Program EVALPLOT
(Version 2018-1)
by
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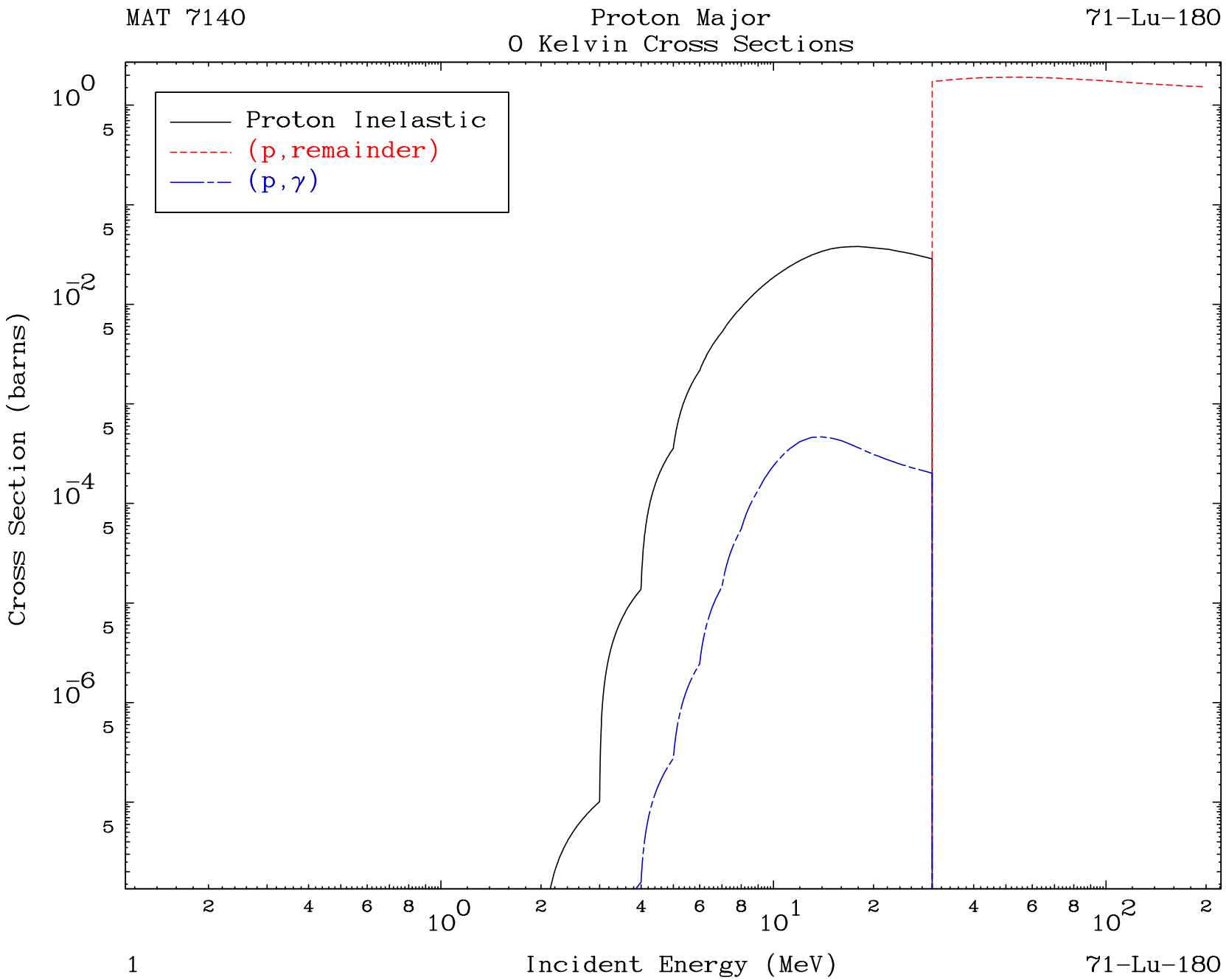
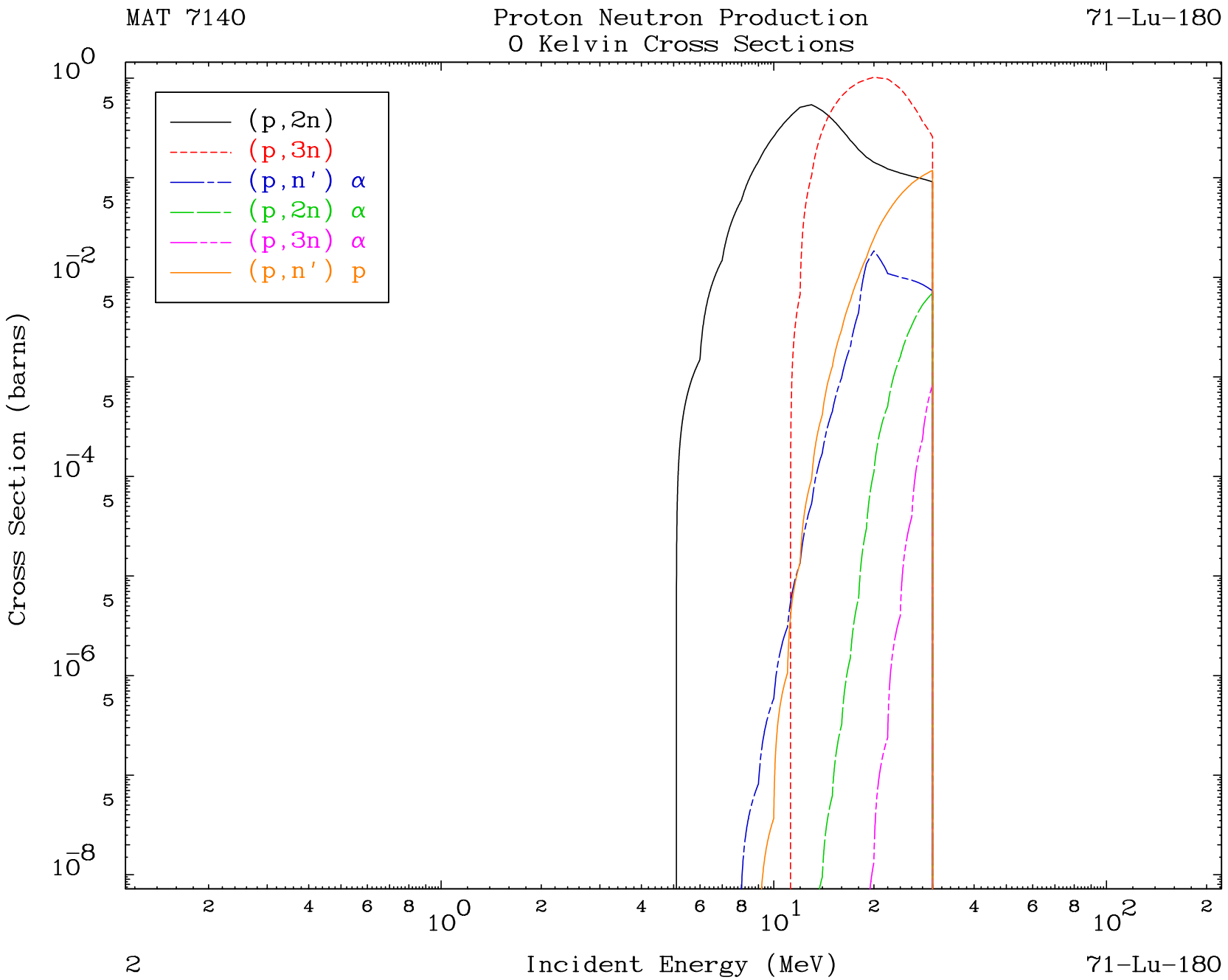
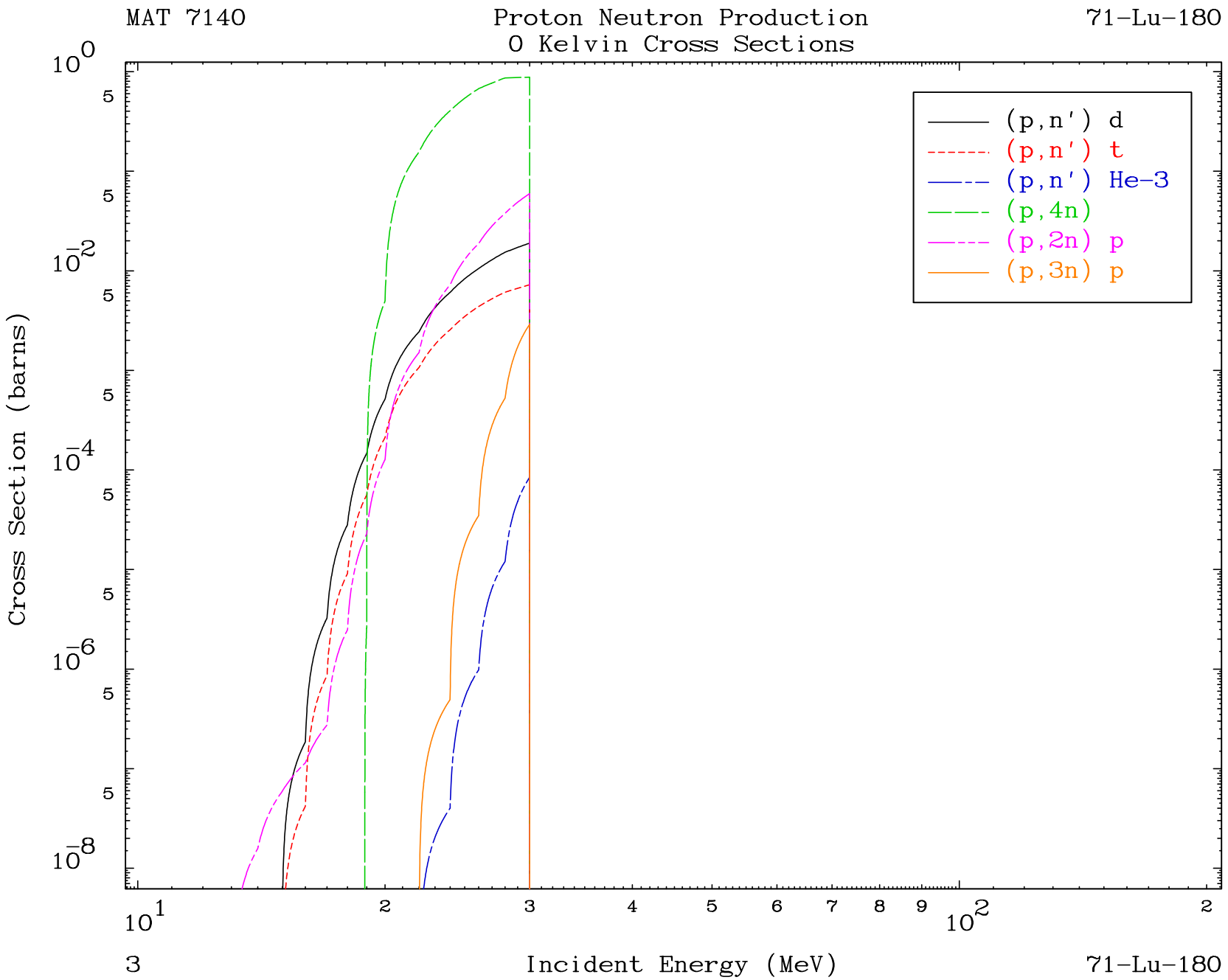
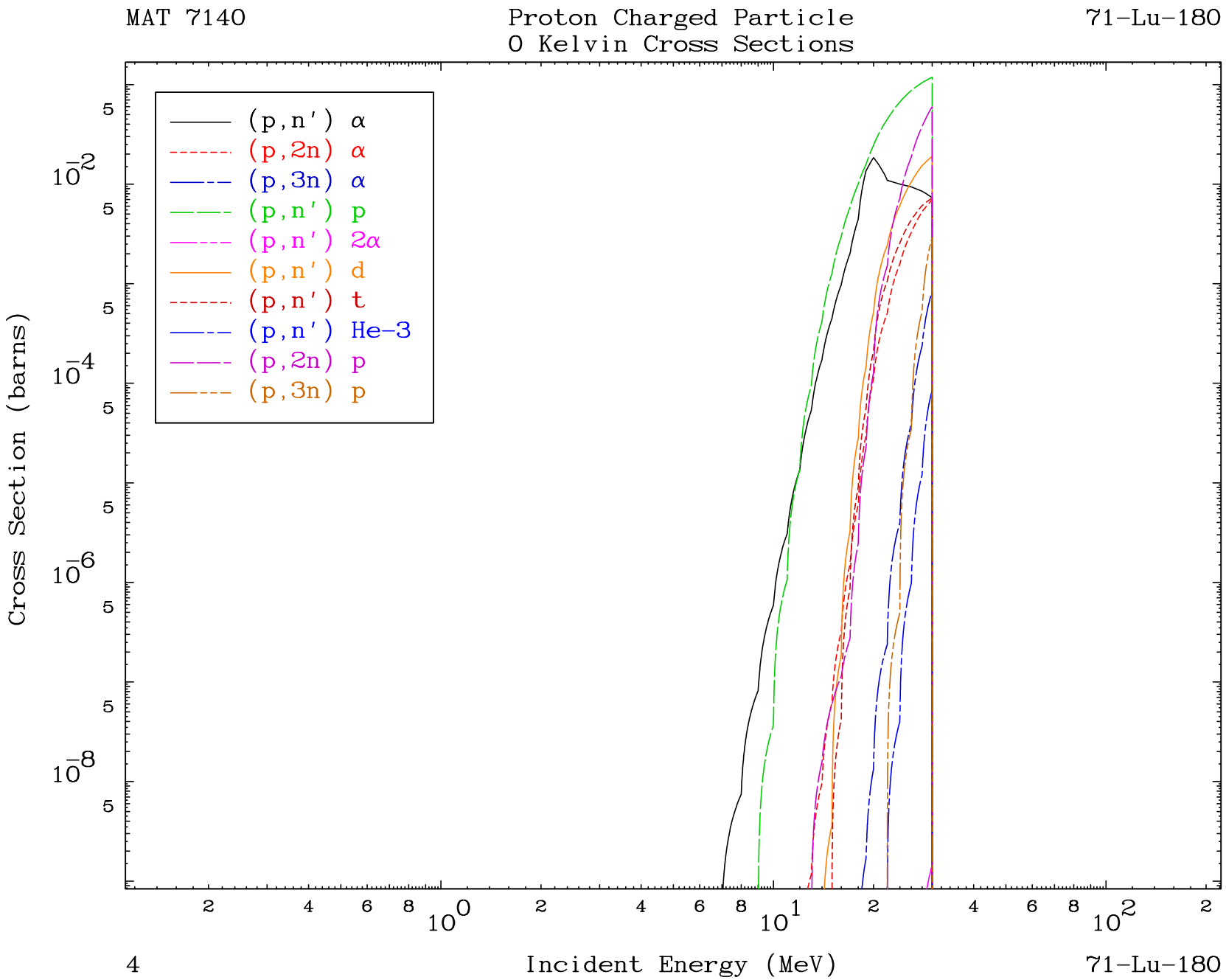
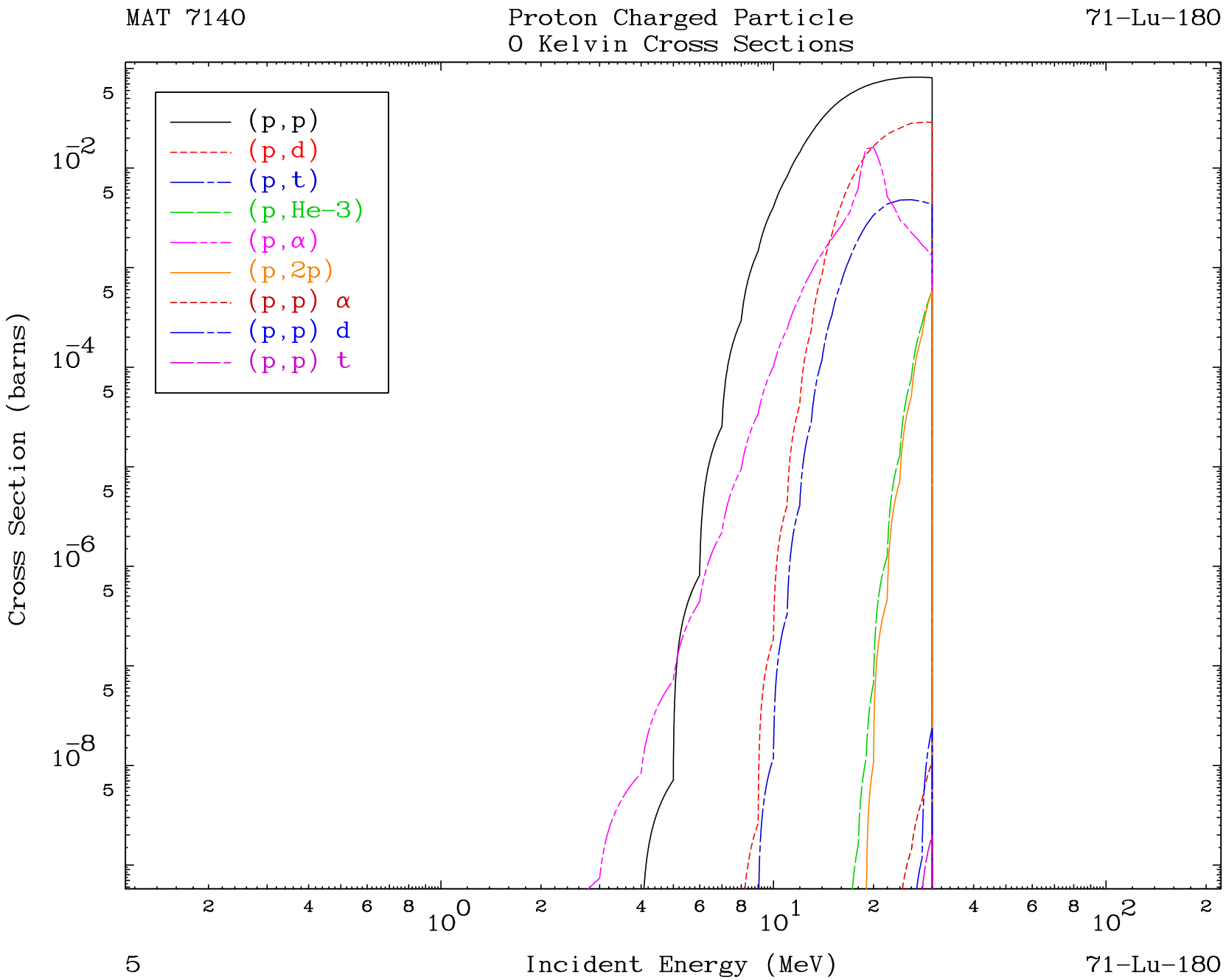
Press Mouse Button to Start

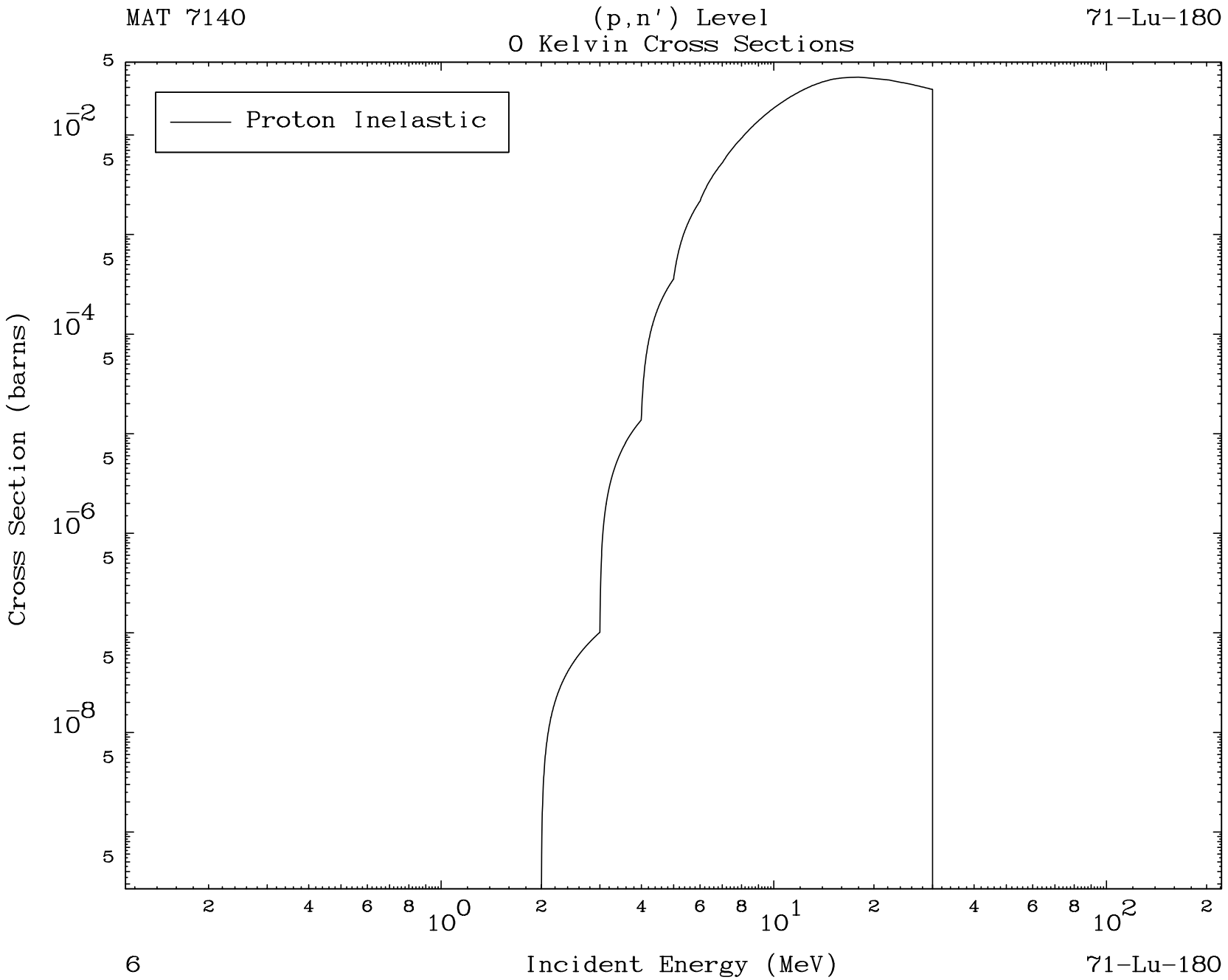

MAT 7140
Proton Major
71-Lu-180
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-180
1

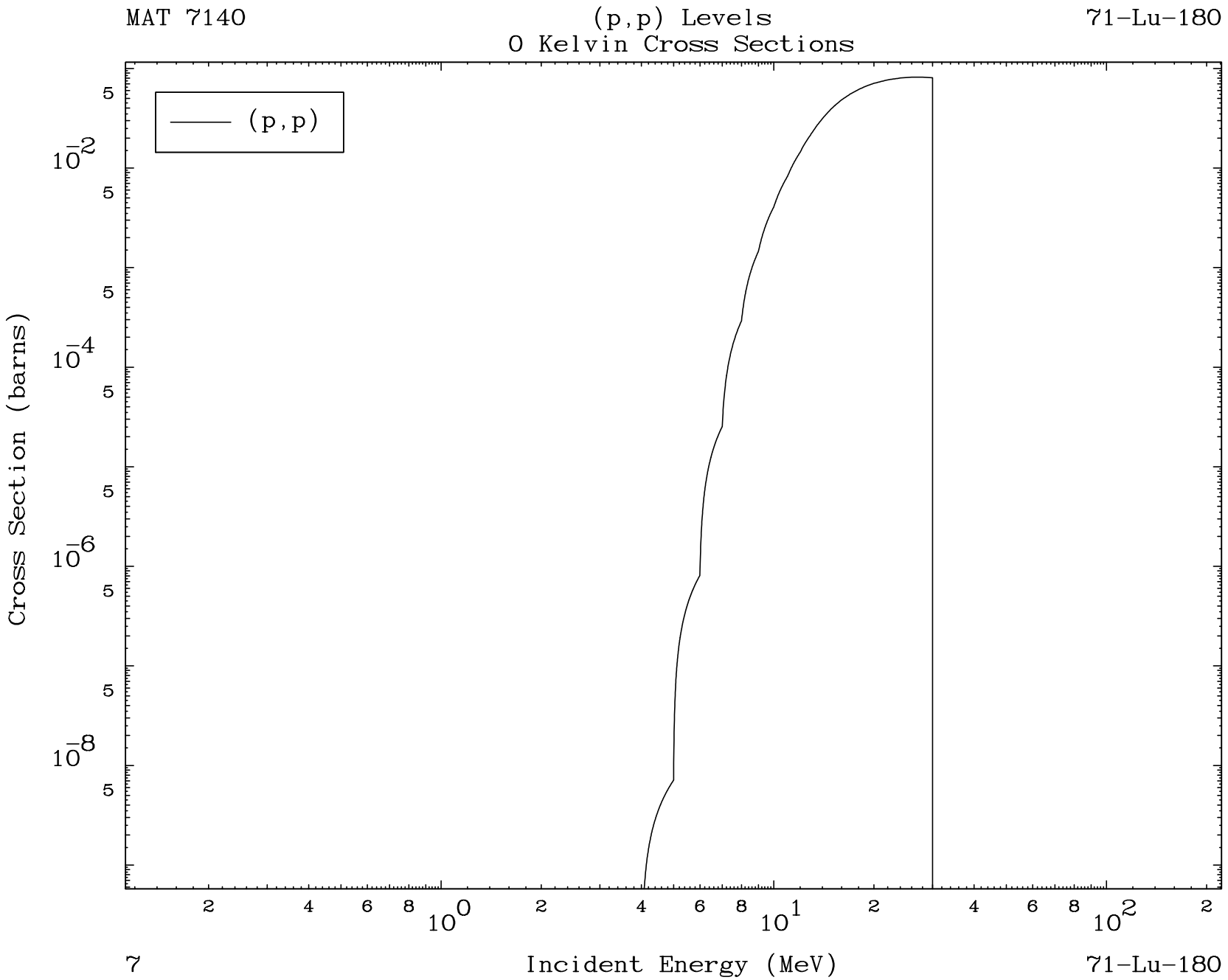

MAT 7140
Proton Neutron Production
0 Kelvin Cross Sections
71-Lu-180
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
Cross Section (barns)
Incident Energy (MeV)
71-Lu-180
2

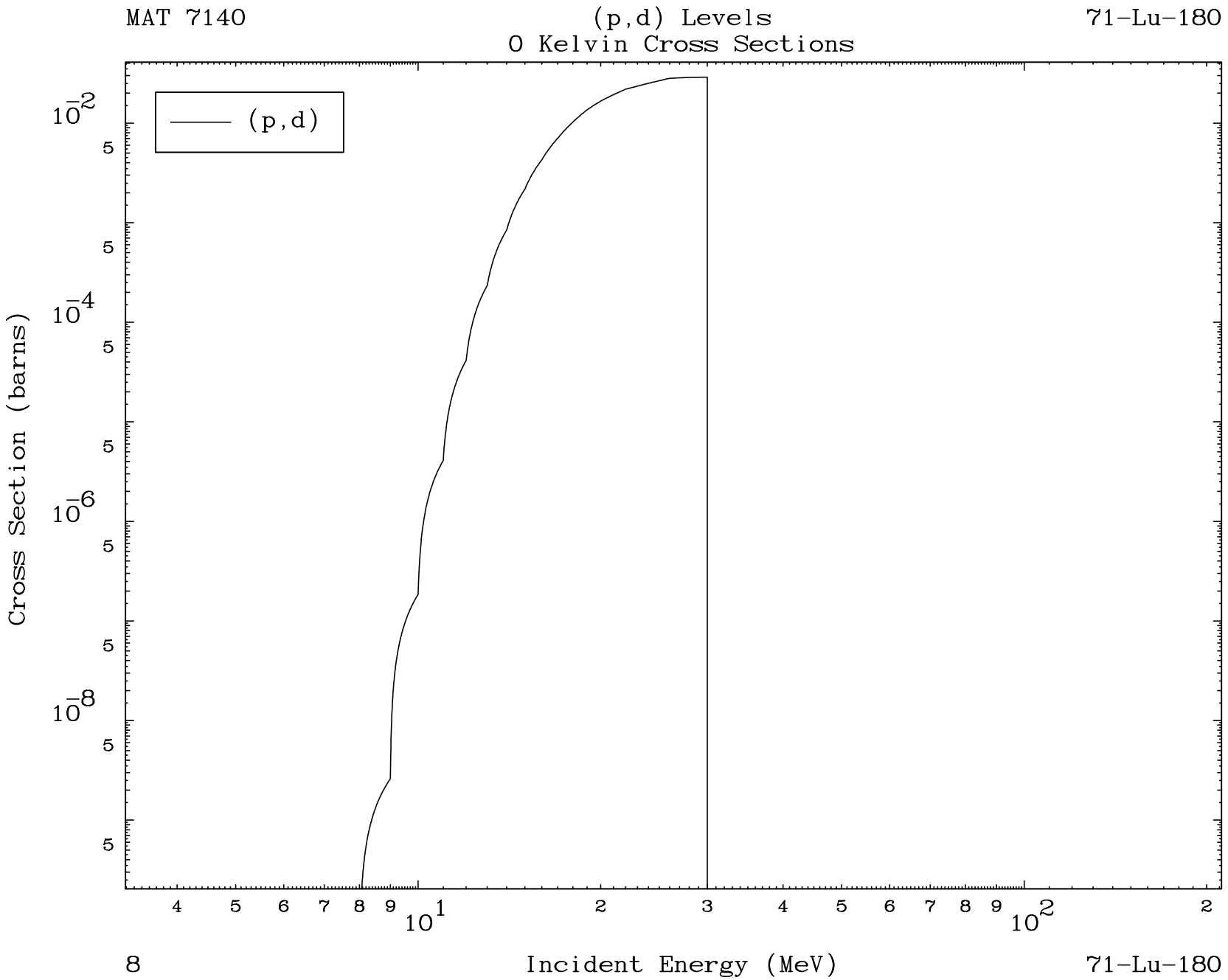

MAT 7140
Proton Neutron Production
0 Kelvin Cross Sections
71-Lu-180
Cross Section (barns)
Incident Energy (MeV)
71-Lu-180
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p

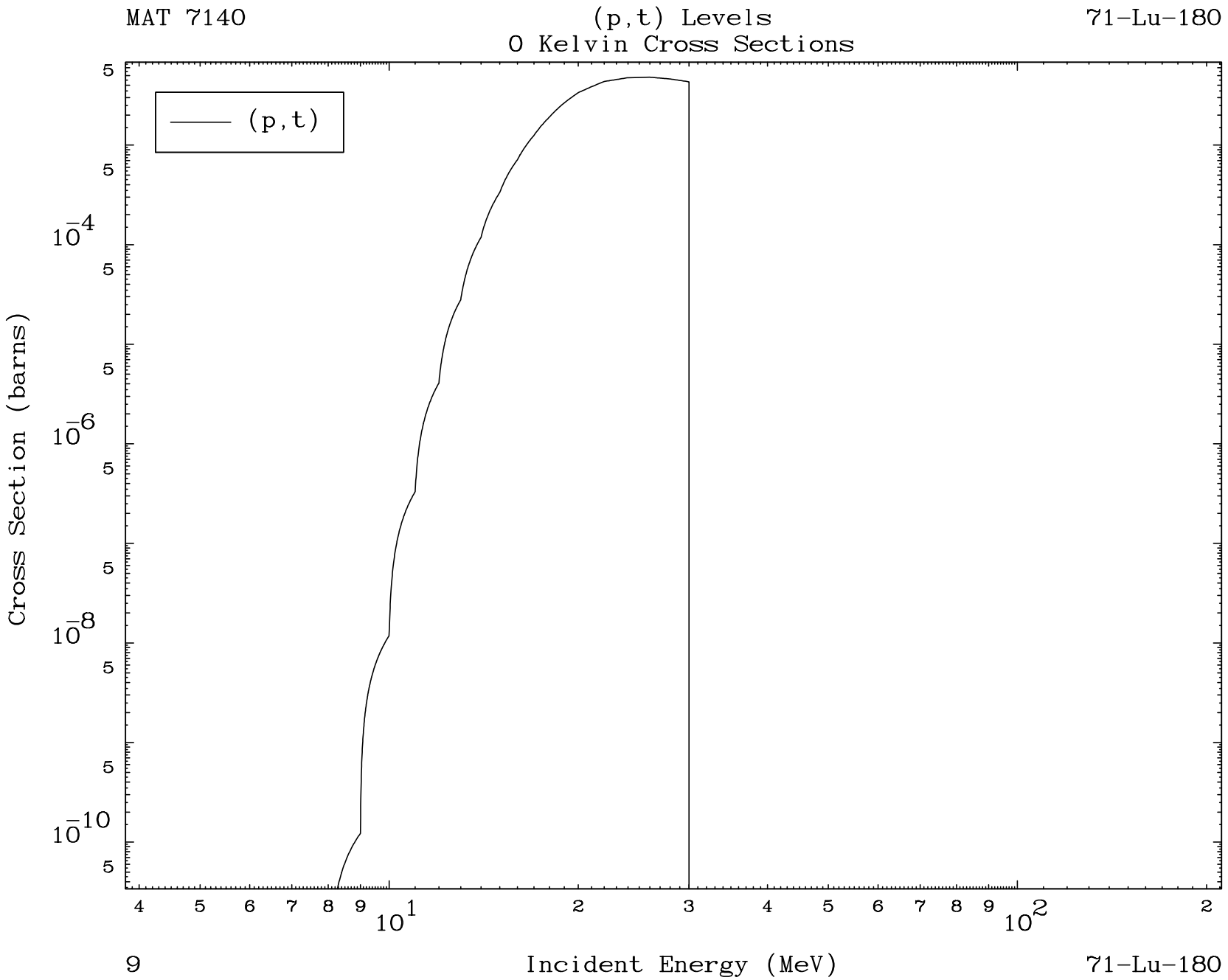

MAT 7140
Proton Charged Particle
0 Kelvin Cross Sections
71-Lu-180
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
71-Lu-180

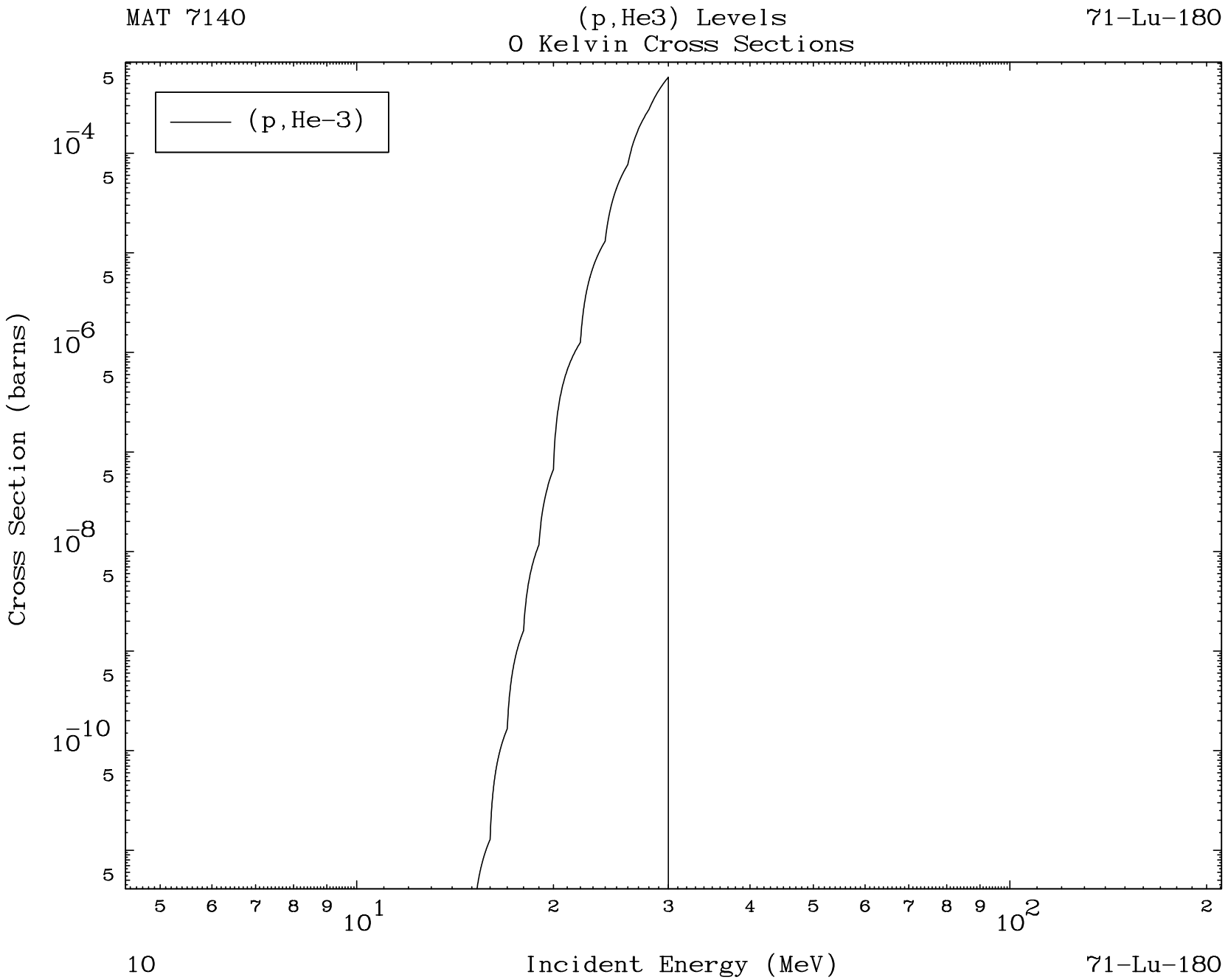

MAT 7140
Proton Charged Particle
0 Kelvin Cross Sections
71-Lu-180
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
71-Lu-180
5

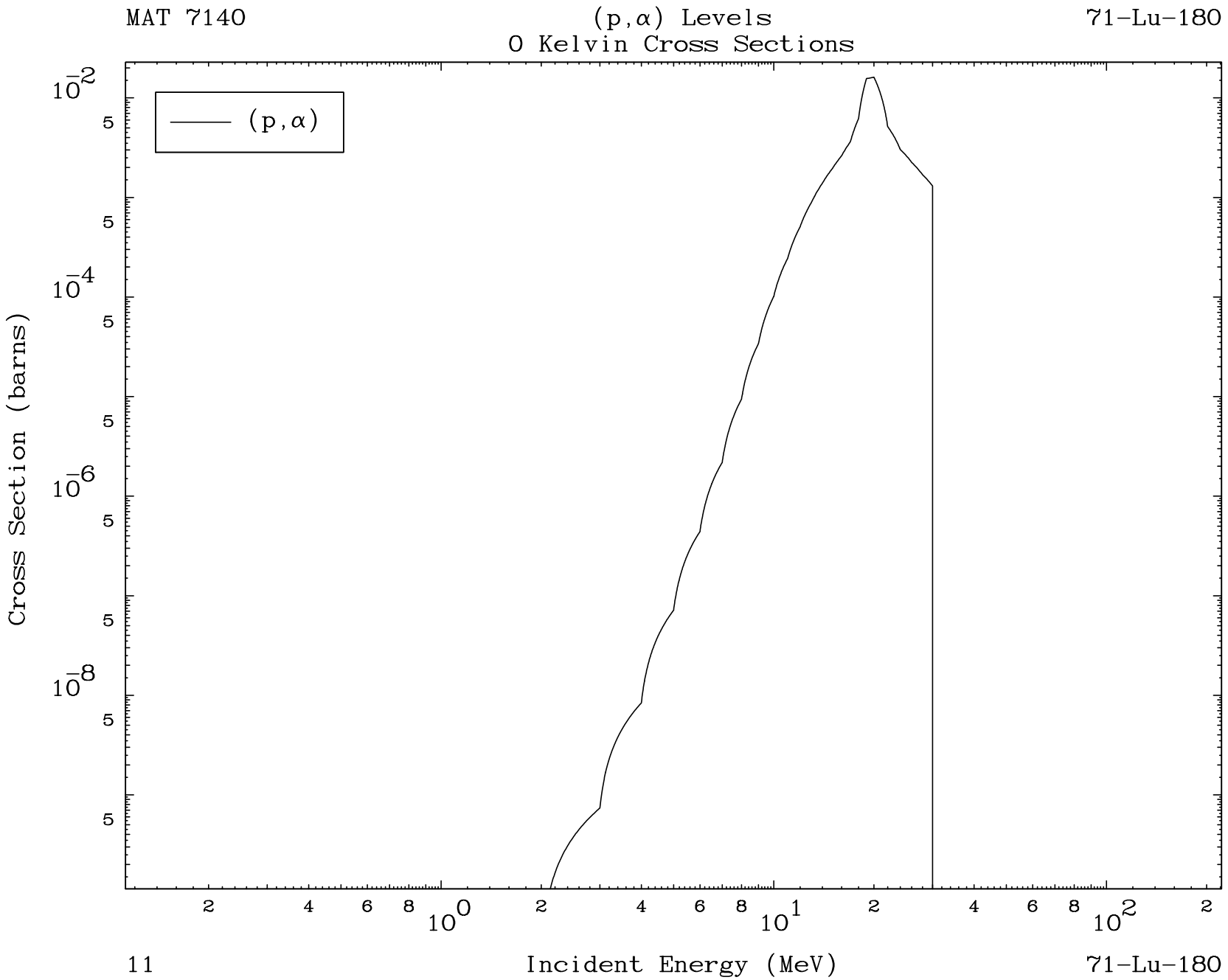

MAT 7140
(p,n') Level
71-Lu-180
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
6
71-Lu-180

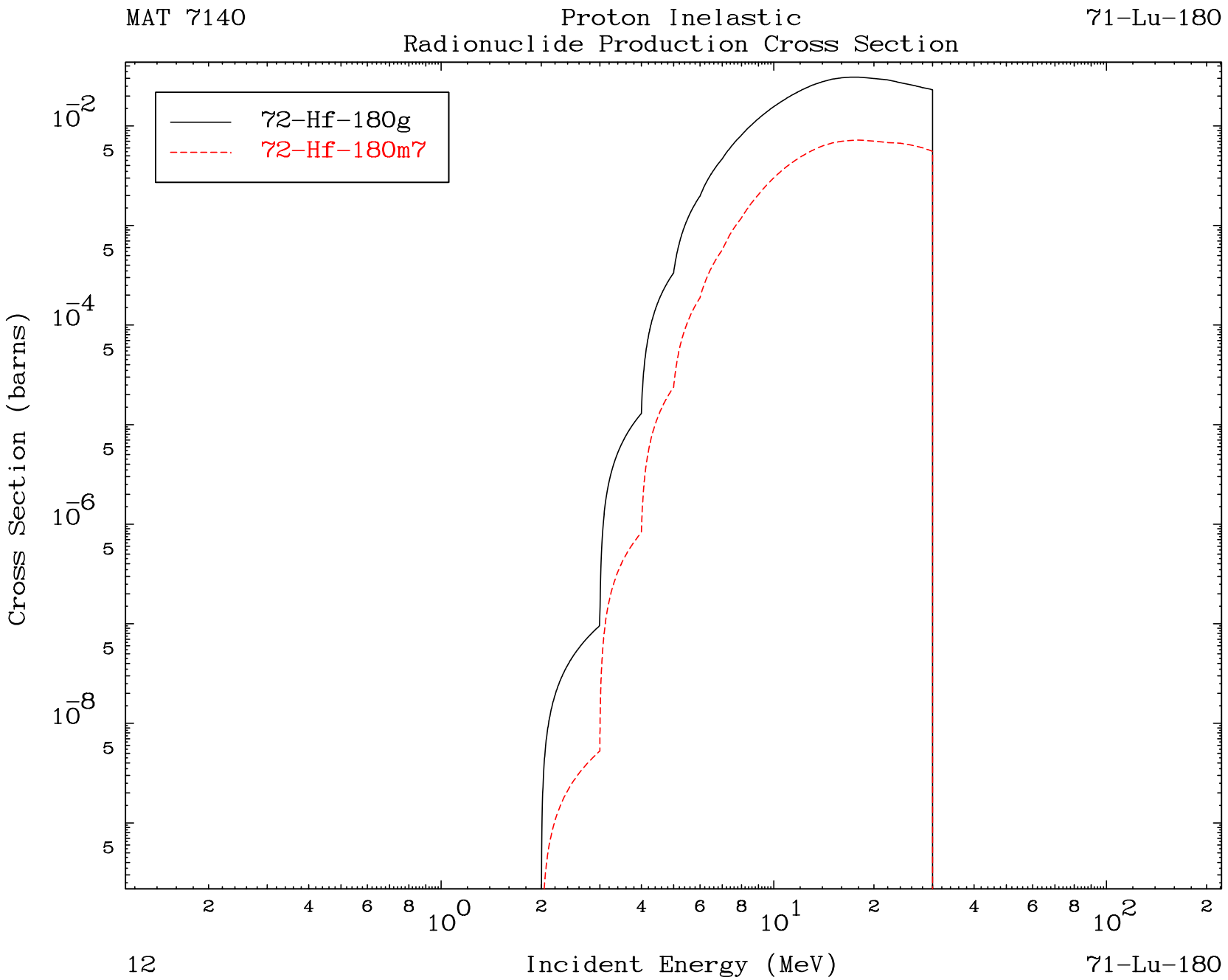

MAT 7140
(p,p) Levels
71-Lu-180
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
71-Lu-180

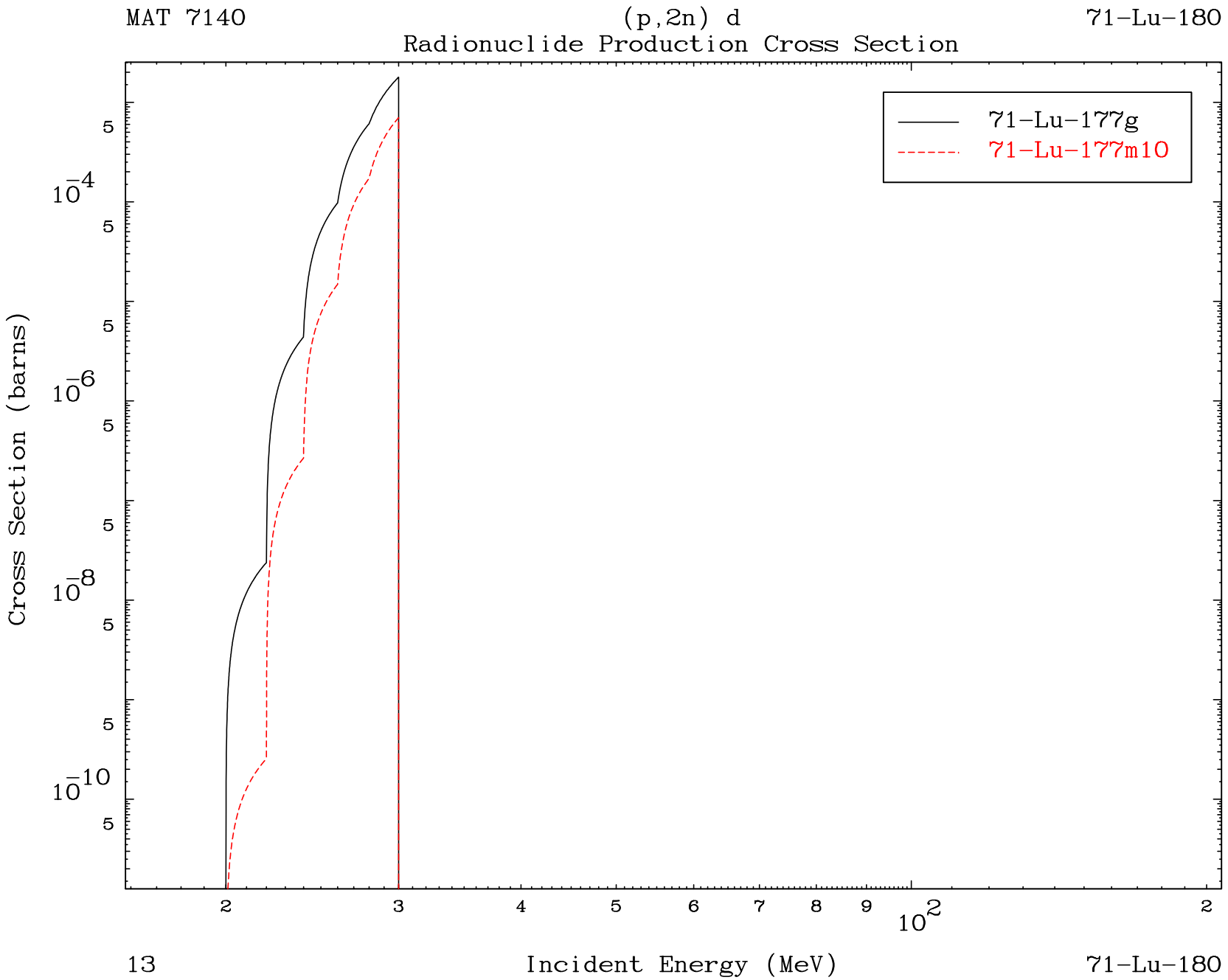

MAT 7140
(p,d) Levels
71-Lu-180
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
8
71-Lu-180

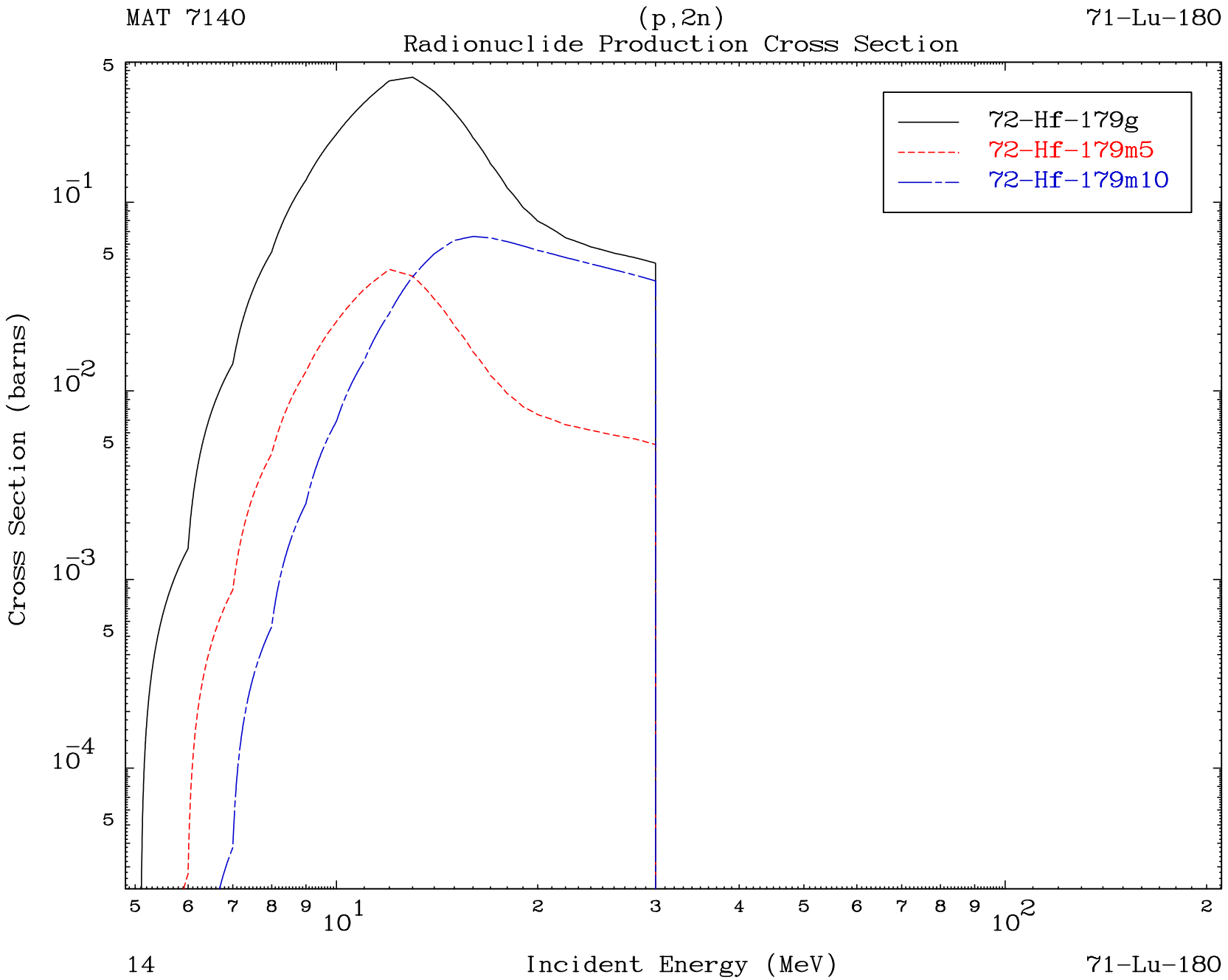

MAT 7140
(p,t) Levels
71-Lu-180
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
Incident Energy (MeV)
9
71-Lu-180

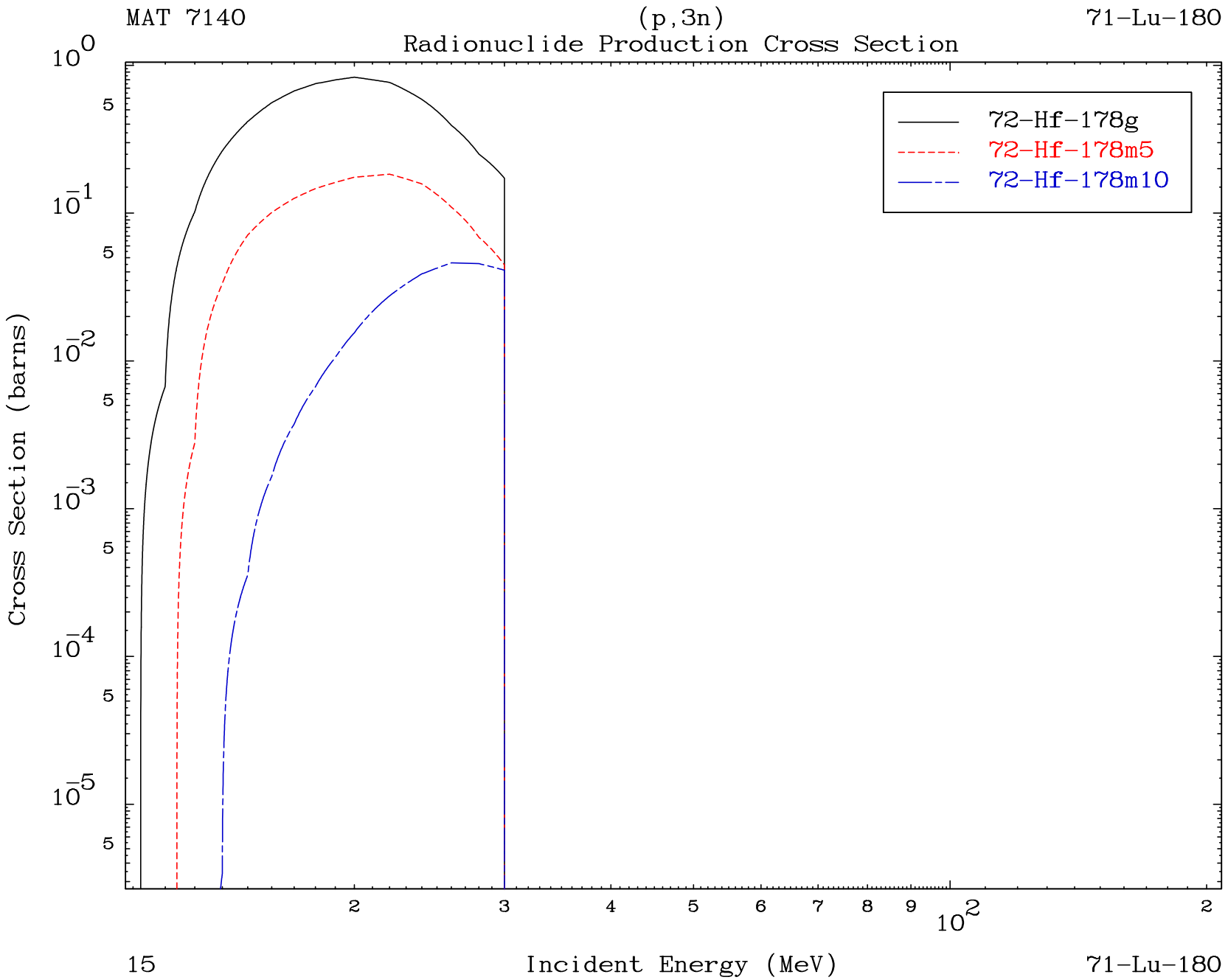

MAT 7140
(p,He3) Levels
71-Lu-180
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-180

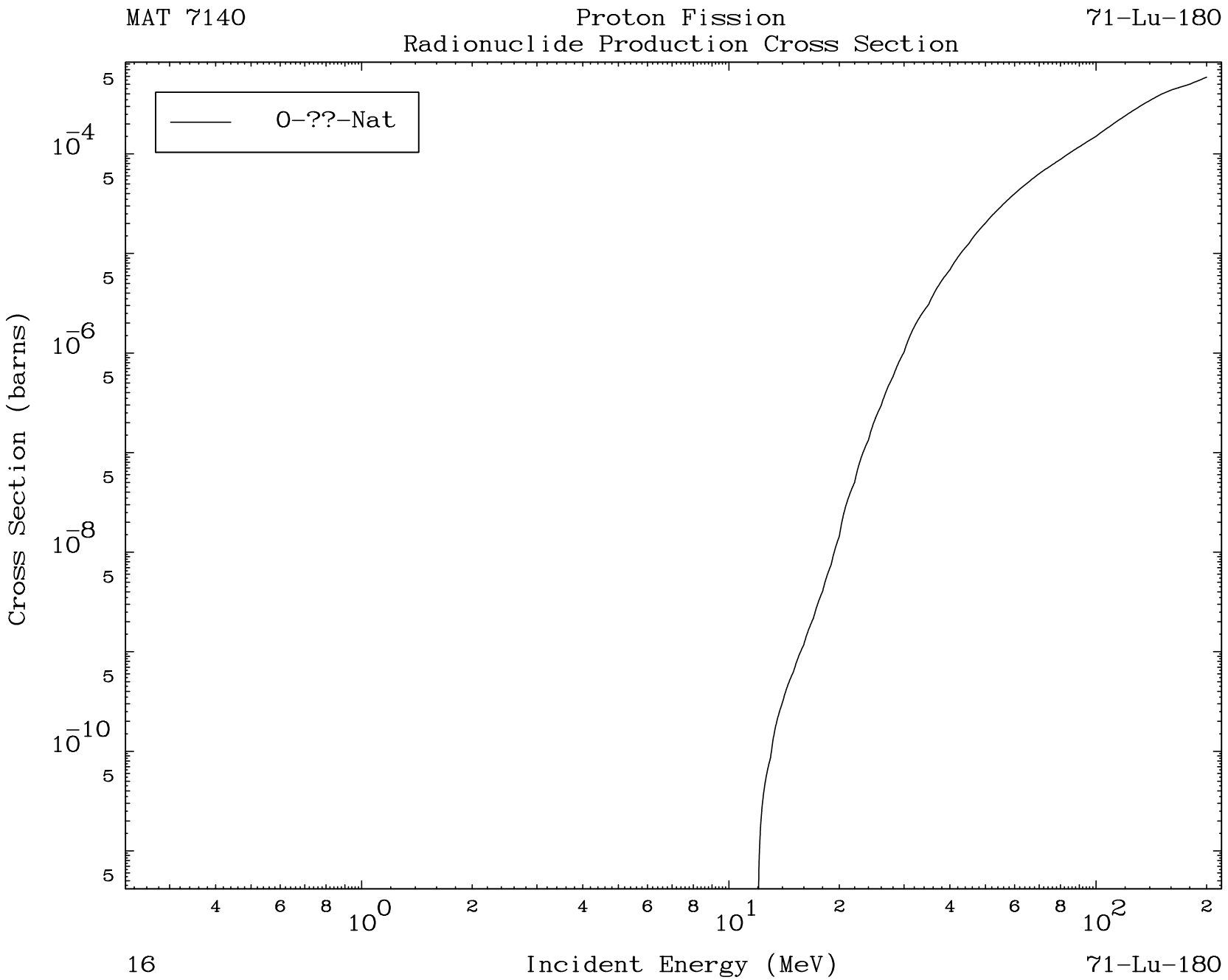

MAT 7140
(p,α) Levels
71-Lu-180
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
71-Lu-180

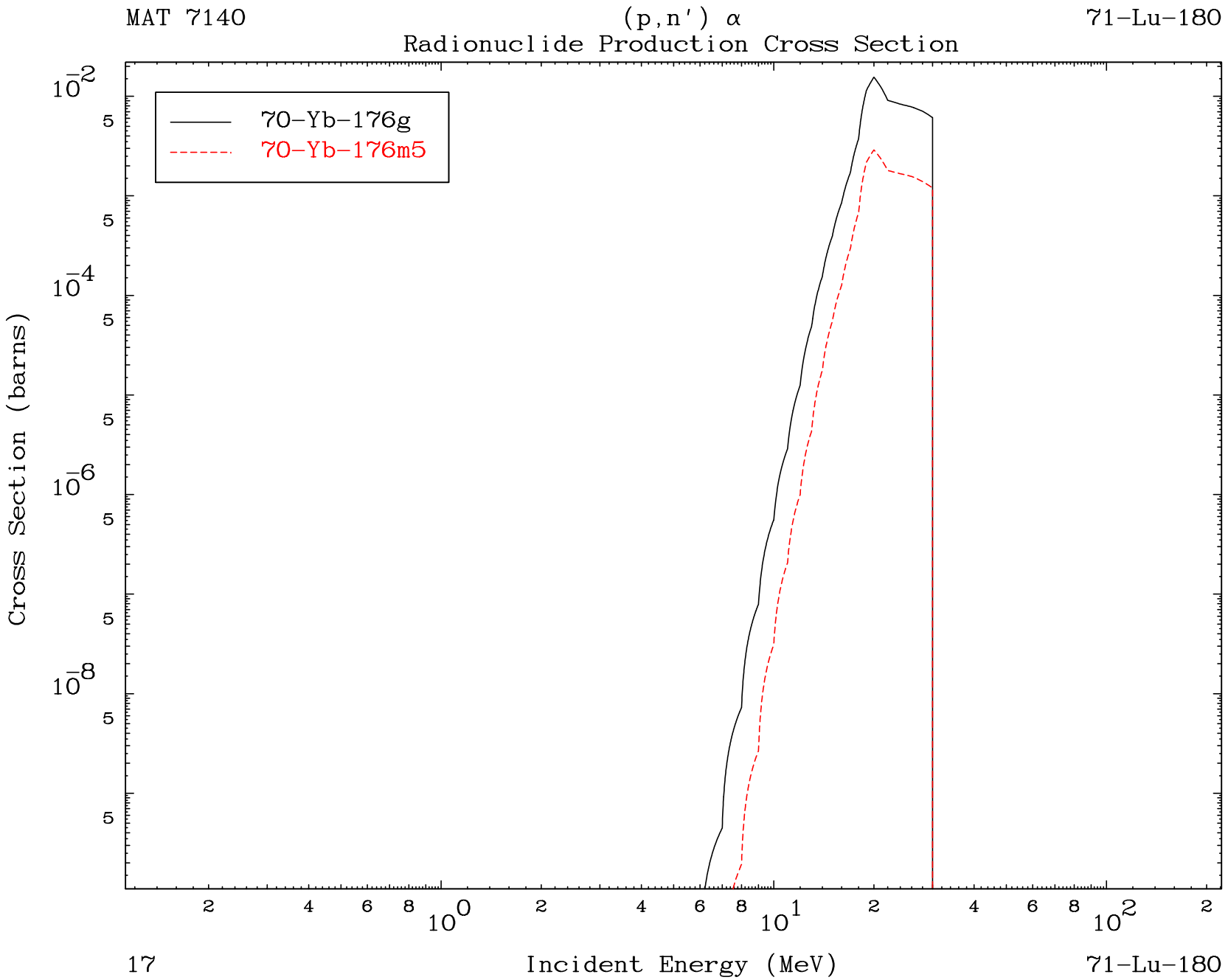

MAT 7140
Proton Inelastic
71-Lu-180
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m7
Cross Section (barns)
Incident Energy (MeV)
12
71-Lu-180

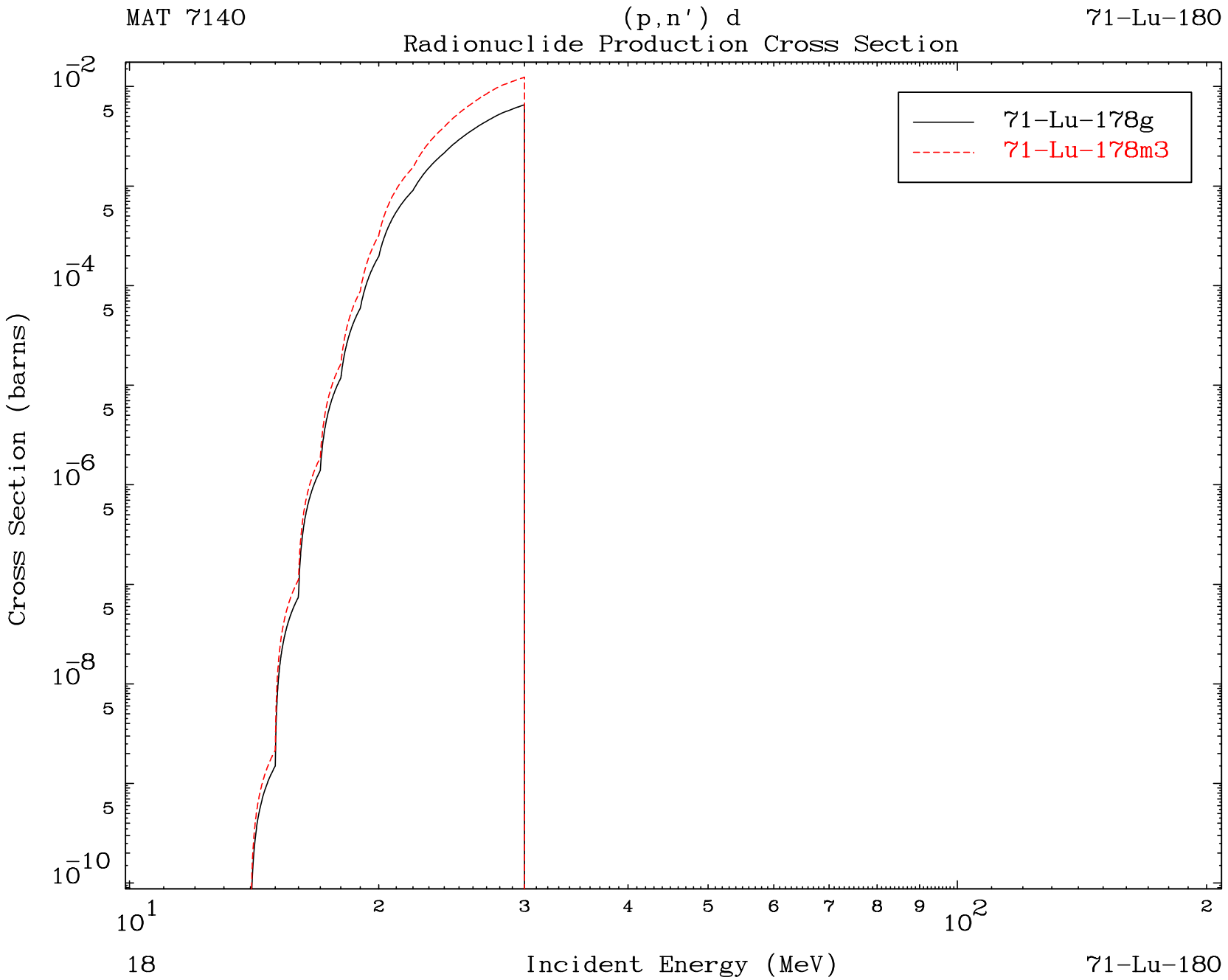

MAT 7140
(p,2n) d
71-Lu-180
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m10
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
71-Lu-180

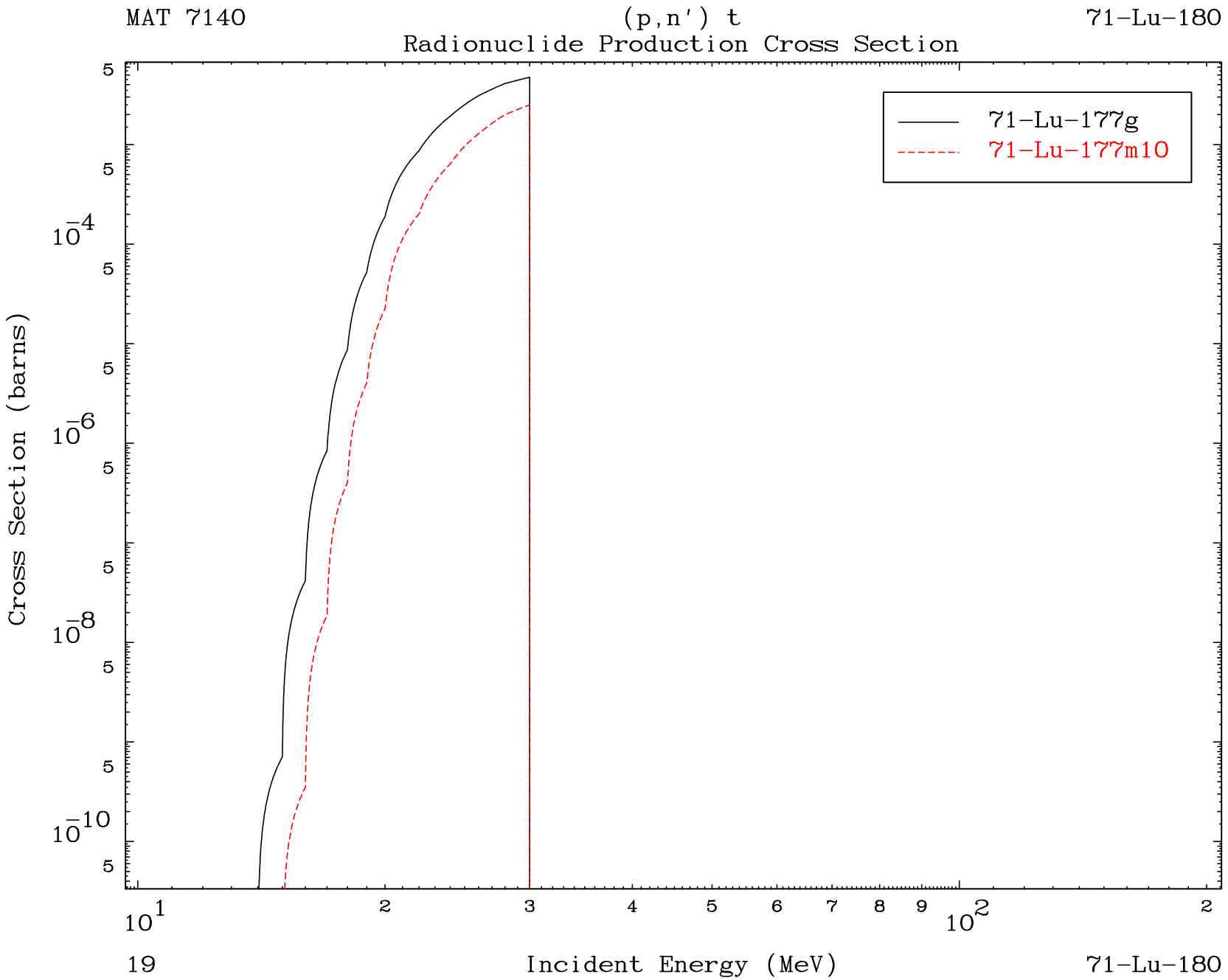

MAT 7140
(p,2n)
71-Lu-180
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m10
Cross Section (barns)
Incident Energy (MeV)
14
71-Lu-180

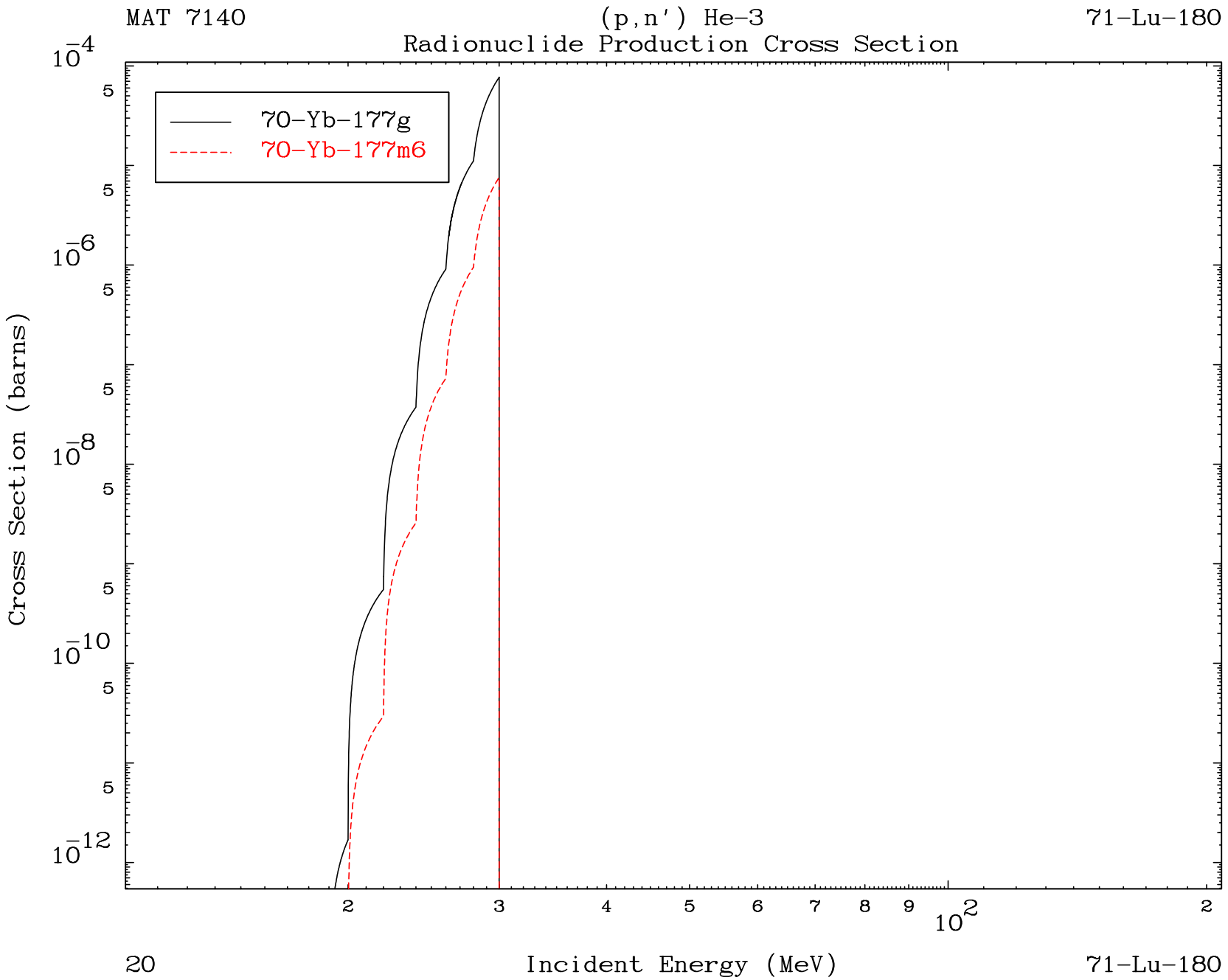

MAT 7140
(p,3n)
71-Lu-180
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178m10
Cross Section (barns)
Incident Energy (MeV)
15
71-Lu-180

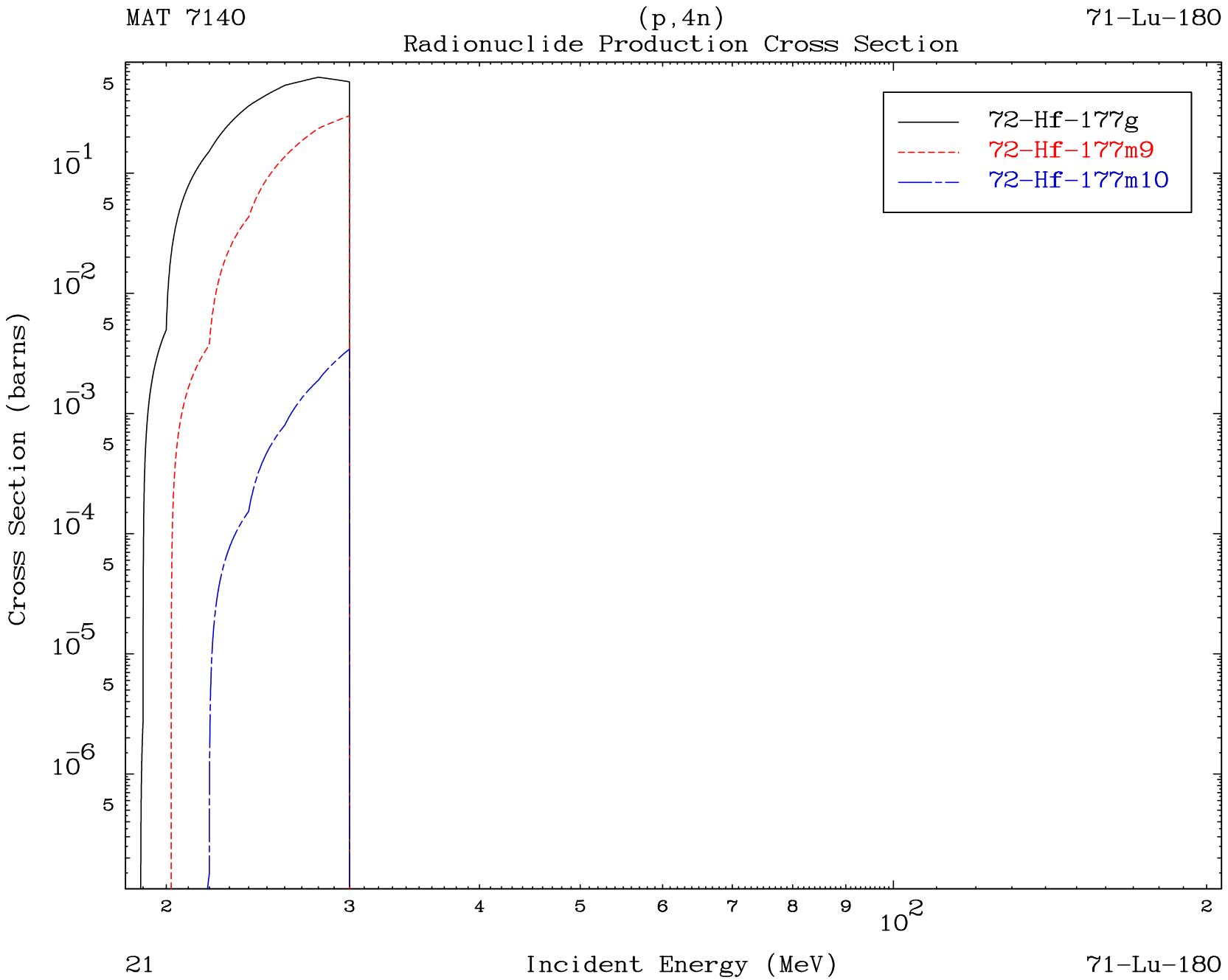

MAT 7140
Proton Fission
71-Lu-180
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
16
71-Lu-180

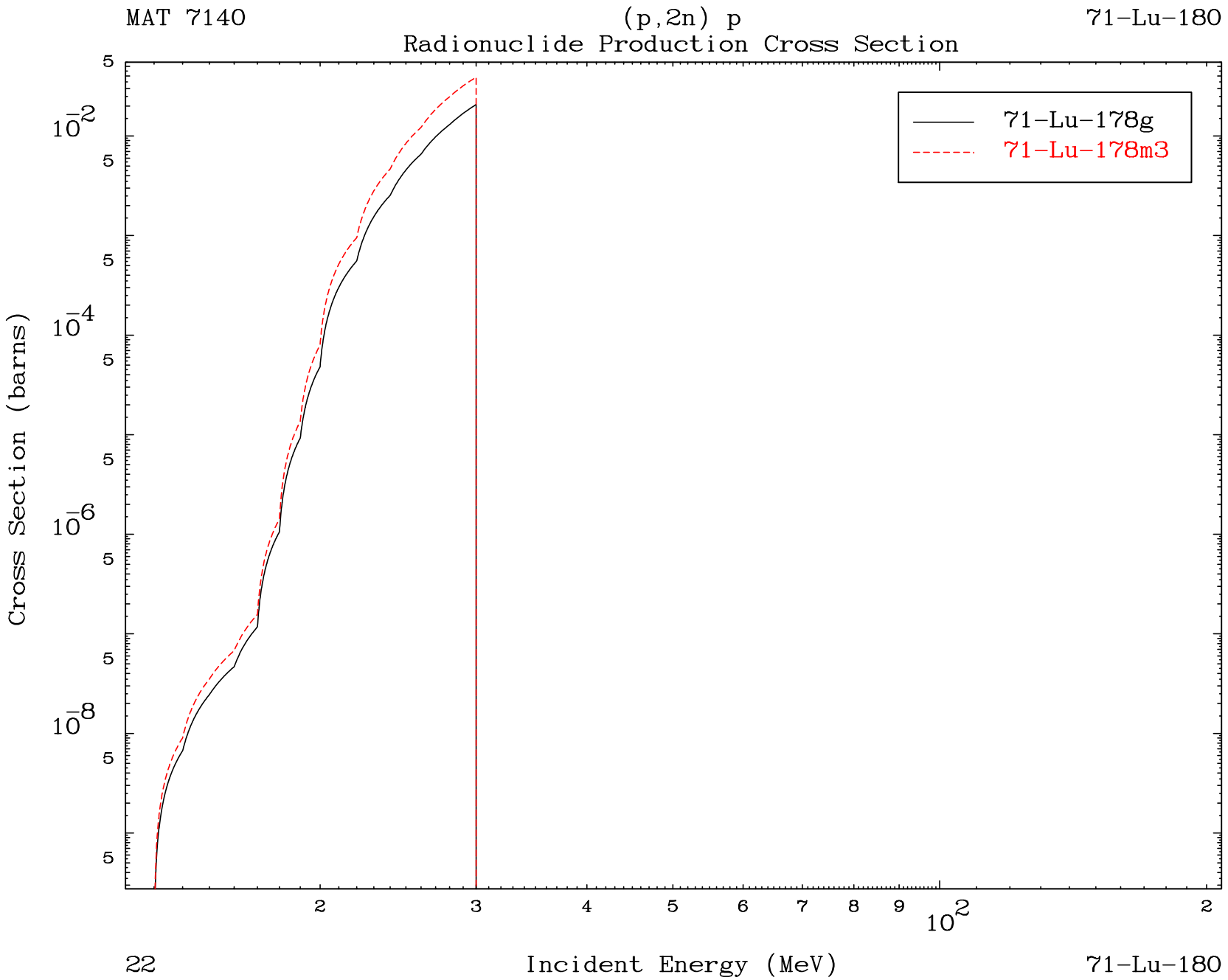

MAT 7140
(p,n') α
71-Lu-180
Radionuclide Production Cross Section
70-Yb-176g
70-Yb-176m5
Cross Section (barns)
Incident Energy (MeV)
17
71-Lu-180

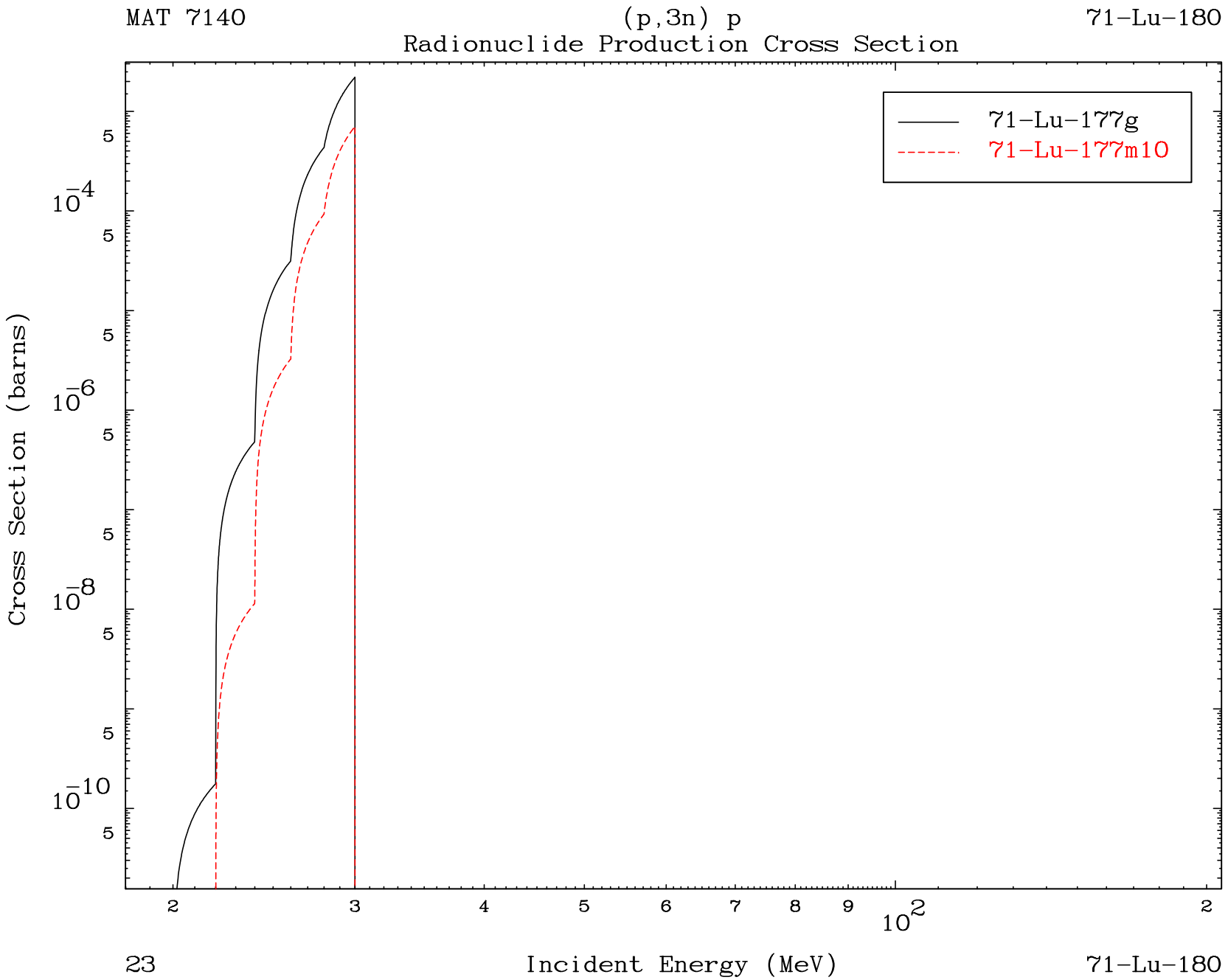

MAT 7140
(p,n') d
71-Lu-180
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
71-Lu-180
18

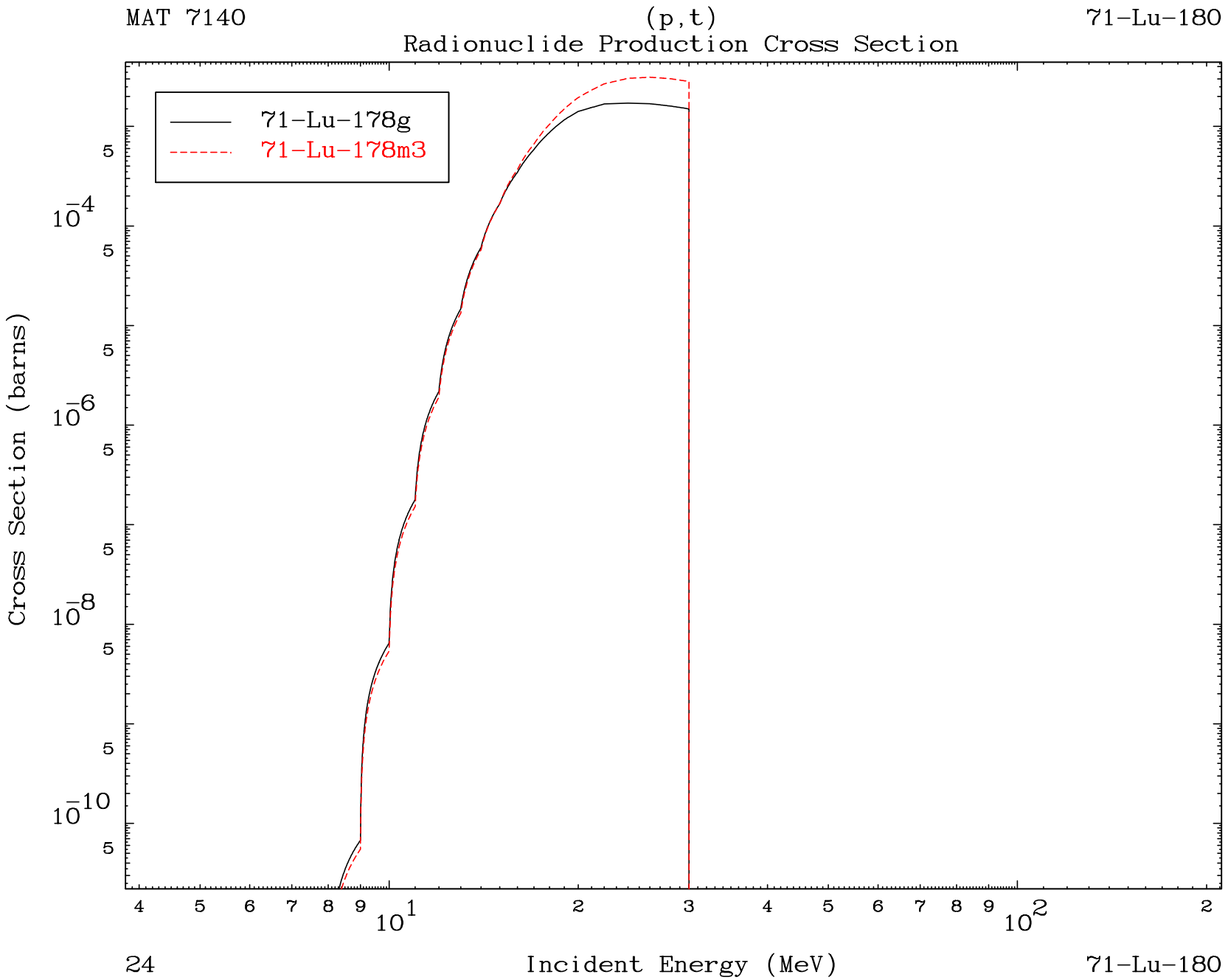

MAT 7140
(p,n') t
71-Lu-180
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m10
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
19
71-Lu-180

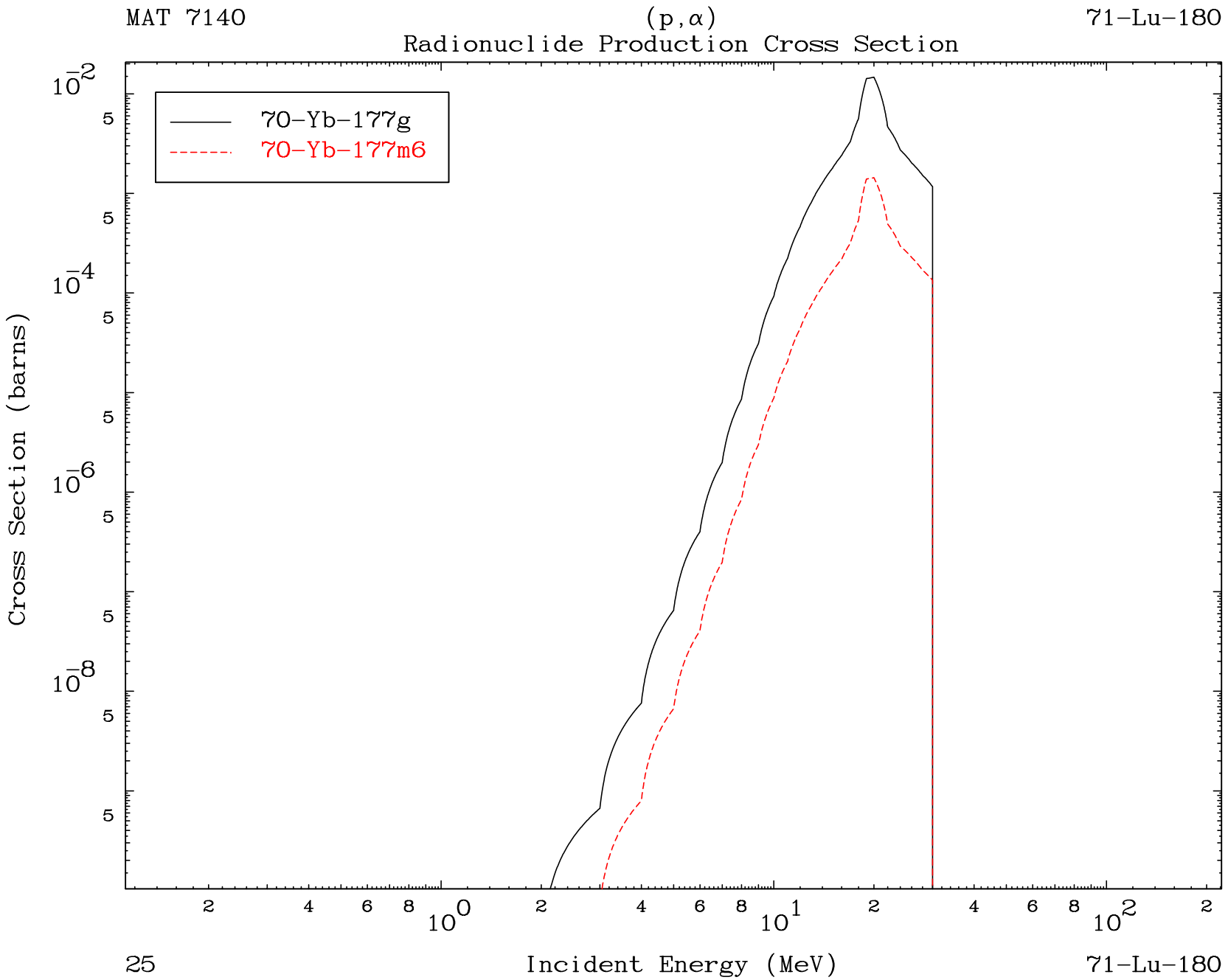

MAT 7140
(p,n') He-3
71-Lu-180
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
Incident Energy (MeV)
20
71-Lu-180

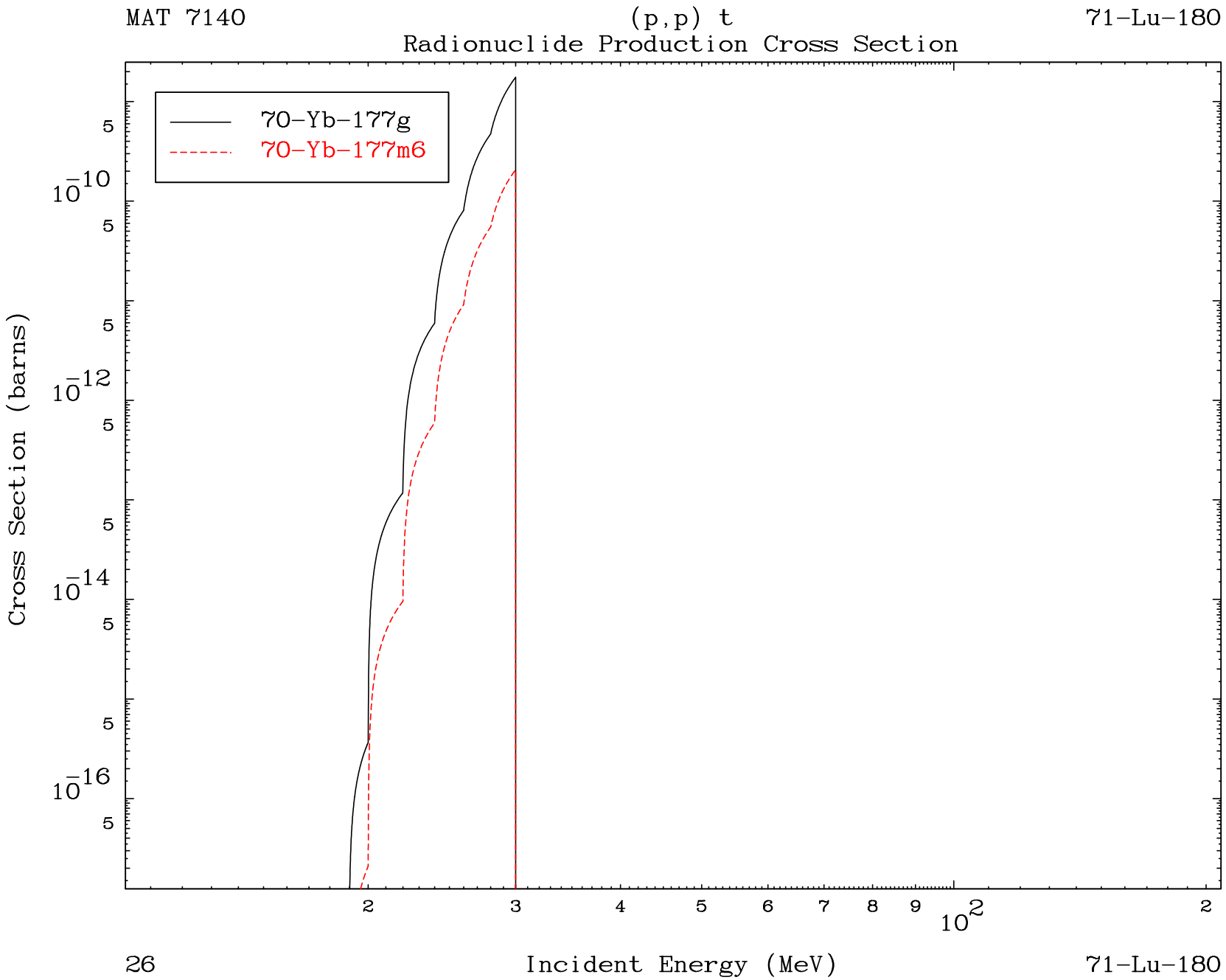

MAT 7140
(p,4n)
71-Lu-180
Radionuclide Production Cross Section
72-Hf-177g
72-Hf-177m9
72-Hf-177m10
Cross Section (barns)
Incident Energy (MeV)
21
71-Lu-180


MAT 7140
(p,2n) p
71-Lu-180
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
22
71-Lu-180


MAT 7140
(p,3n) p
71-Lu-180
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m10
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
71-Lu-180


MAT 7140
(p,t)
71-Lu-180
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
10-4
10-6
10-8
10-10
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
24
Incident Energy (MeV)
71-Lu-180


MAT 7140
(p,α)
71-Lu-180
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
Incident Energy (MeV)
25
71-Lu-180


MAT 7140
(p,p) t
71-Lu-180
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
26
71-Lu-180