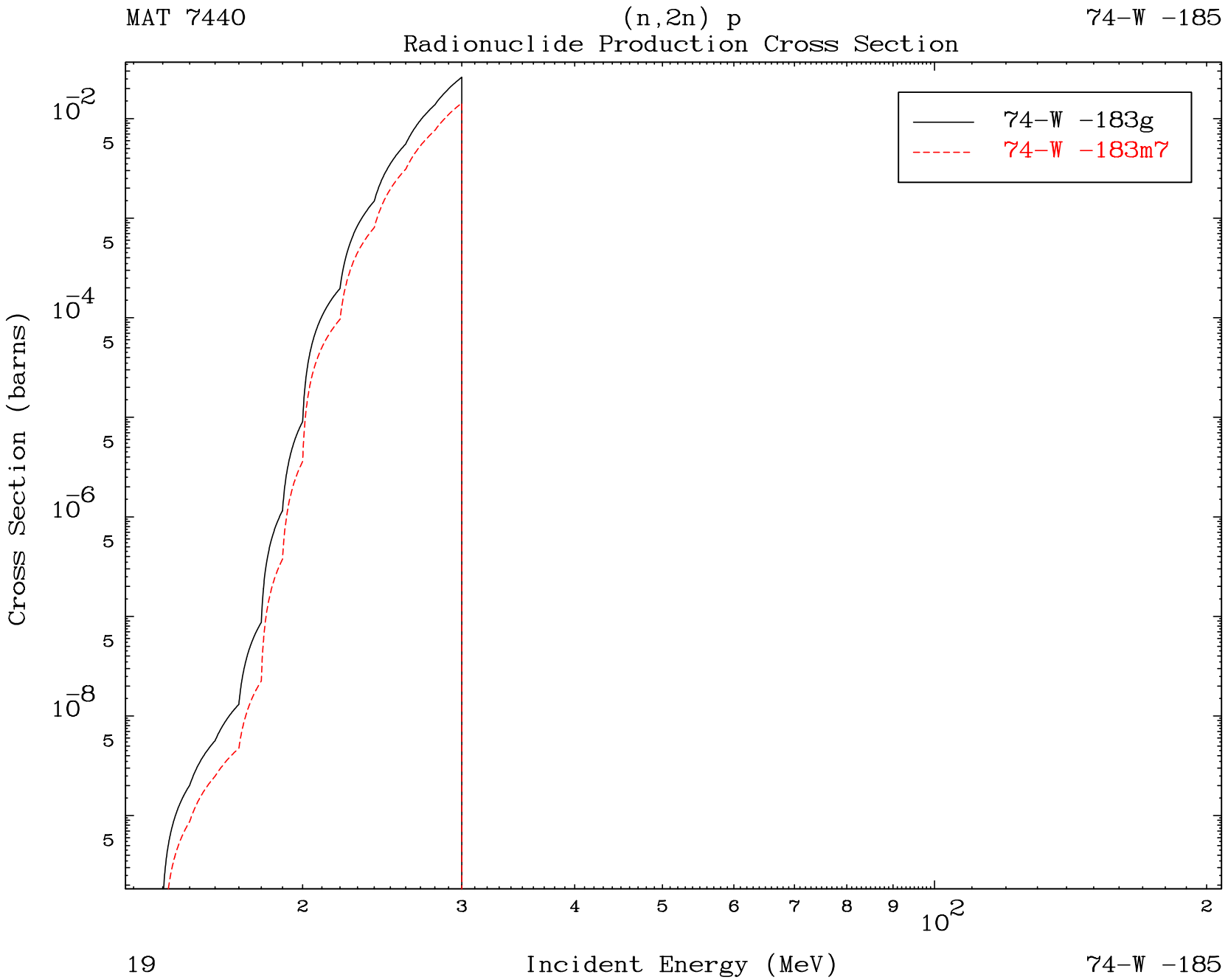

MAT 7440
(n,2n) α
74-W -185
Radionuclide Production Cross Section
73-Ta-180g
73-Ta-180m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
14
74-W -185

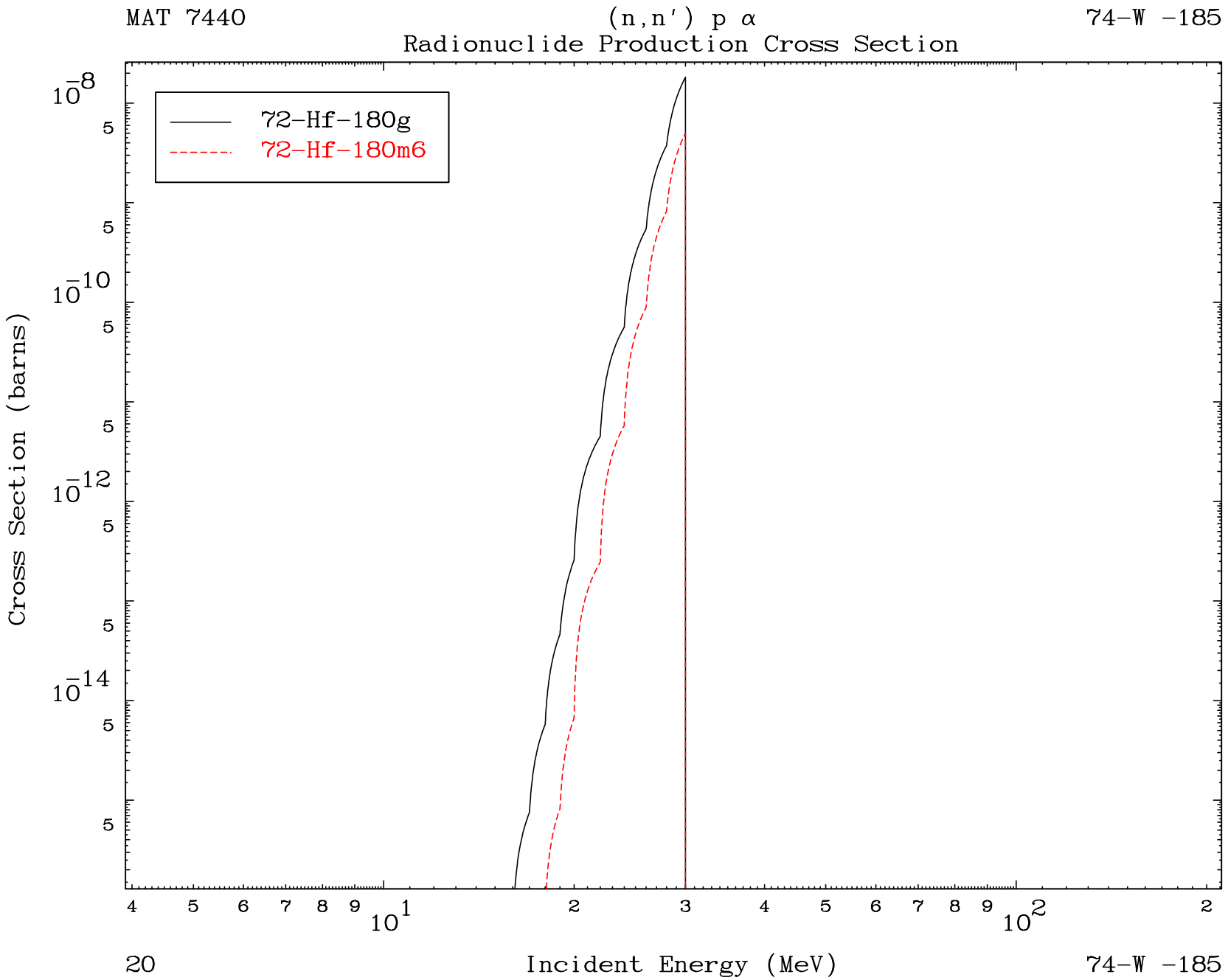

MAT 7440
(n,n') 2α
74-W -185
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
15
74-W -185

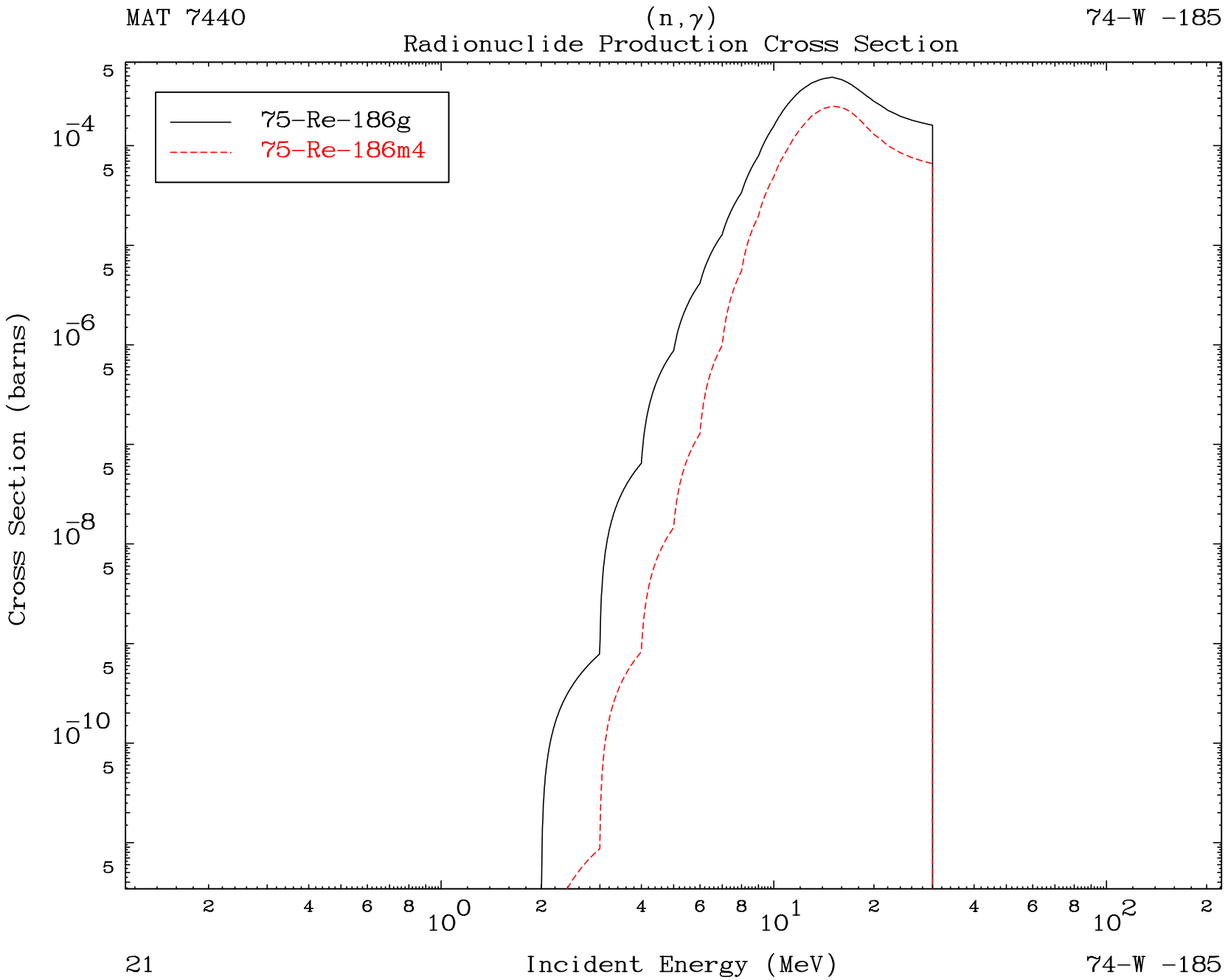

MAT 7440
(n,n') d
74-W -185
Radionuclide Production Cross Section
74-W -183g
74-W -183m7
Cross Section (barns)
Incident Energy (MeV)
16
74-W -185

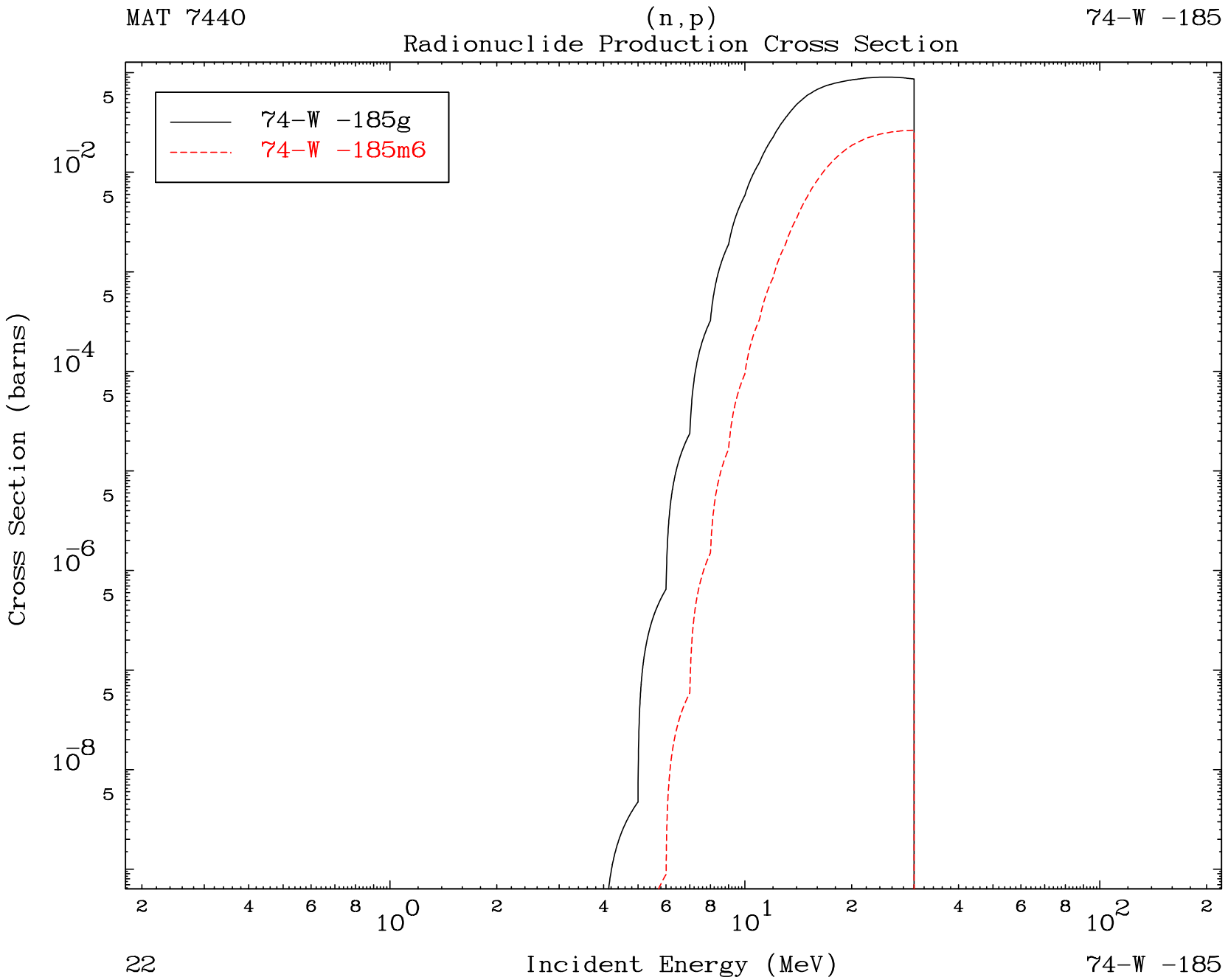

MAT 7440
(n,n') He-3
74-W -185
Radionuclide Production Cross Section
73-Ta-182g
73-Ta-182m1
73-Ta-182m29
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
74-W -185

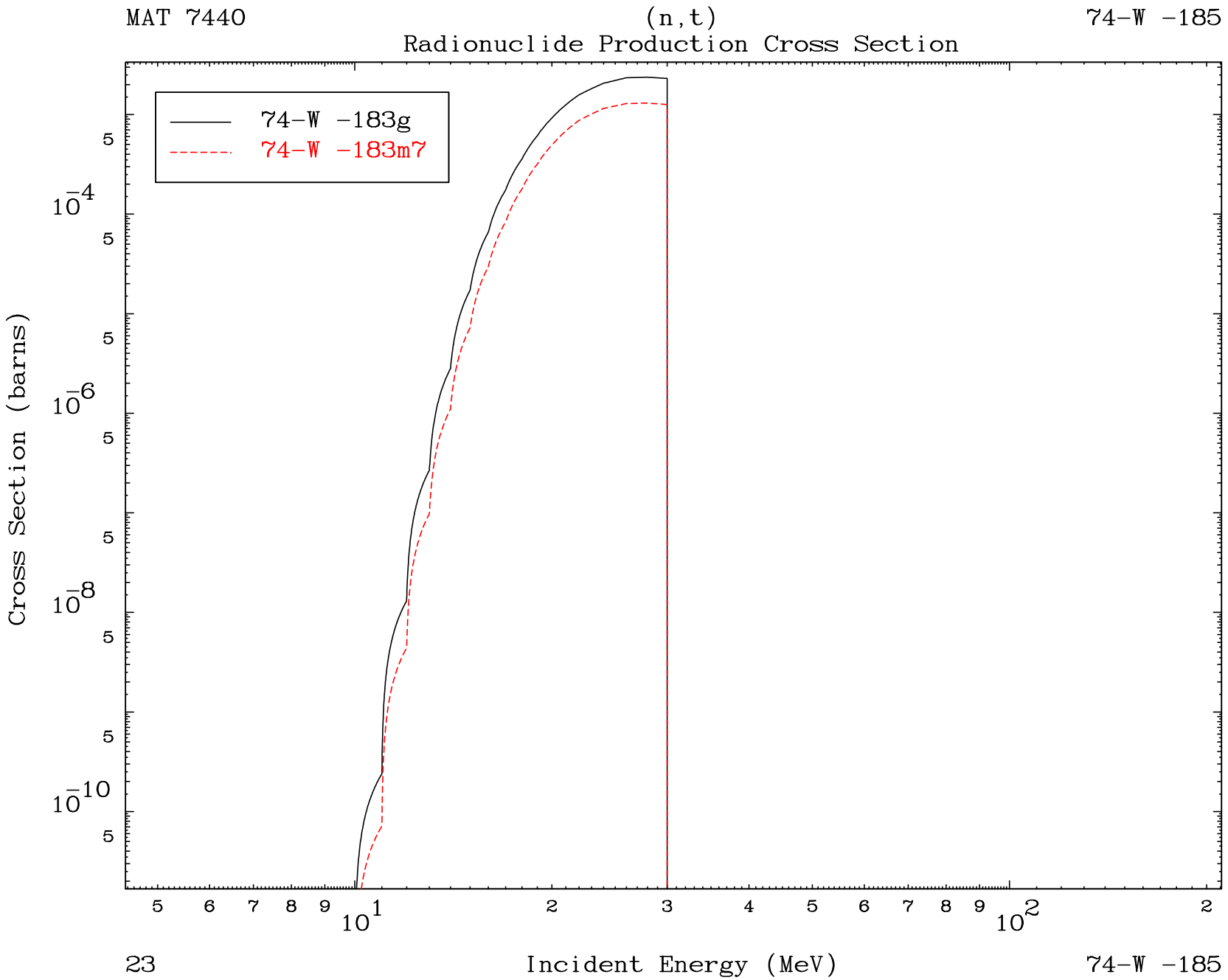

MAT 7440
(n,4n)
74-W -185
Radionuclide Production Cross Section
75-Re-182g
75-Re-182m2
Cross Section (barns)
Incident Energy (MeV)
18
74-W -185

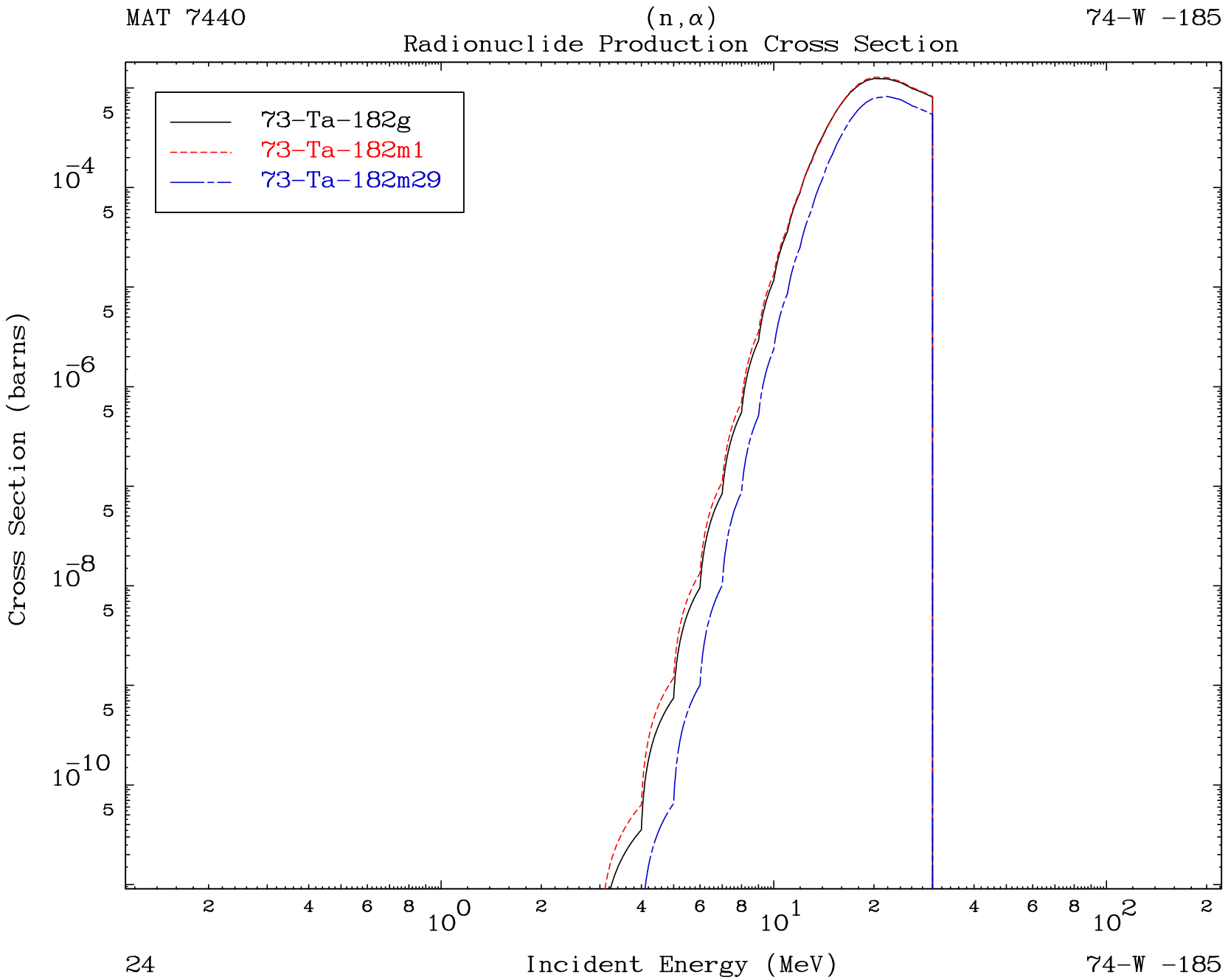

MAT 7440
(n,2n) p
74-W -185
Radionuclide Production Cross Section
74-W -183g
74-W -183m7
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
74-W -185

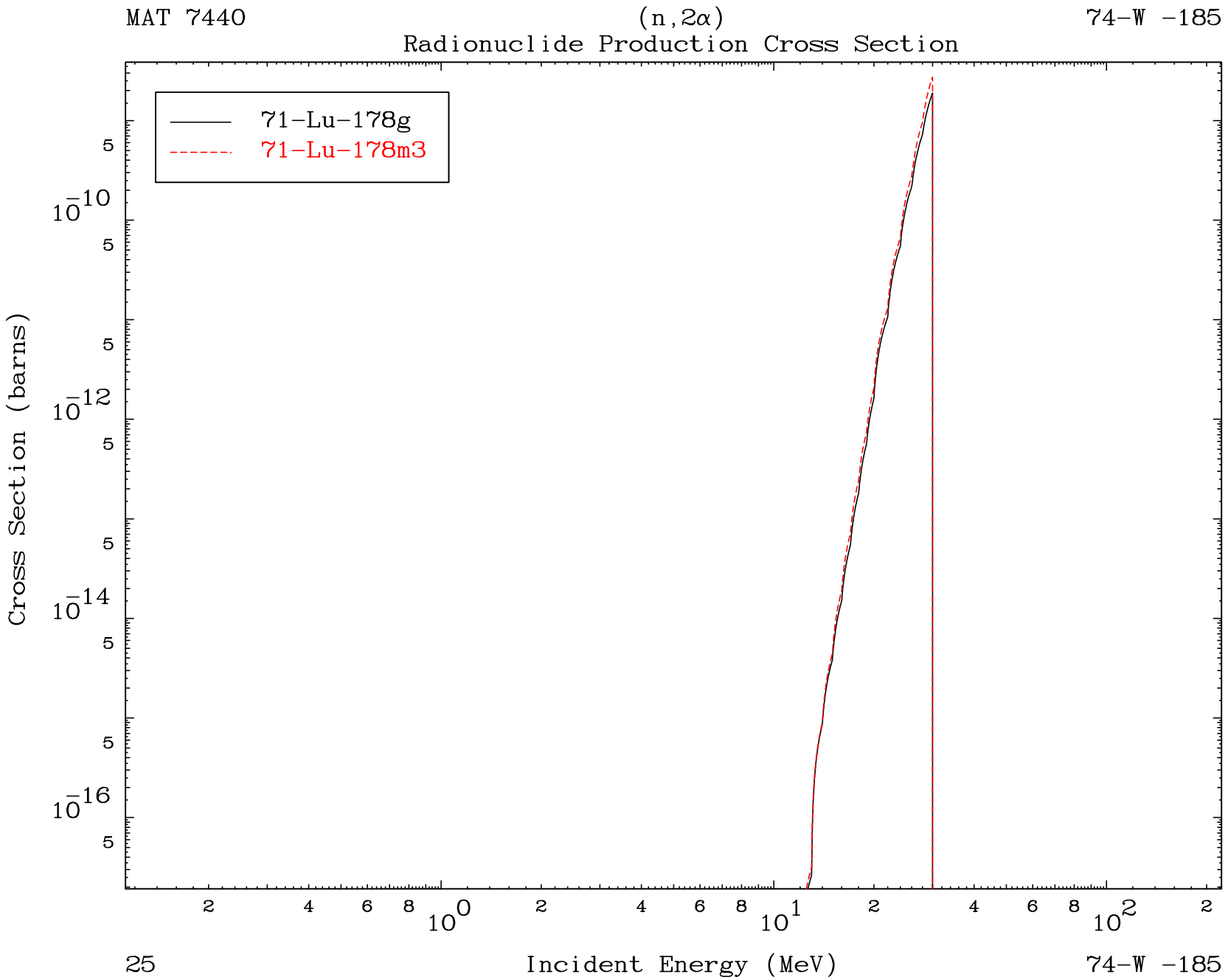

MAT 7440
(n,n') p α
74-W -185
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
20
Incident Energy (MeV)
74-W -185

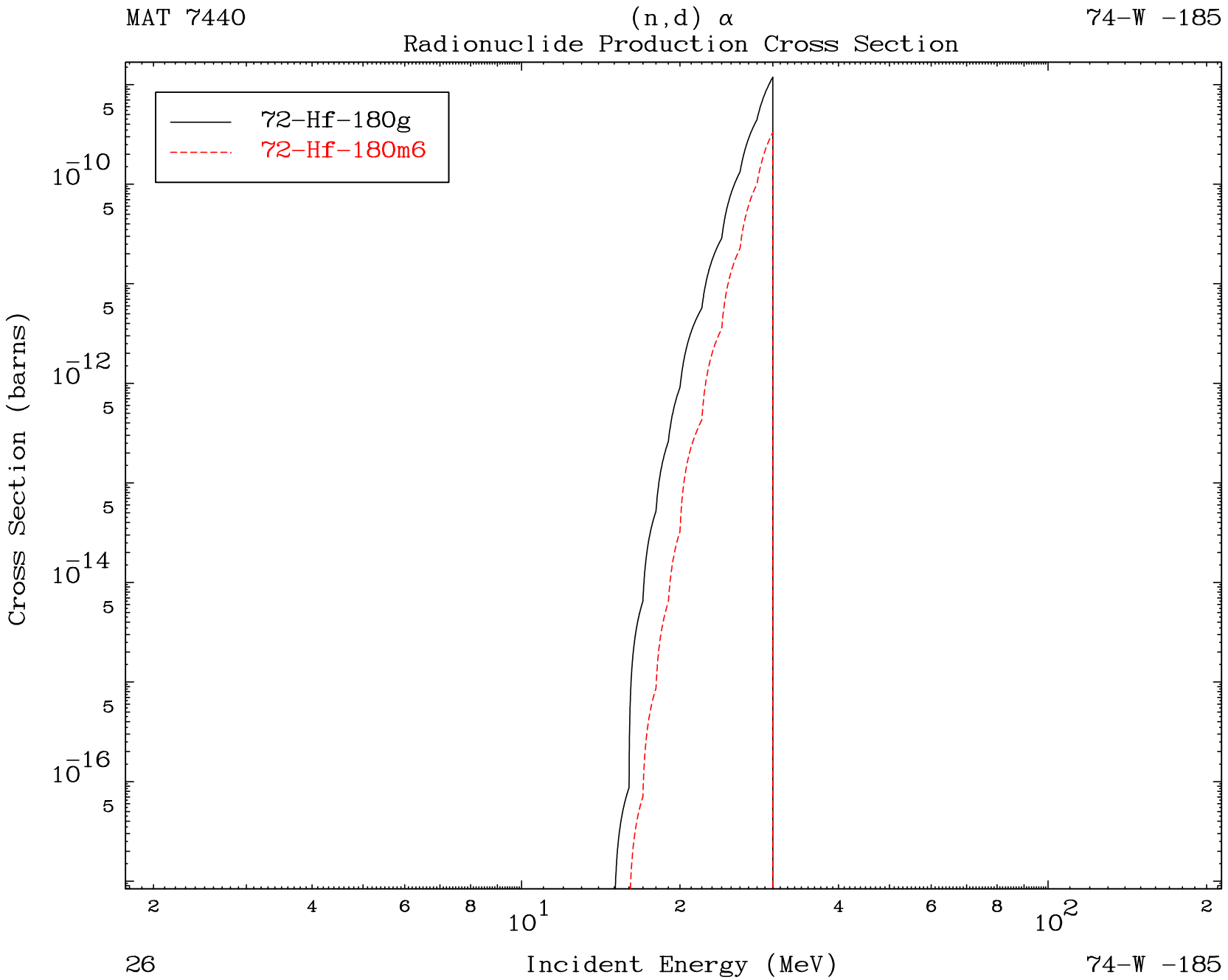

MAT 7440
(n,γ)
74-W -185
Radionuclide Production Cross Section
75-Re-186g
75-Re-186m4
Cross Section (barns)
Incident Energy (MeV)
21
74-W -185


MAT 7440
(n,p)
74-W -185
Radionuclide Production Cross Section
74-W -185g
74-W -185m6
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
22
74-W -185


MAT 7440
(n,t)
74-W -185
Radionuclide Production Cross Section
74-W -183g
74-W -183m7
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
23
Incident Energy (MeV)
74-W -185


MAT 7440
(n,α)
74-W -185
Radionuclide Production Cross Section
73-Ta-182g
73-Ta-182m1
73-Ta-182m29
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
24
74-W -185


MAT 7440
(n,2α)
74-W -185
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
25
74-W -185


MAT 7440
(n,d) α
74-W -185
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
4
6
8
10^1
10^2
26
Incident Energy (MeV)
74-W -185