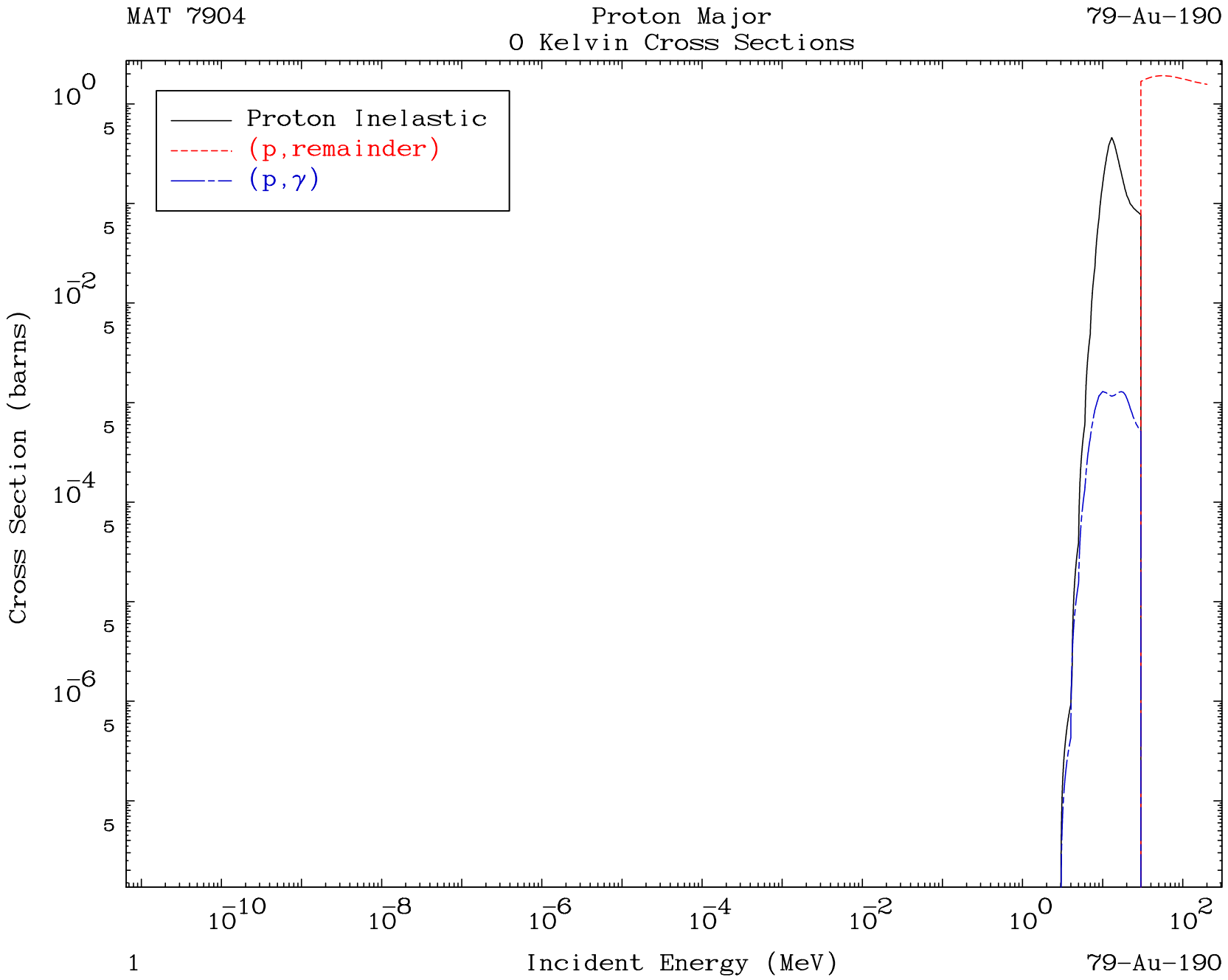
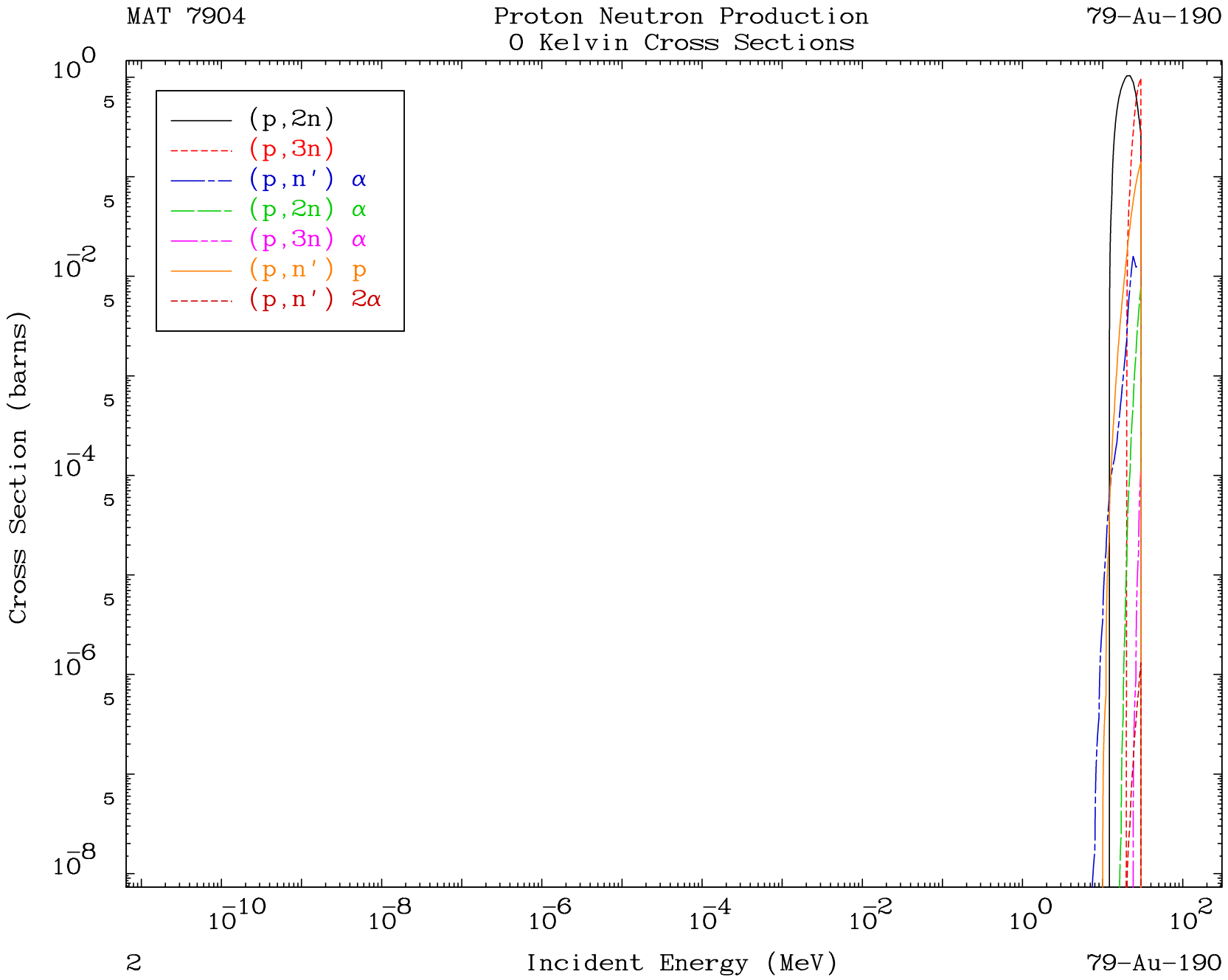
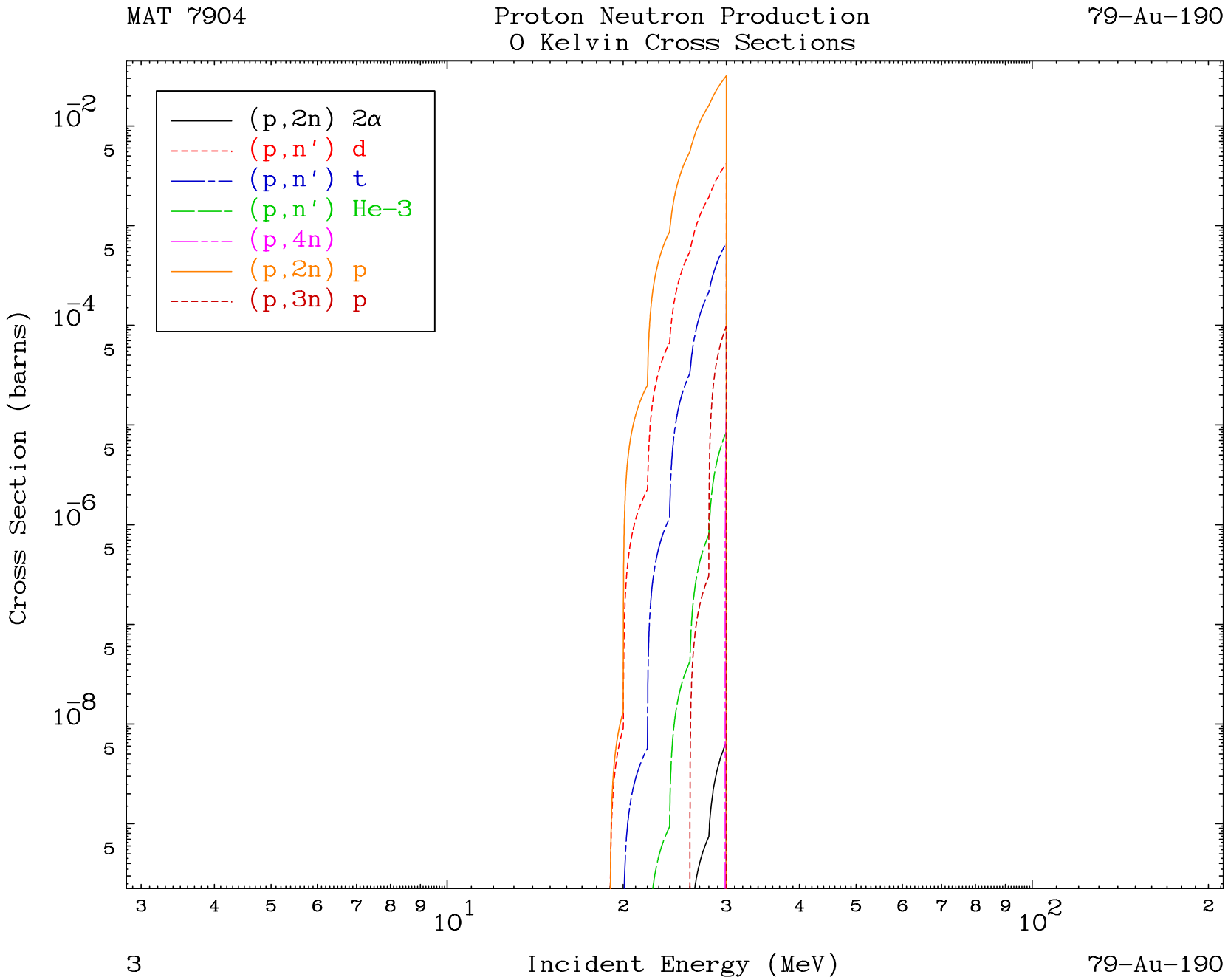
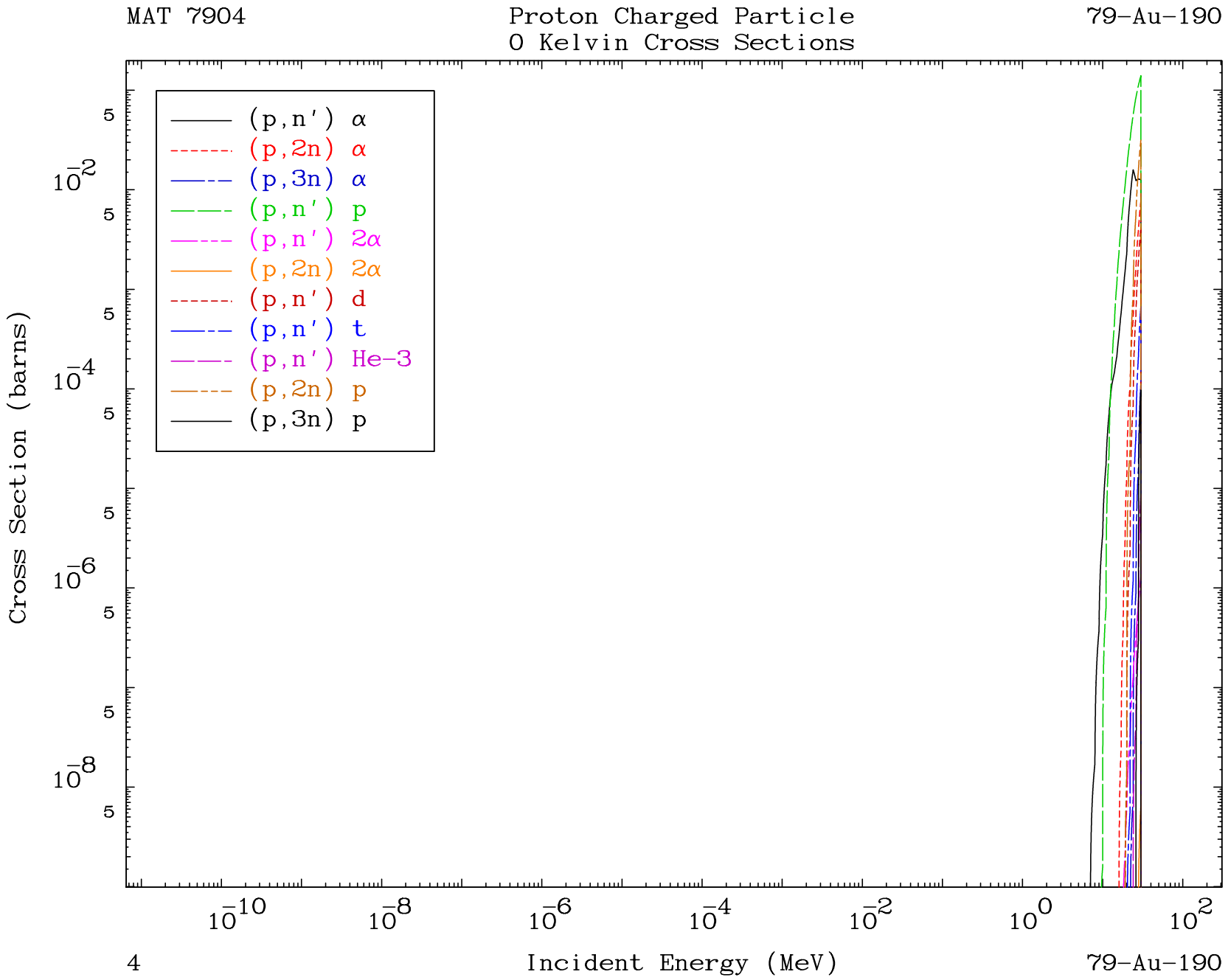
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

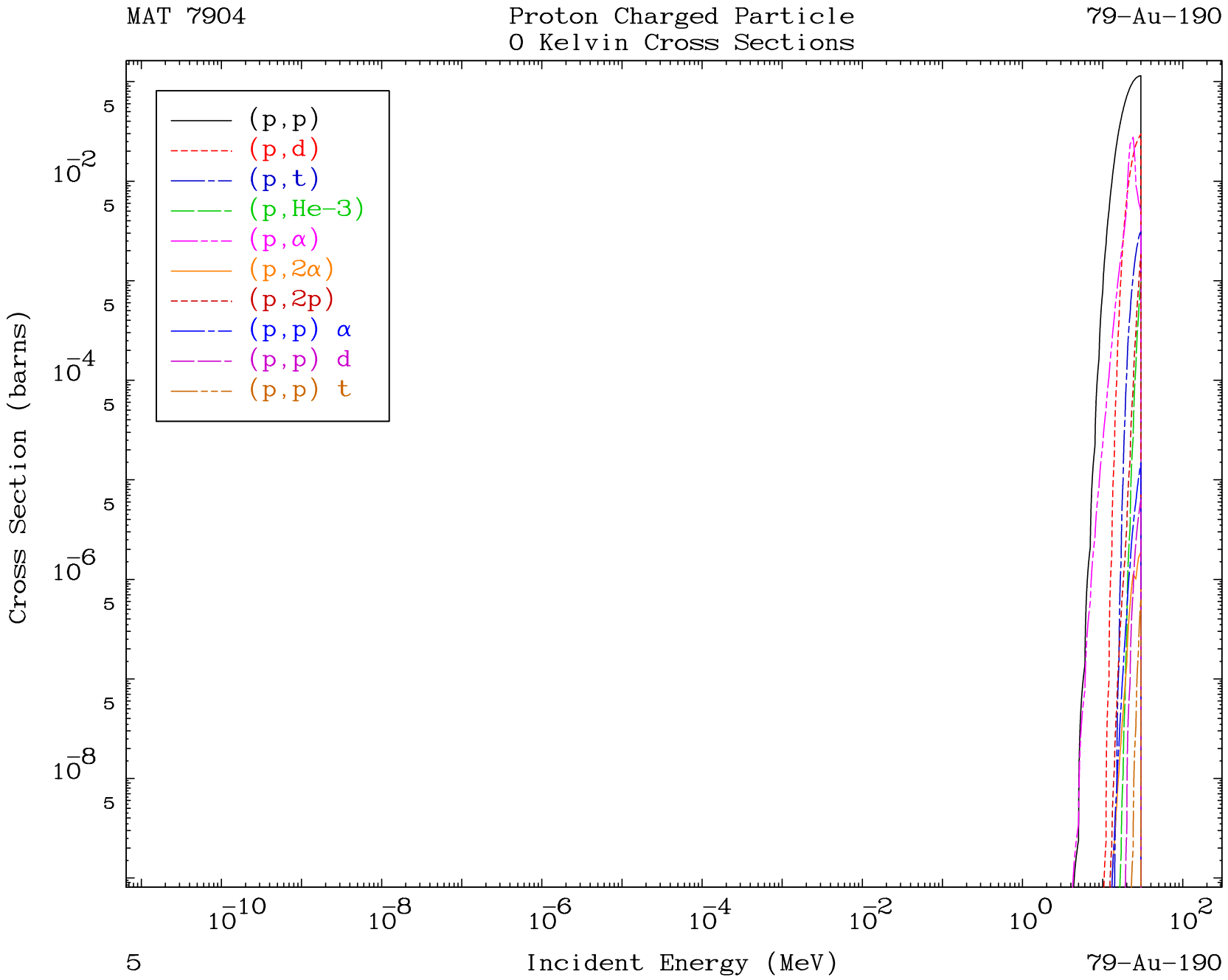
Press Mouse Button to Start

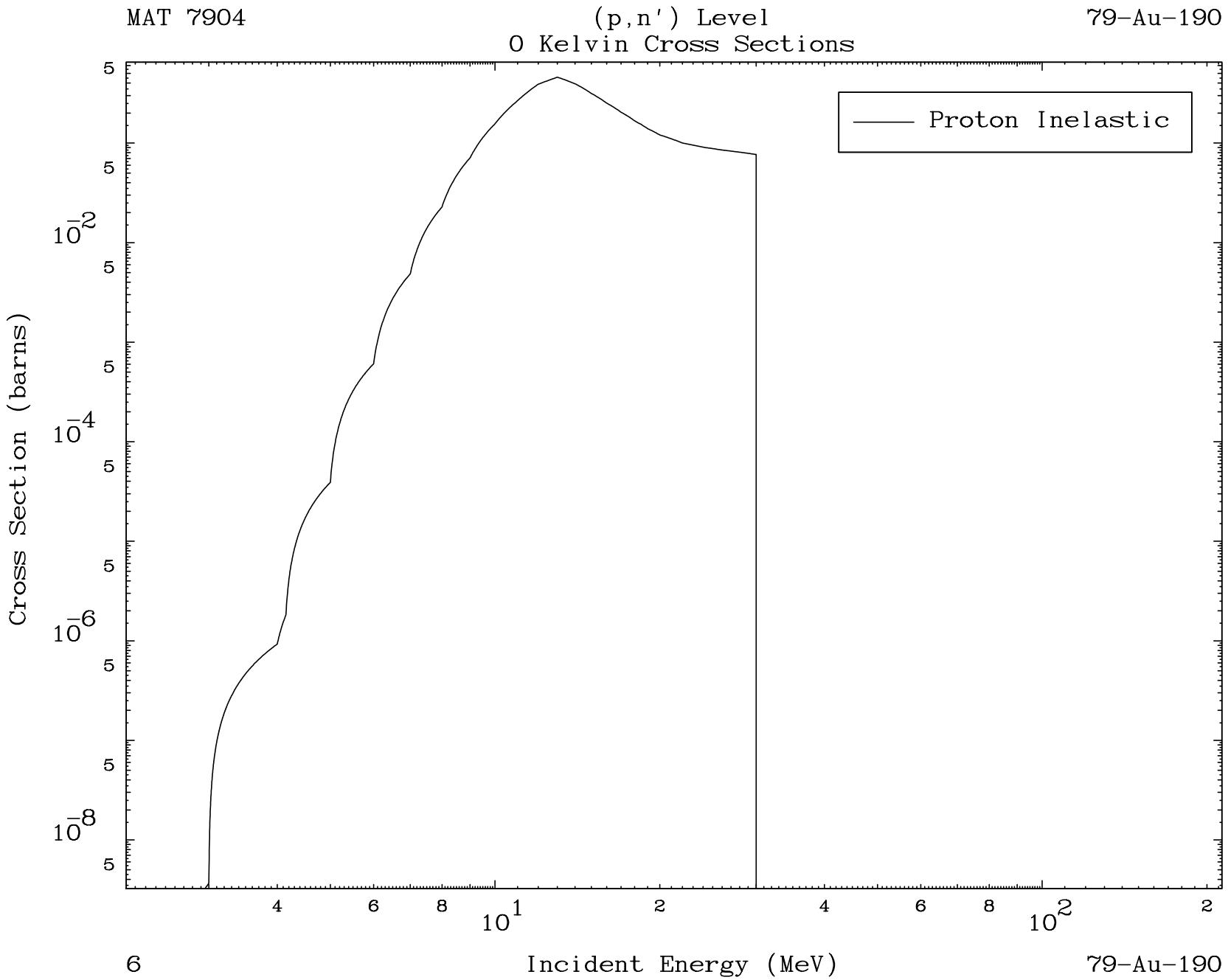

MAT 7904
Proton Major
79-Au-190
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
79-Au-190
1

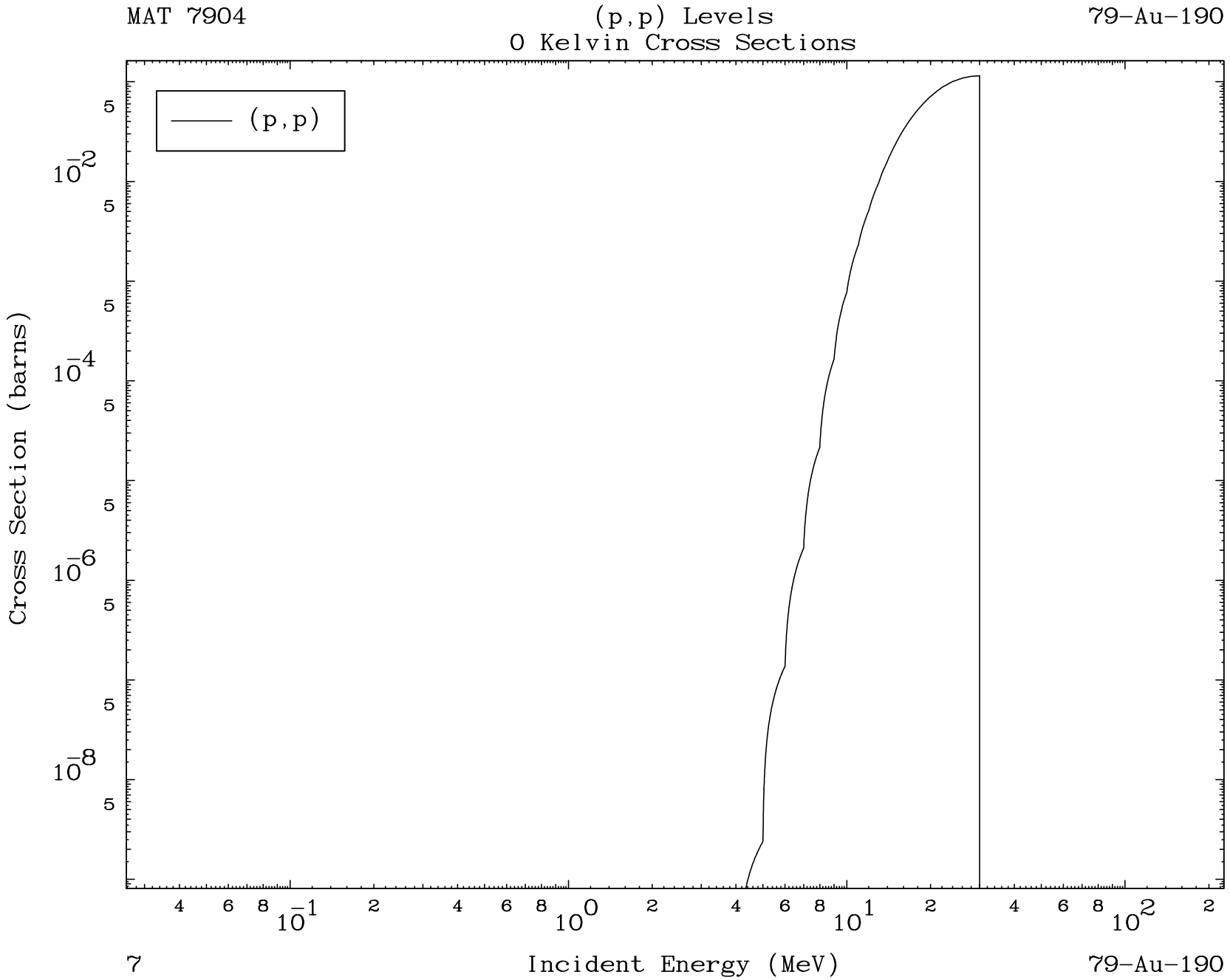

MAT 7904
Proton Neutron Production
0 Kelvin Cross Sections
79-Au-190
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
79-Au-190

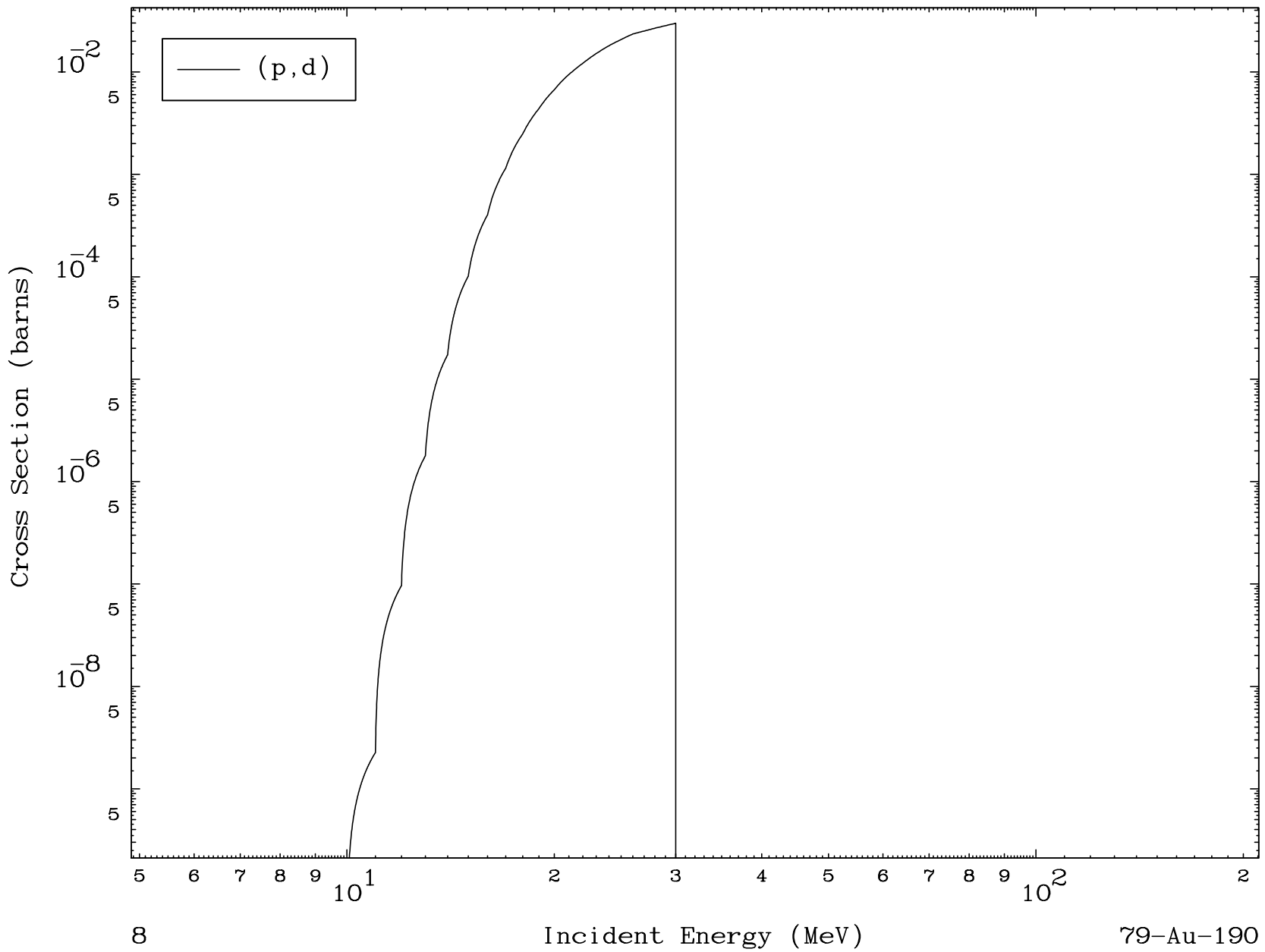

MAT 7904
Proton Neutron Production
0 Kelvin Cross Sections
79-Au-190
(p,2n) 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
79-Au-190

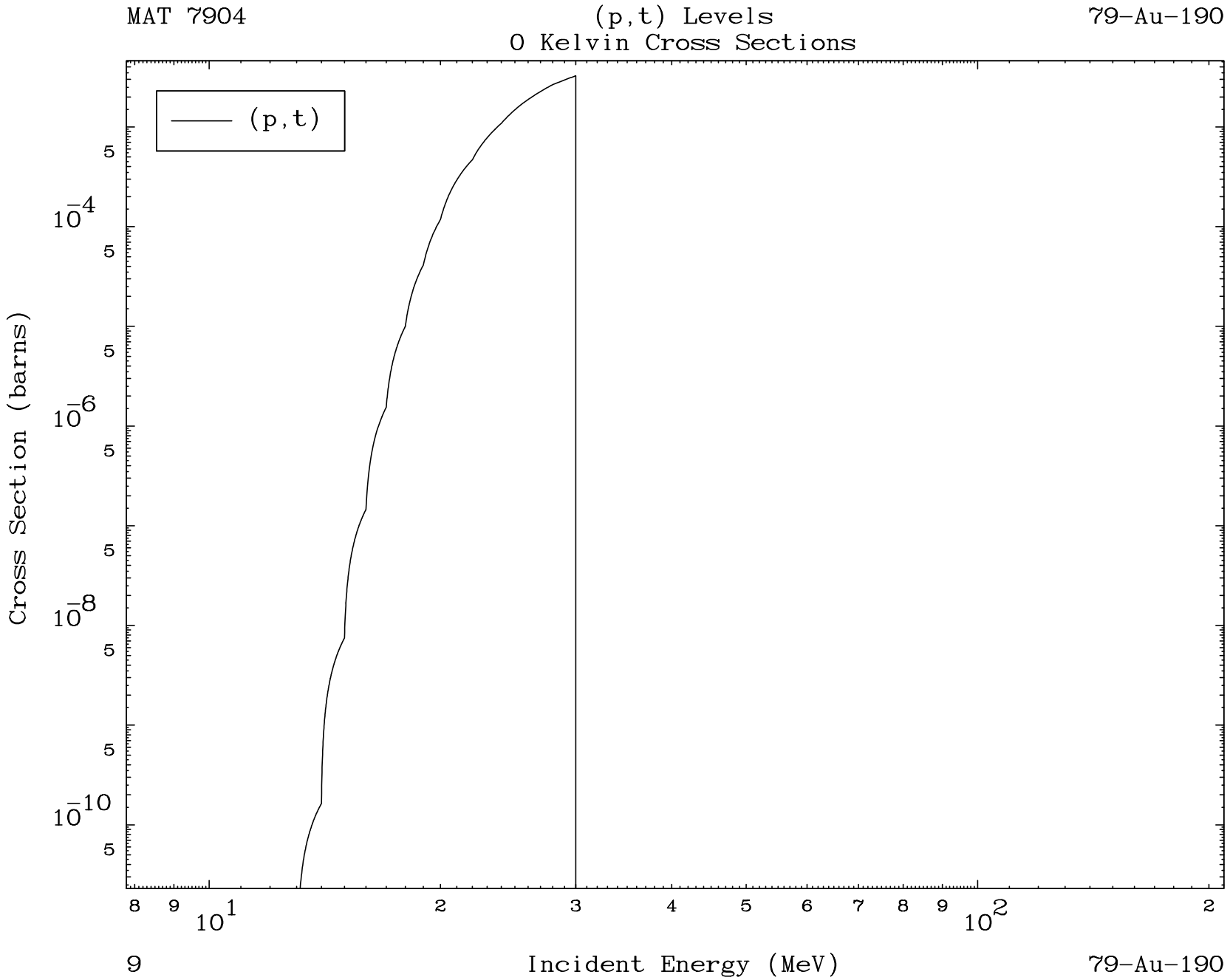

MAT 7904
Proton Charged Particle
0 Kelvin Cross Sections
79-Au-190
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,2n) 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
79-Au-190

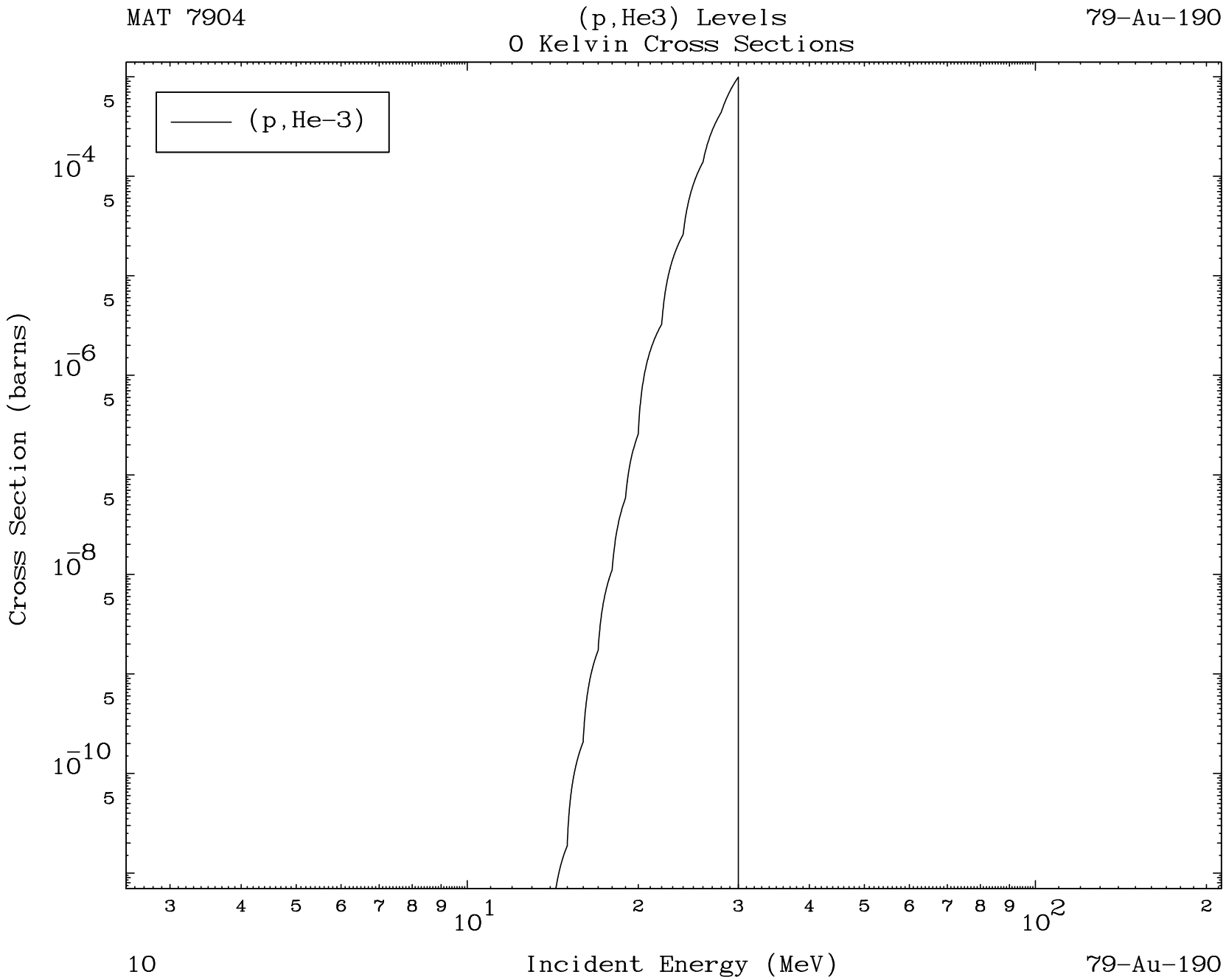

MAT 7904
Proton Charged Particle
0 Kelvin Cross Sections
79-Au-190
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
79-Au-190

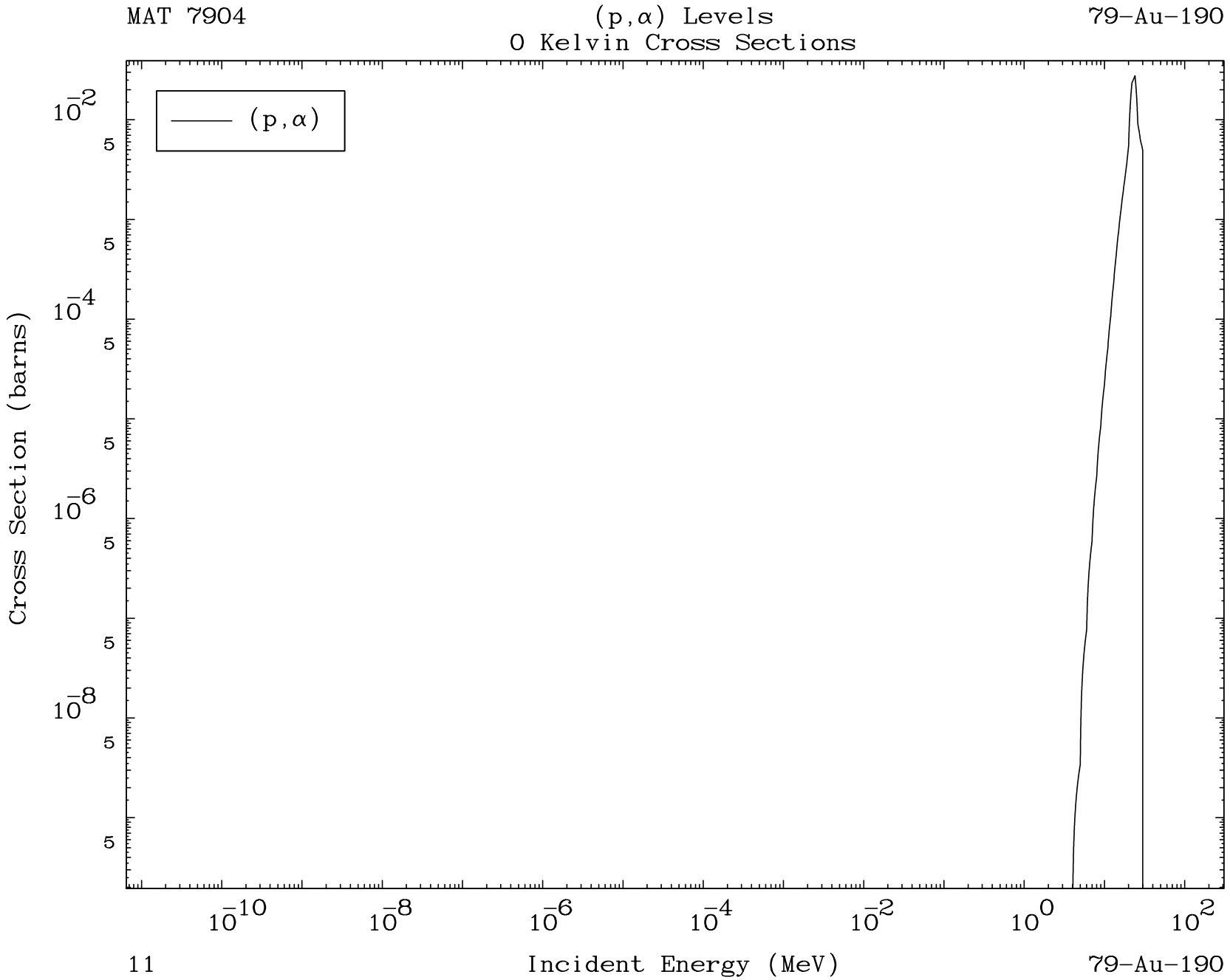

MAT 7904
(p,n') Level
79-Au-190
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
79-Au-190

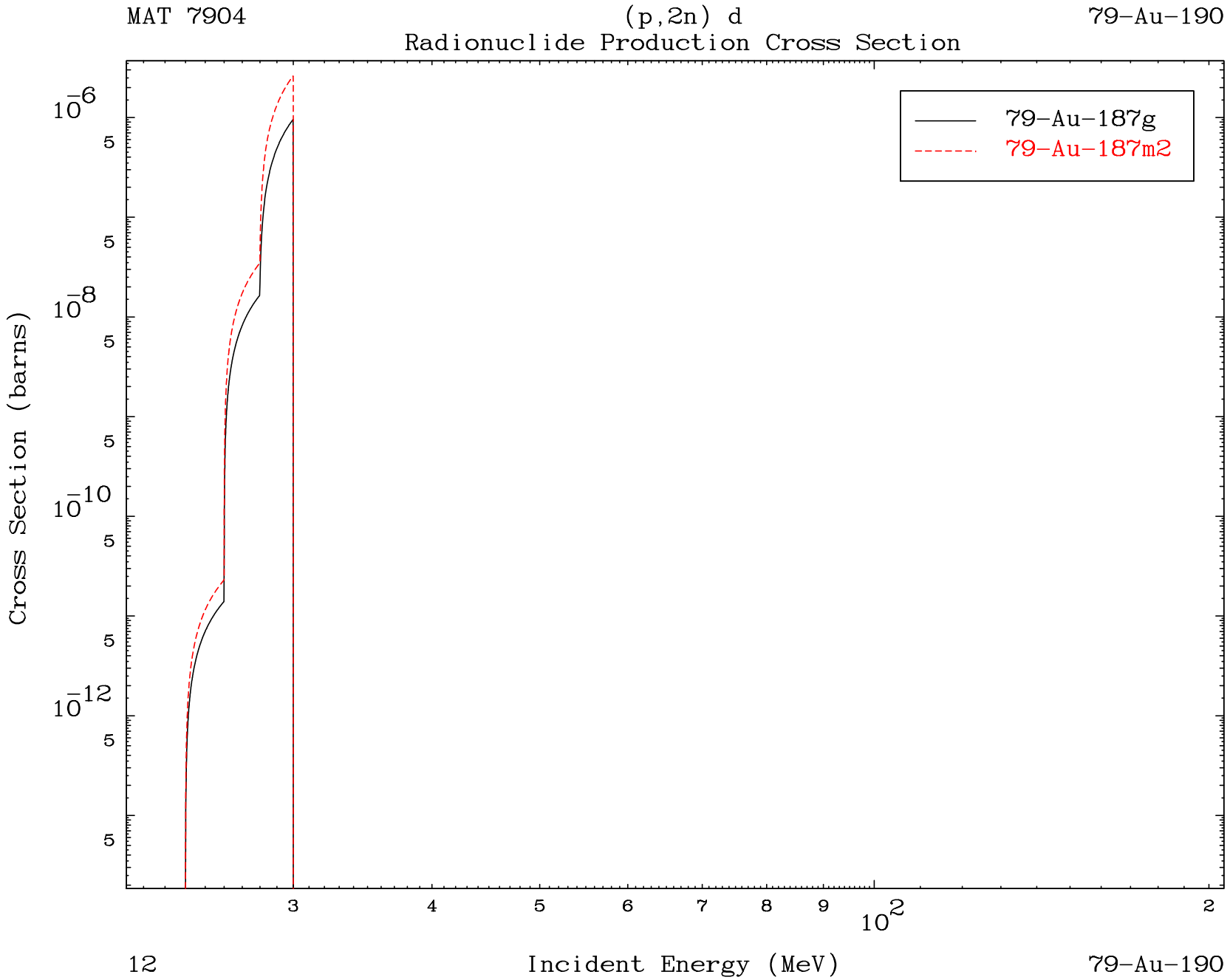

MAT 7904
(p,p) Levels
79-Au-190
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
79-Au-190

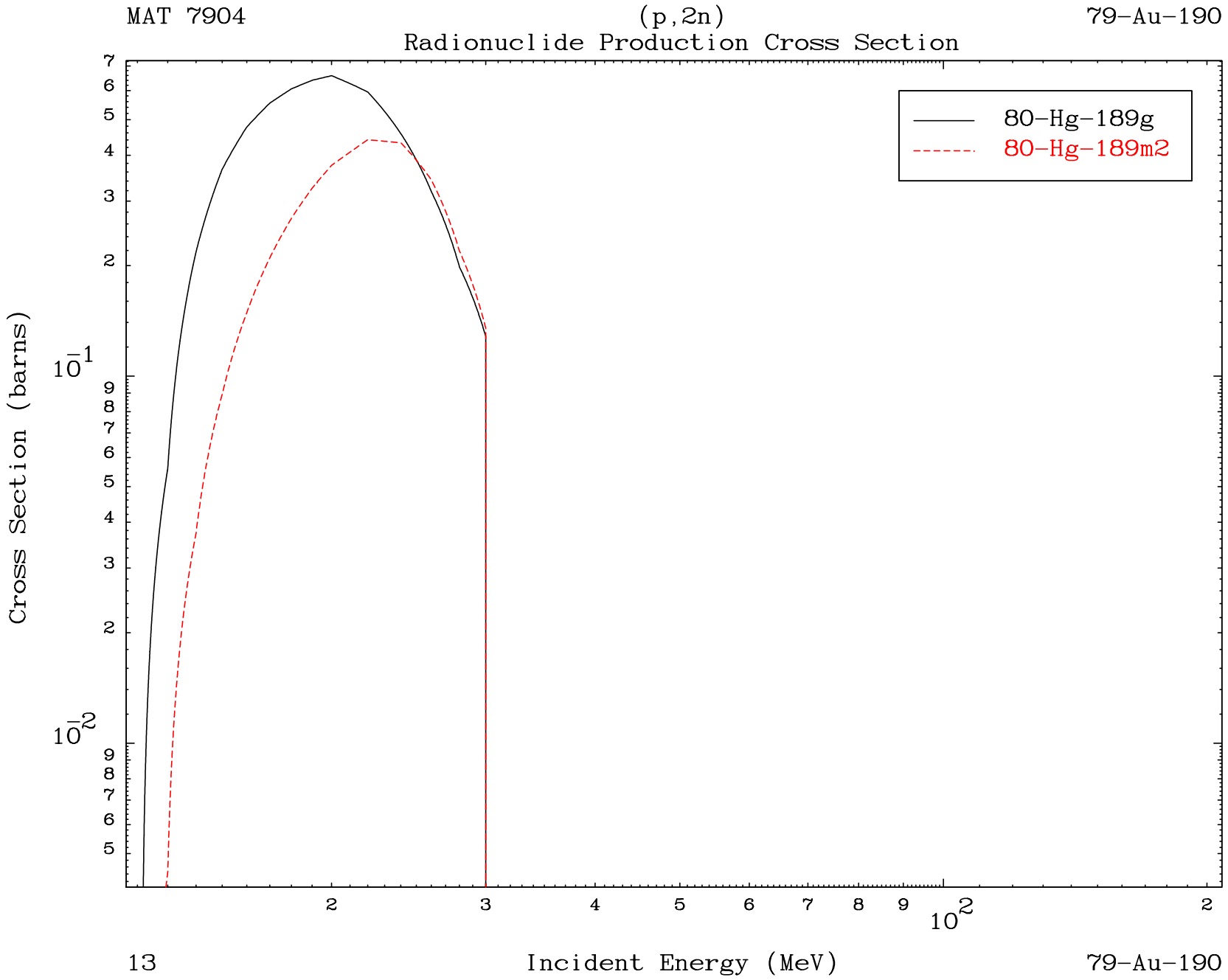

0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

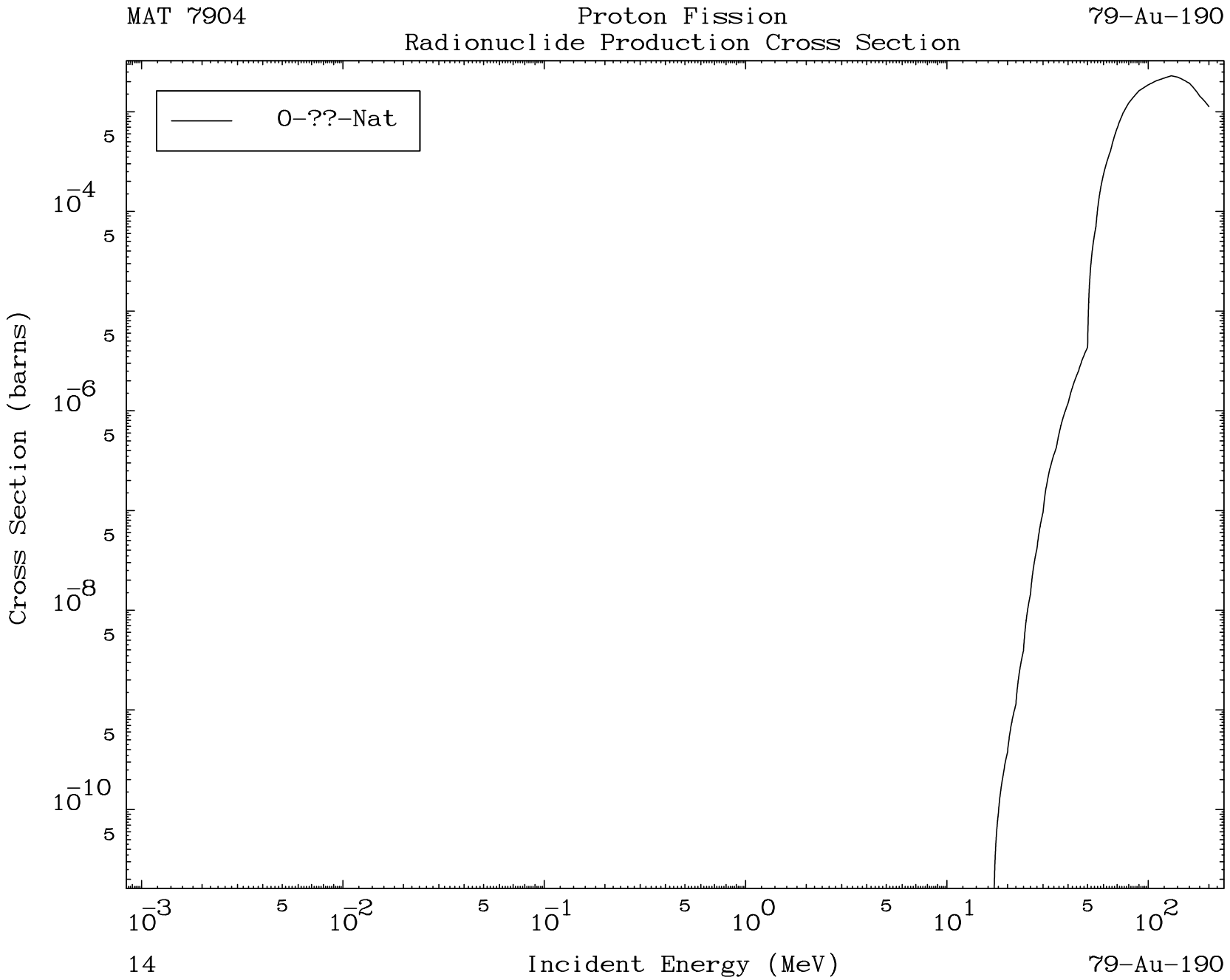

MAT 7904
(p,t) Levels
79-Au-190
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
79-Au-190

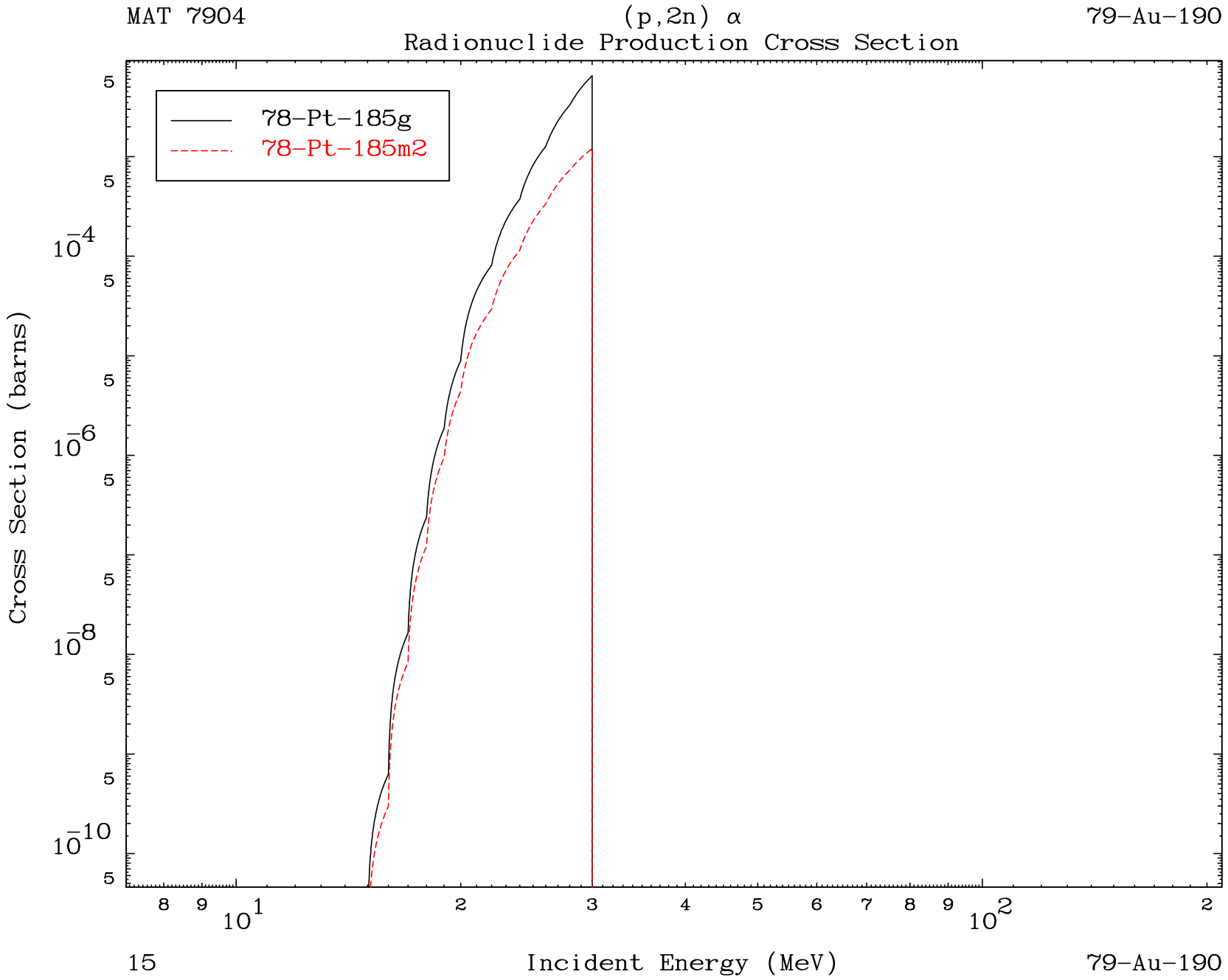

MAT 7904
(p,He3) Levels
79-Au-190
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
79-Au-190

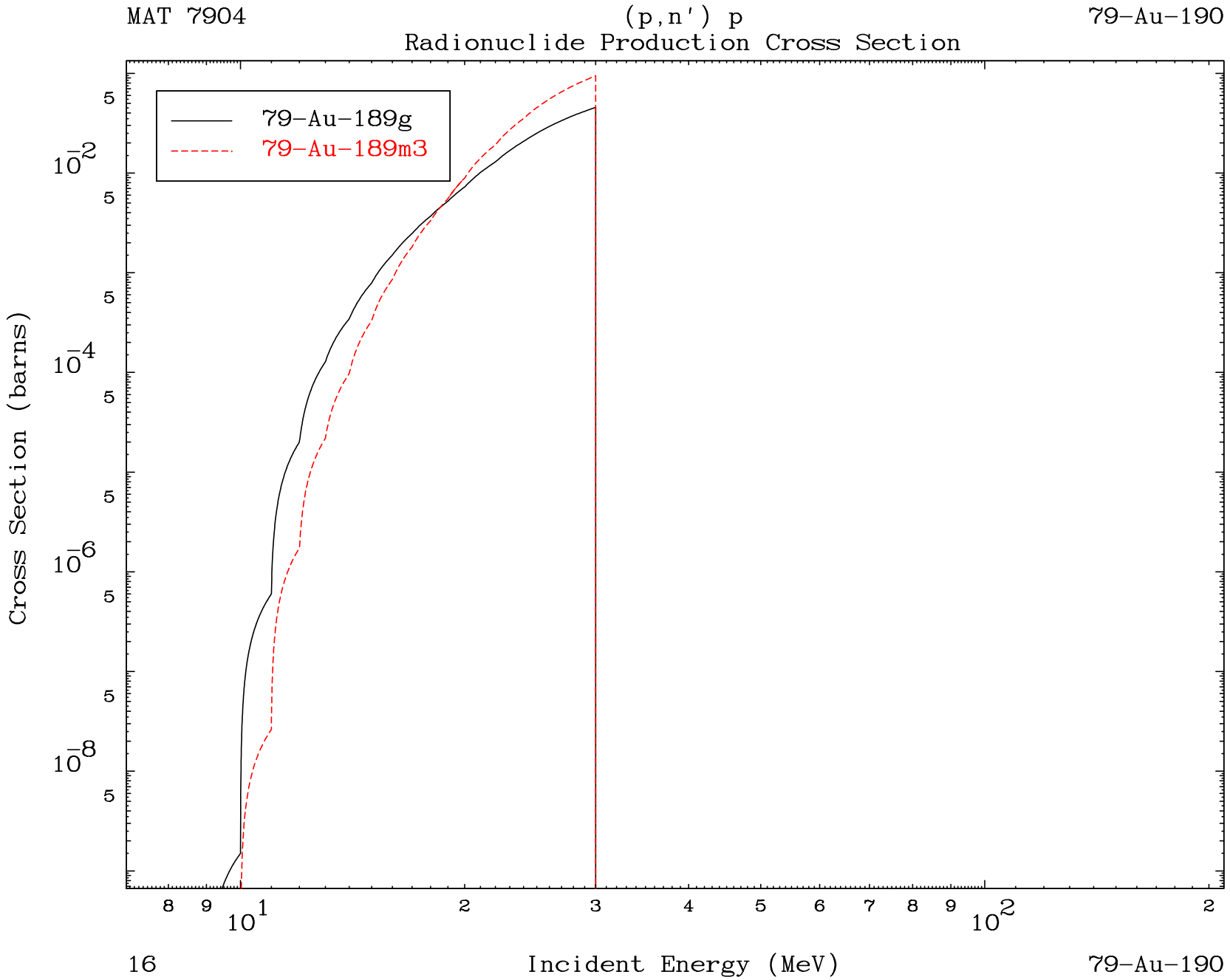

MAT 7904
(p,α) Levels
79-Au-190
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
79-Au-190

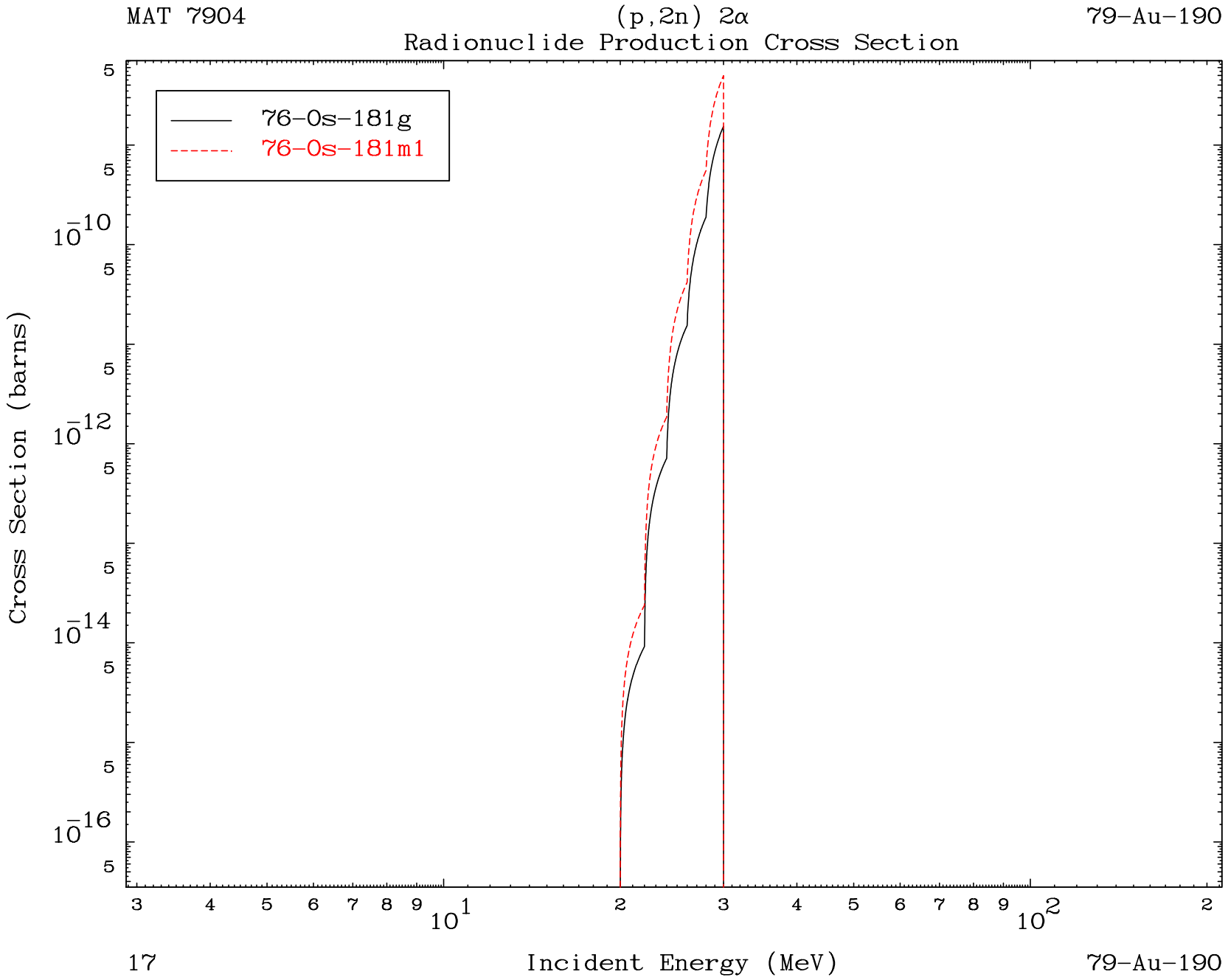

MAT 7904
(p,2n) d
79-Au-190
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
79-Au-190

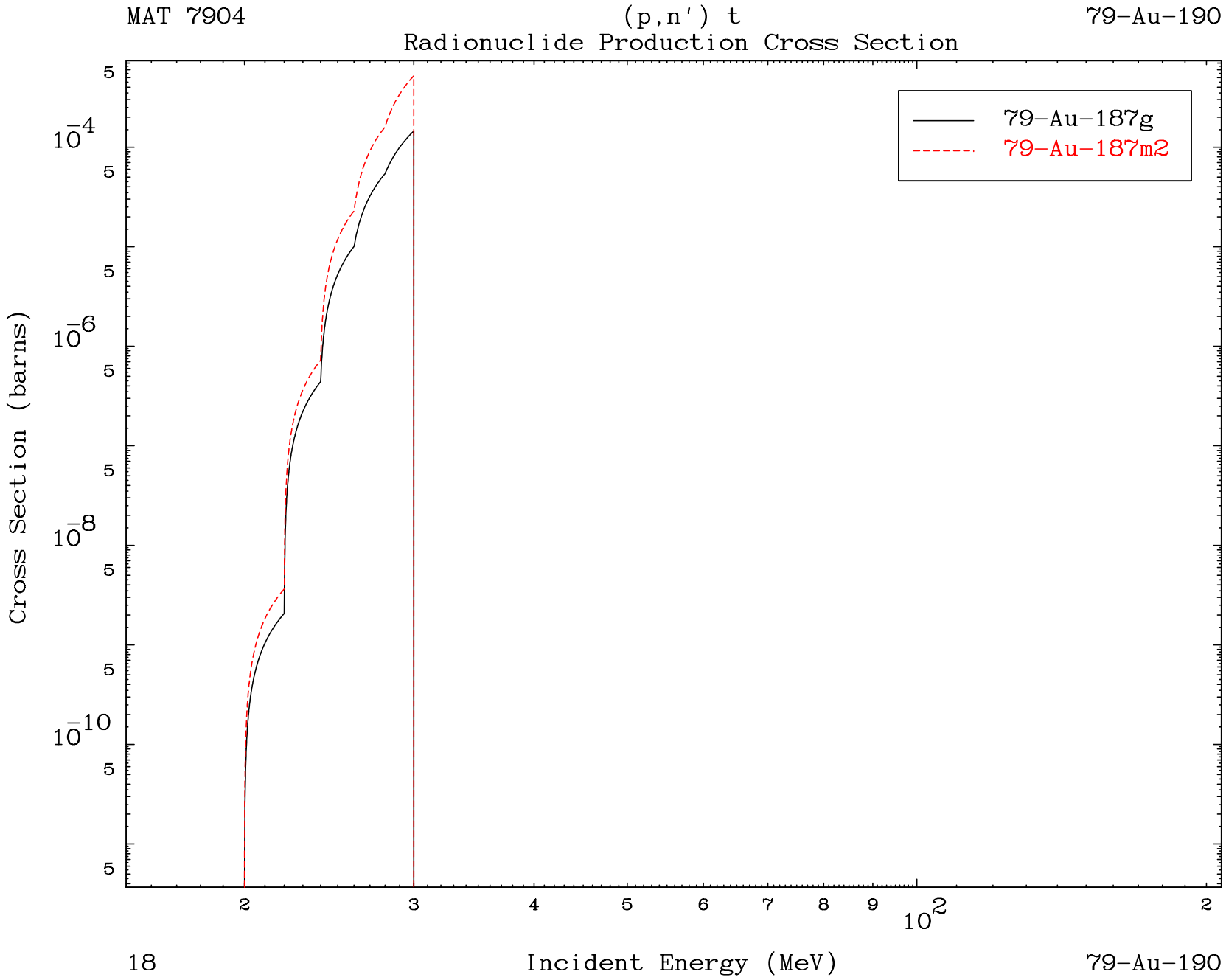

MAT 7904
(p,2n)
79-Au-190
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
10-1
10-2
2
3
4
5
6
7
8
9
10 2
13
Incident Energy (MeV)
79-Au-190

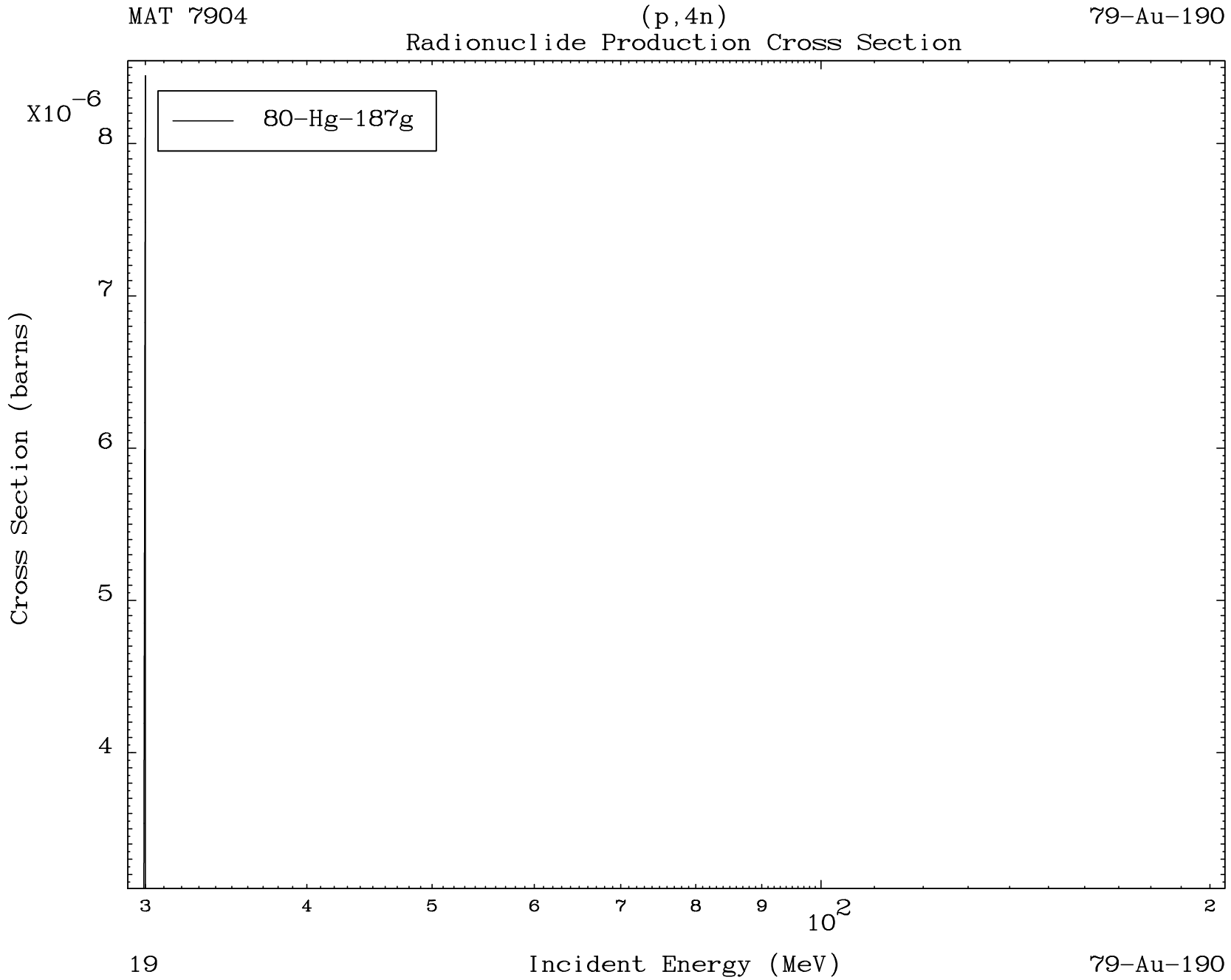

MAT 7904
Proton Fission
79-Au-190
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-3
10^-2
10^-1
10^0
10^1
10^2
14
Incident Energy (MeV)
79-Au-190

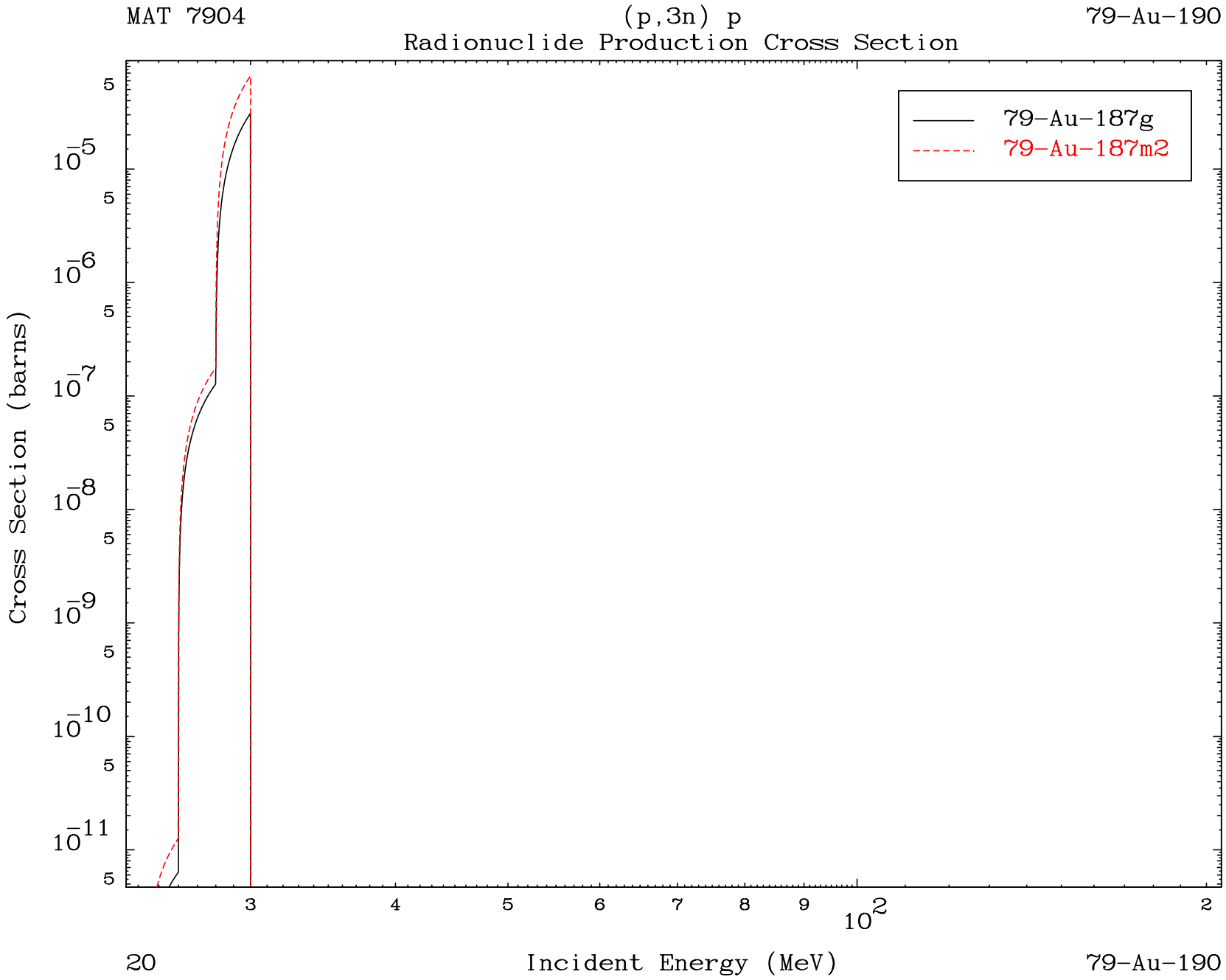

MAT 7904
(p,2n) α
79-Au-190
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
Incident Energy (MeV)
15
79-Au-190

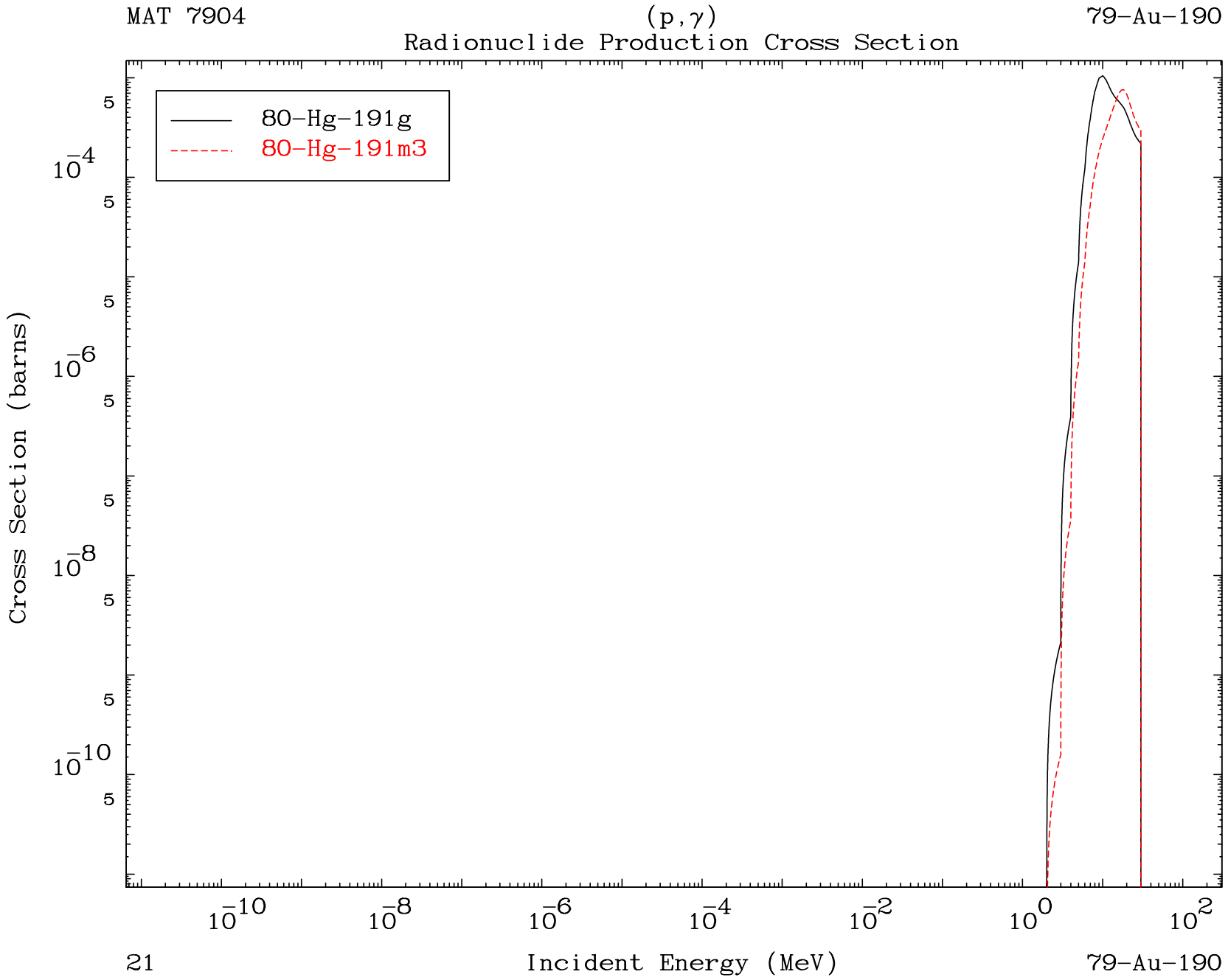

MAT 7904
(p,n') p
79-Au-190
Radionuclide Production Cross Section
79-Au-189g
79-Au-189m3
Cross Section (barns)
Incident Energy (MeV)
16
79-Au-190

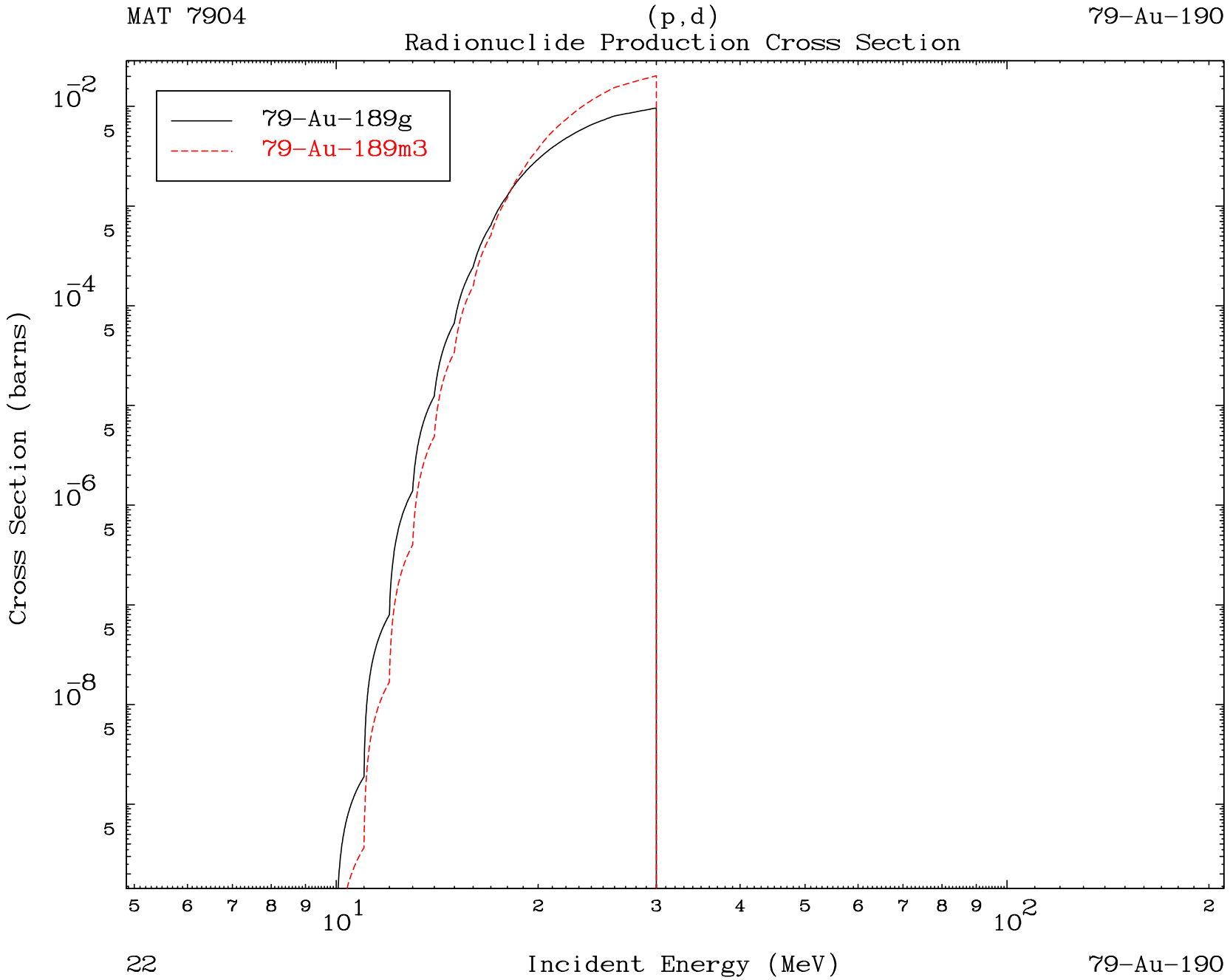

MAT 7904
(p,2n) 2α
79-Au-190
Radionuclide Production Cross Section
76-Os-181g
76-Os-181m1
Cross Section (barns)
Incident Energy (MeV)
17
79-Au-190

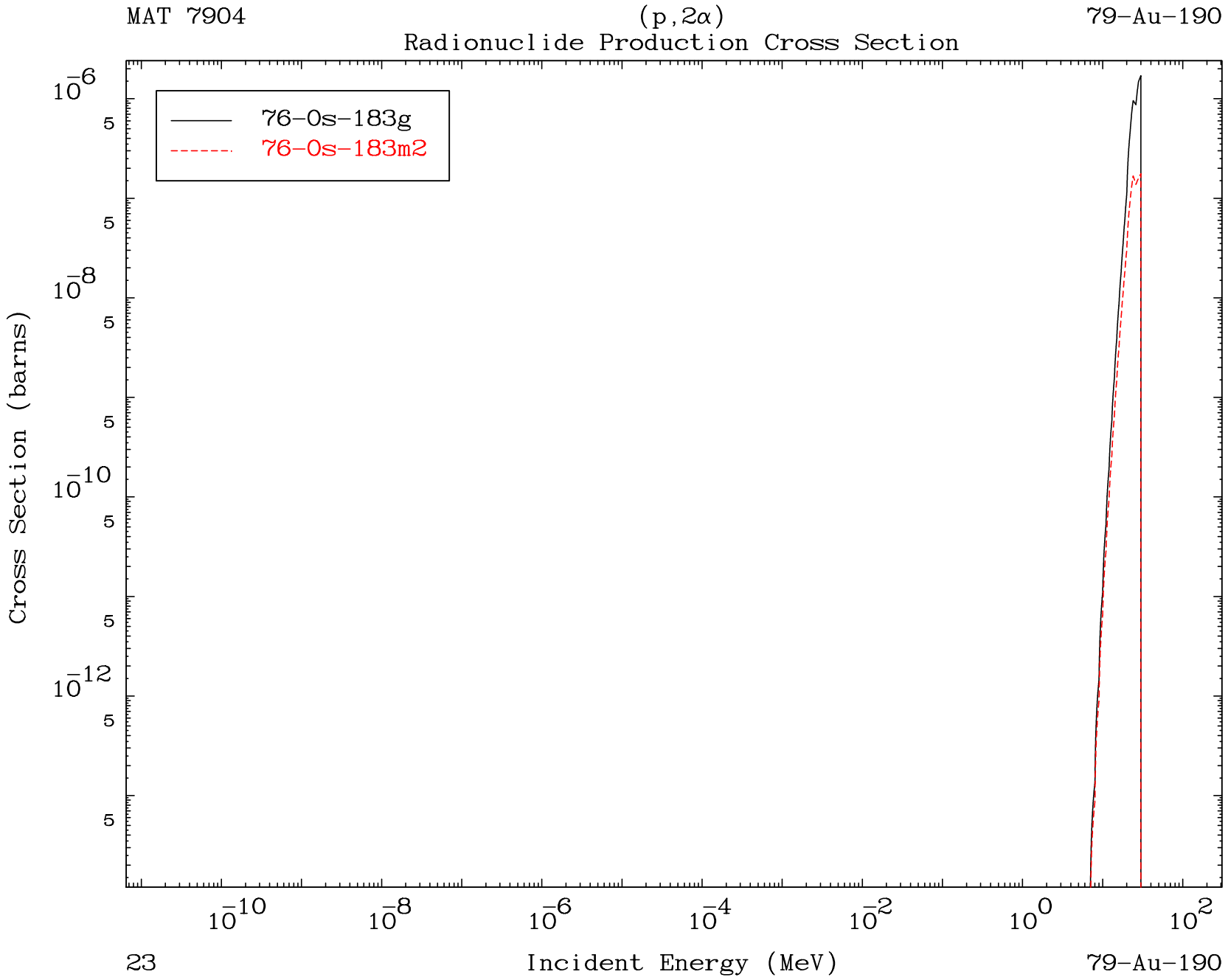

MAT 7904
(p,n') t
79-Au-190
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
Incident Energy (MeV)
18
79-Au-190

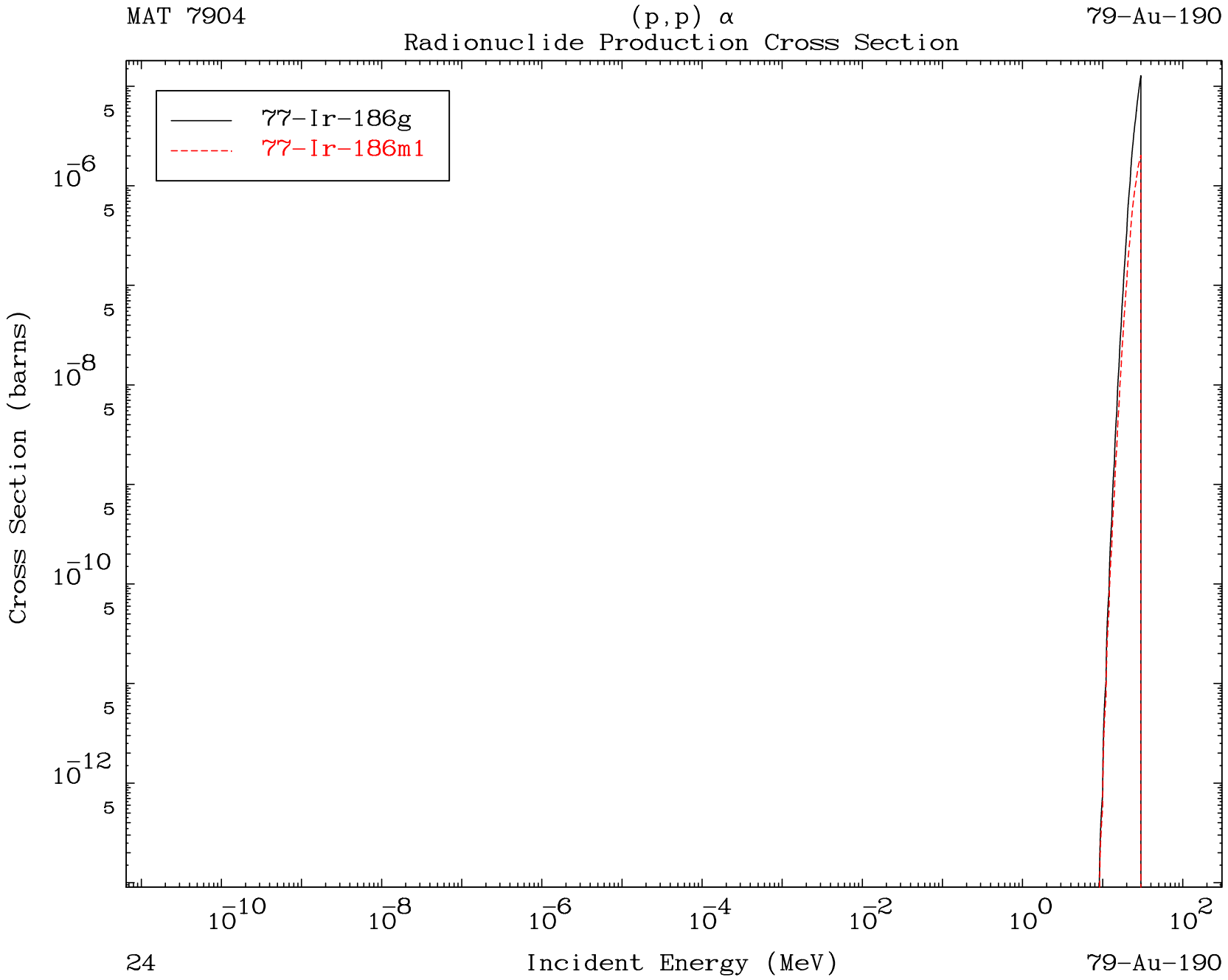

MAT 7904
(p,4n)
79-Au-190
Radionuclide Production Cross Section
80-Hg-187g
X10^-6
8
7
6
5
4
Cross Section (barns)
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
79-Au-190


MAT 7904
(p,3n) p
79-Au-190
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
Incident Energy (MeV)
20
79-Au-190


MAT 7904
(p,γ)
79-Au-190
Radionuclide Production Cross Section
80-Hg-191g
80-Hg-191m3
Cross Section (barns)
Incident Energy (MeV)
21
79-Au-190


MAT 7904
(p,d)
79-Au-190
Radionuclide Production Cross Section
79-Au-189g
79-Au-189m3
Cross Section (barns)
Incident Energy (MeV)
22
79-Au-190


MAT 7904
(p,2α)
79-Au-190
Radionuclide Production Cross Section
76-Os-183g
76-Os-183m2
Cross Section (barns)
Incident Energy (MeV)
23
79-Au-190


MAT 7904
(p,p) α
79-Au-190
Radionuclide Production Cross Section
77-Ir-186g
77-Ir-186m1
Cross Section (barns)
Incident Energy (MeV)
24
79-Au-190