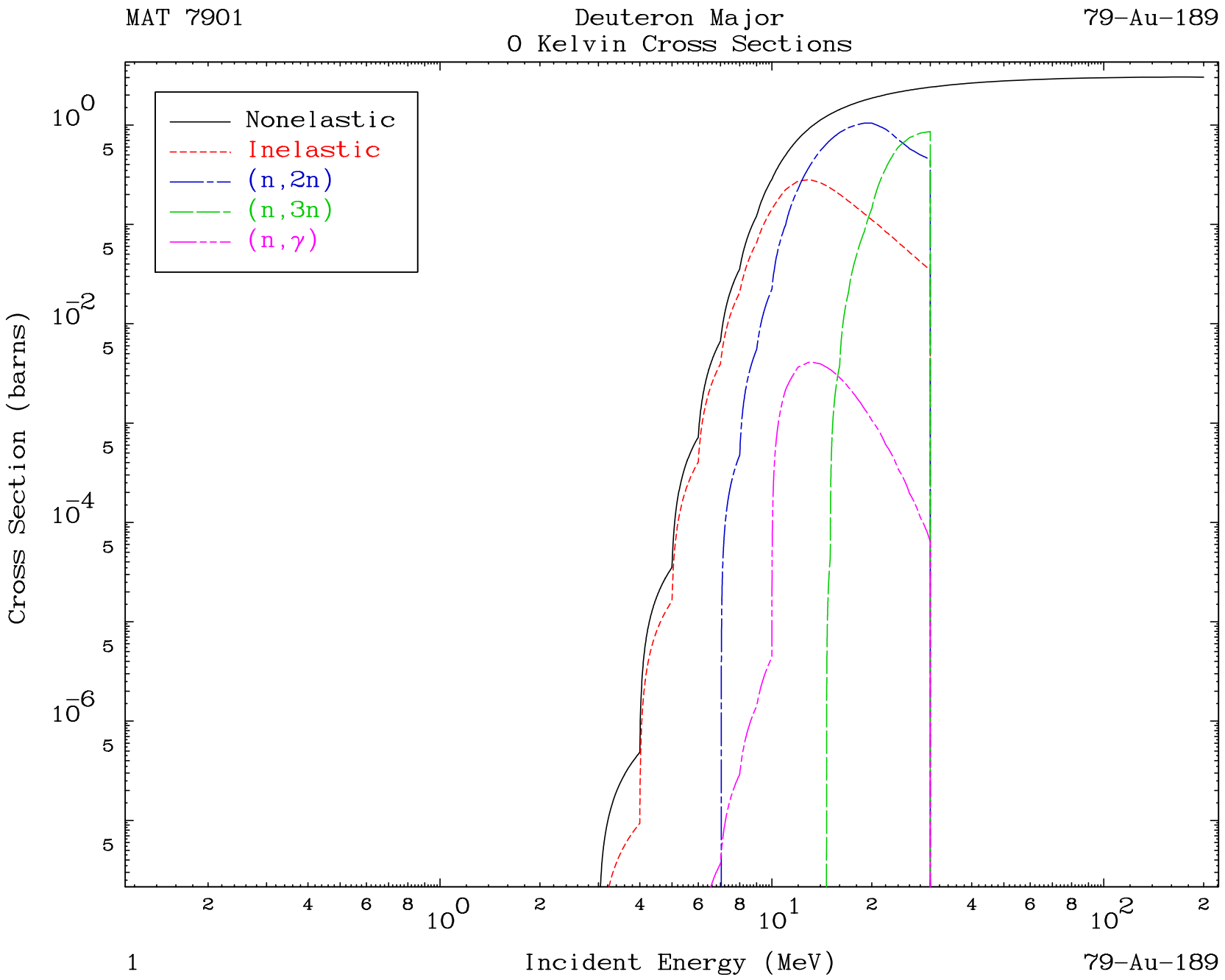
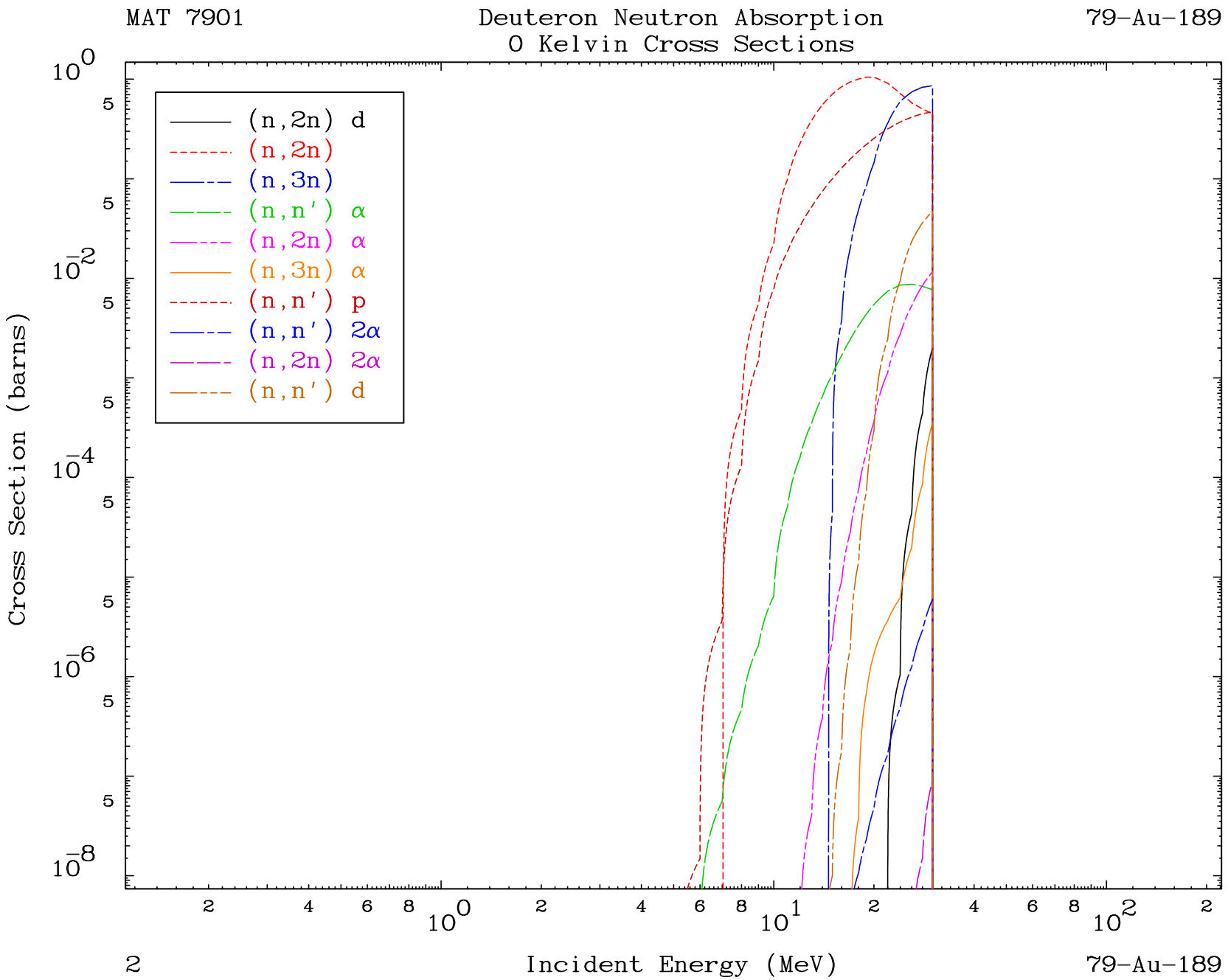
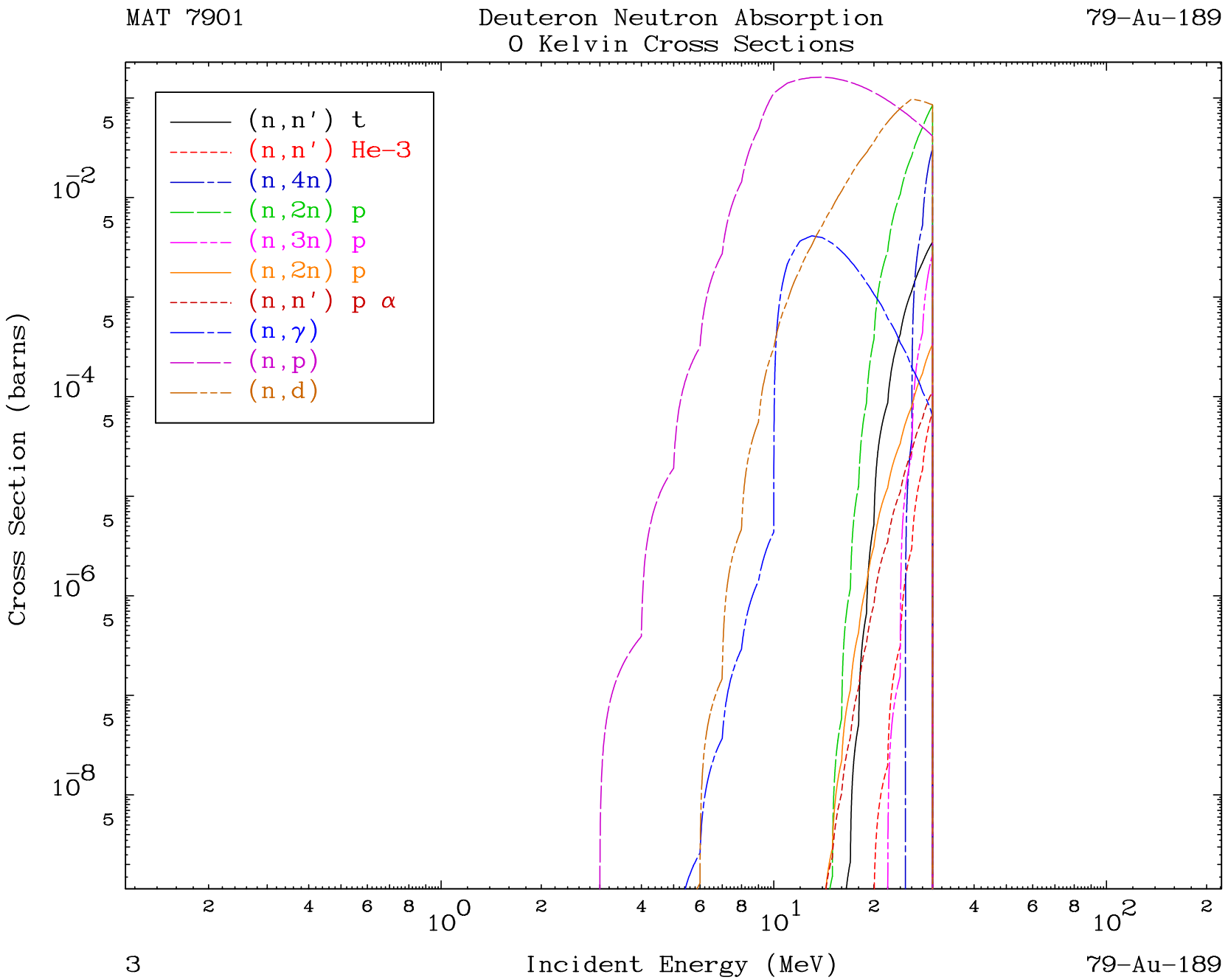
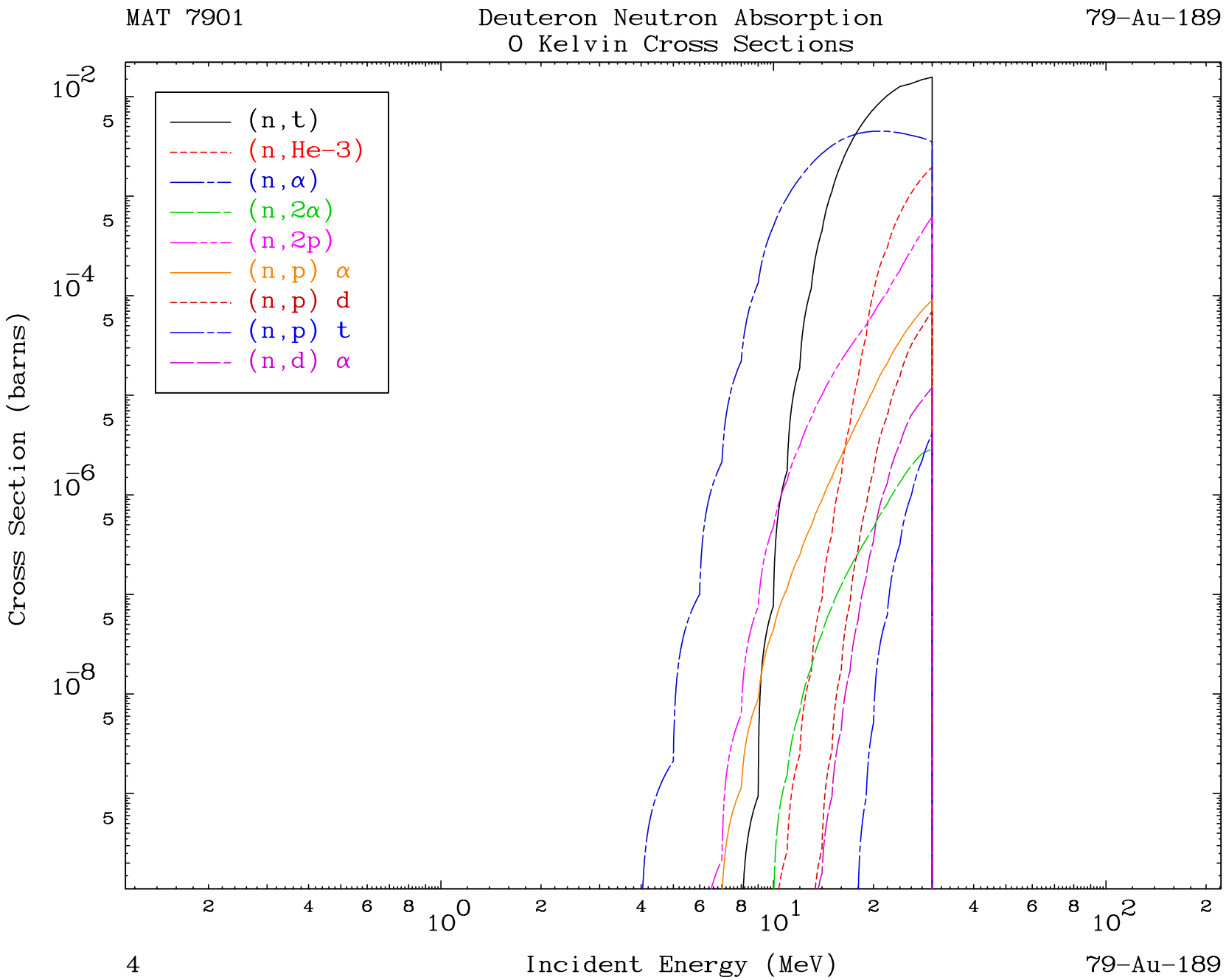
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

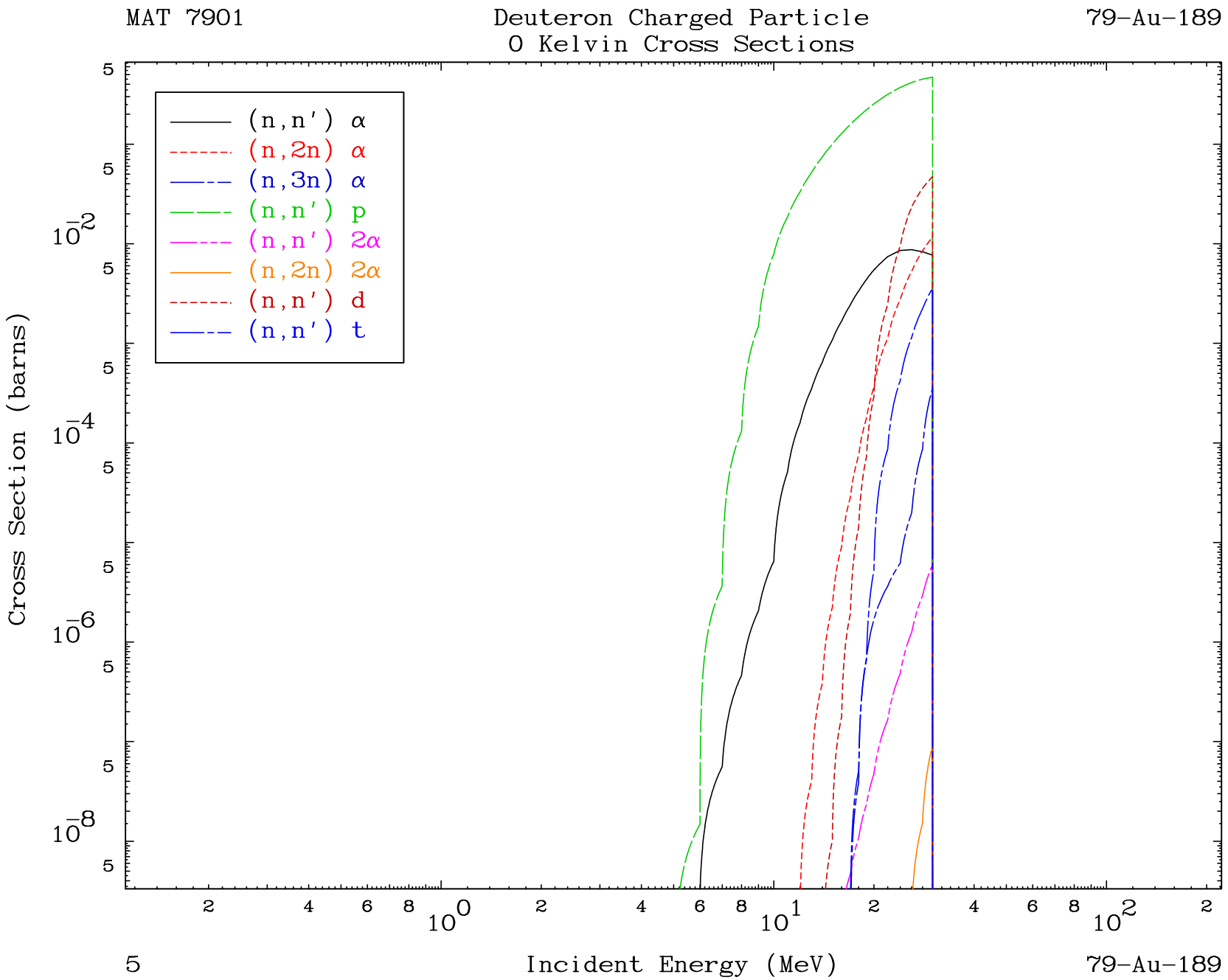
Press Mouse Button to Start

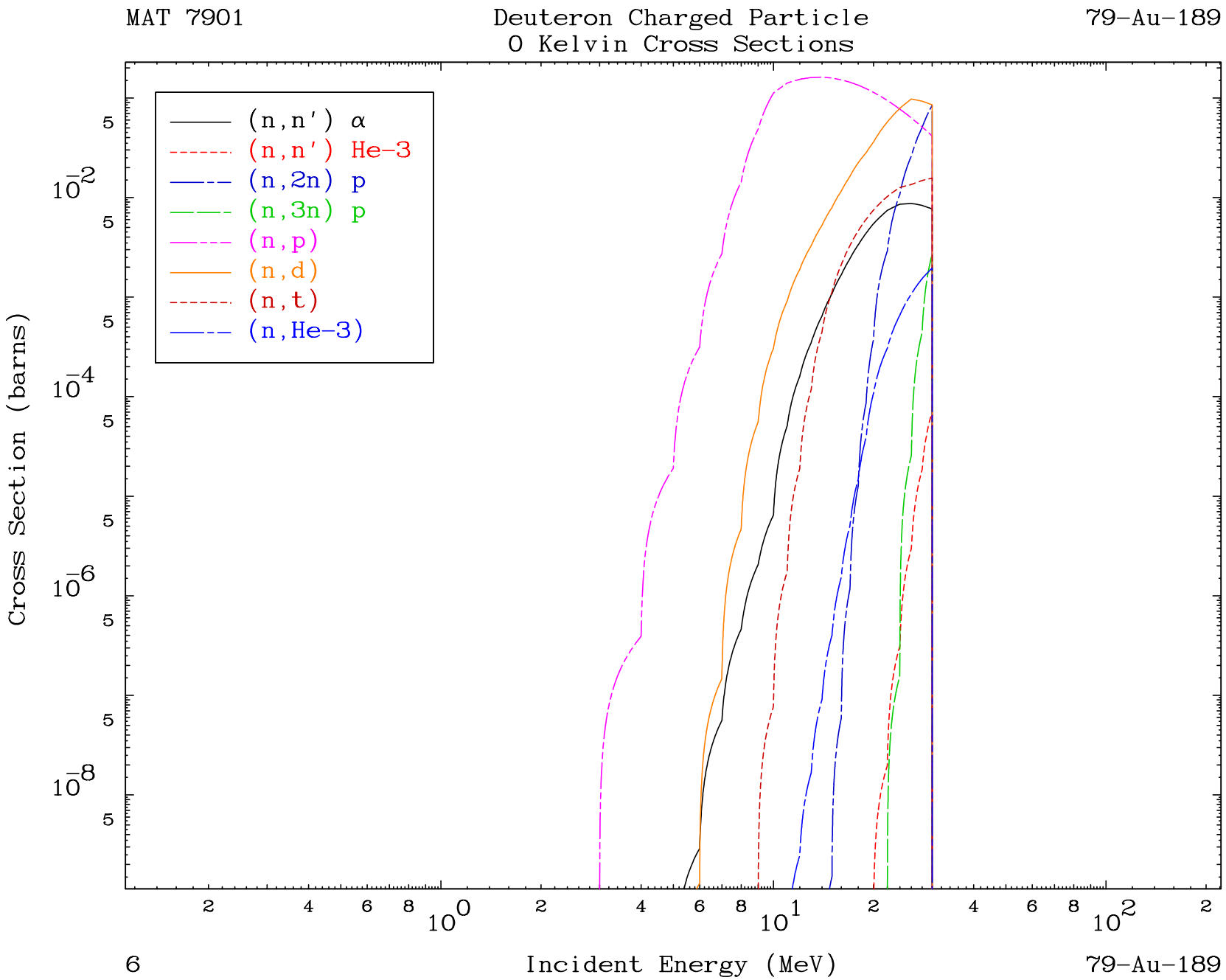

MAT 7901
Deuteron Major
79-Au-189
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
79-Au-189
1

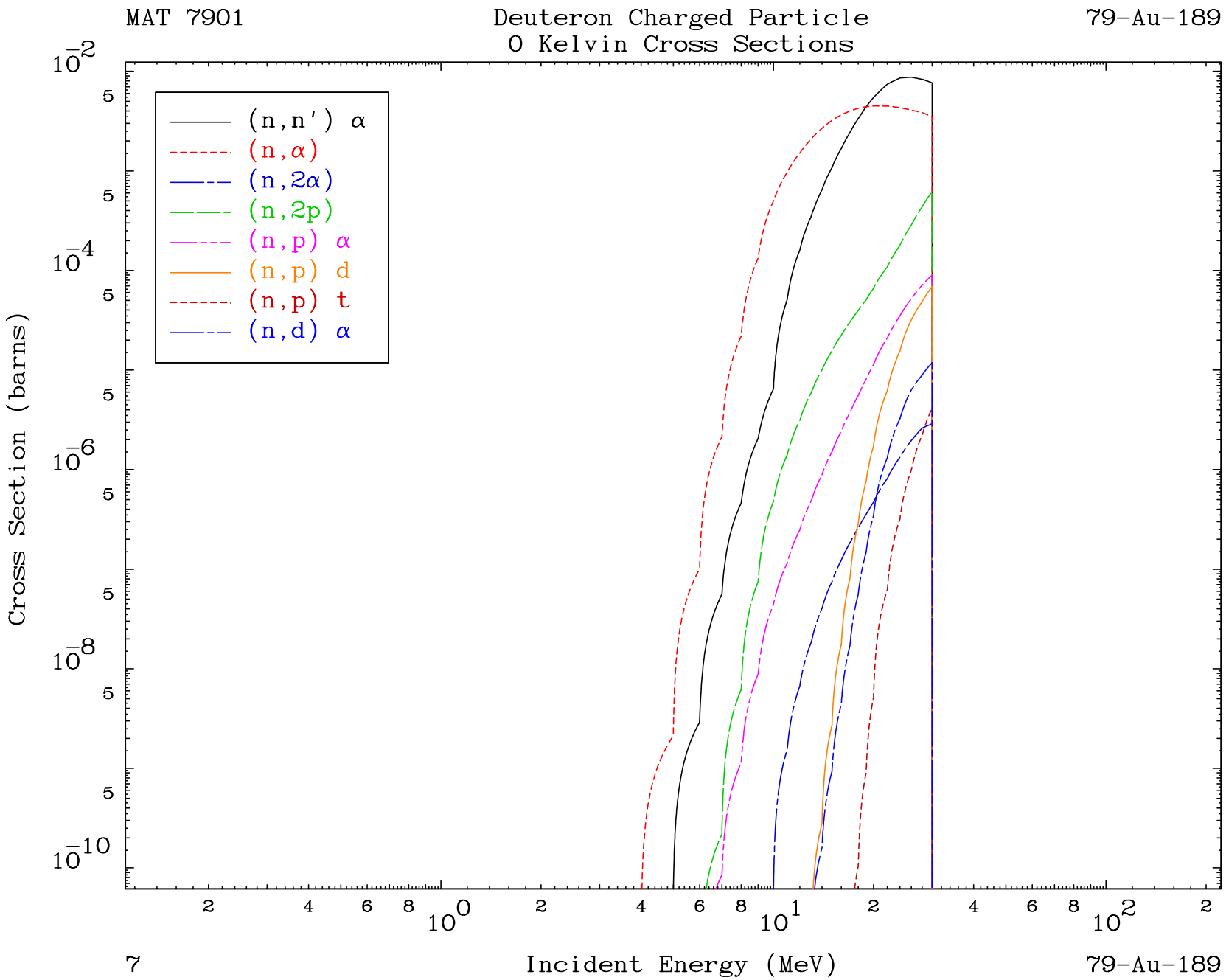

MAT 7901
Deuteron Neutron Absorption
0 Kelvin Cross Sections
79-Au-189
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
79-Au-189
2

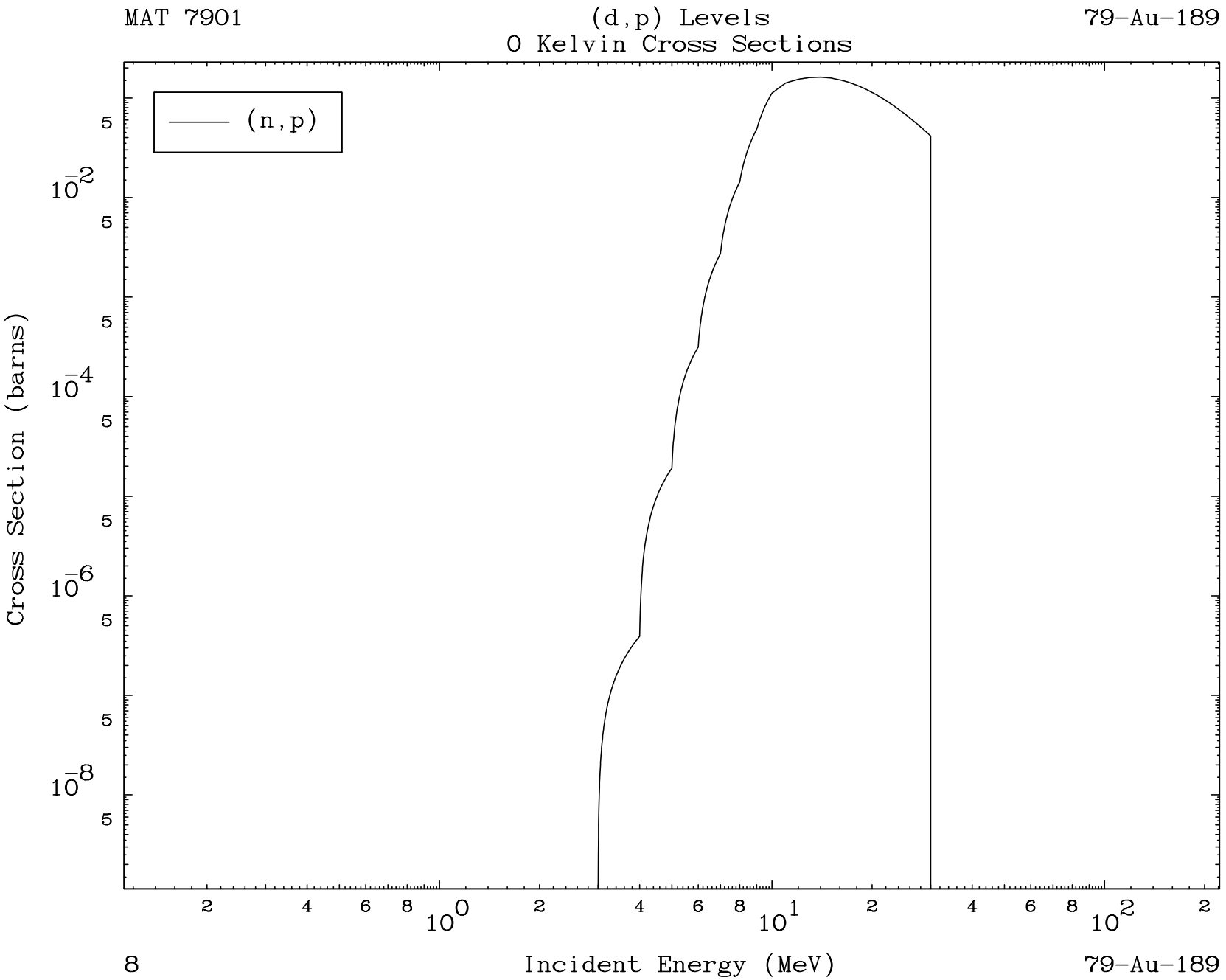

MAT 7901
Deuteron Neutron Absorption
0 Kelvin Cross Sections
79-Au-189
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
79-Au-189

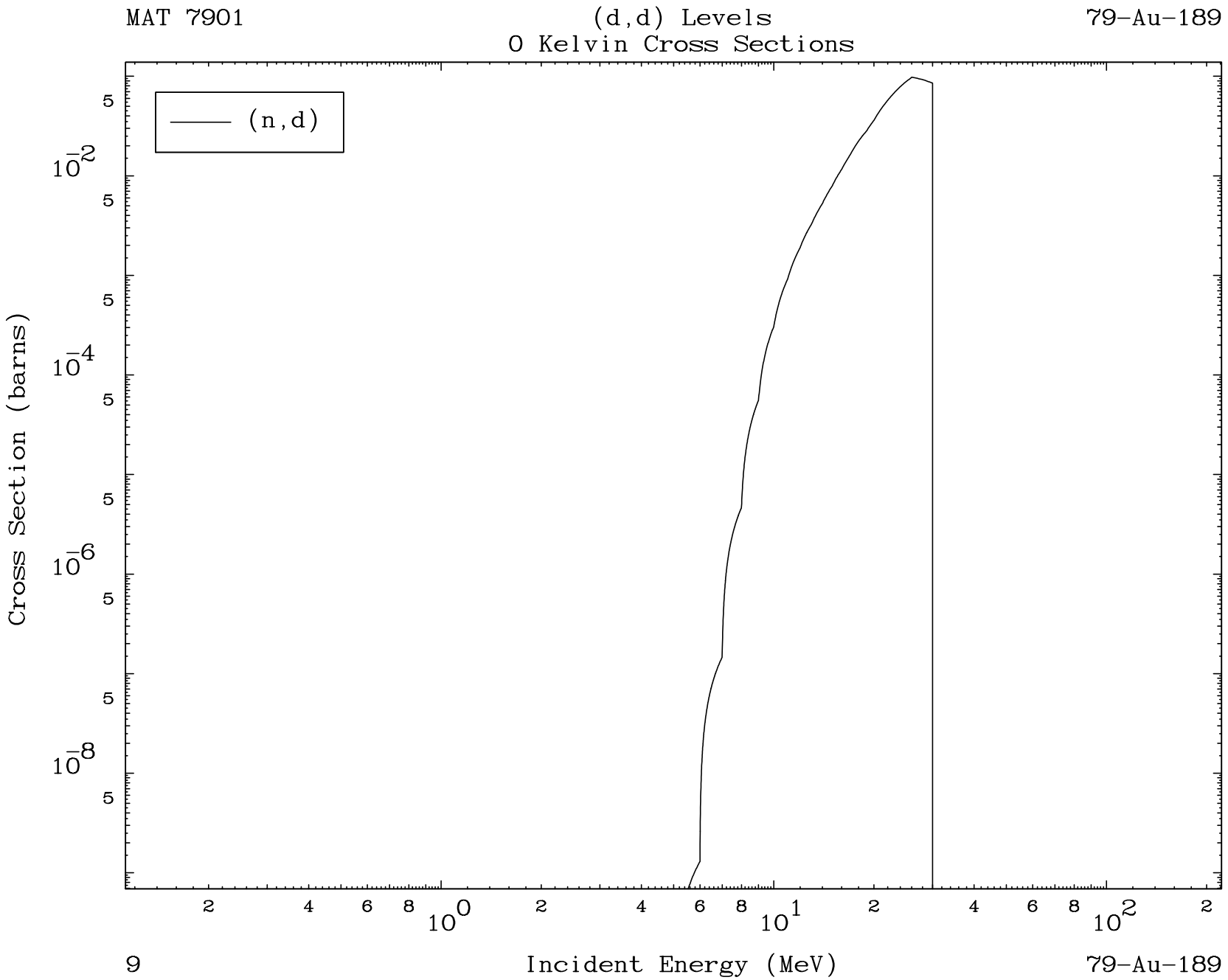

MAT 7901
Deuteron Neutron Absorption
0 Kelvin Cross Sections
79-Au-189
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
79-Au-189

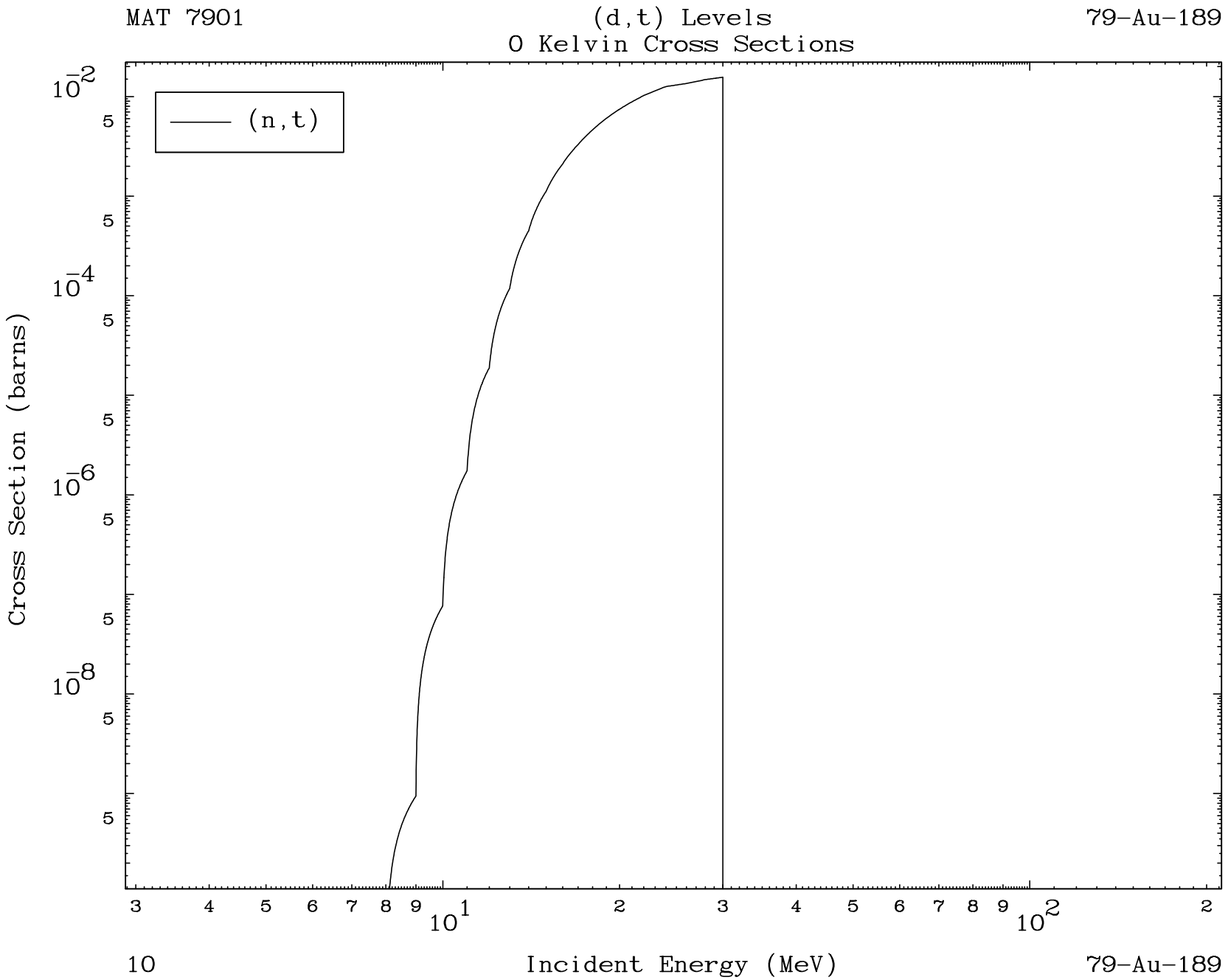

MAT 7901
Deuteron Charged Particle
0 Kelvin Cross Sections
79-Au-189
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
79-Au-189


MAT 7901
Deuteron Charged Particle
0 Kelvin Cross Sections
79-Au-189
(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-189

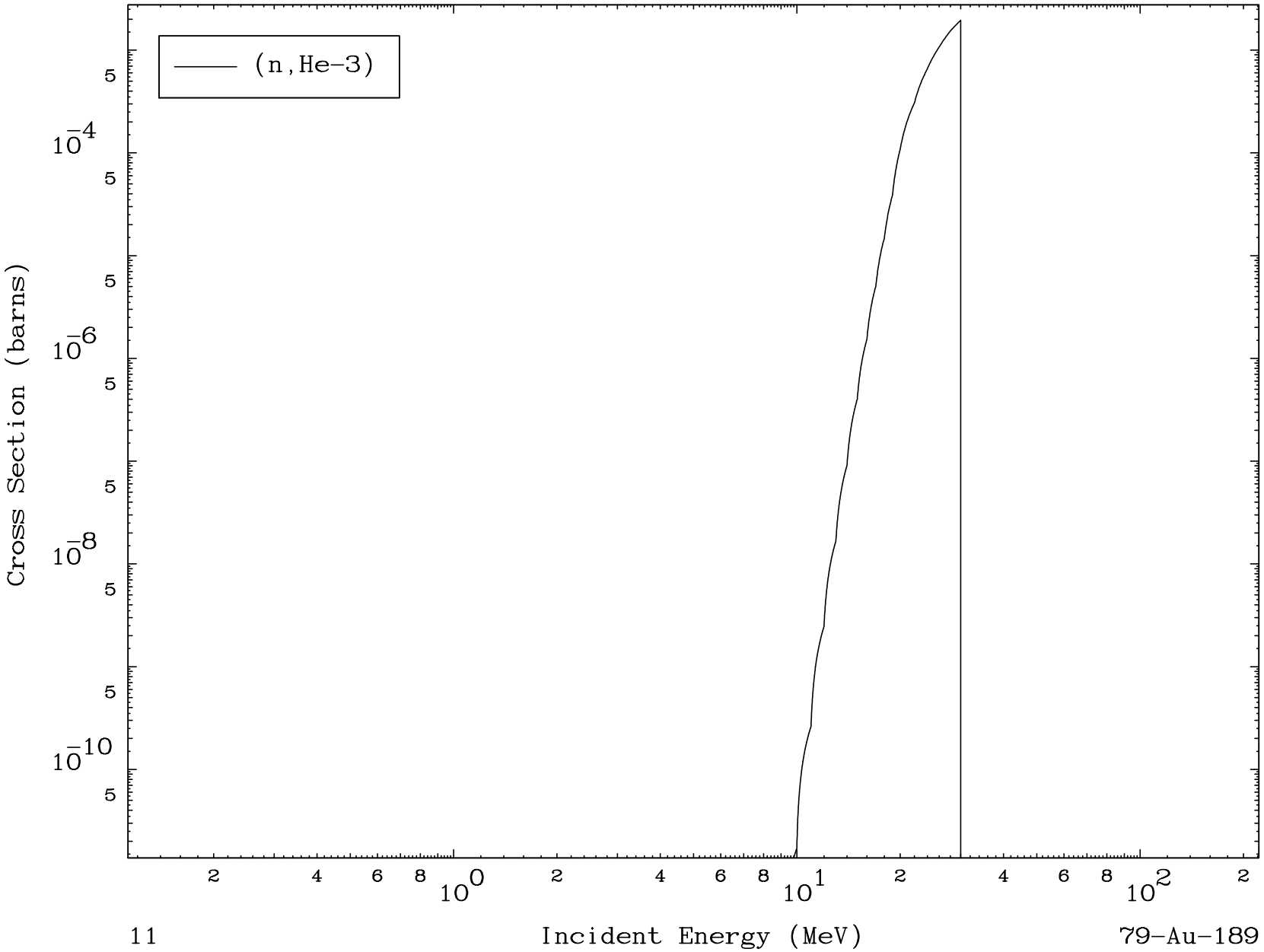

MAT 7901
Deuteron Charged Particle
0 Kelvin Cross Sections
79-Au-189
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
79-Au-189

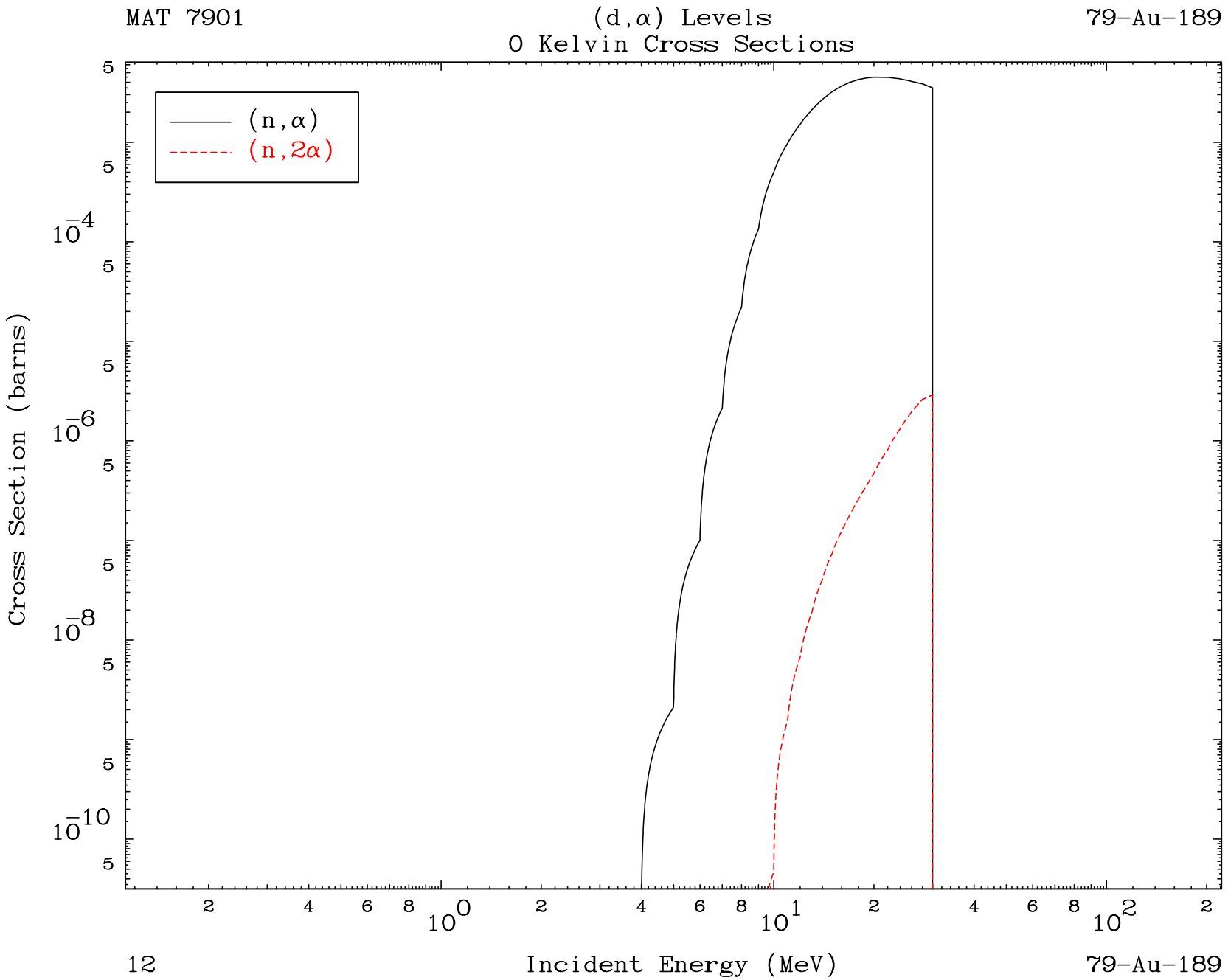

MAT 7901
(d,p) Levels
79-Au-189
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
79-Au-189

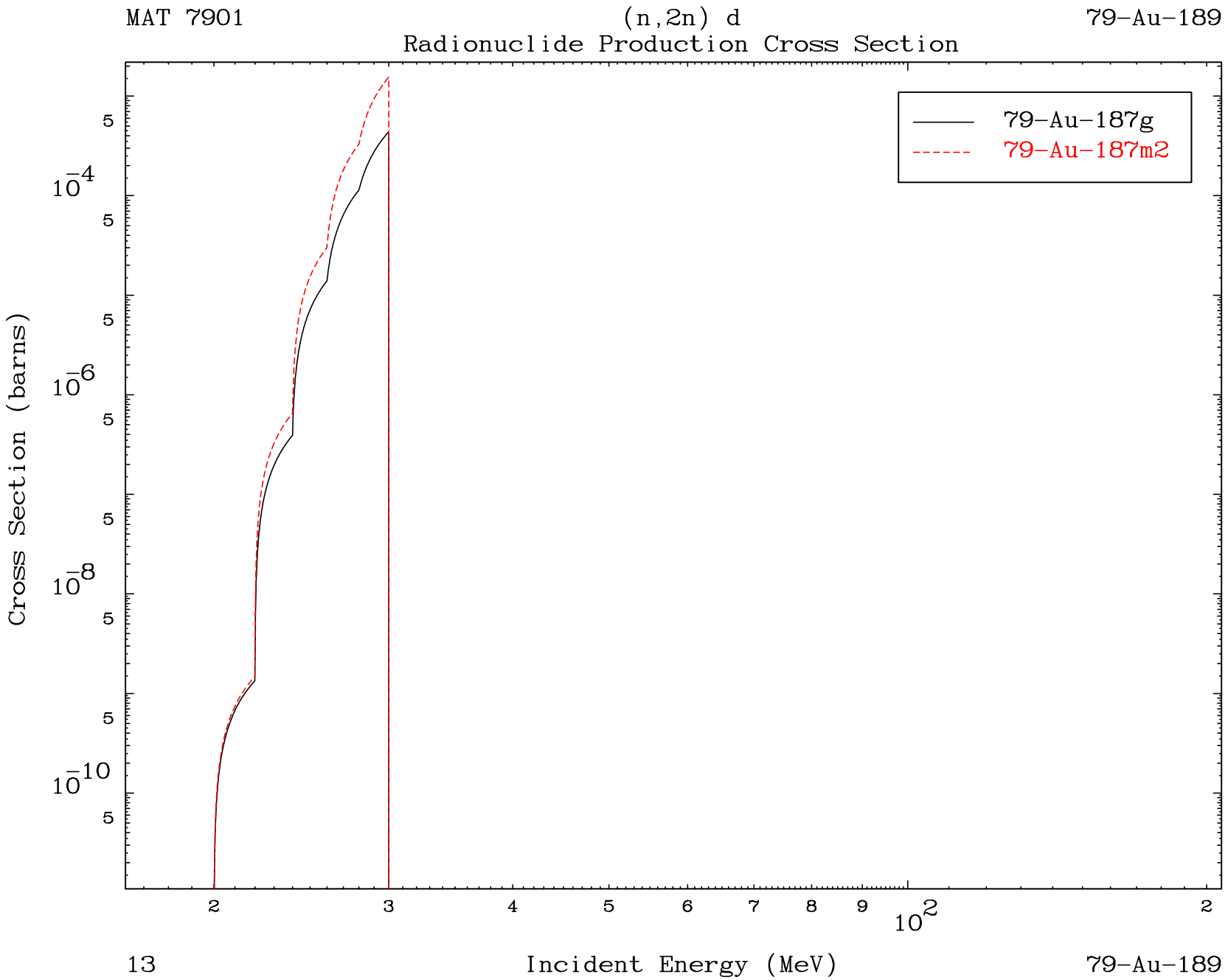

MAT 7901
(d,d) Levels
79-Au-189
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
79-Au-189

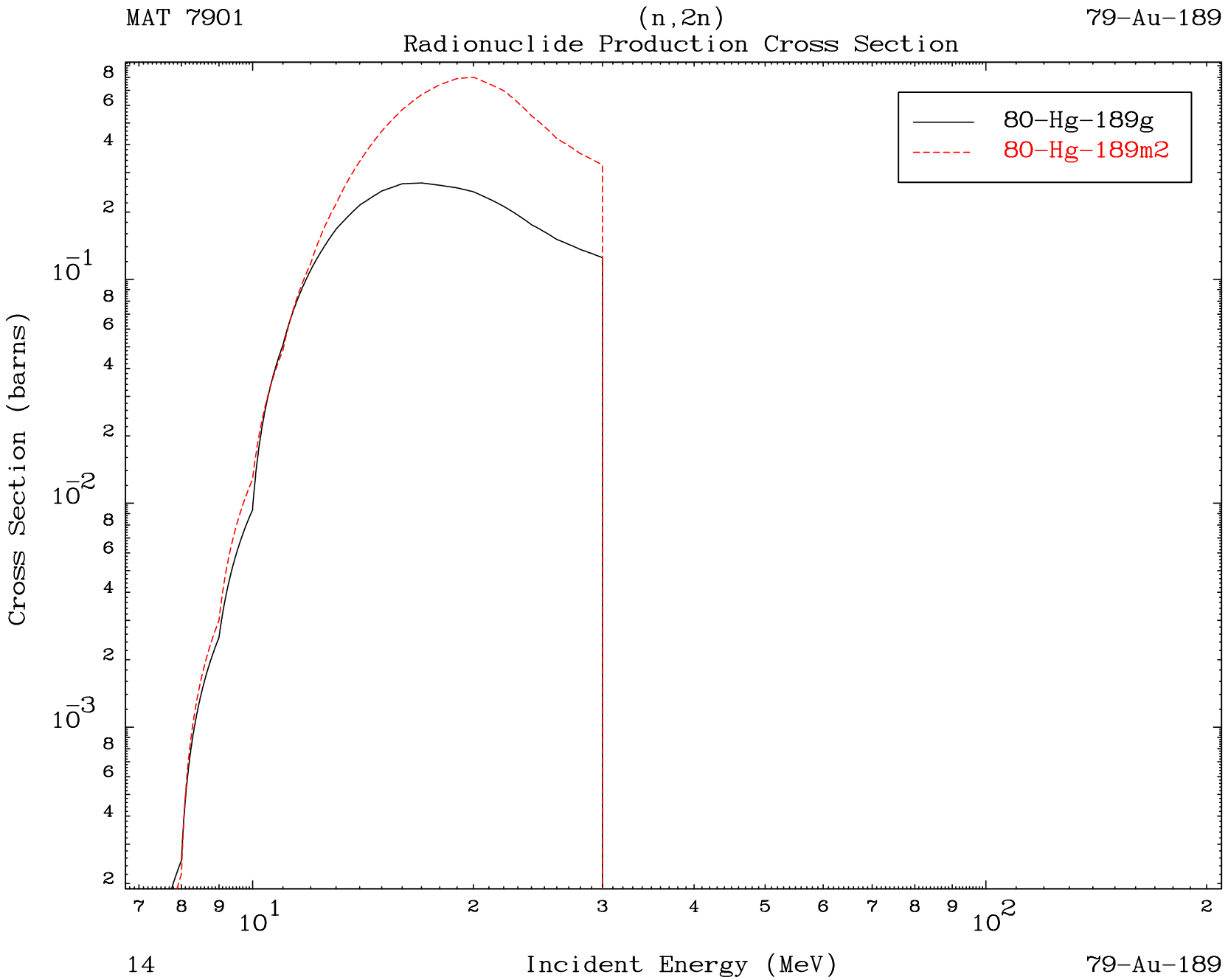

MAT 7901
(d,t) Levels
79-Au-189
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
79-Au-189

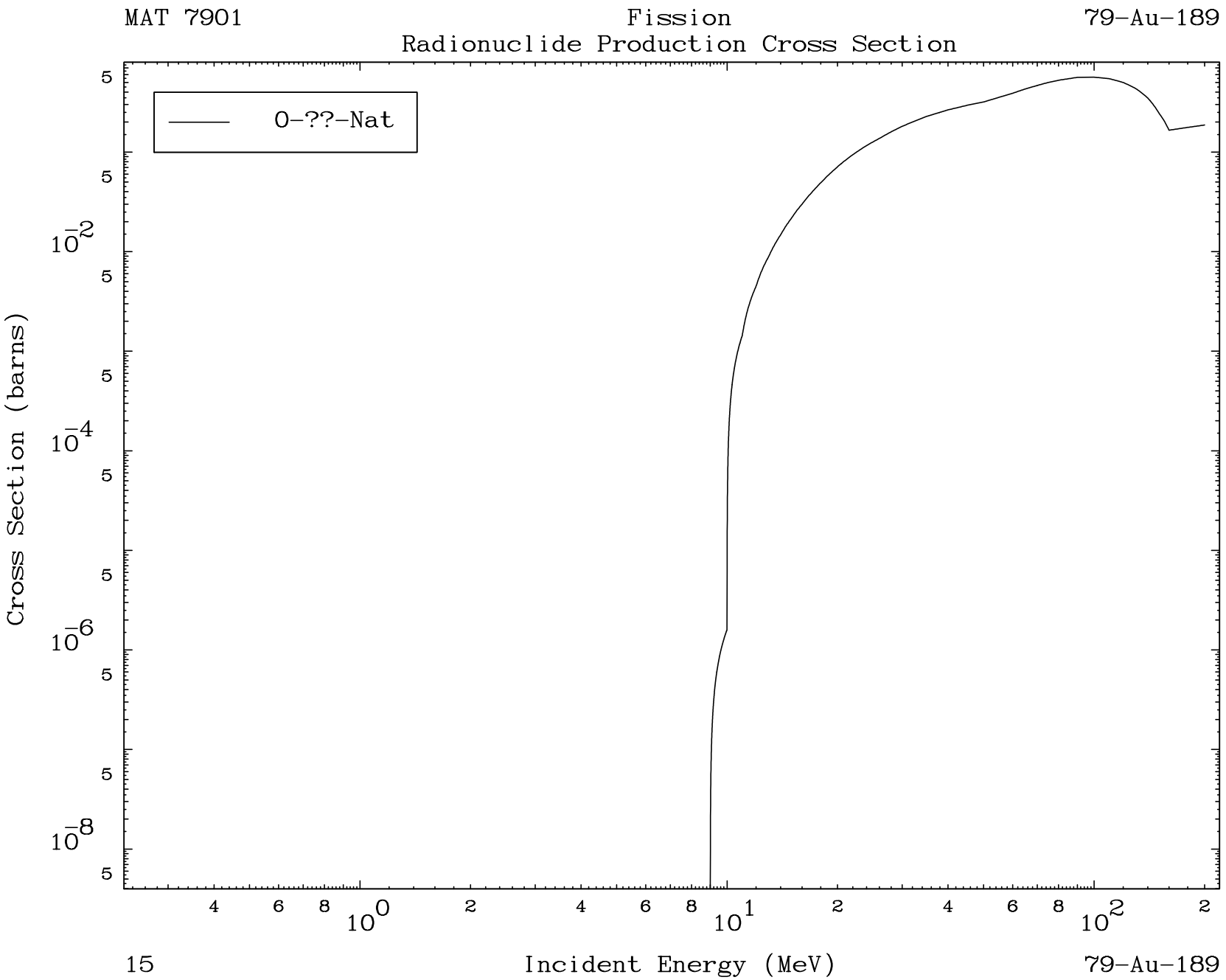
0 Kelvin Cross Sections

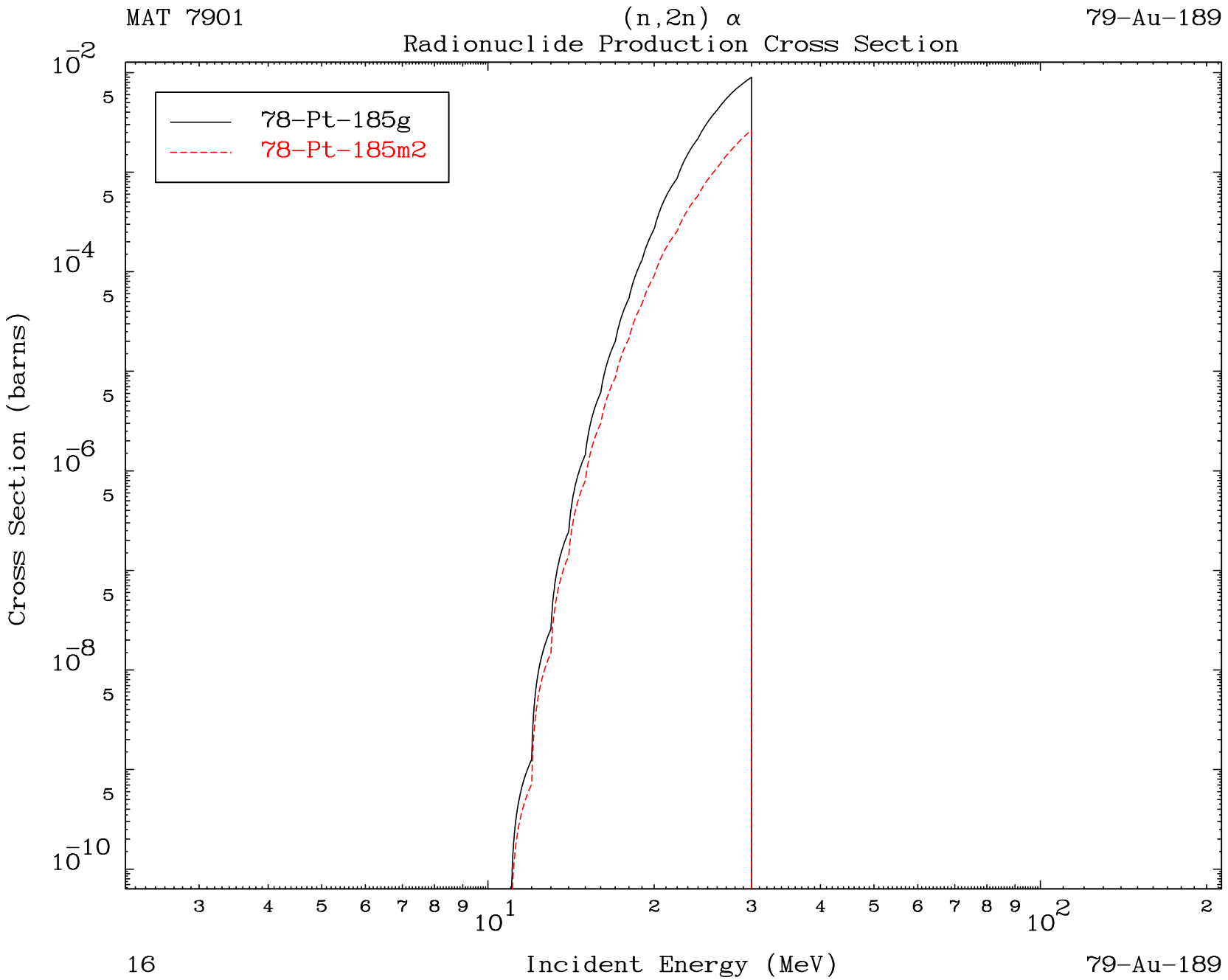


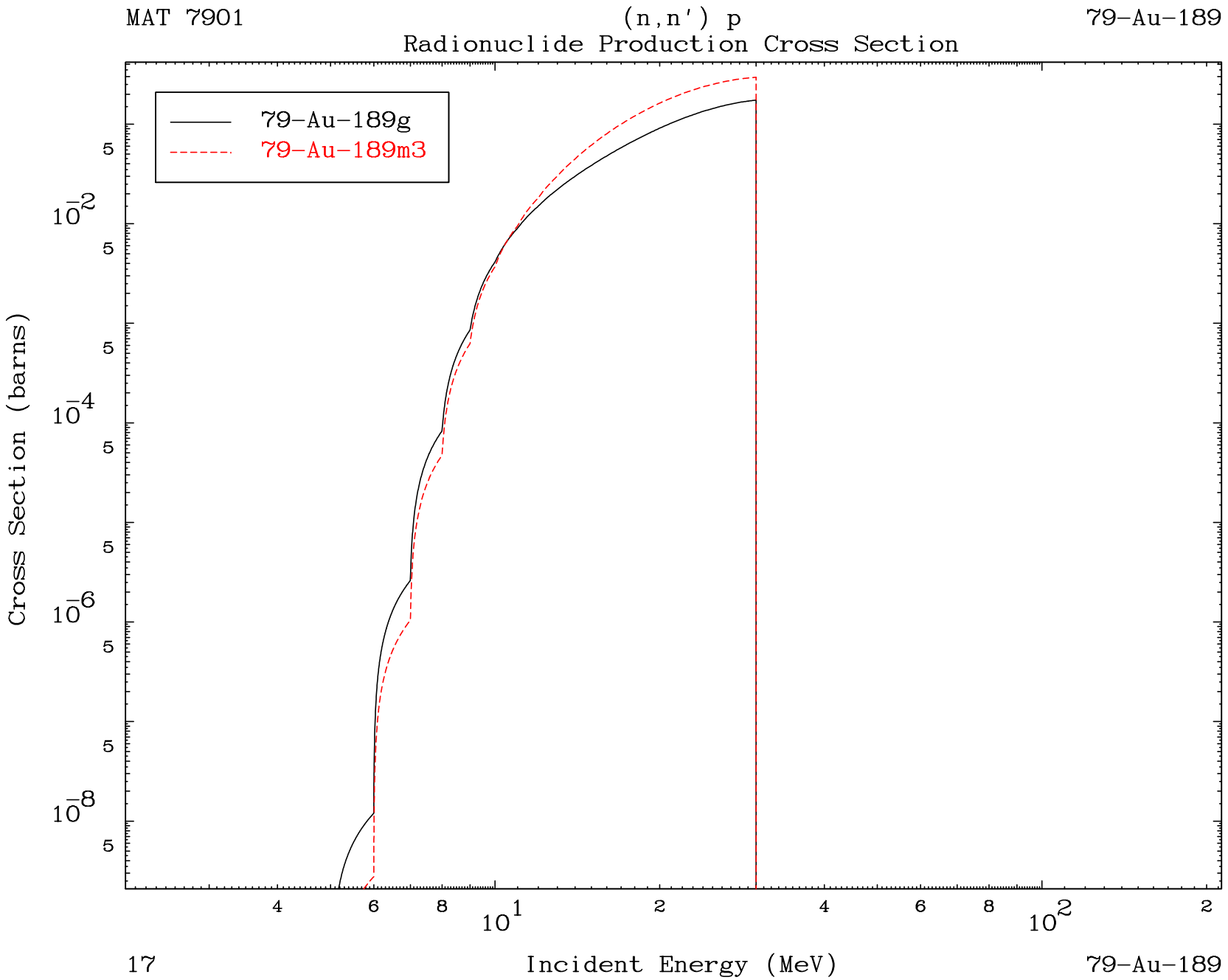

MAT 7901
(d,α) Levels
79-Au-189
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
79-Au-189

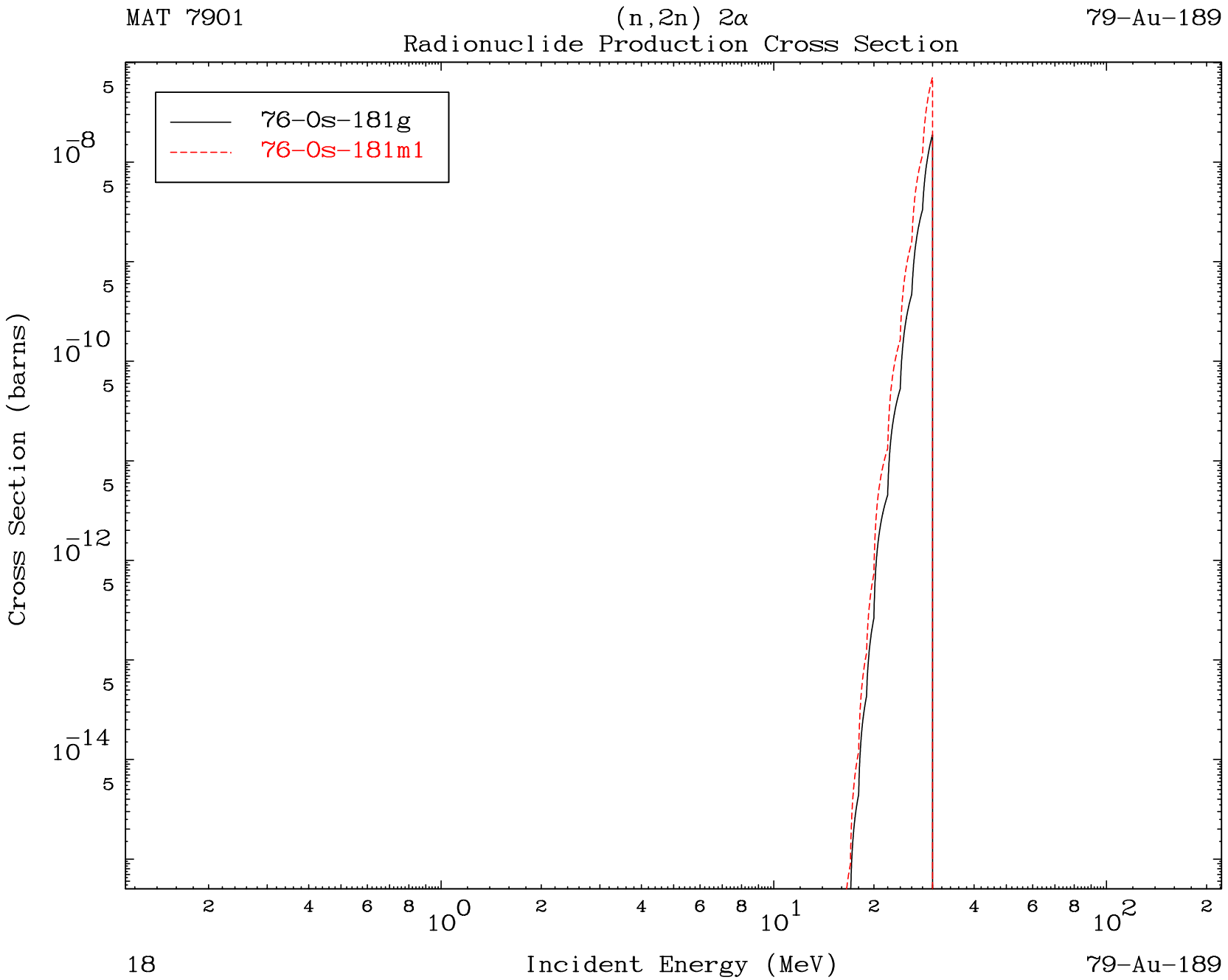

MAT 7901
(n,2n) d
79-Au-189
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
79-Au-189

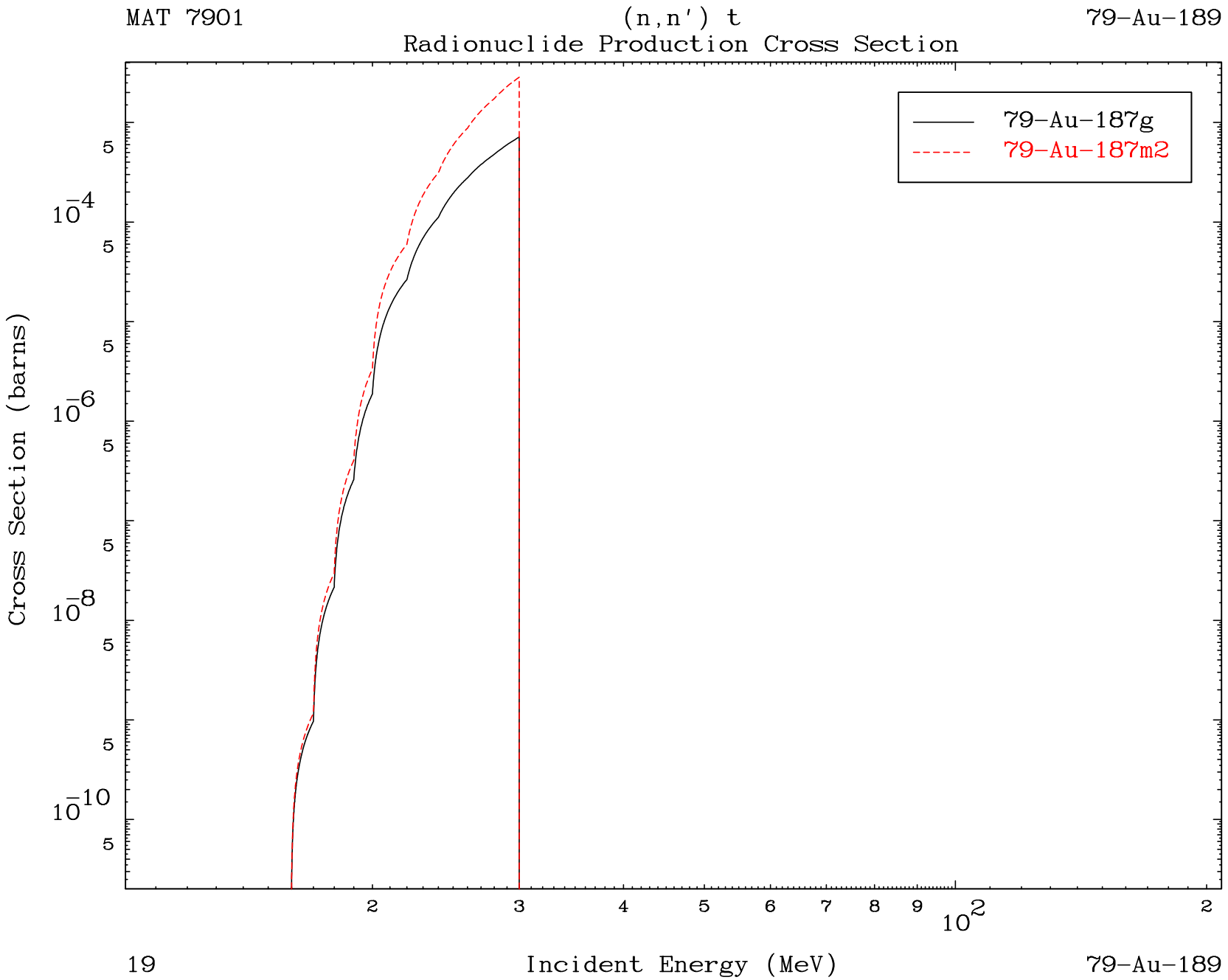

MAT 7901
(n,2n)
79-Au-189
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
Incident Energy (MeV)
14
79-Au-189

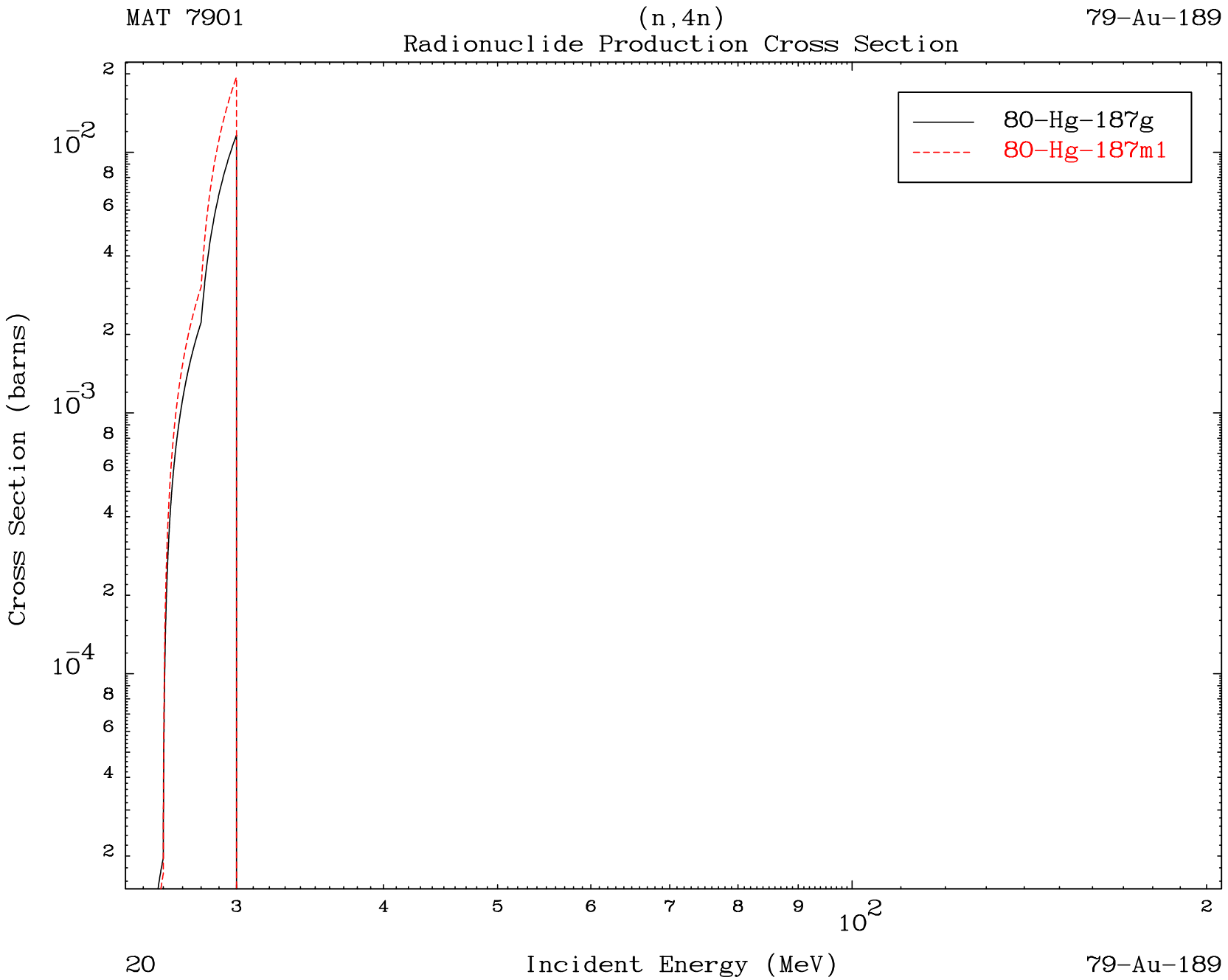

MAT 7901
Fission
79-Au-189
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
15
79-Au-189

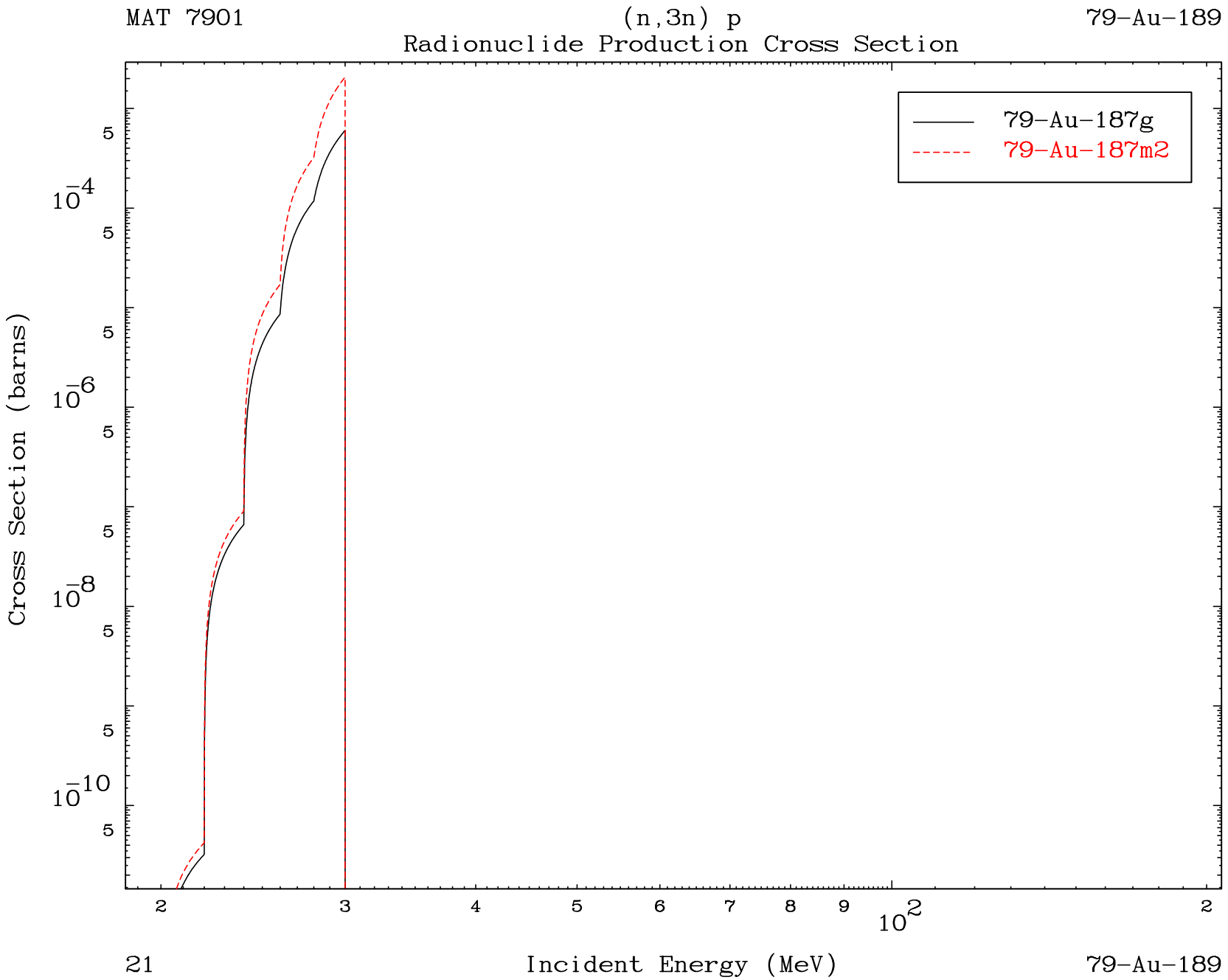

MAT 7901
(n,2n) α
79-Au-189
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
Incident Energy (MeV)
16
79-Au-189

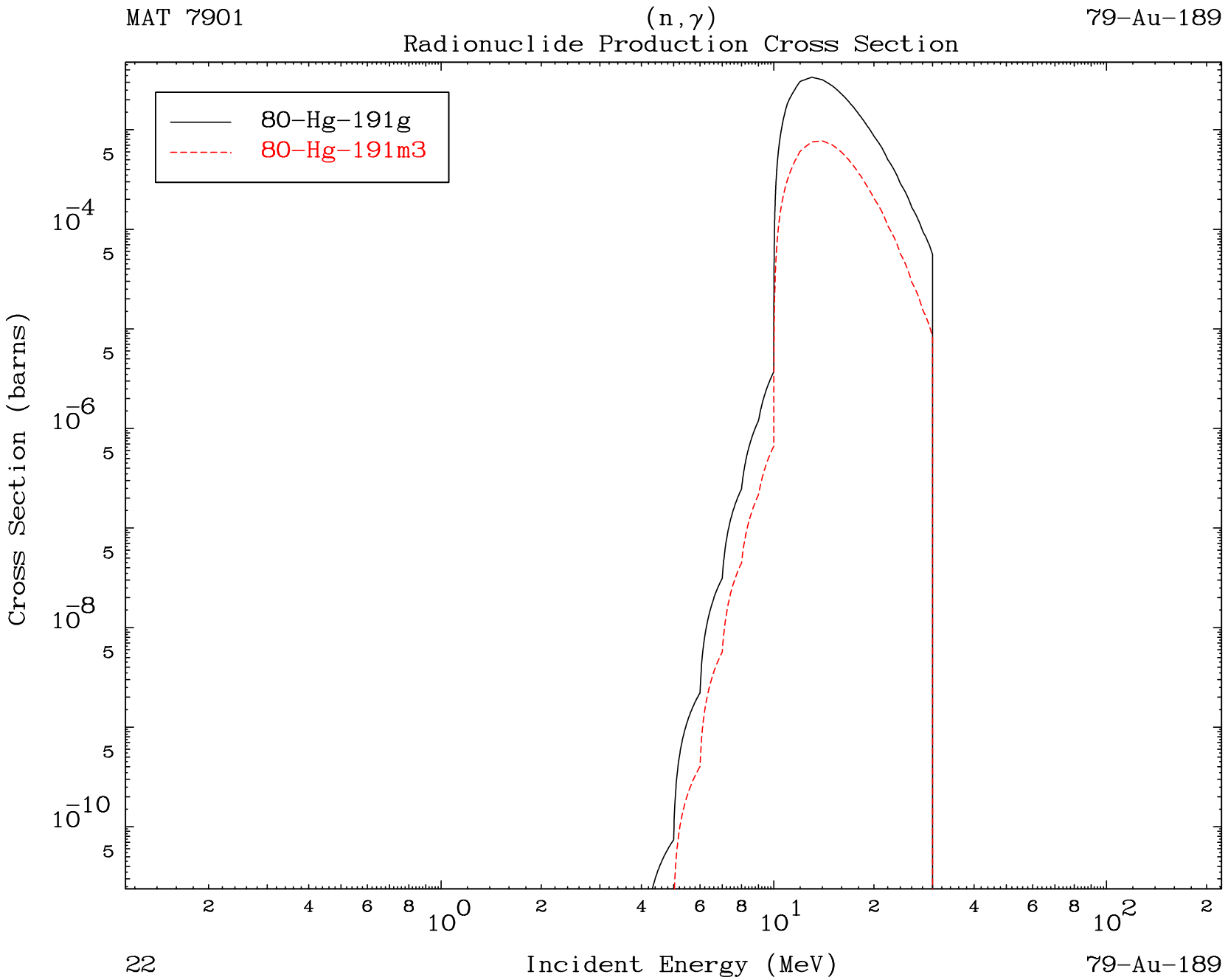

MAT 7901
(n,n') p
79-Au-189
Radionuclide Production Cross Section
79-Au-189g
79-Au-189m3
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
17
Incident Energy (MeV)
79-Au-189

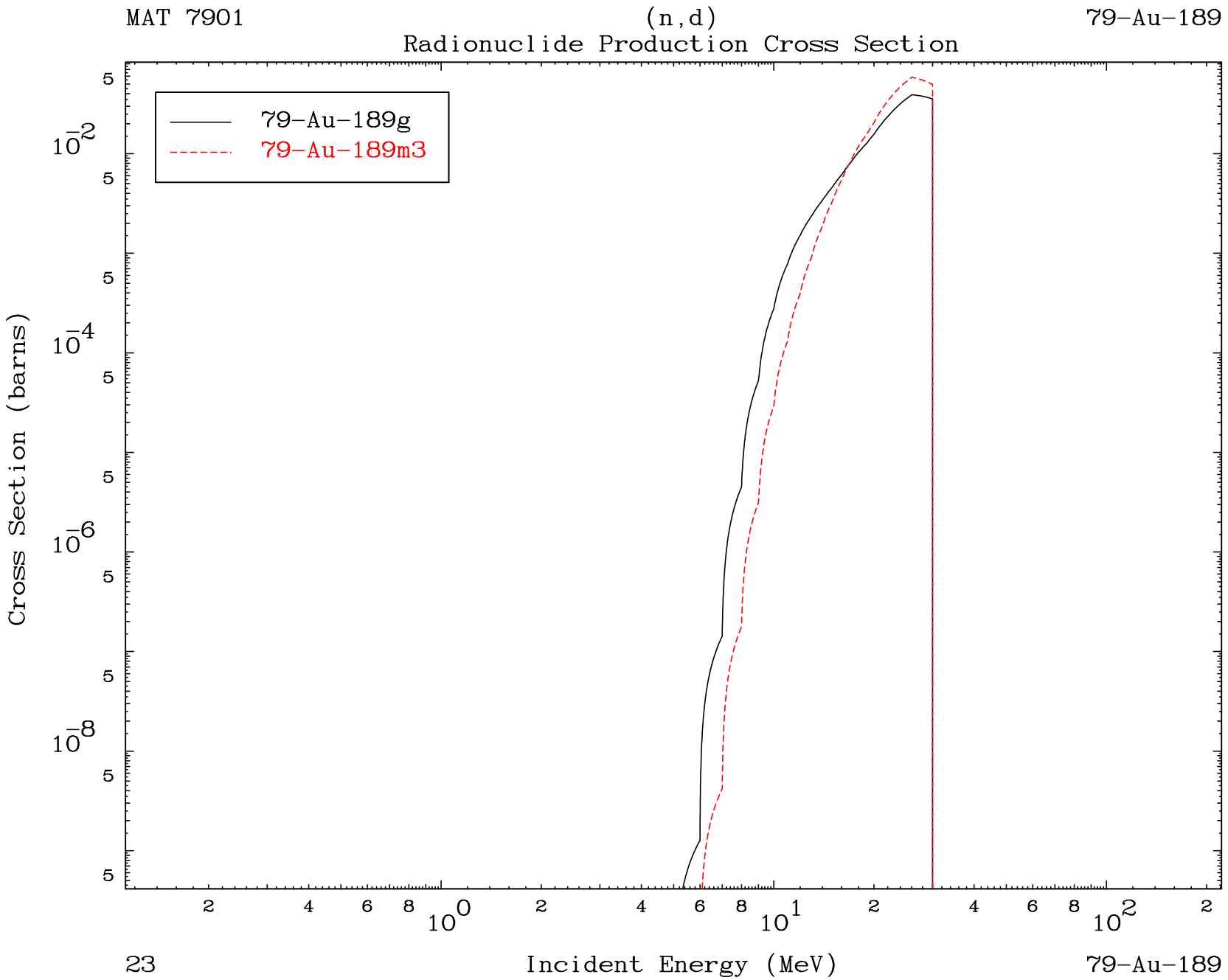

MAT 7901
(n,2n) 2α
79-Au-189
Radionuclide Production Cross Section
76-Os-181g
76-Os-181m1
Cross Section (barns)
Incident Energy (MeV)
18
79-Au-189

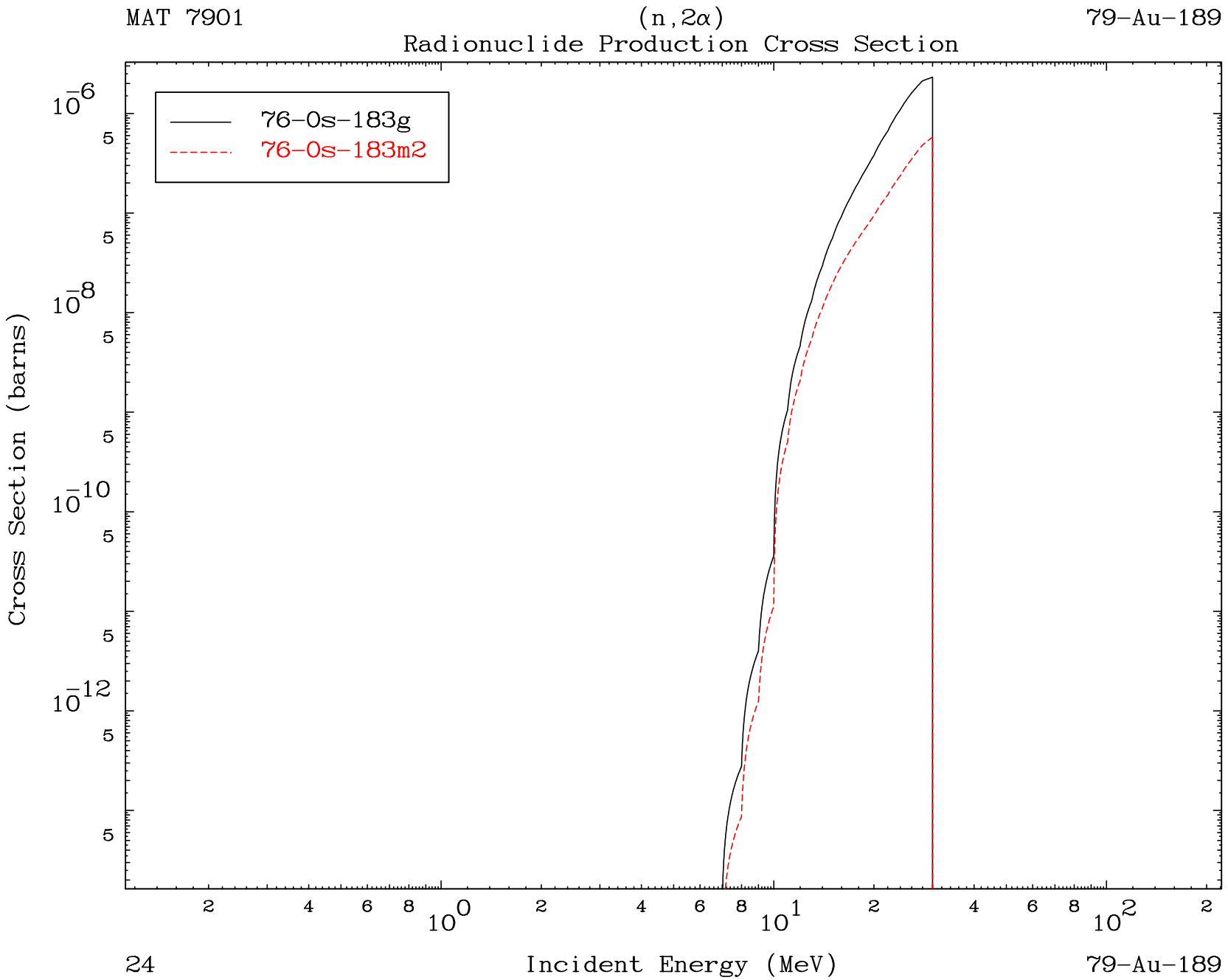

MAT 7901
(n,n') t
79-Au-189
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
79-Au-189

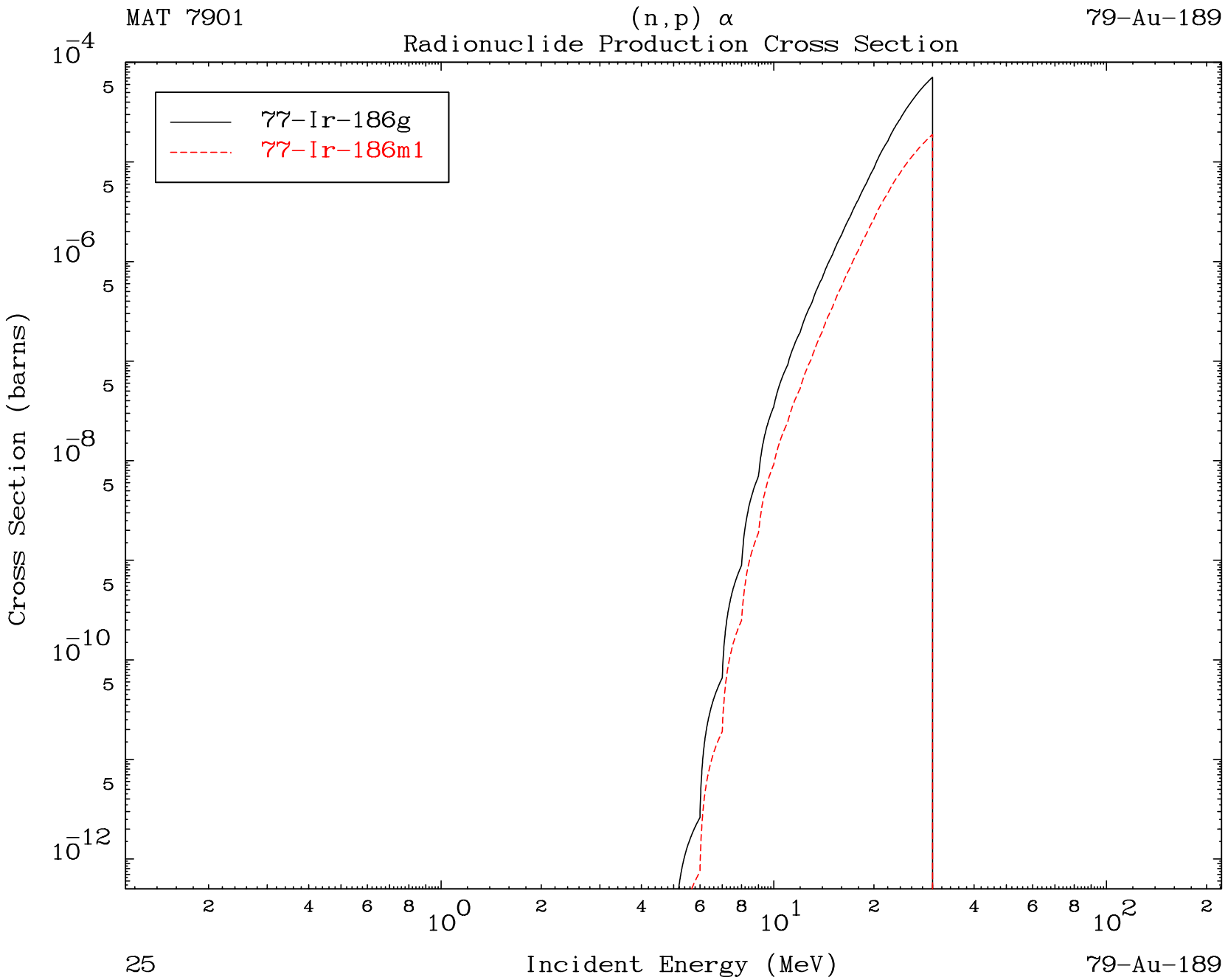

MAT 7901
(n,4n)
79-Au-189
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
Incident Energy (MeV)
20
79-Au-189


MAT 7901
(n,3n) p
79-Au-189
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
21
Incident Energy (MeV)
79-Au-189


MAT 7901
(n,γ)
79-Au-189
Radionuclide Production Cross Section
80-Hg-191g
80-Hg-191m3
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
22
79-Au-189


MAT 7901
(n,d)
79-Au-189
Radionuclide Production Cross Section
79-Au-189g
79-Au-189m3
Cross Section (barns)
Incident Energy (MeV)
23
79-Au-189


MAT 7901
(n,2α)
79-Au-189
Radionuclide Production Cross Section
76-0s-183g
76-0s-183m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
100
101
102
2
4
6
8
24
Incident Energy (MeV)
79-Au-189


MAT 7901
(n,p) α
79-Au-189
Radionuclide Production Cross Section
77-Ir-186g
77-Ir-186m1
Cross Section (barns)
Incident Energy (MeV)
25
79-Au-189