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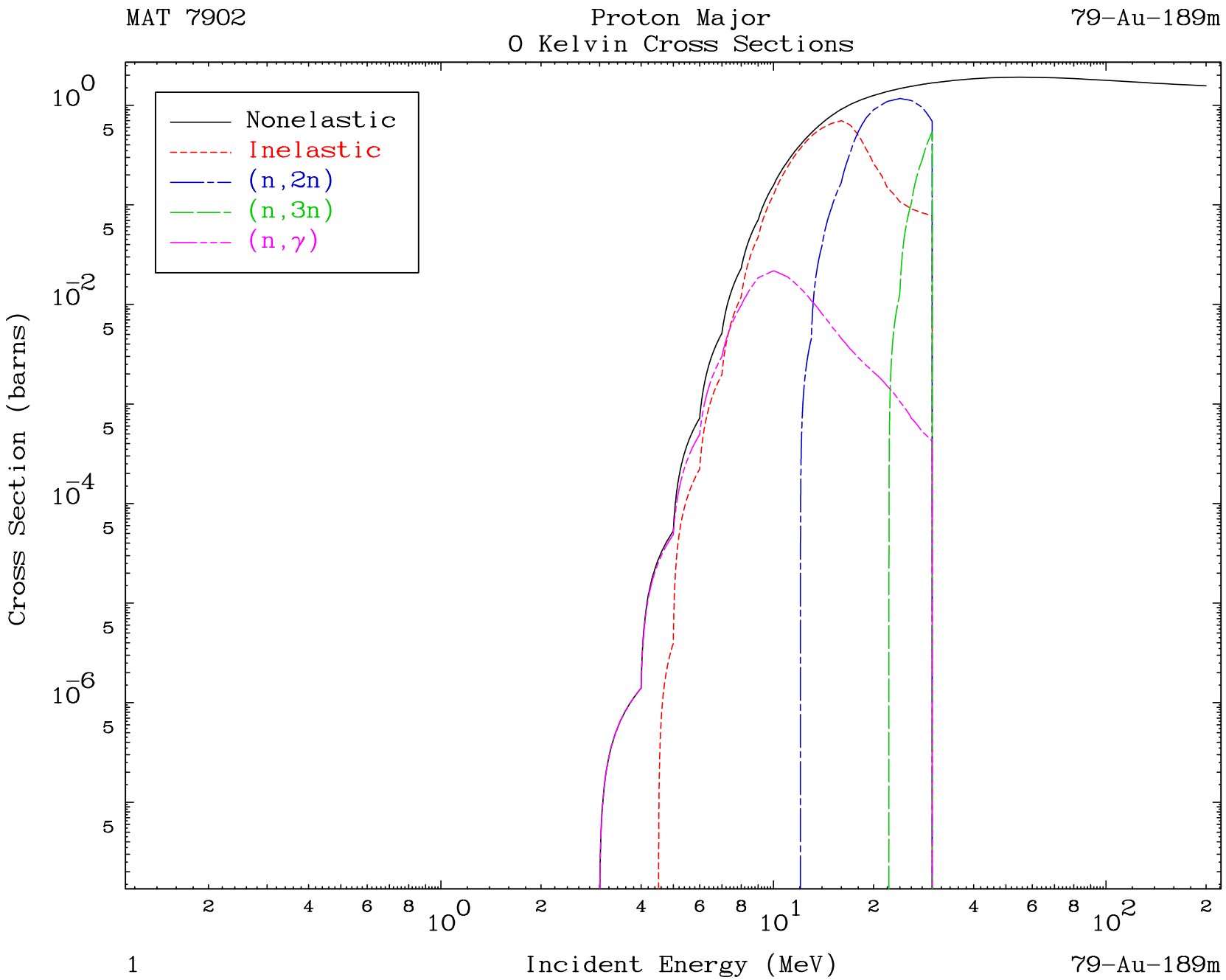
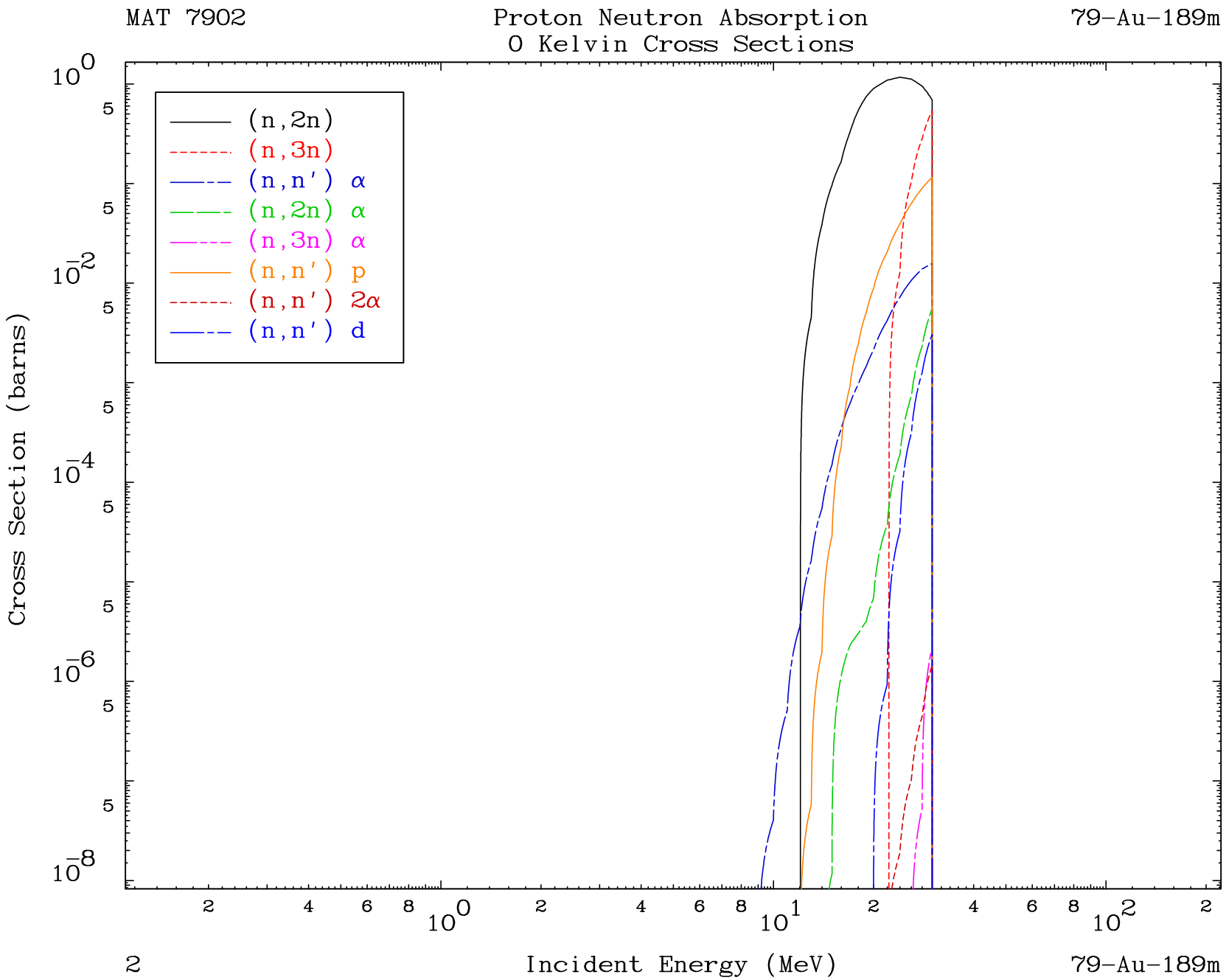
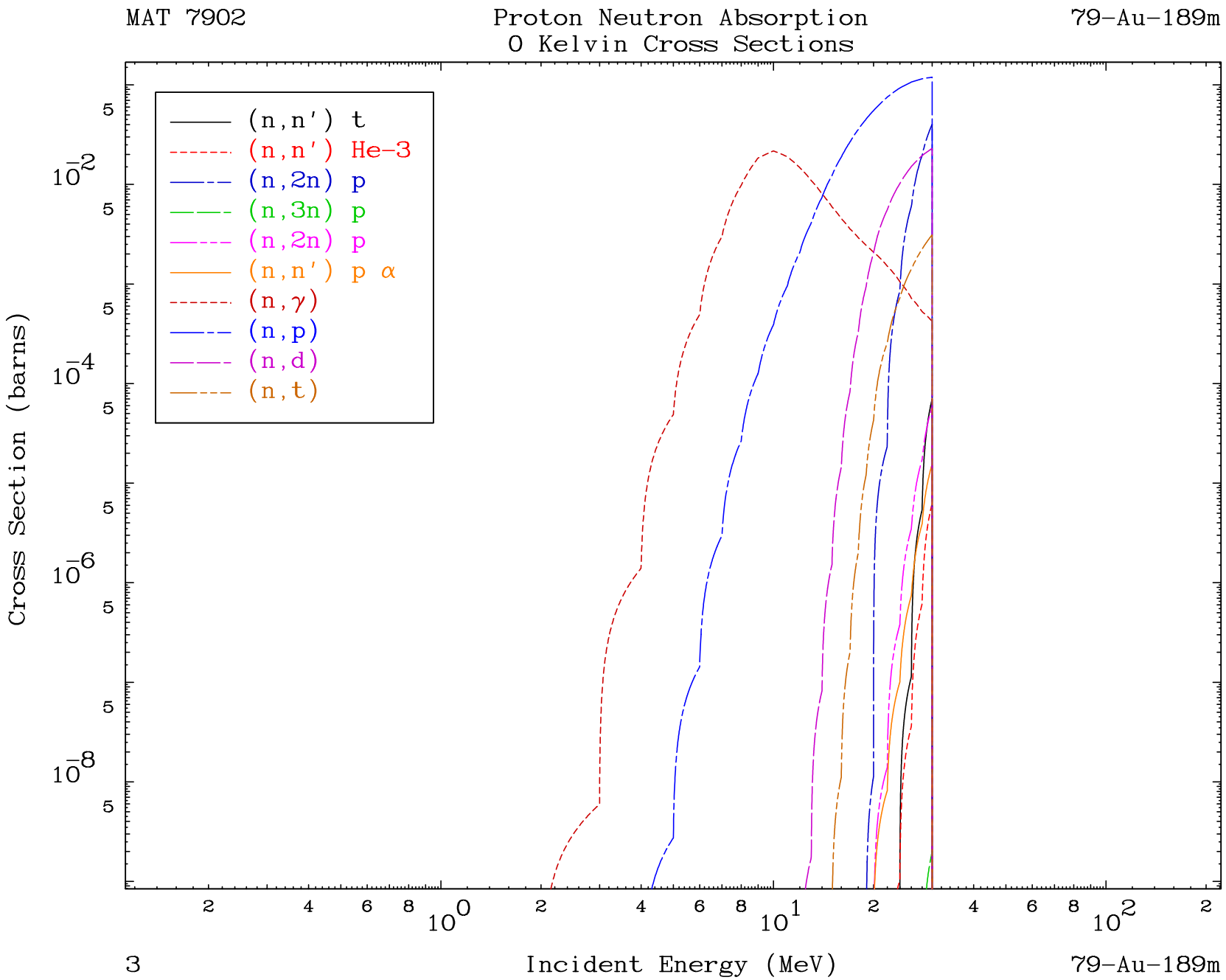
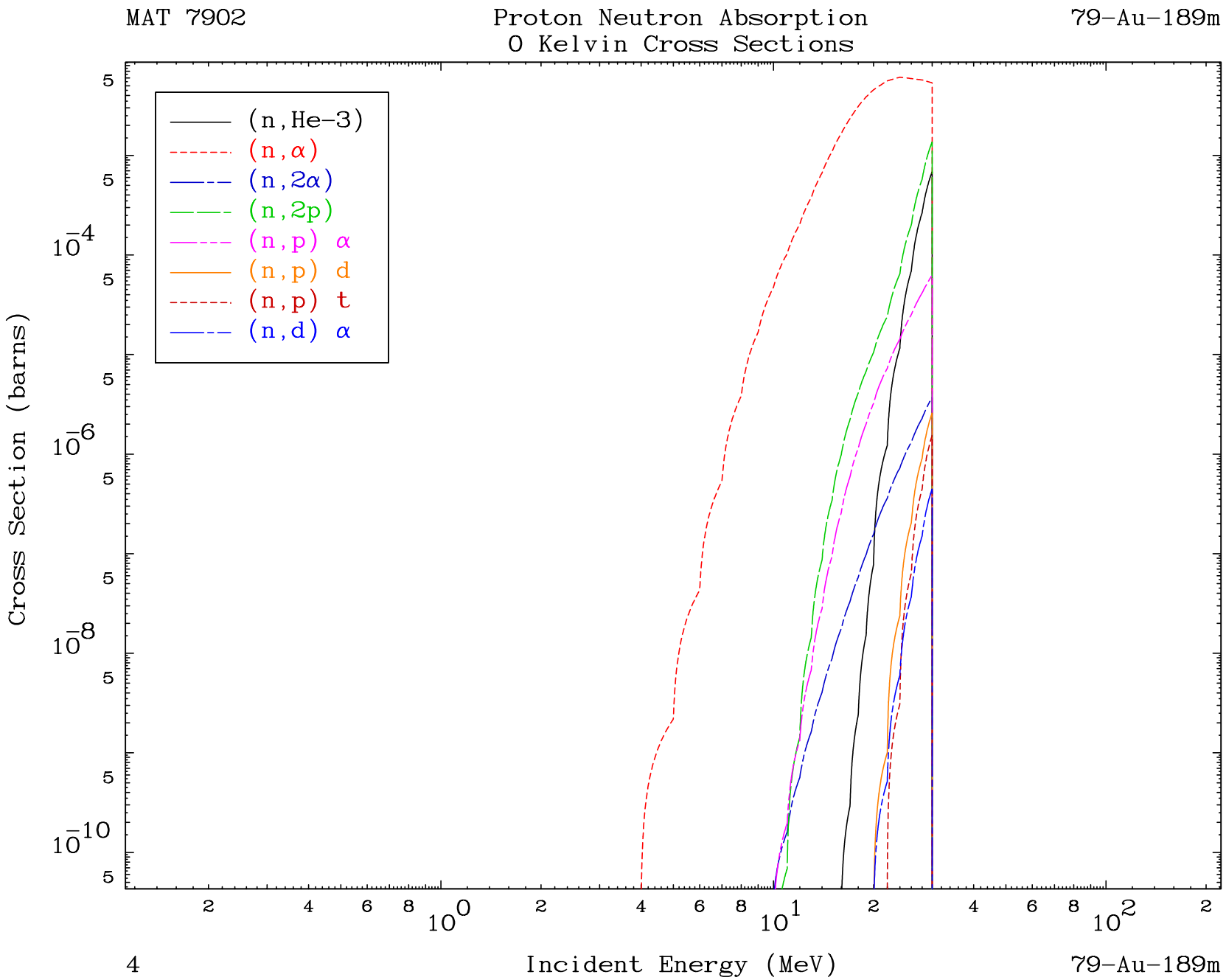
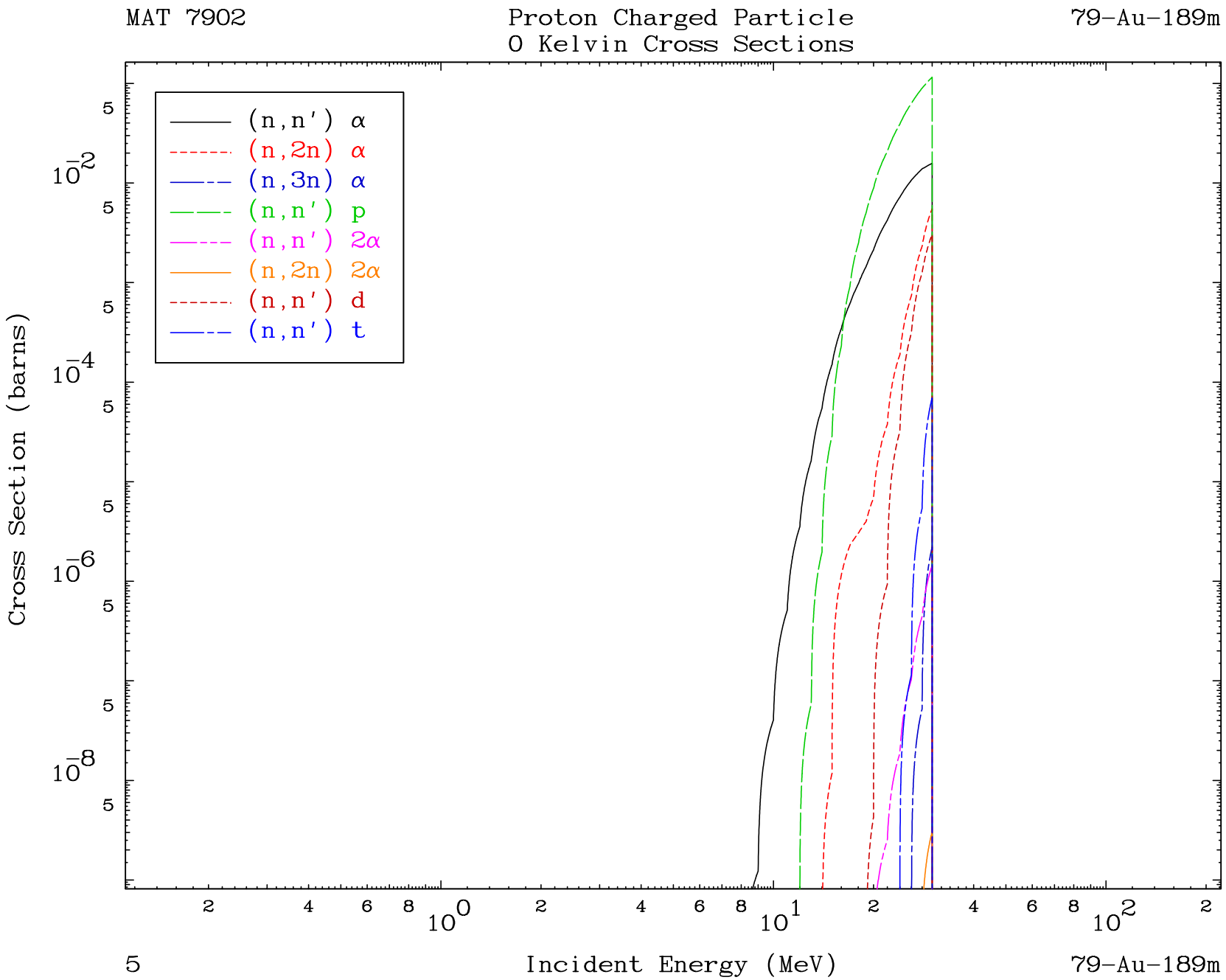
Press Mouse Button to Start

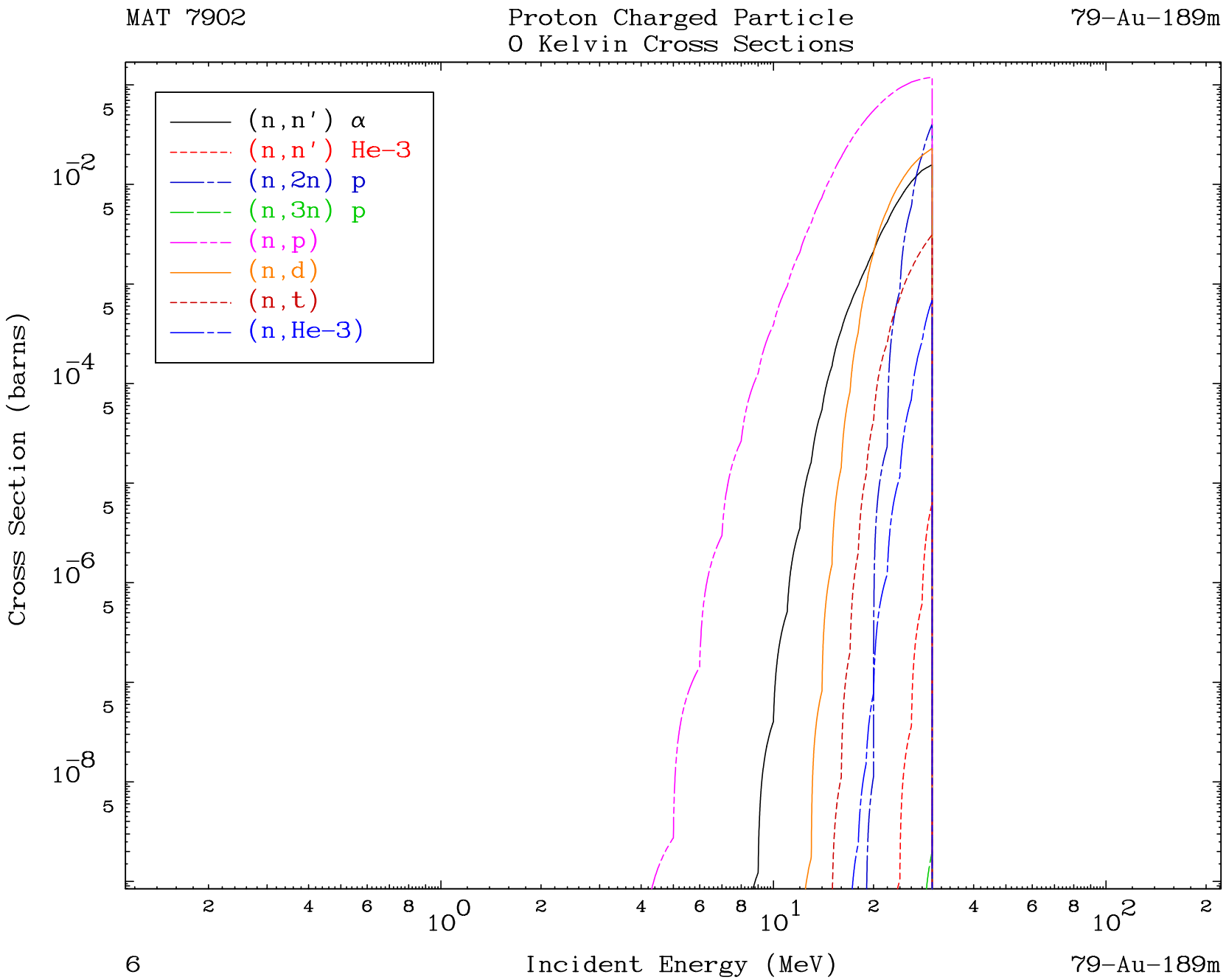

MAT 7902
Proton Major
79-Au-189m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
79-Au-189m
1

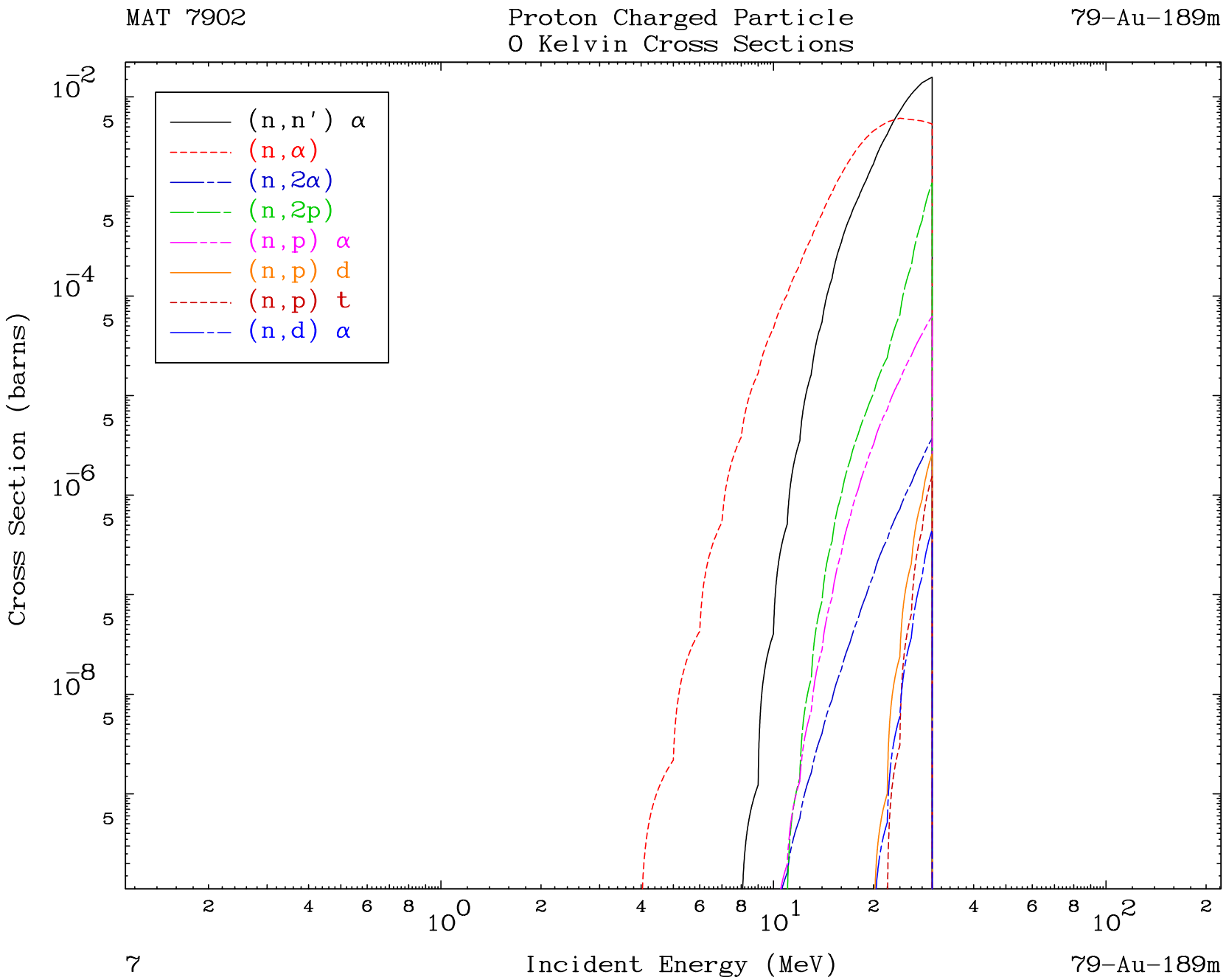

MAT 7902
Proton Neutron Absorption
0 Kelvin Cross Sections
79-Au-189m
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
79-Au-189m
2

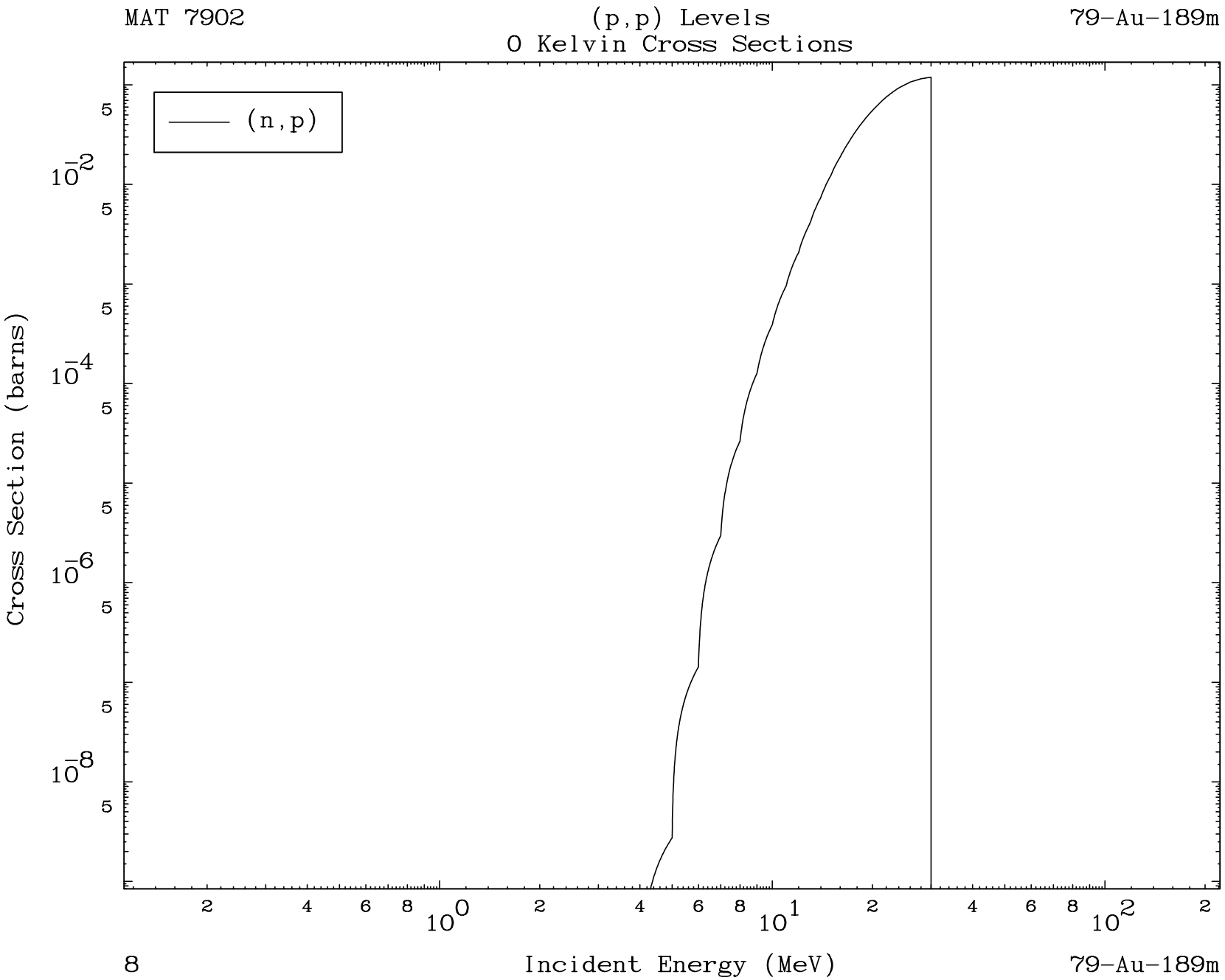

MAT 7902
Proton Neutron Absorption
0 Kelvin Cross Sections
79-Au-189m
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
79-Au-189m

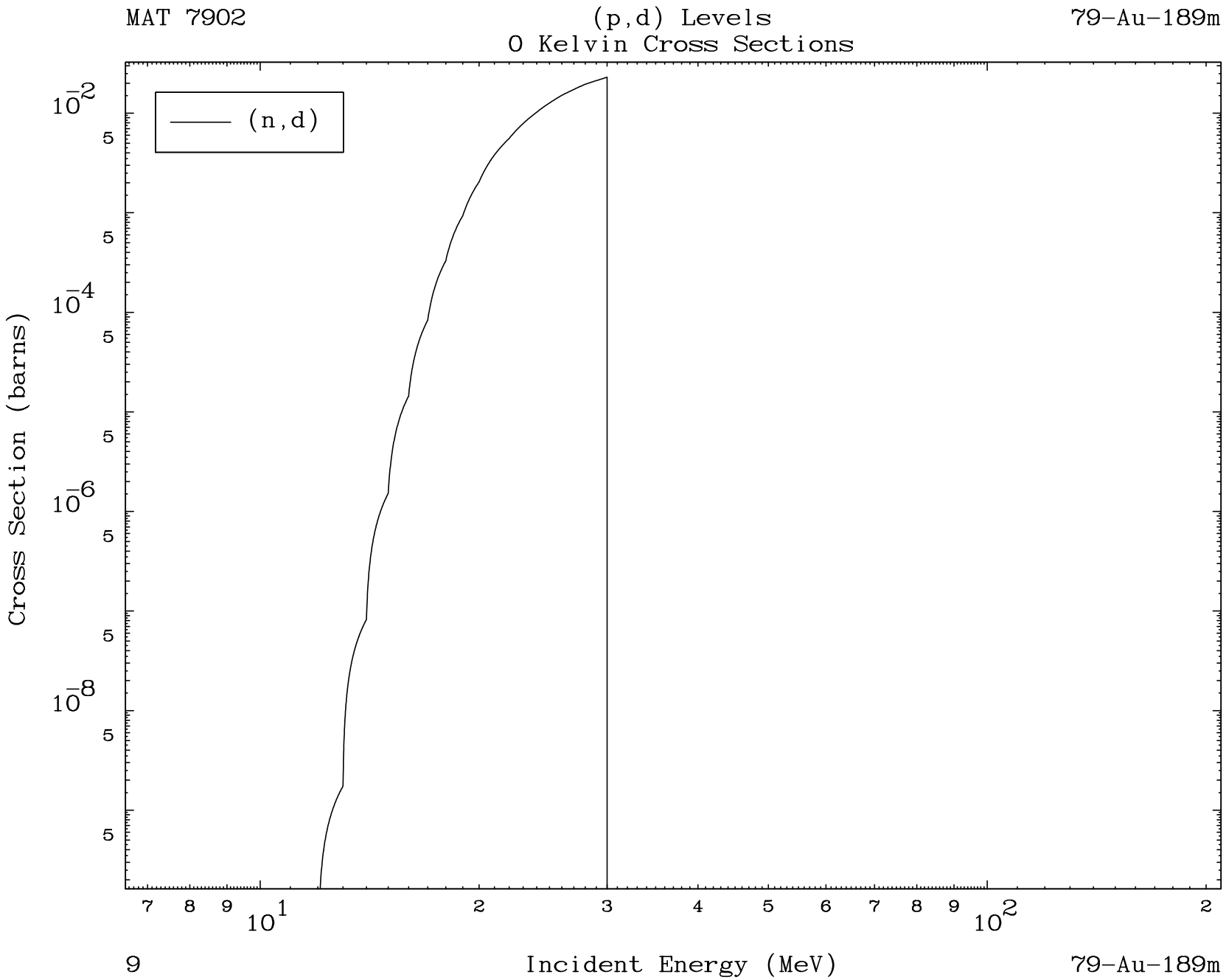

MAT 7902
Proton Neutron Absorption
0 Kelvin Cross Sections
79-Au-189m
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
79-Au-189m

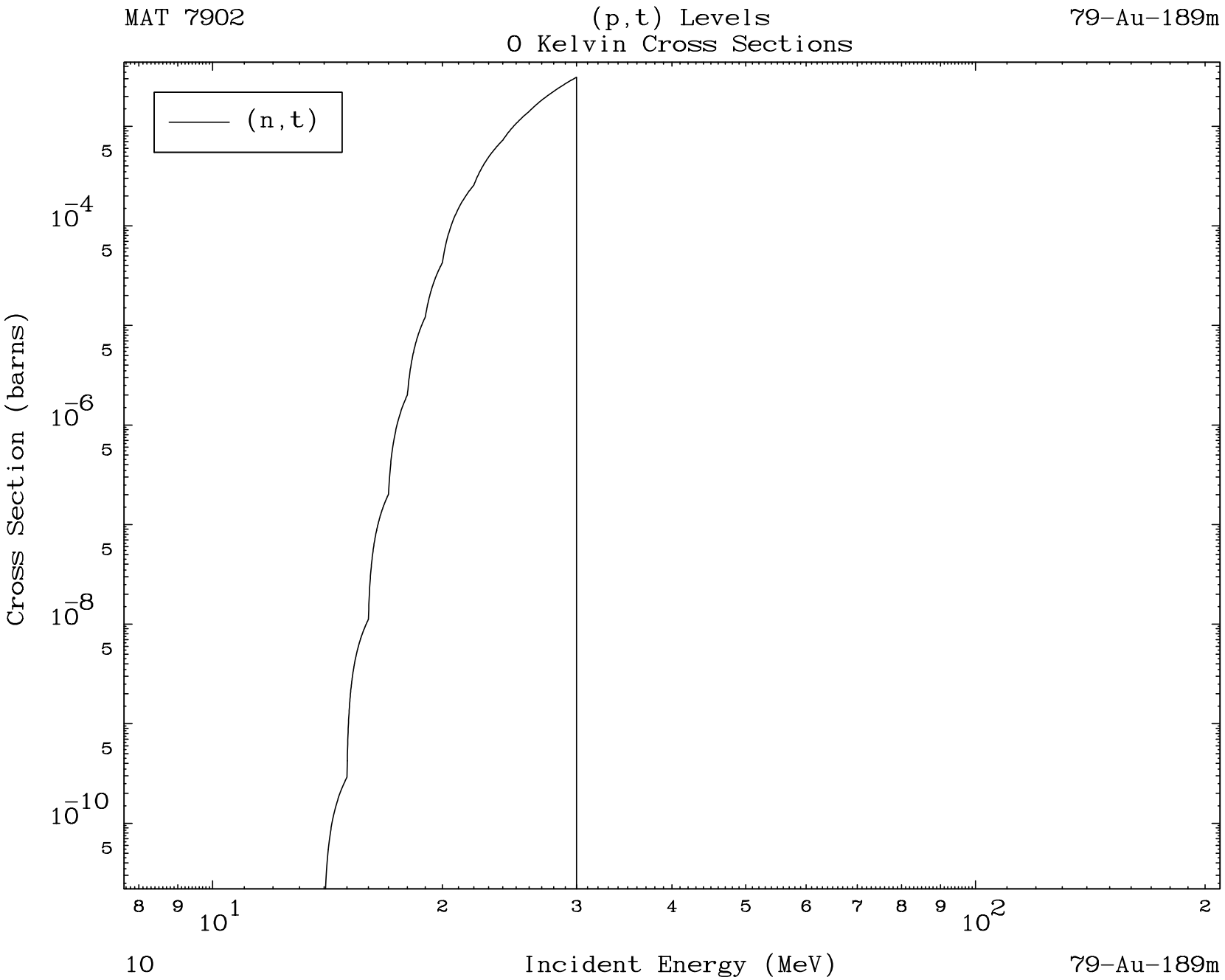

MAT 7902
Proton Charged Particle
0 Kelvin Cross Sections
79-Au-189m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
79-Au-189m

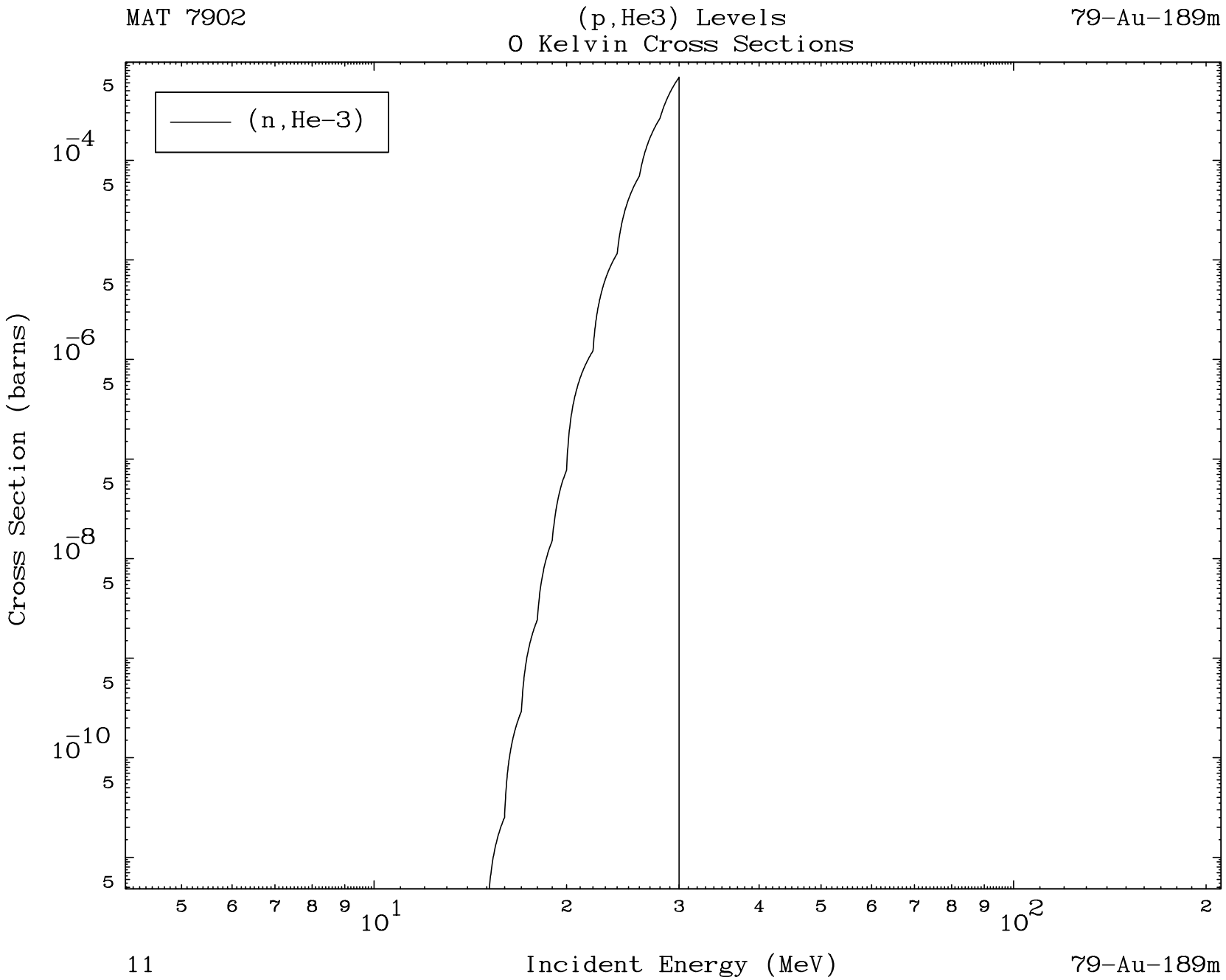

MAT 7902
Proton Charged Particle
0 Kelvin Cross Sections
79-Au-189m
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
79-Au-189m

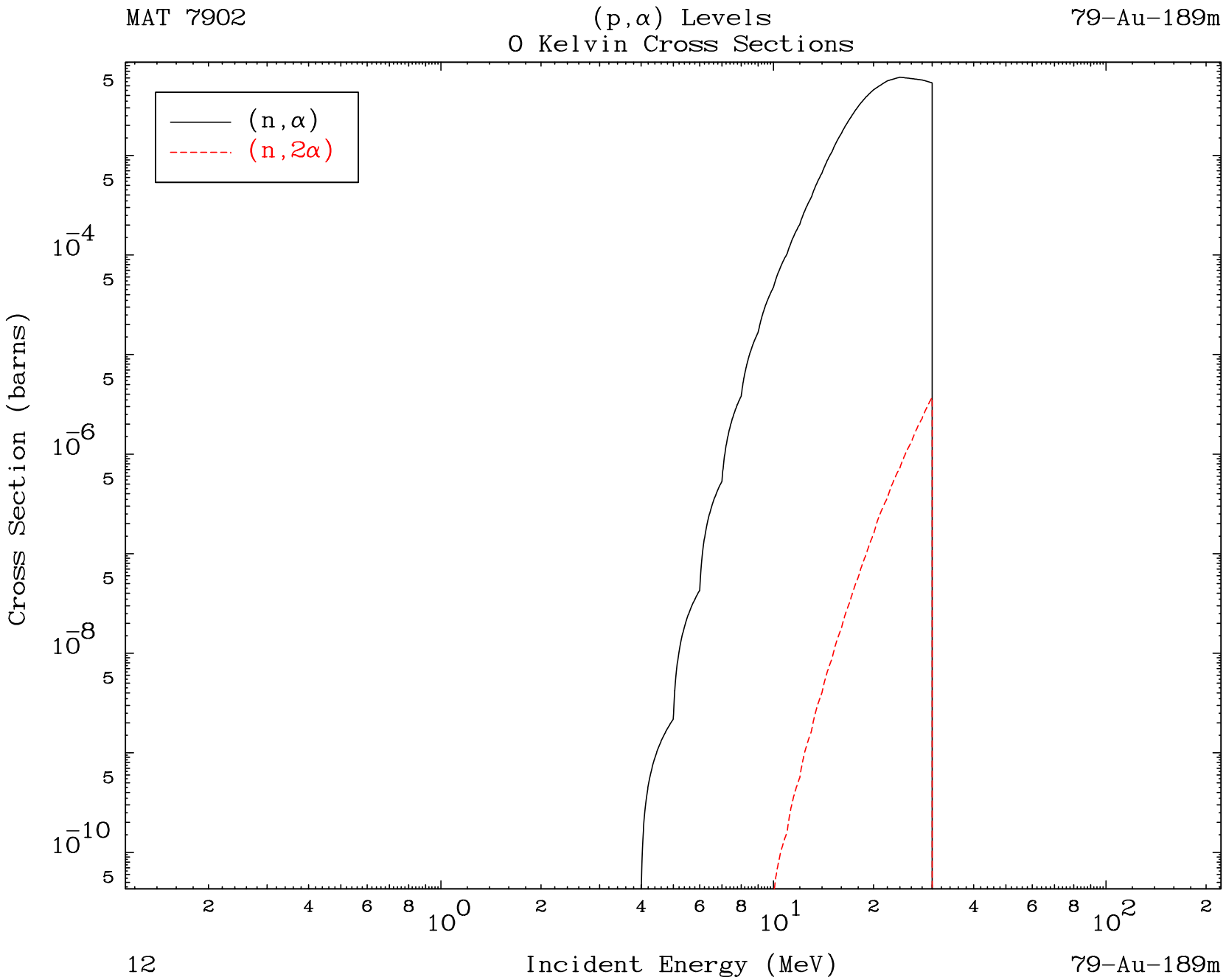

MAT 7902
Proton Charged Particle
0 Kelvin Cross Sections
79-Au-189m
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
79-Au-189m

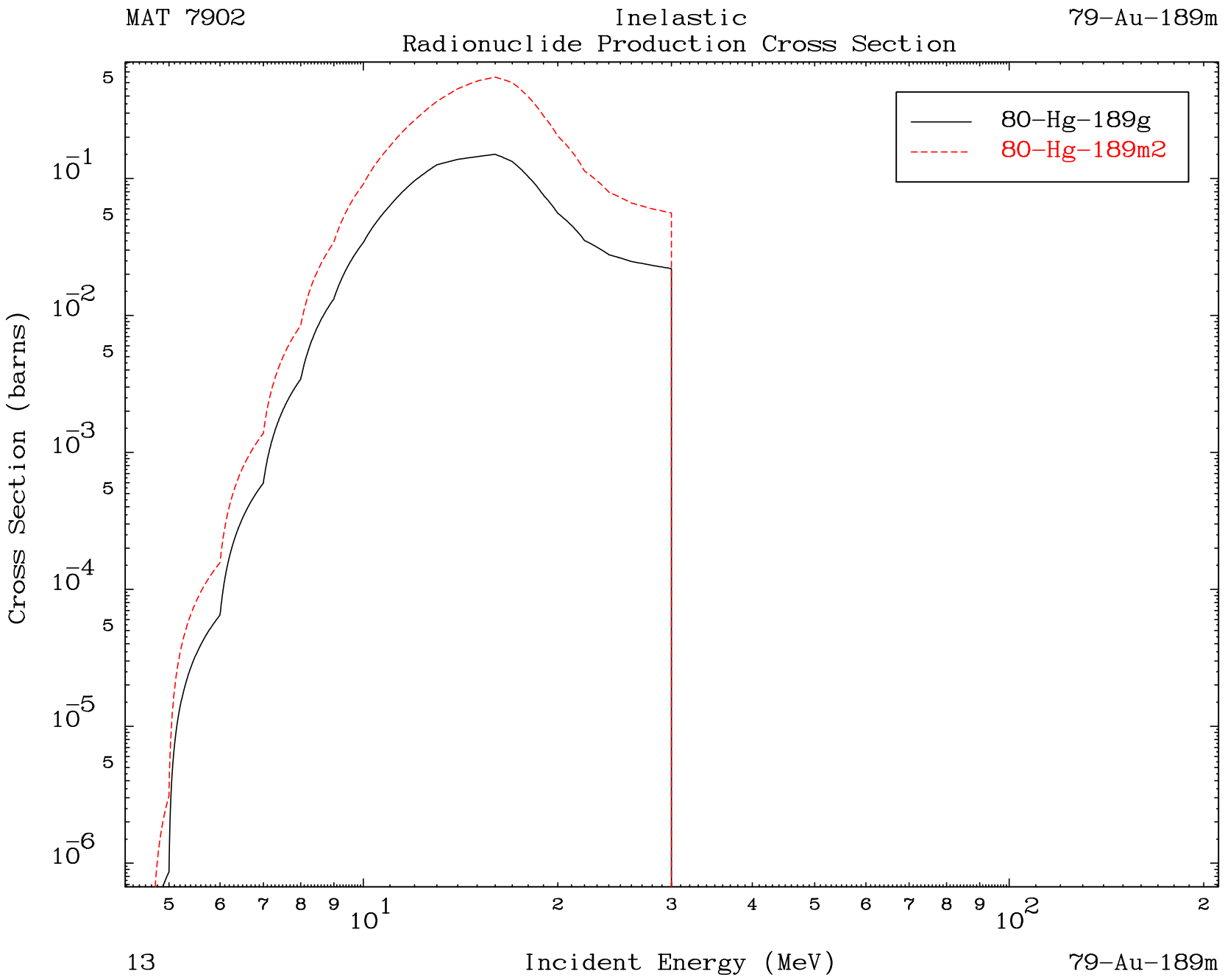

MAT 7902
(p,p) Levels
79-Au-189m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
79-Au-189m

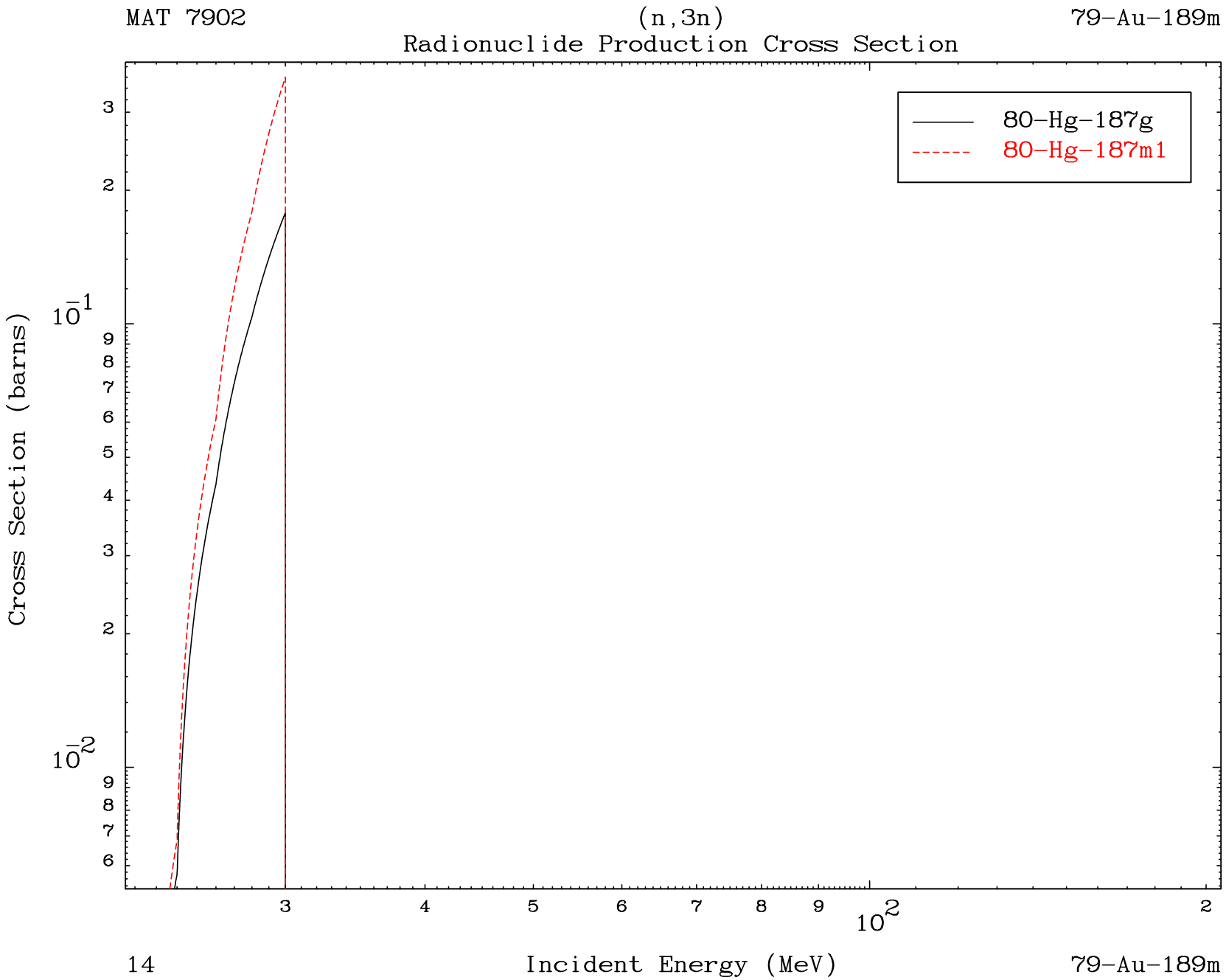

MAT 7902
(p,d) Levels
79-Au-189m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
79-Au-189m
9

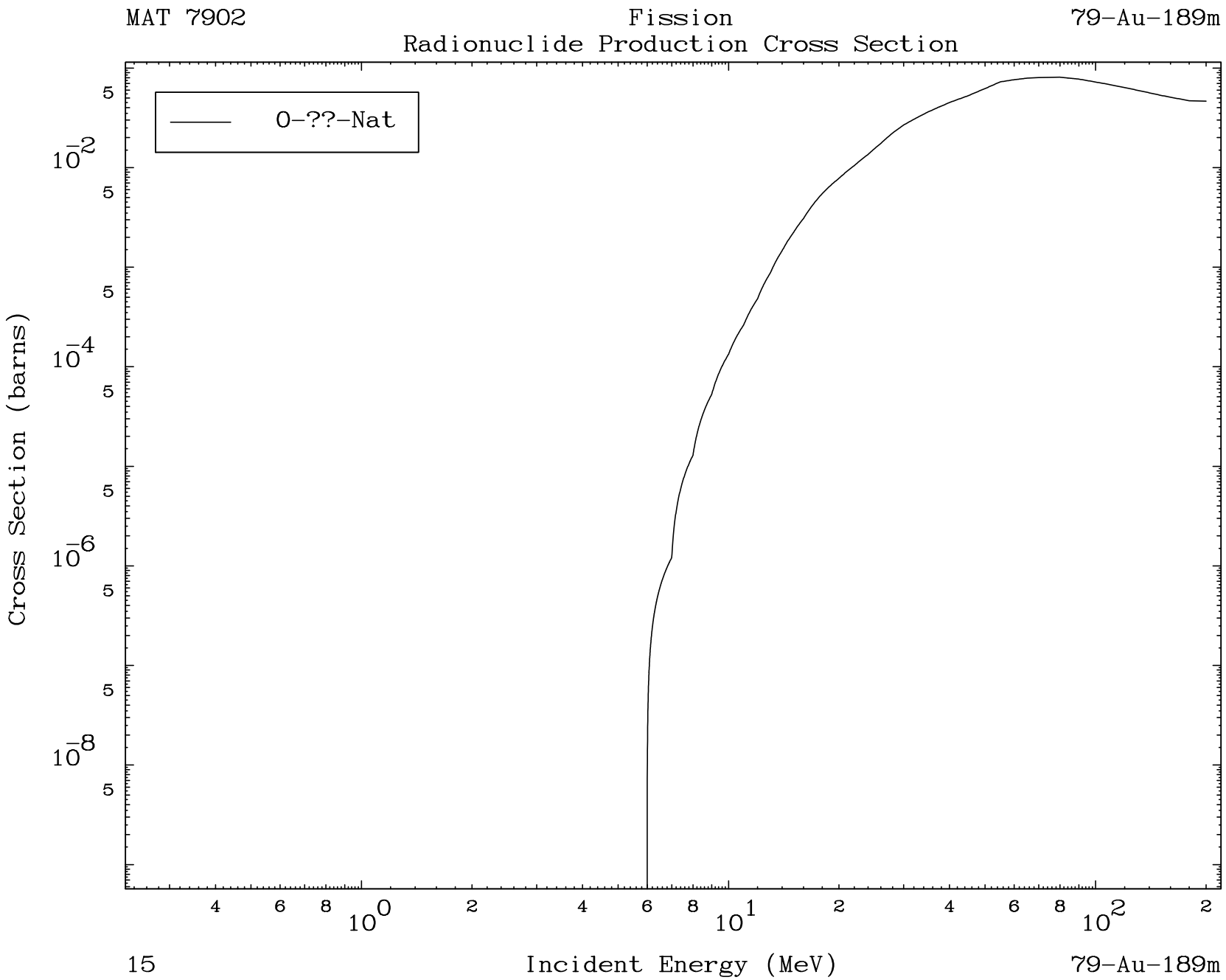

MAT 7902
(p,t) Levels
79-Au-189m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
79-Au-189m

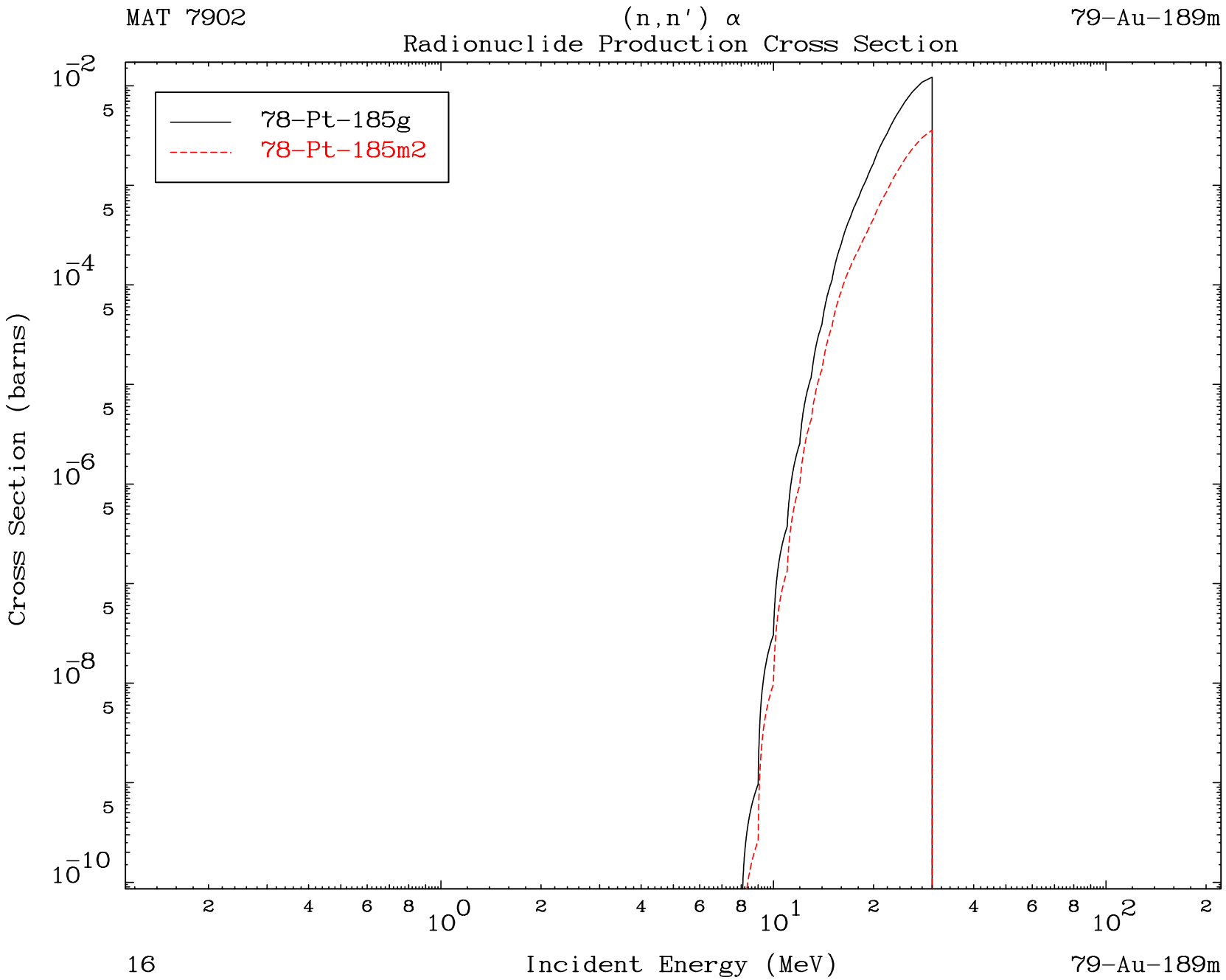

MAT 7902
(p,He3) Levels
79-Au-189m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
79-Au-189m

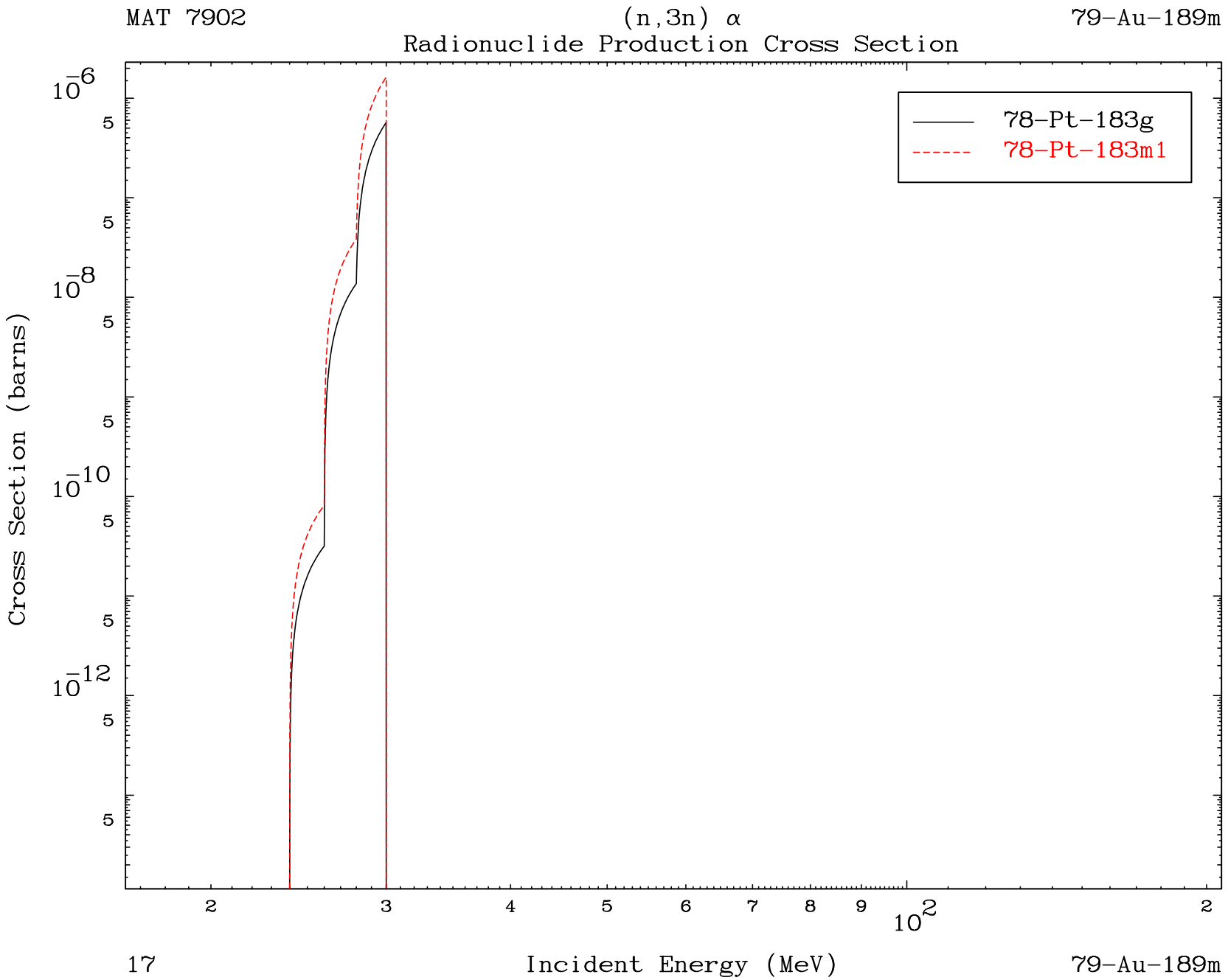

MAT 7902
(p,α) Levels
79-Au-189m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
12
79-Au-189m

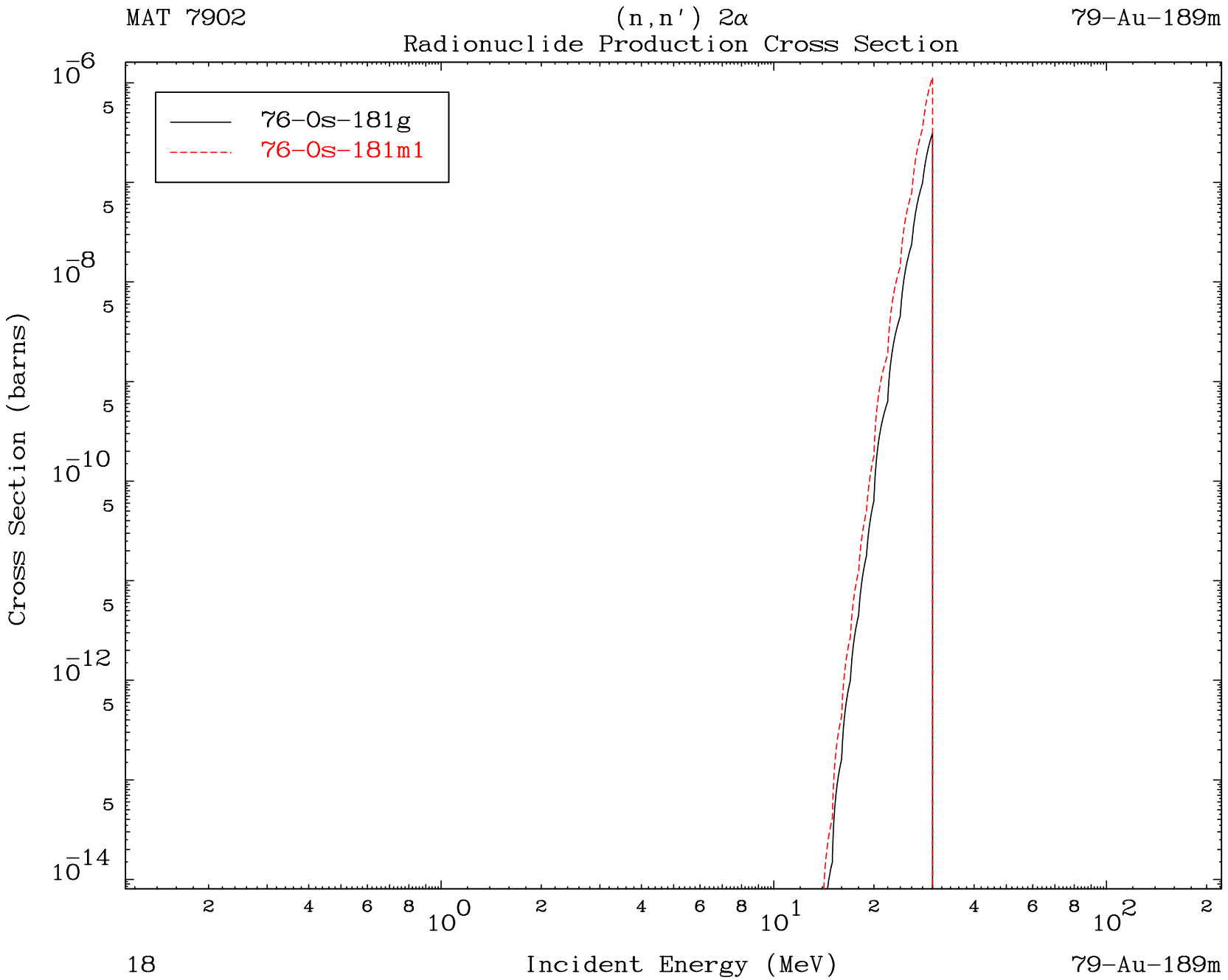

MAT 7902
Inelastic
79-Au-189m
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
Incident Energy (MeV)
13
79-Au-189m

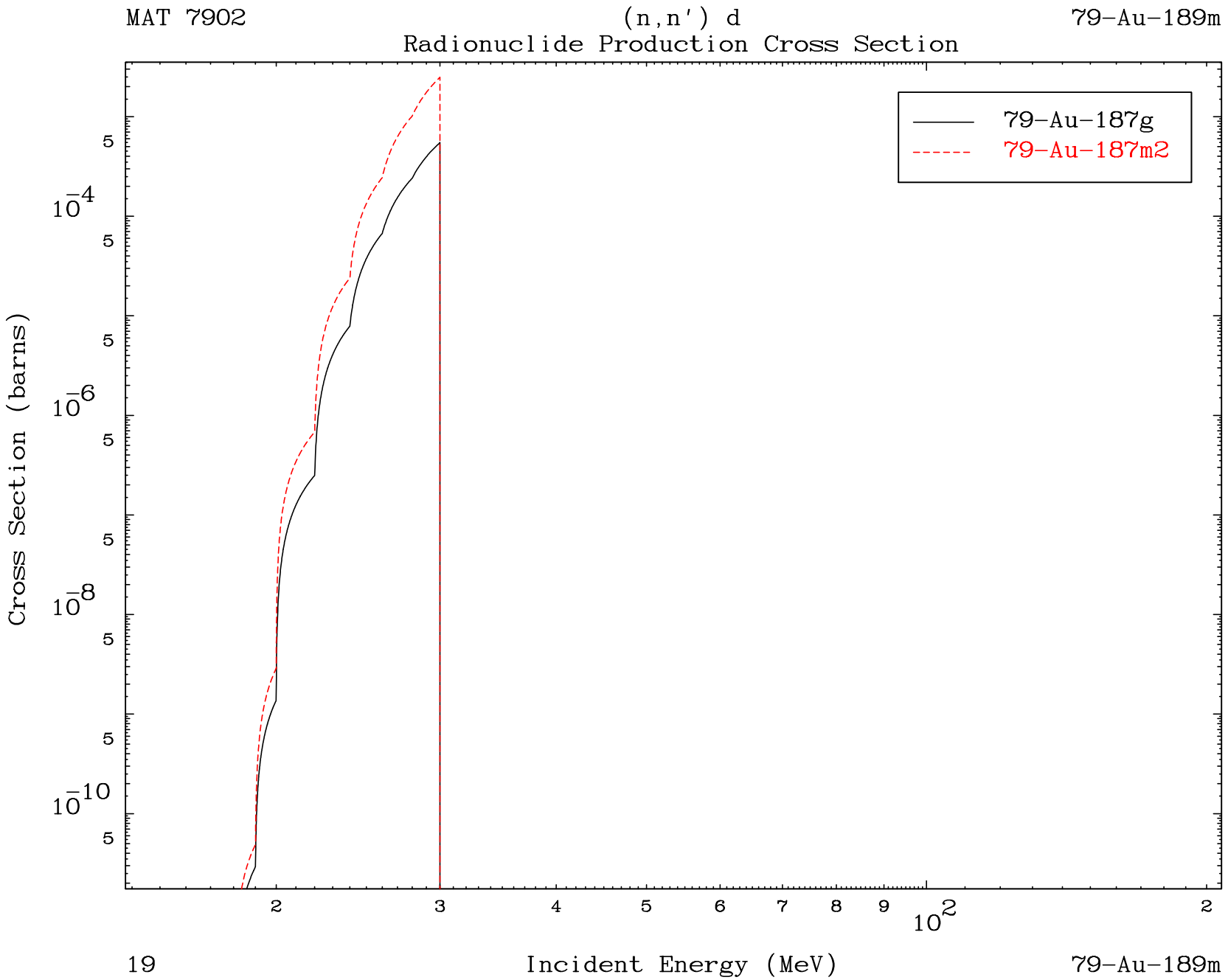

MAT 7902
(n,3n)
79-Au-189m
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
Incident Energy (MeV)
14
79-Au-189m

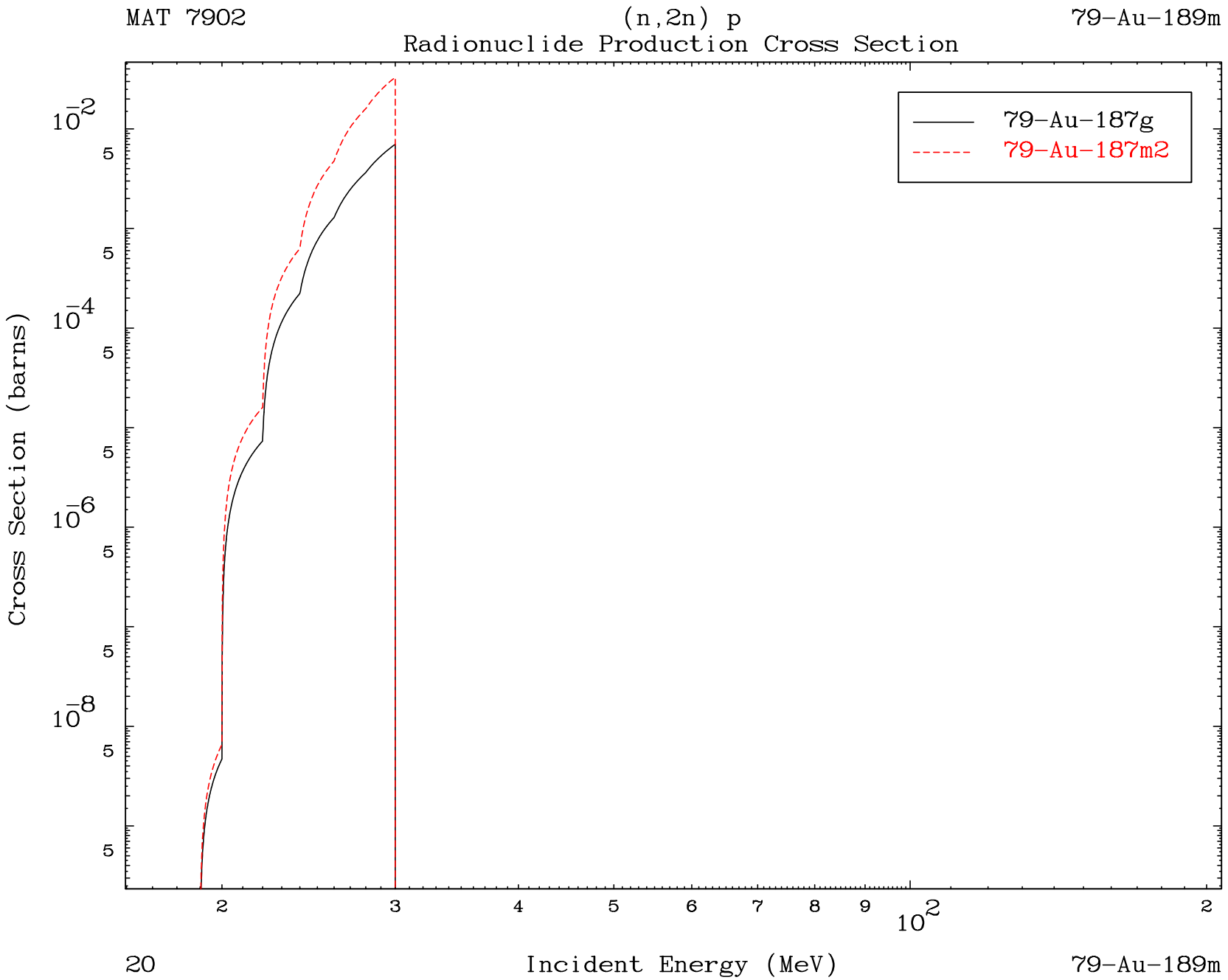

MAT 7902
Fission
79-Au-189m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
15
79-Au-189m

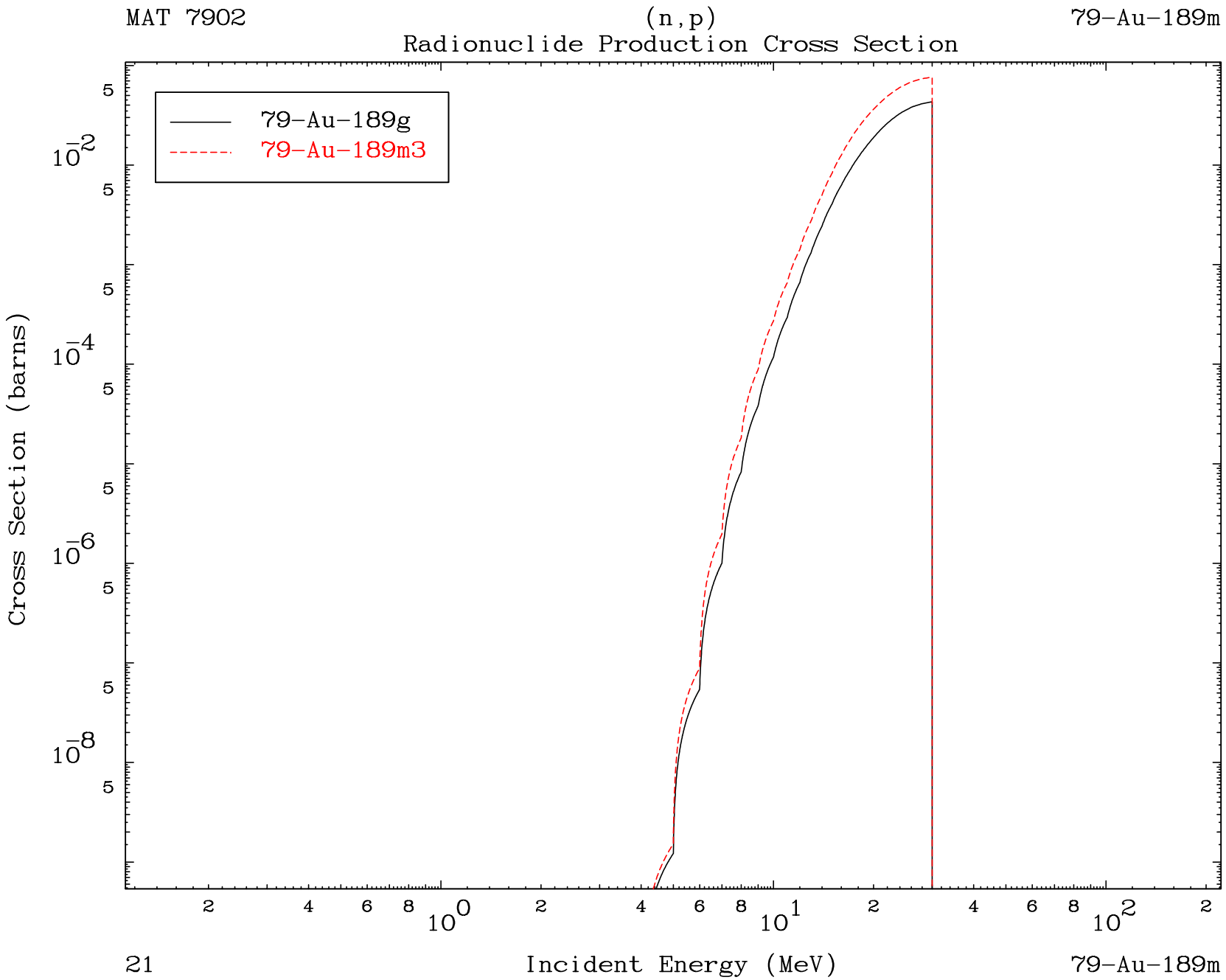

MAT 7902
(n,n') α
79-Au-189m
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
Incident Energy (MeV)
16
79-Au-189m

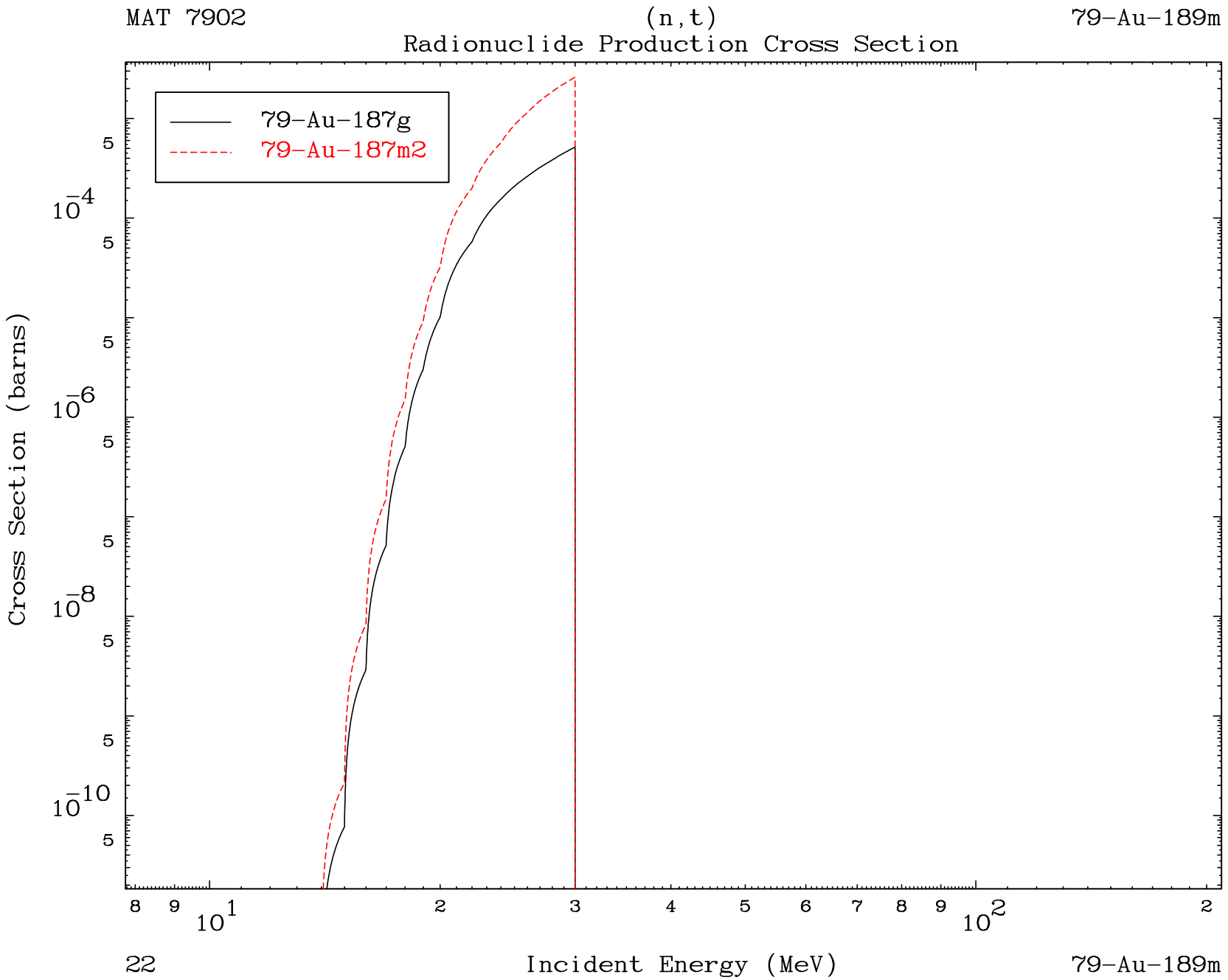

MAT 7902
(n,3n) α
79-Au-189m
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
17
Incident Energy (MeV)
79-Au-189m


MAT 7902
(n,n') 2α
79-Au-189m
Radionuclide Production Cross Section
76-Os-181g
76-Os-181m1
Cross Section (barns)
Incident Energy (MeV)
18
79-Au-189m


MAT 7902
(n,n') d
79-Au-189m
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
79-Au-189m


MAT 7902
(n,2n) p
79-Au-189m
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
79-Au-189m


MAT 7902
(n,p)
79-Au-189m
Radionuclide Production Cross Section
79-Au-189g
79-Au-189m3
Cross Section (barns)
Incident Energy (MeV)
21
79-Au-189m


MAT 7902
(n,t)
79-Au-189m
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
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
22
Incident Energy (MeV)
79-Au-189m