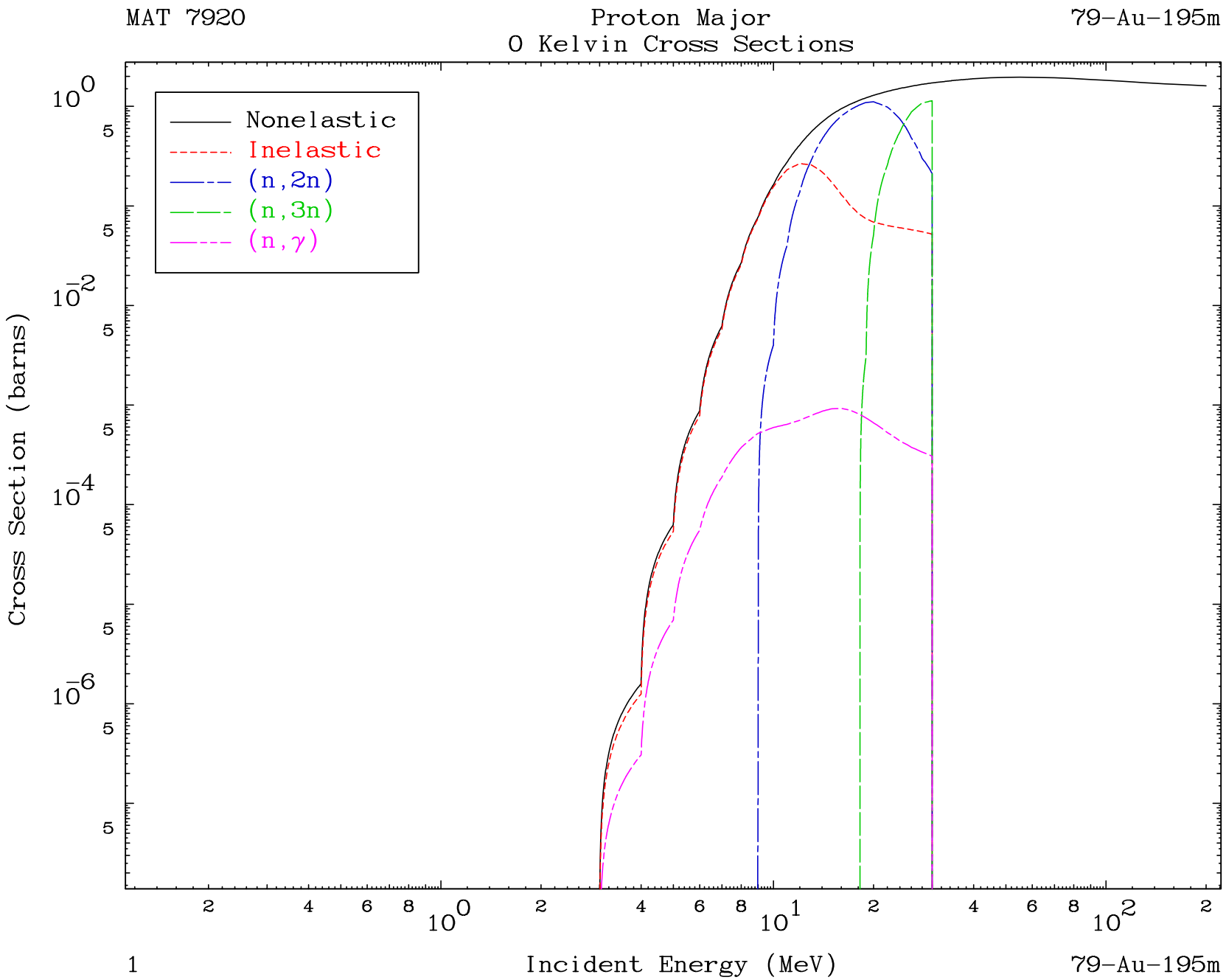
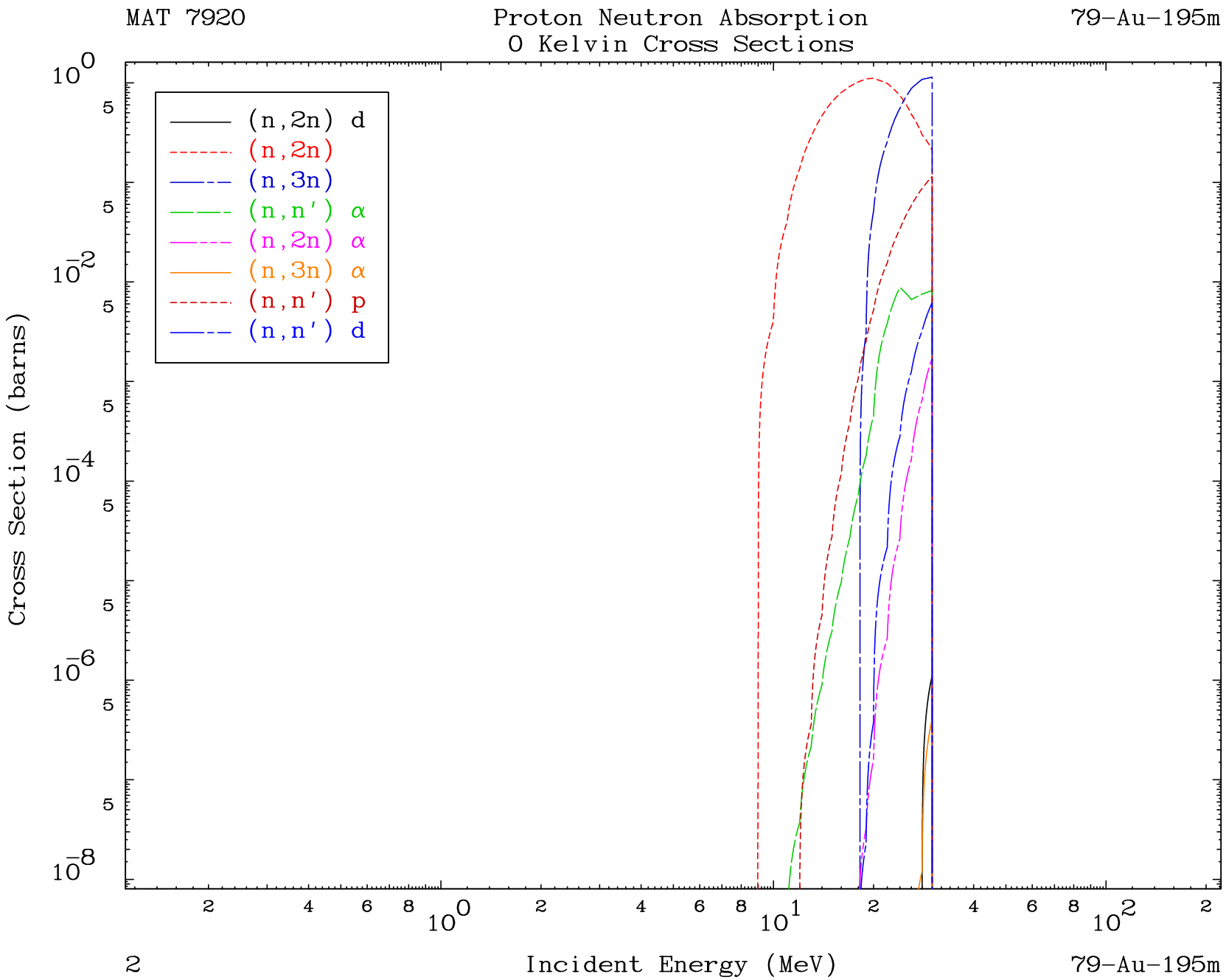
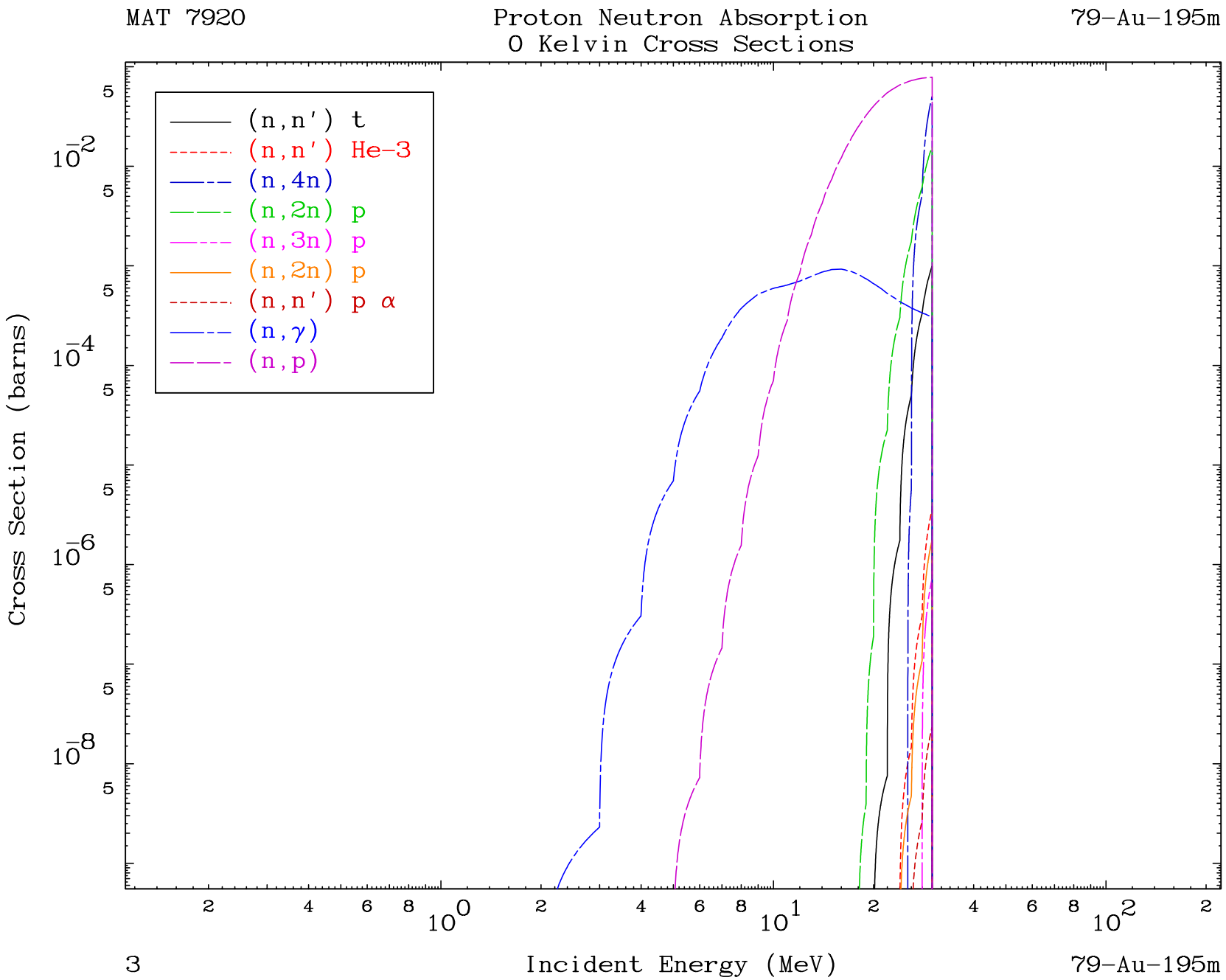
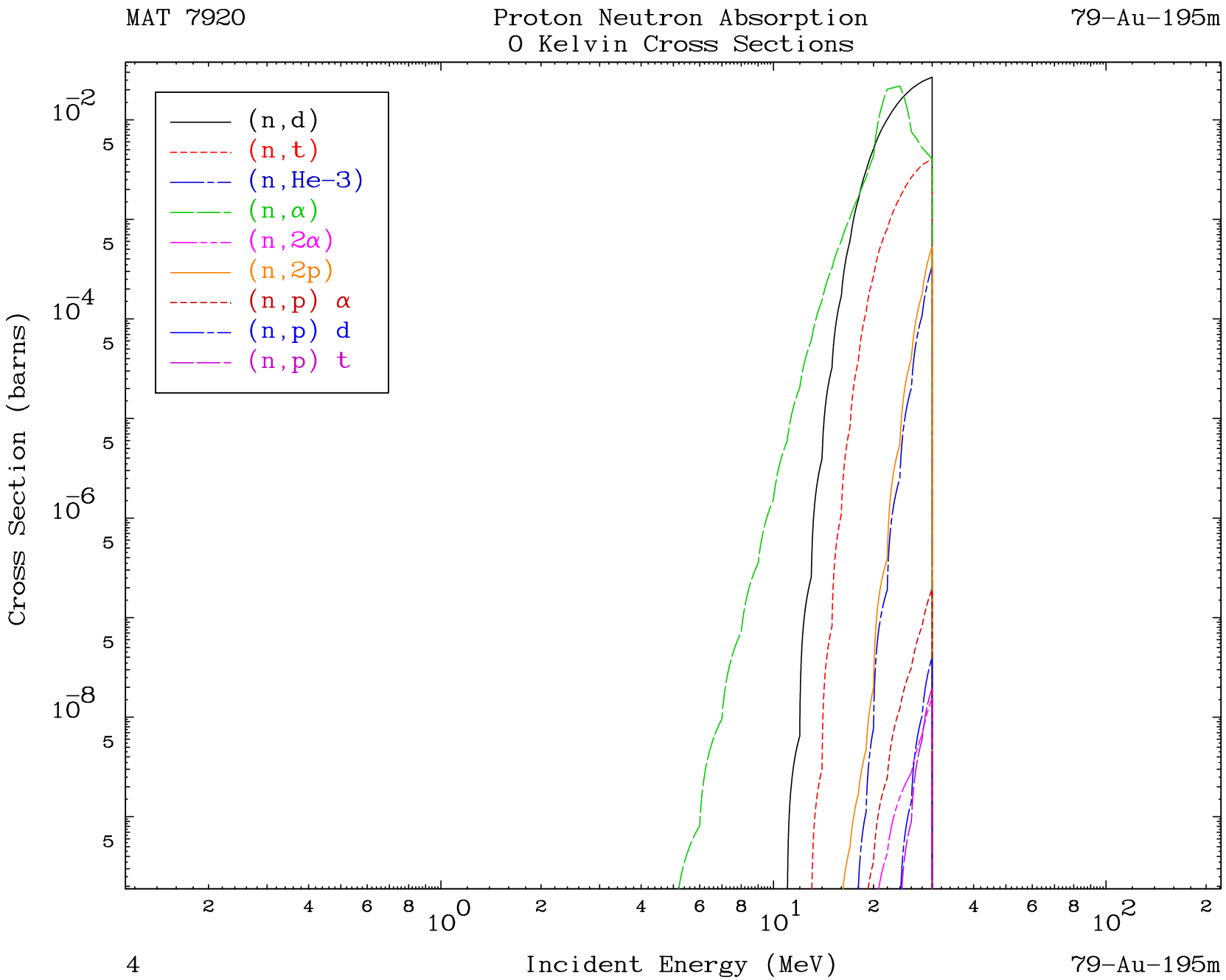
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

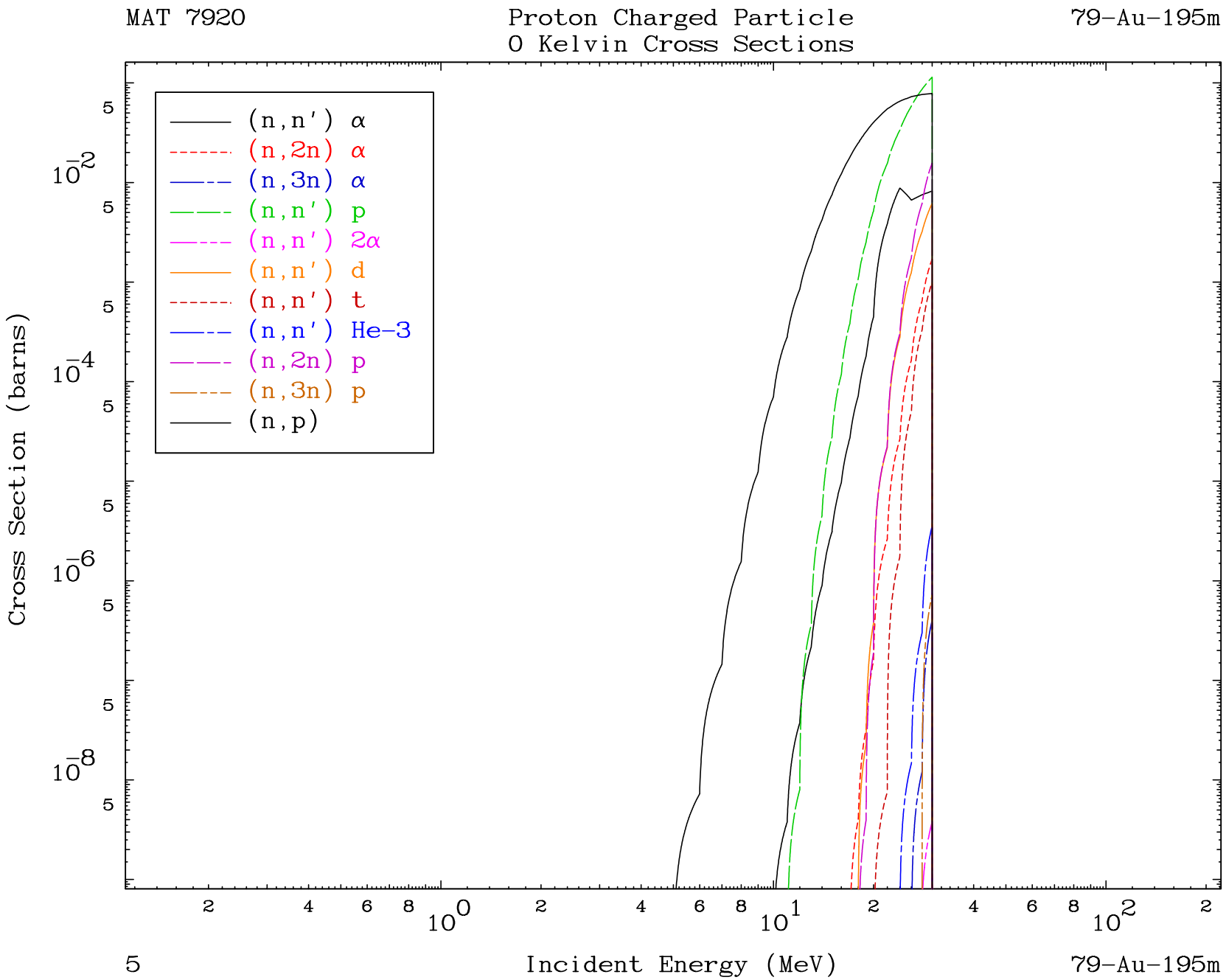
Press Mouse Button to Start

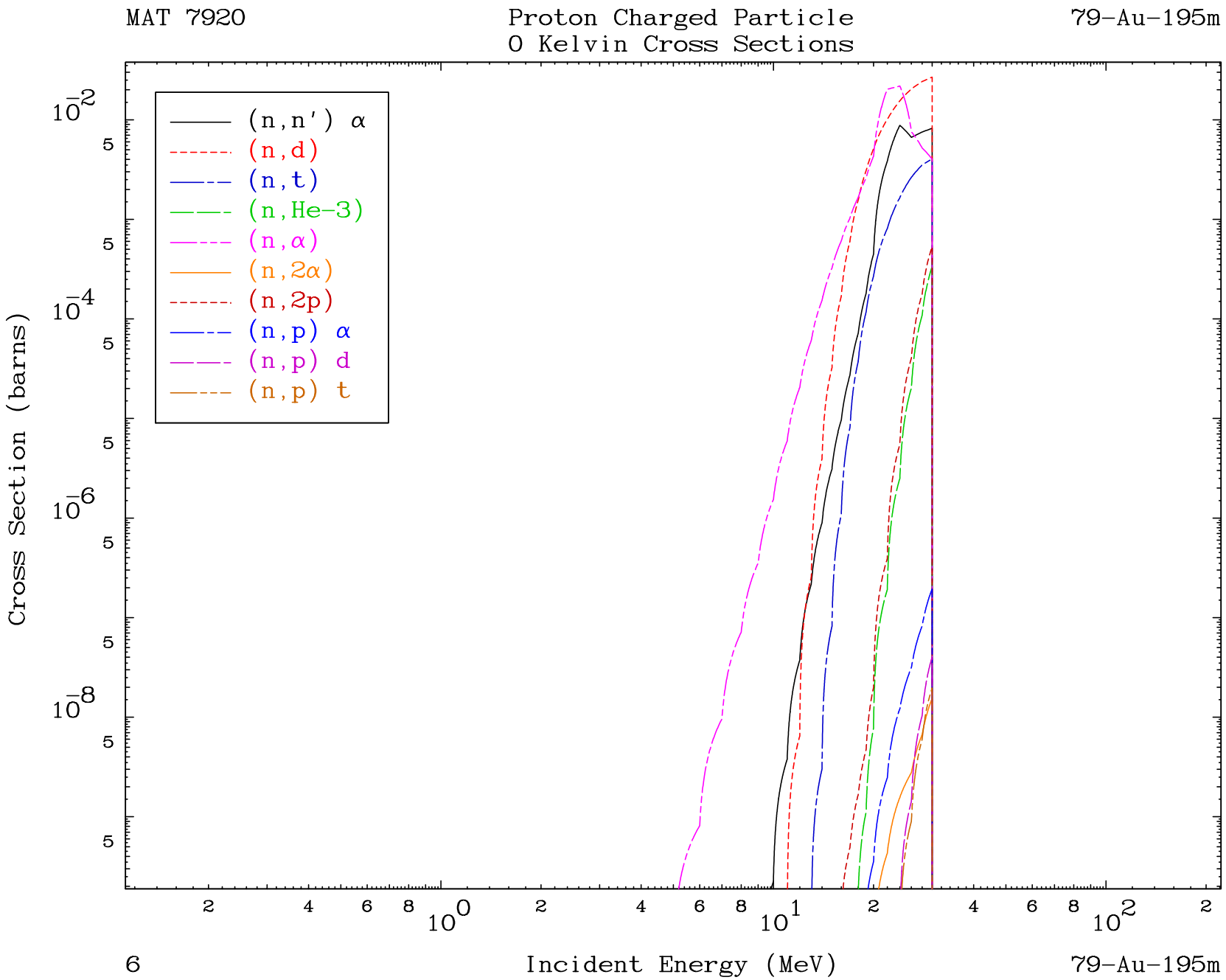

MAT 7920
Proton Major
79-Au-195m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
79-Au-195m

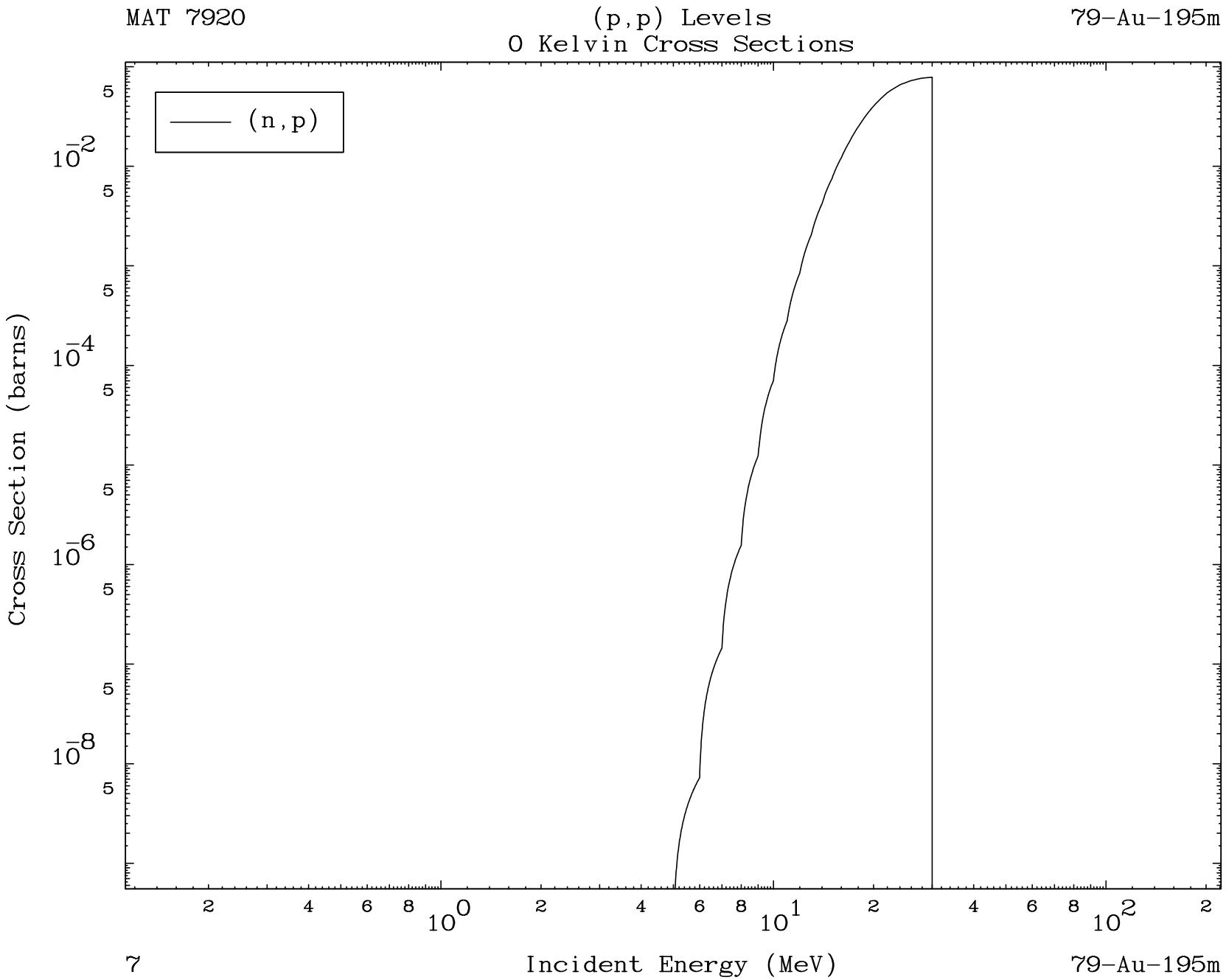

MAT 7920
Proton Neutron Absorption
0 Kelvin Cross Sections
79-Au-195m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
79-Au-195m

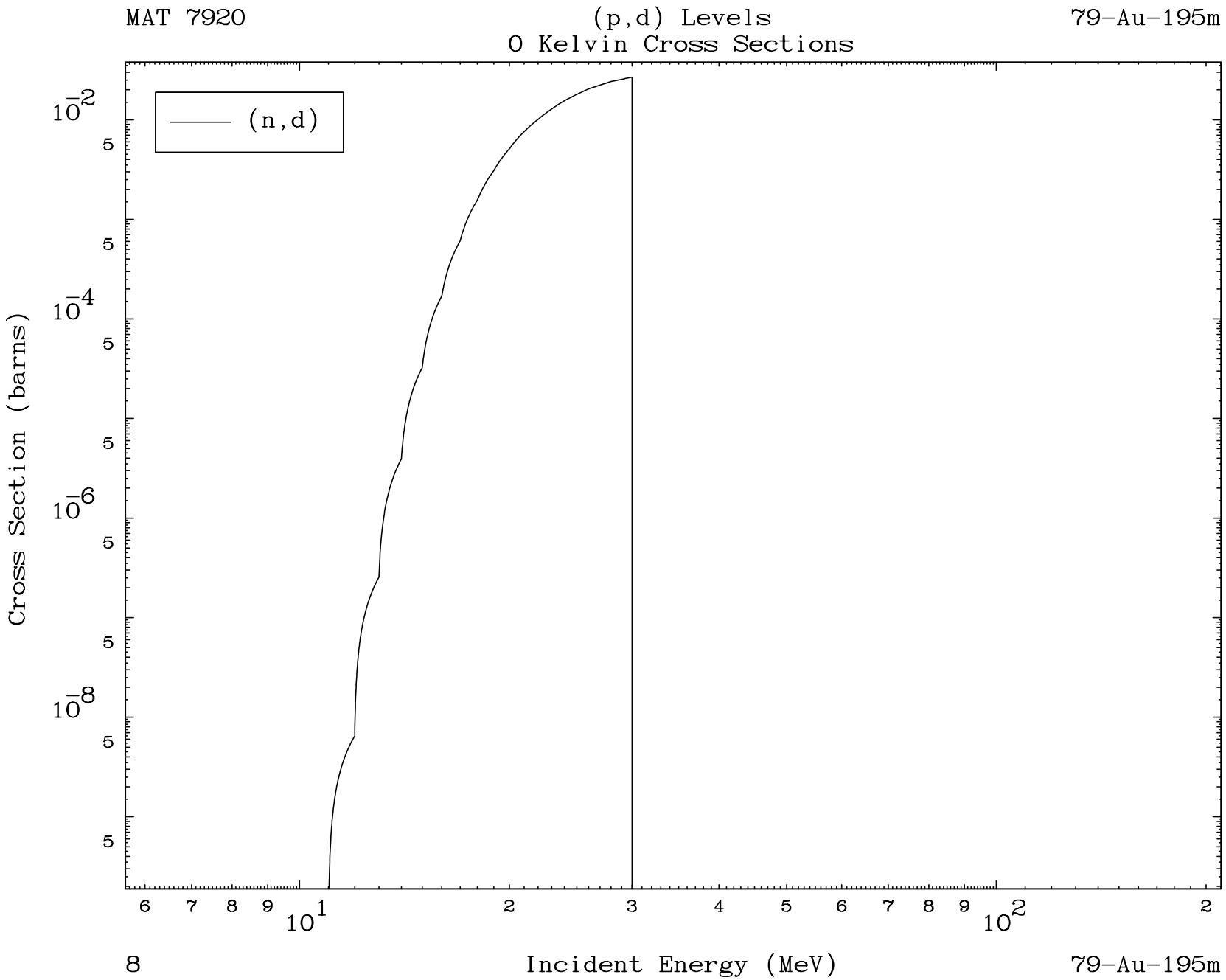

MAT 7920
Proton Neutron Absorption
0 Kelvin Cross Sections
79-Au-195m
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
3
79-Au-195m

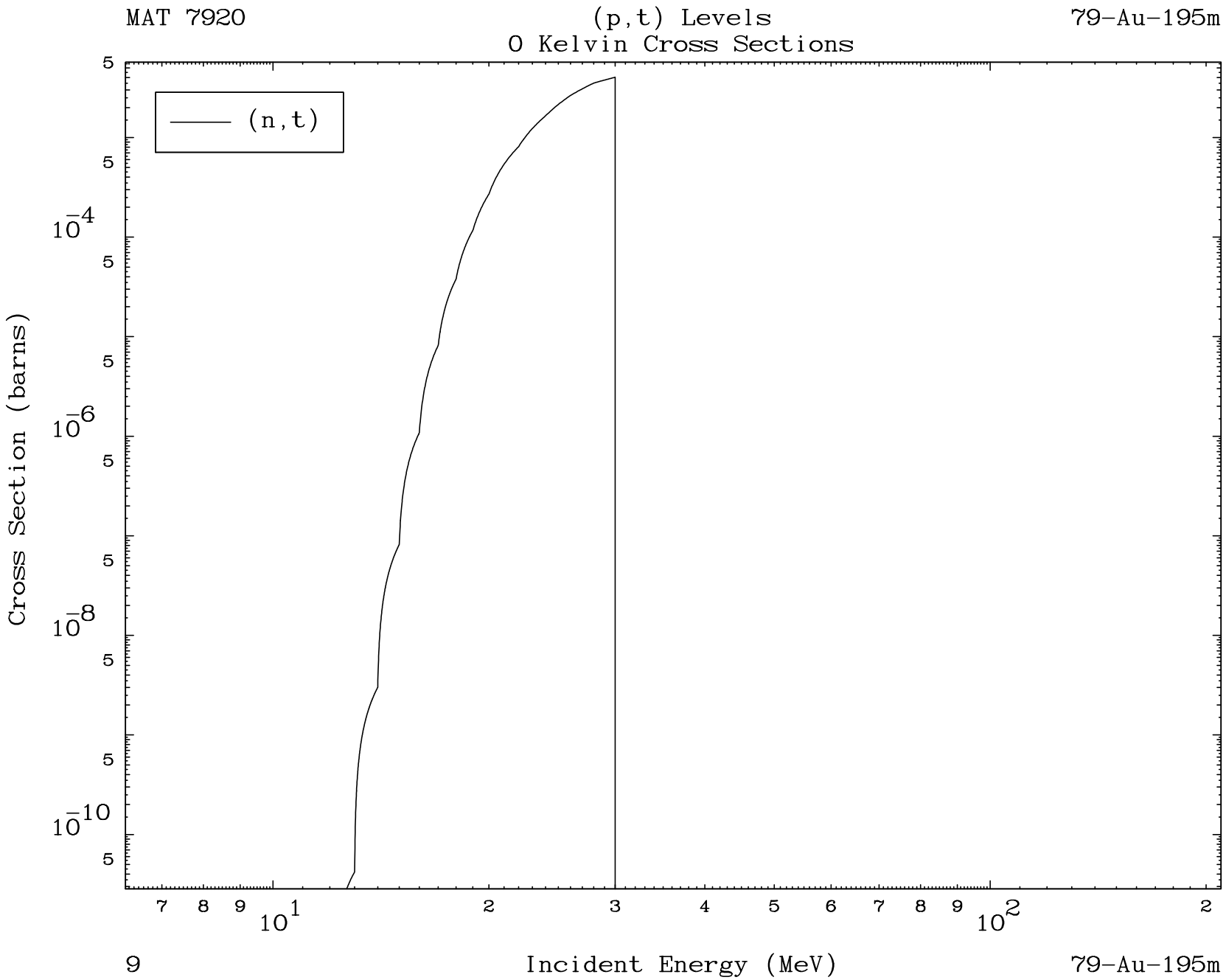

MAT 7920
Proton Neutron Absorption
0 Kelvin Cross Sections
79-Au-195m
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
79-Au-195m
4

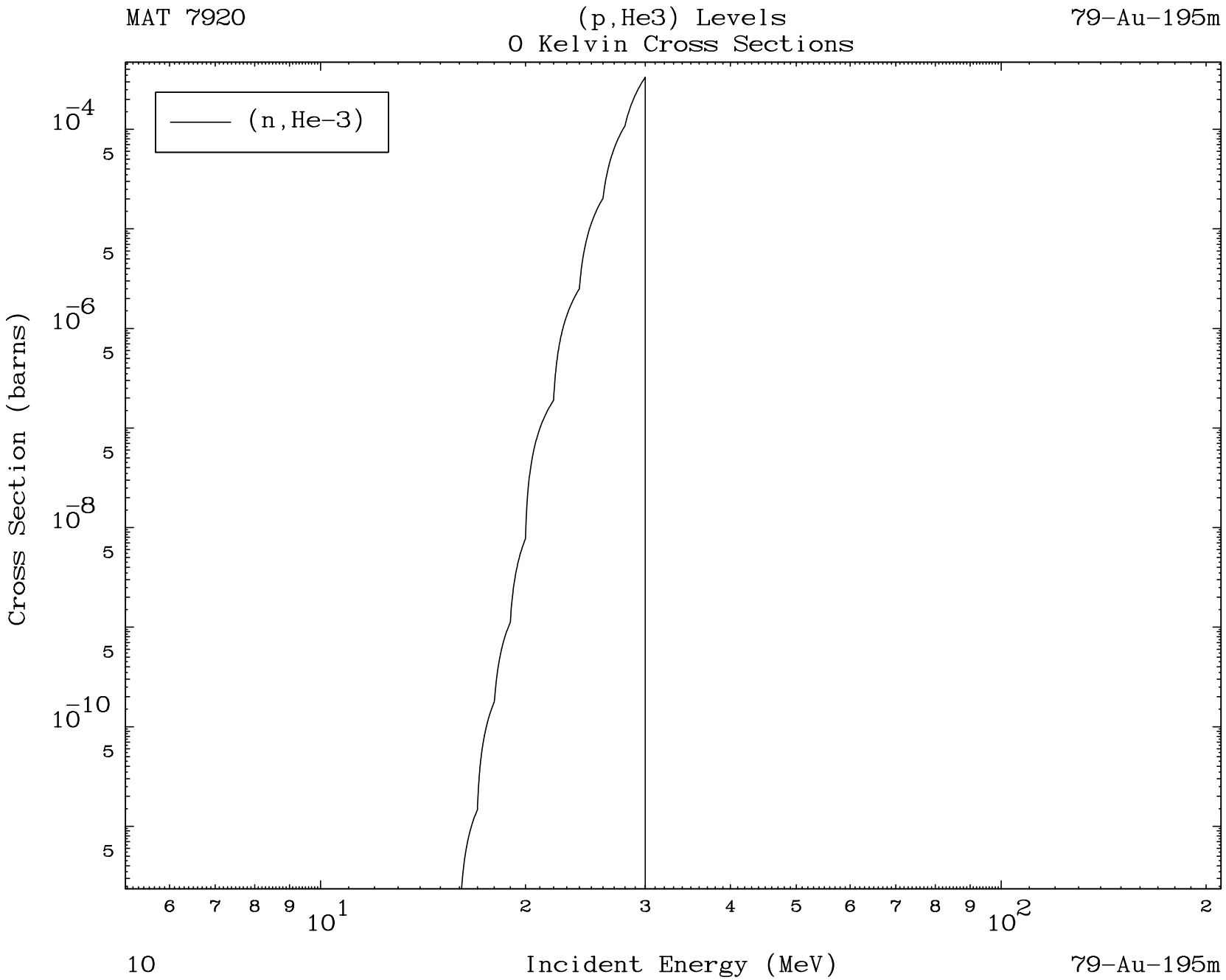

MAT 7920
Proton Charged Particle
0 Kelvin Cross Sections
79-Au-195m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
79-Au-195m
5

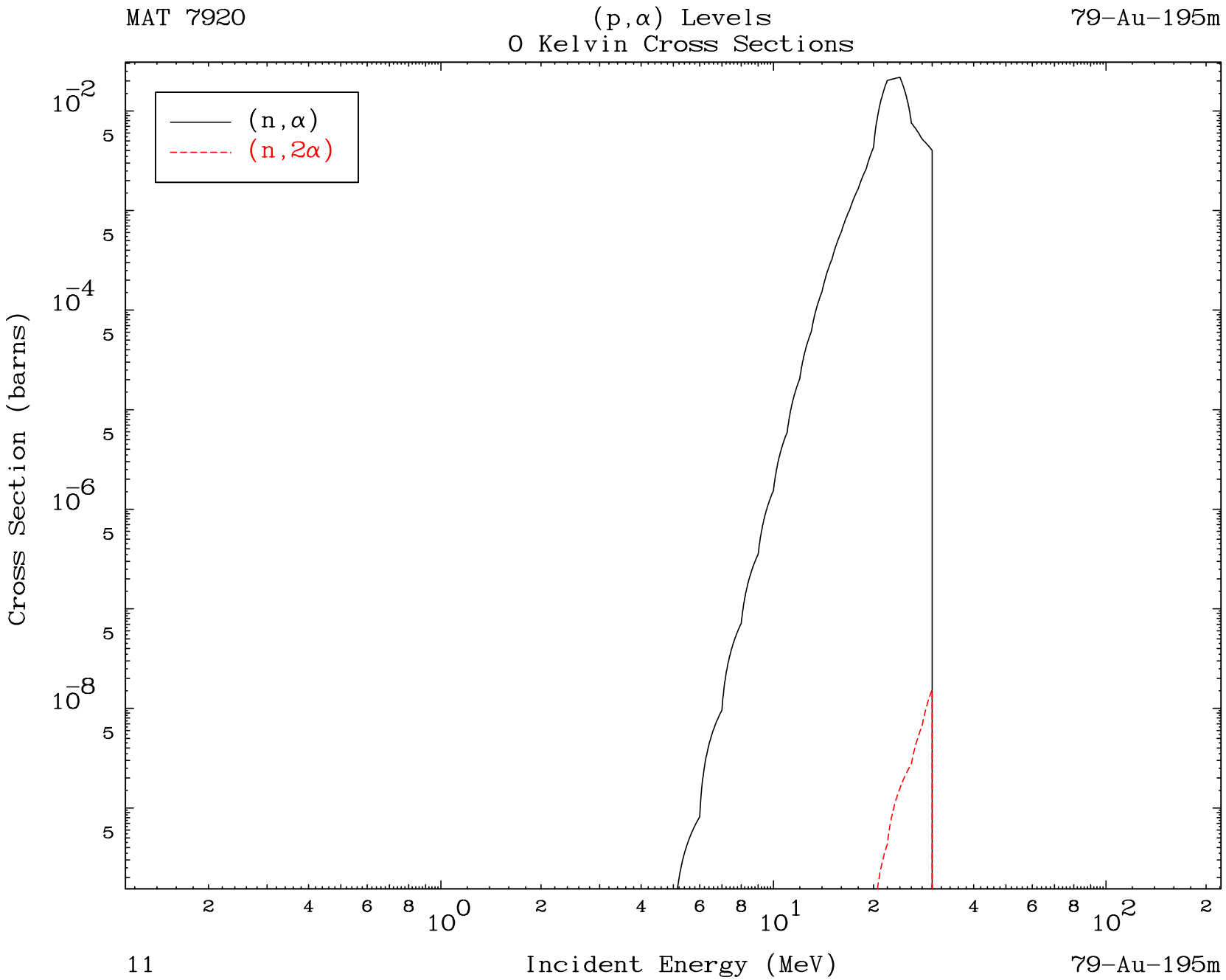

MAT 7920
Proton Charged Particle
0 Kelvin Cross Sections
79-Au-195m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
79-Au-195m
6

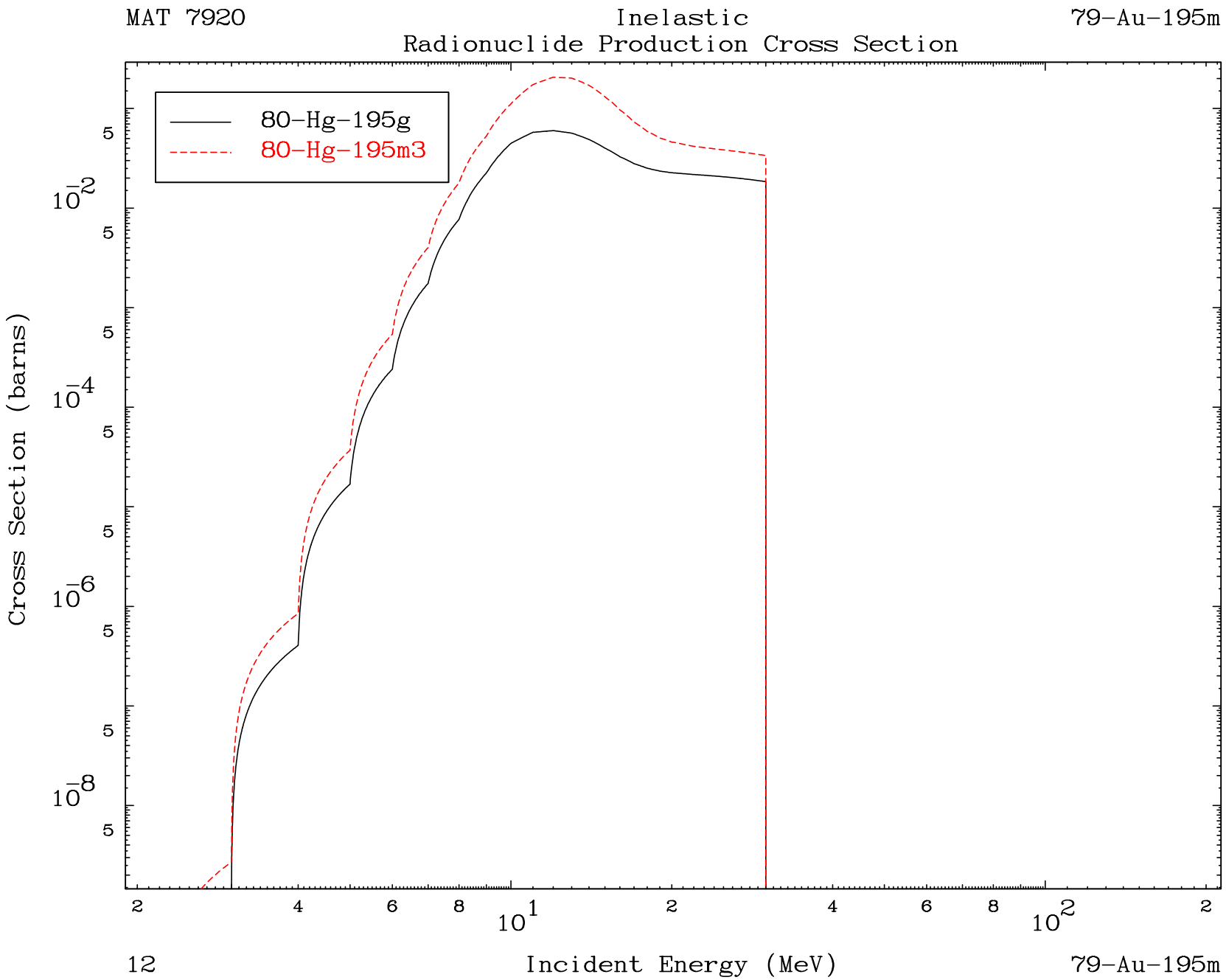

MAT 7920
(p,p) Levels
79-Au-195m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
79-Au-195m

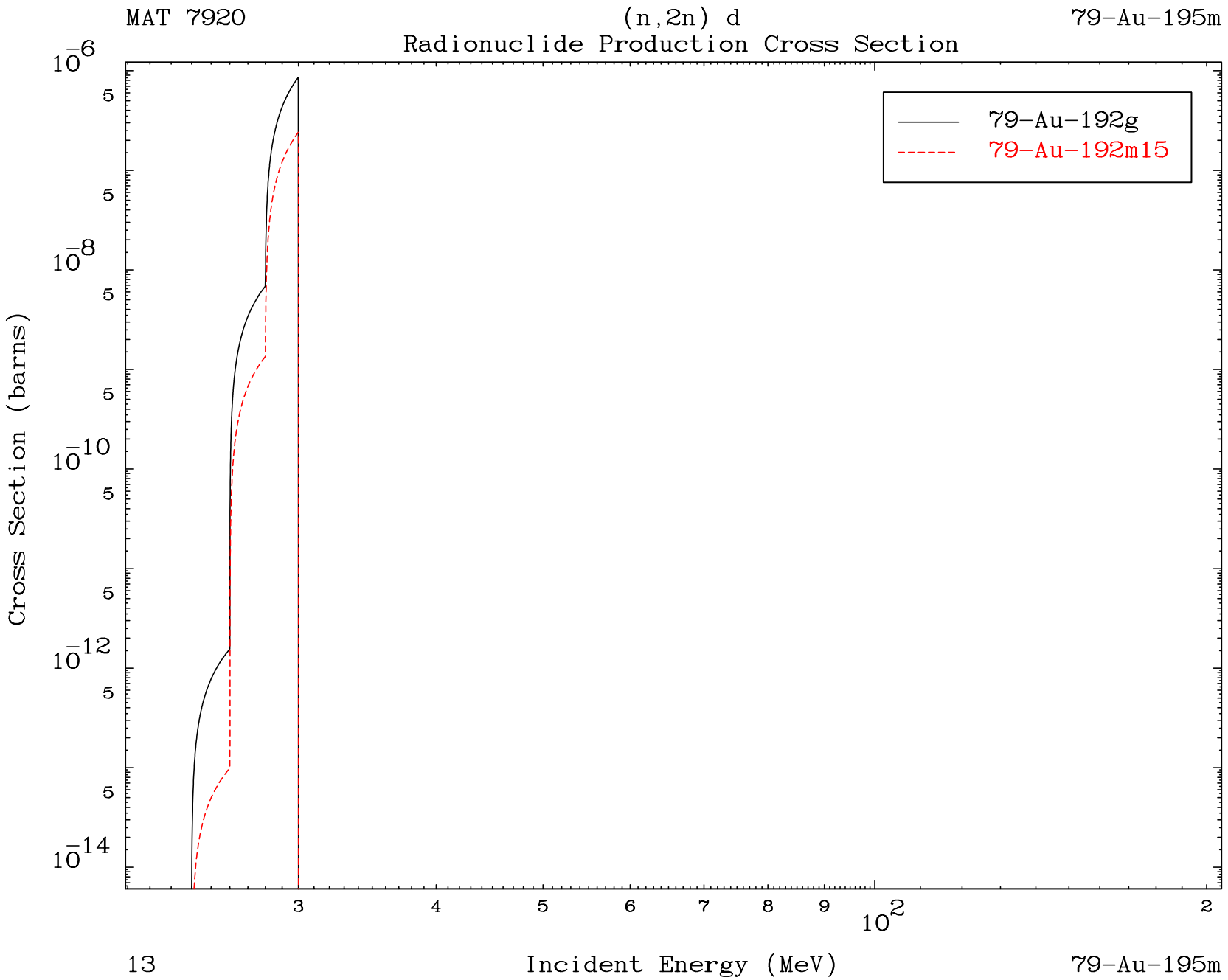

MAT 7920
(p,d) Levels
79-Au-195m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
79-Au-195m

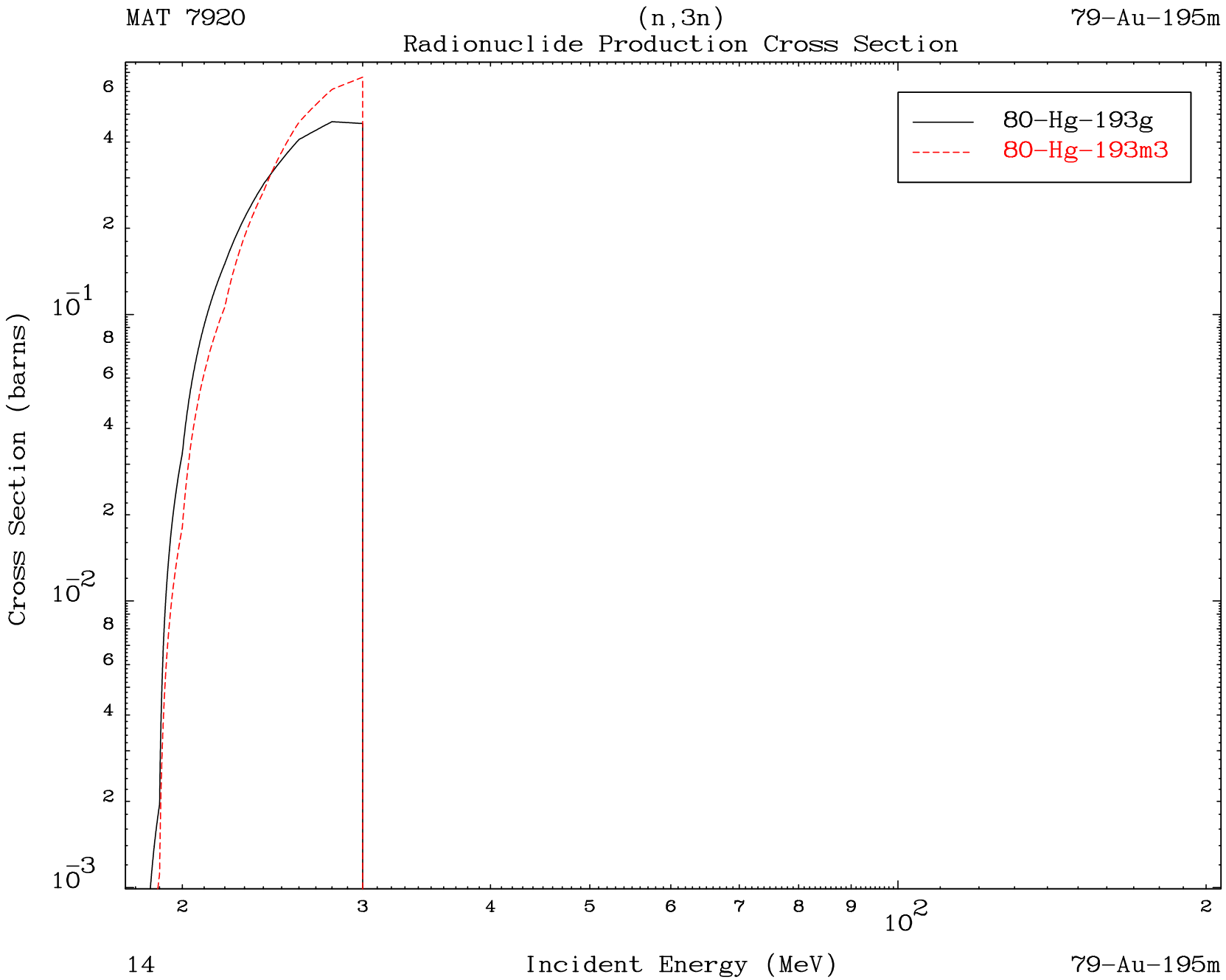

MAT 7920
(p,t) Levels
79-Au-195m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
79-Au-195m
9

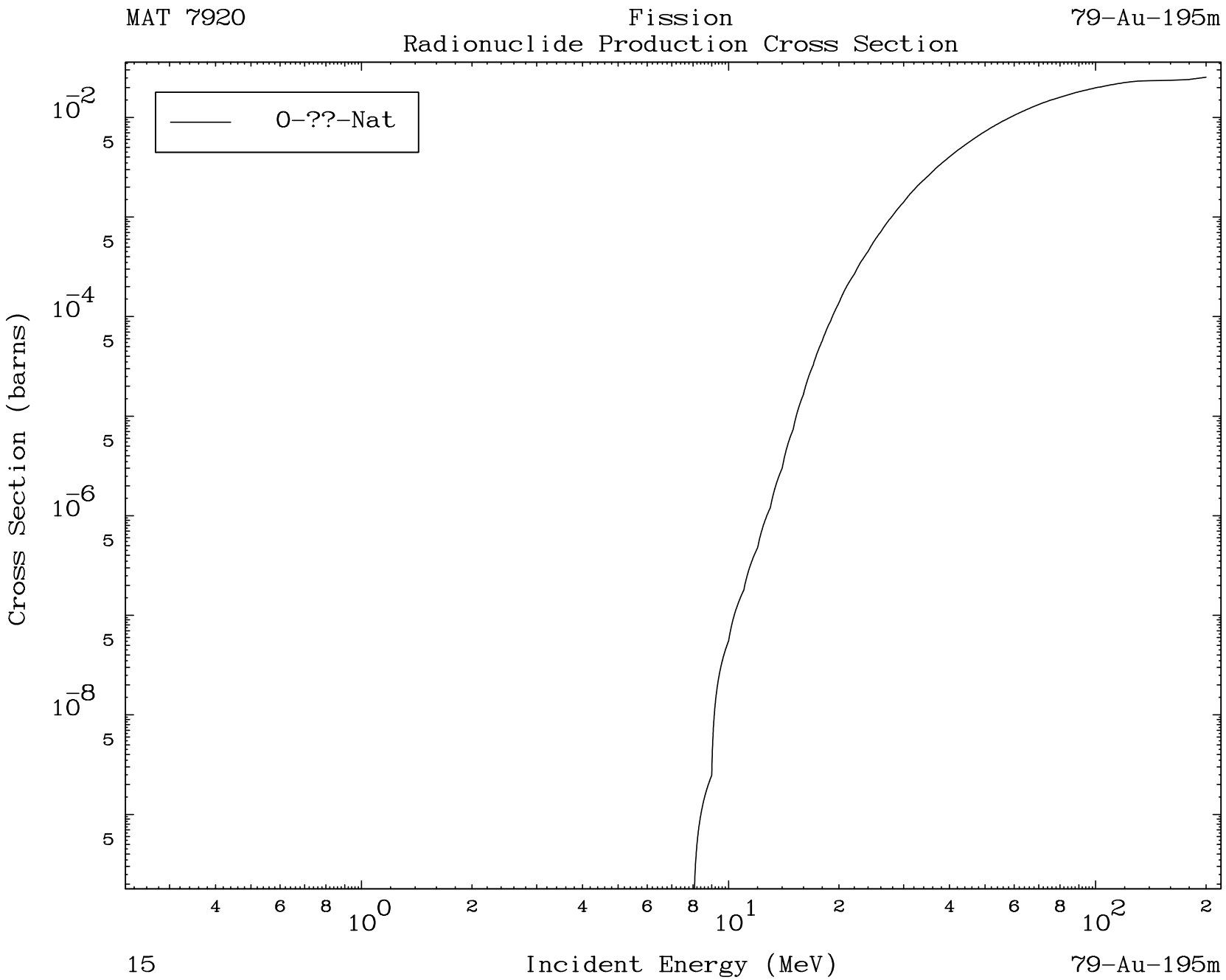

MAT 7920
(p,He3) Levels
79-Au-195m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
79-Au-195m

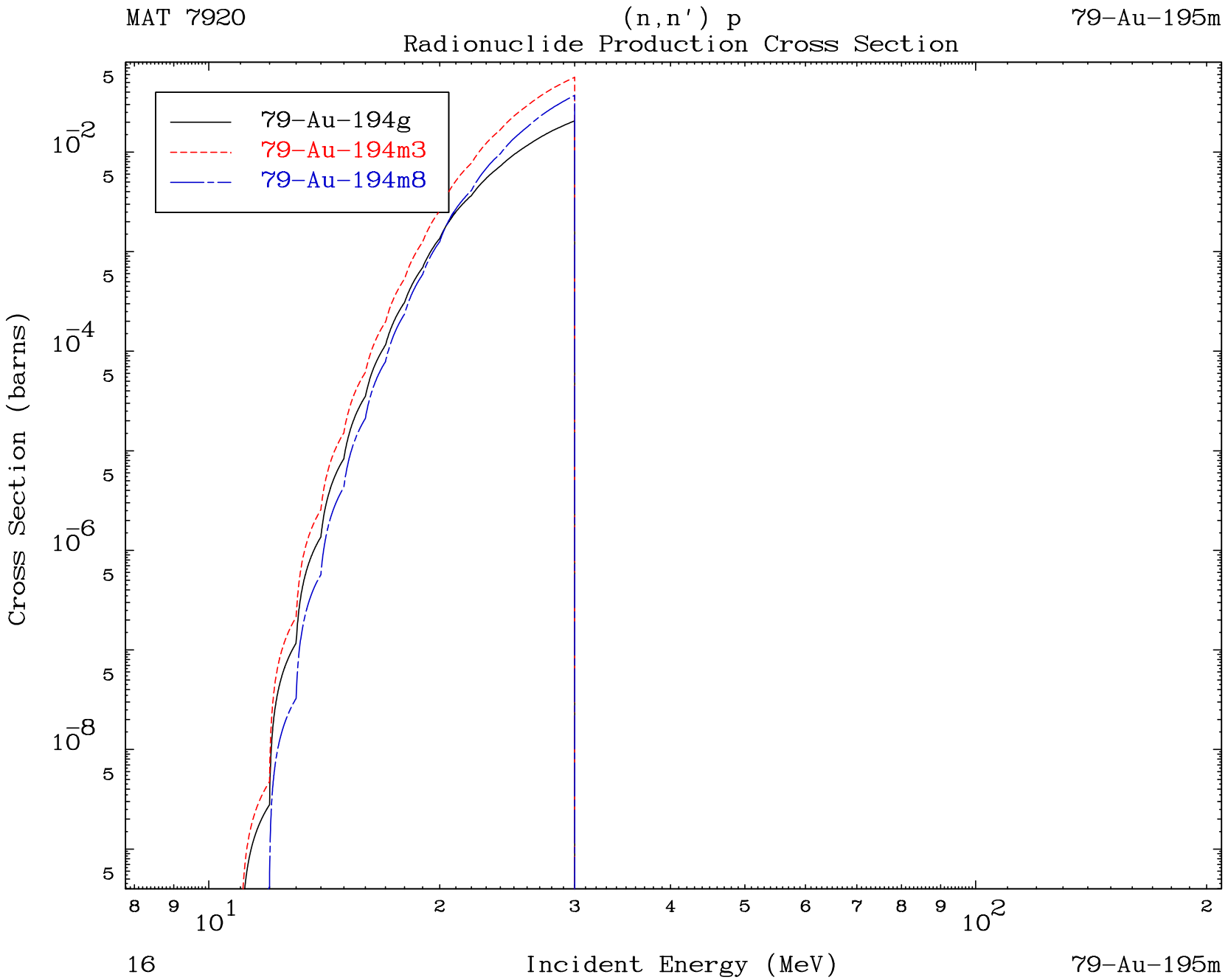

MAT 7920
(p,α) Levels
79-Au-195m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
11
79-Au-195m

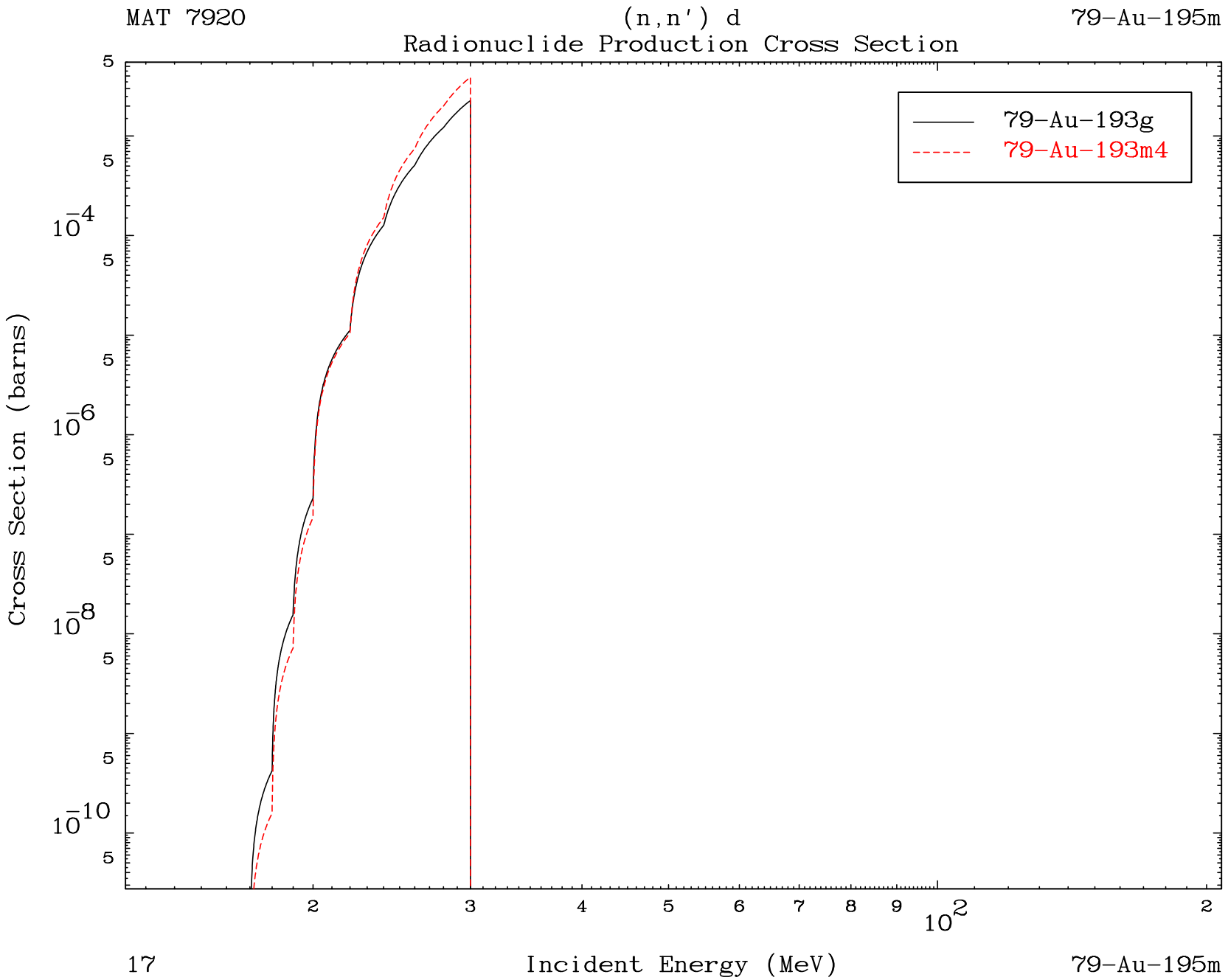

MAT 7920
Inelastic
79-Au-195m
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
Incident Energy (MeV)
12
79-Au-195m

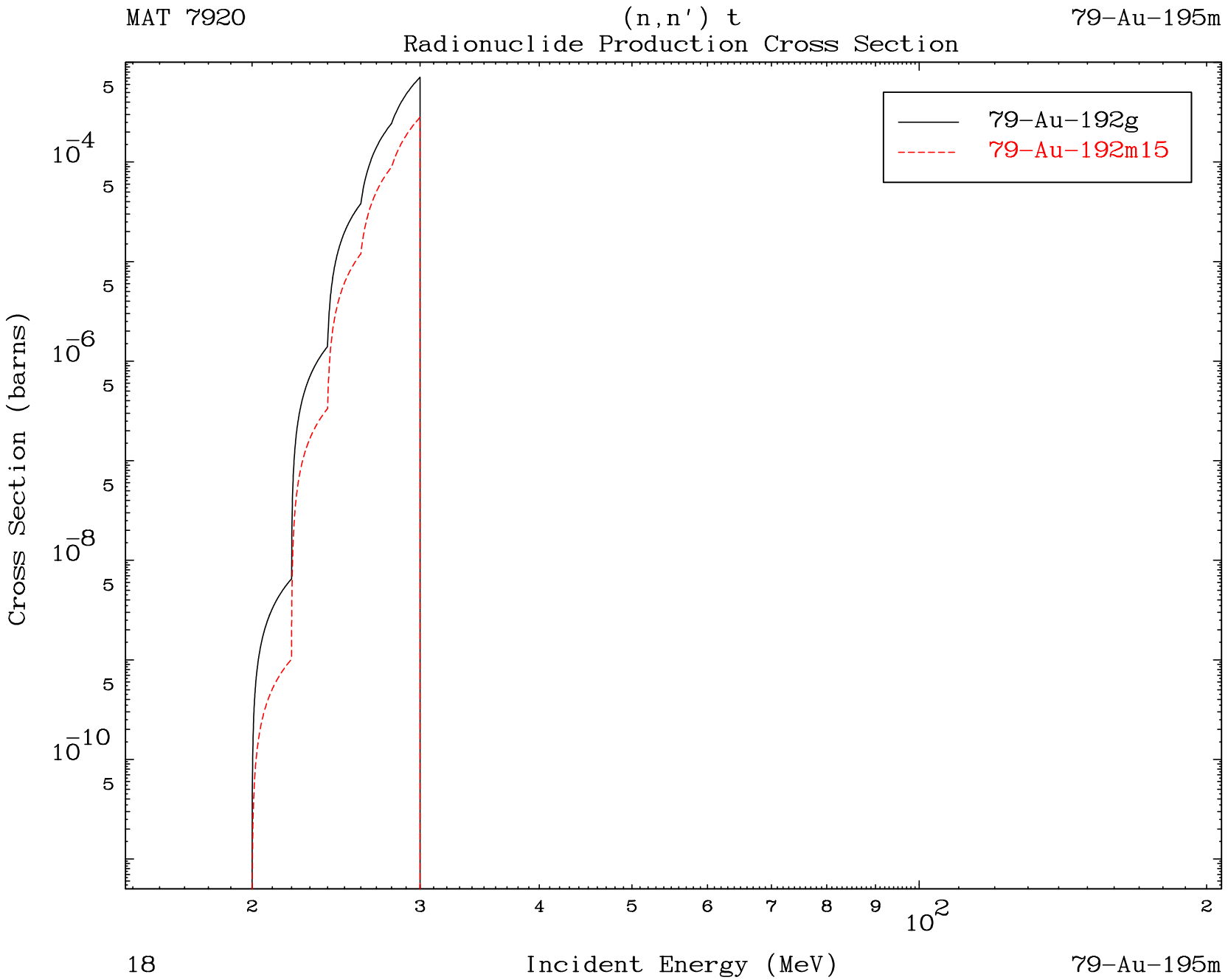

MAT 7920
(n,2n) d
79-Au-195m
Radionuclide Production Cross Section
79-Au-192g
79-Au-192m15
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^-14
5
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
79-Au-195m

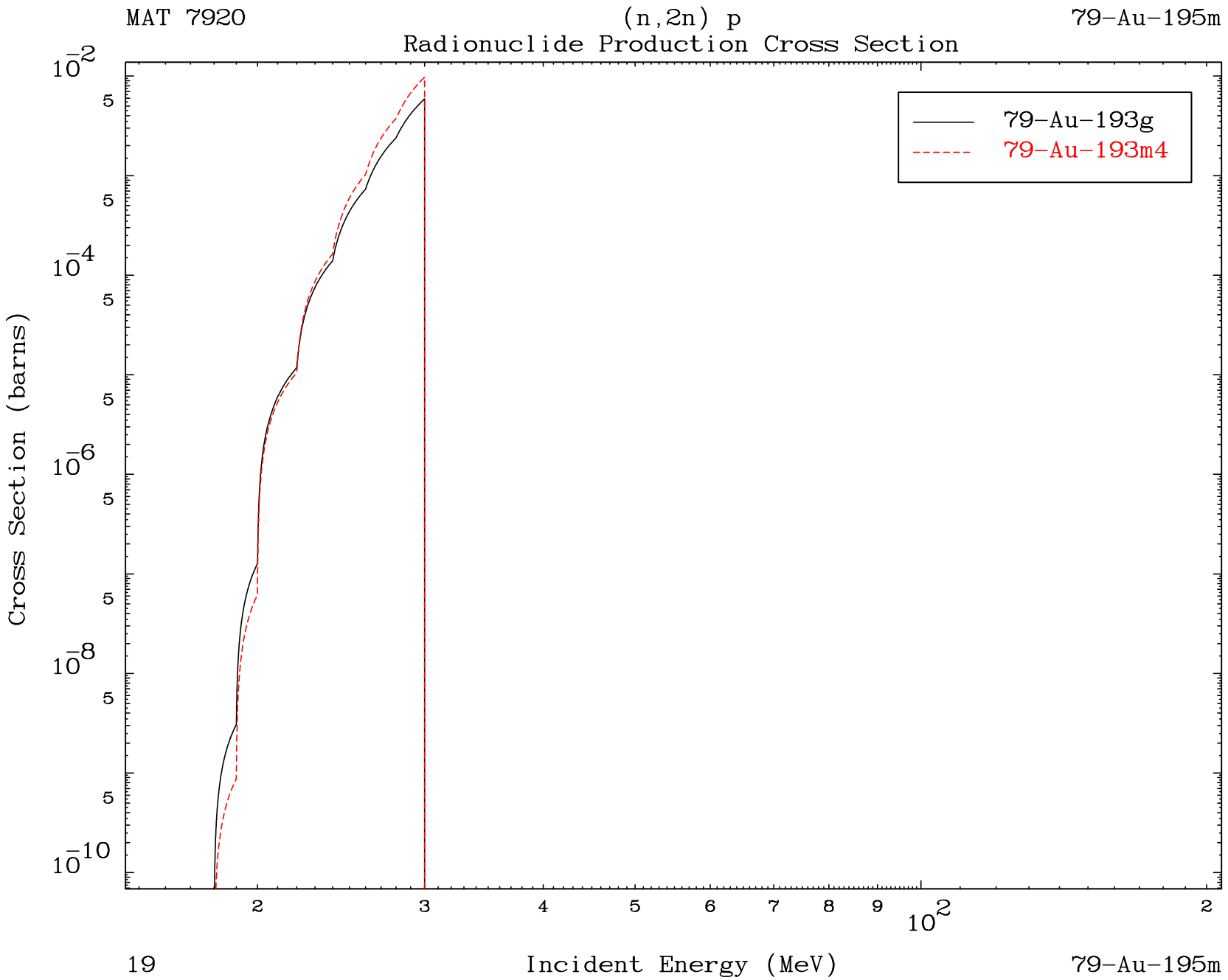

MAT 7920
(n,3n)
79-Au-195m
Radionuclide Production Cross Section
80-Hg-193g
80-Hg-193m3
Cross Section (barns)
Incident Energy (MeV)
14
79-Au-195m

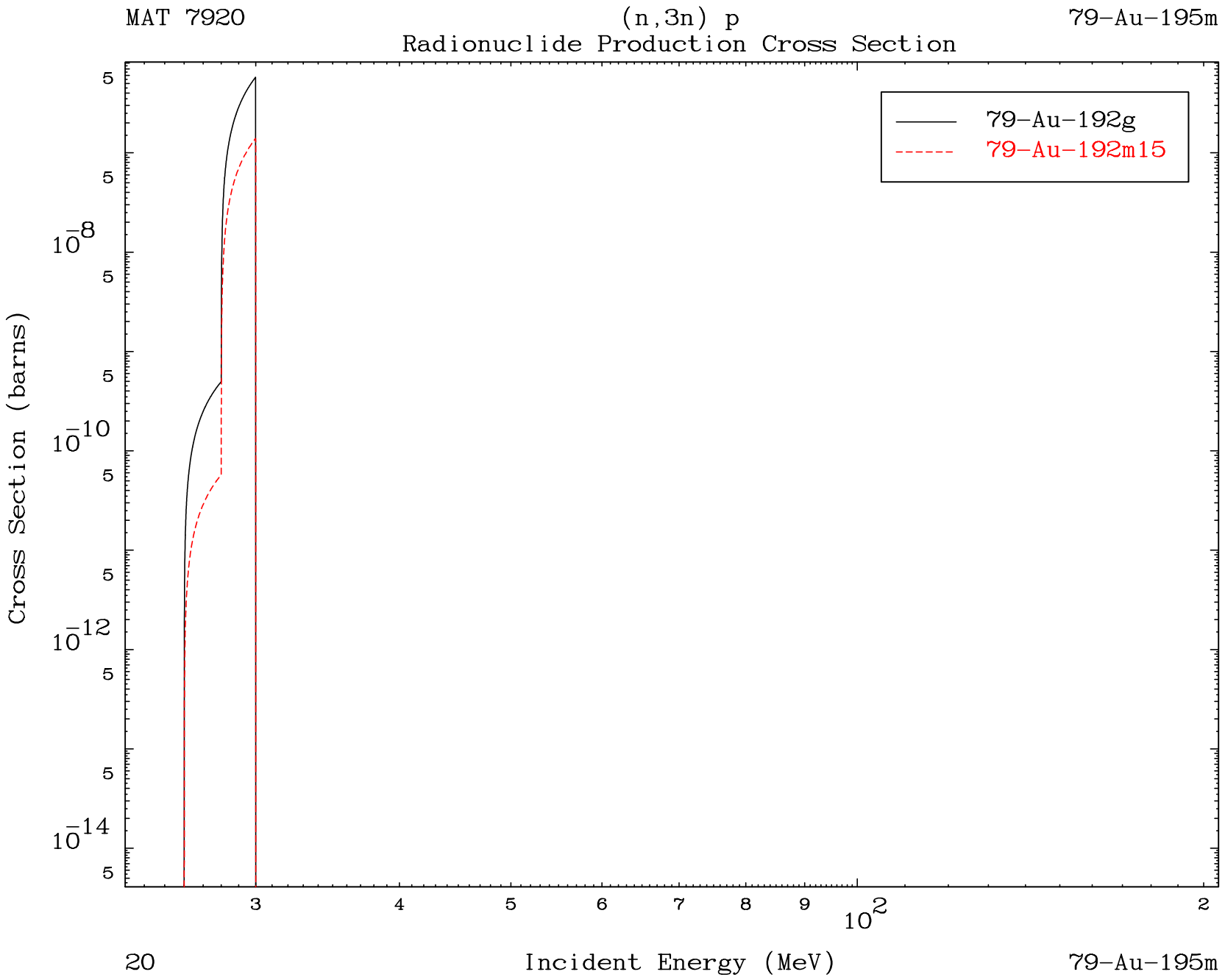

MAT 7920
Fission
79-Au-195m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)
15
79-Au-195m

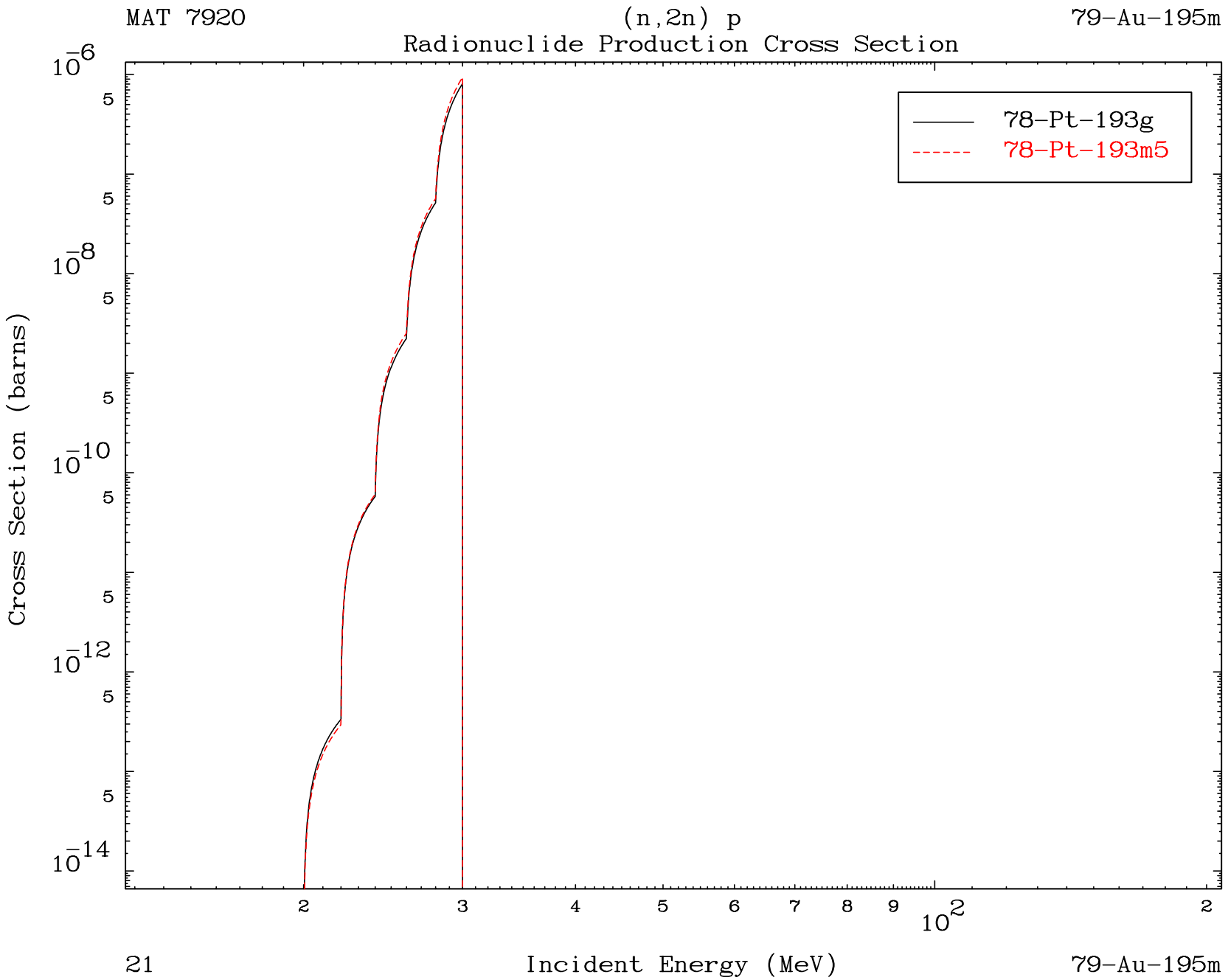

MAT 7920
(n,n') p
79-Au-195m
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
Incident Energy (MeV)
16
79-Au-195m

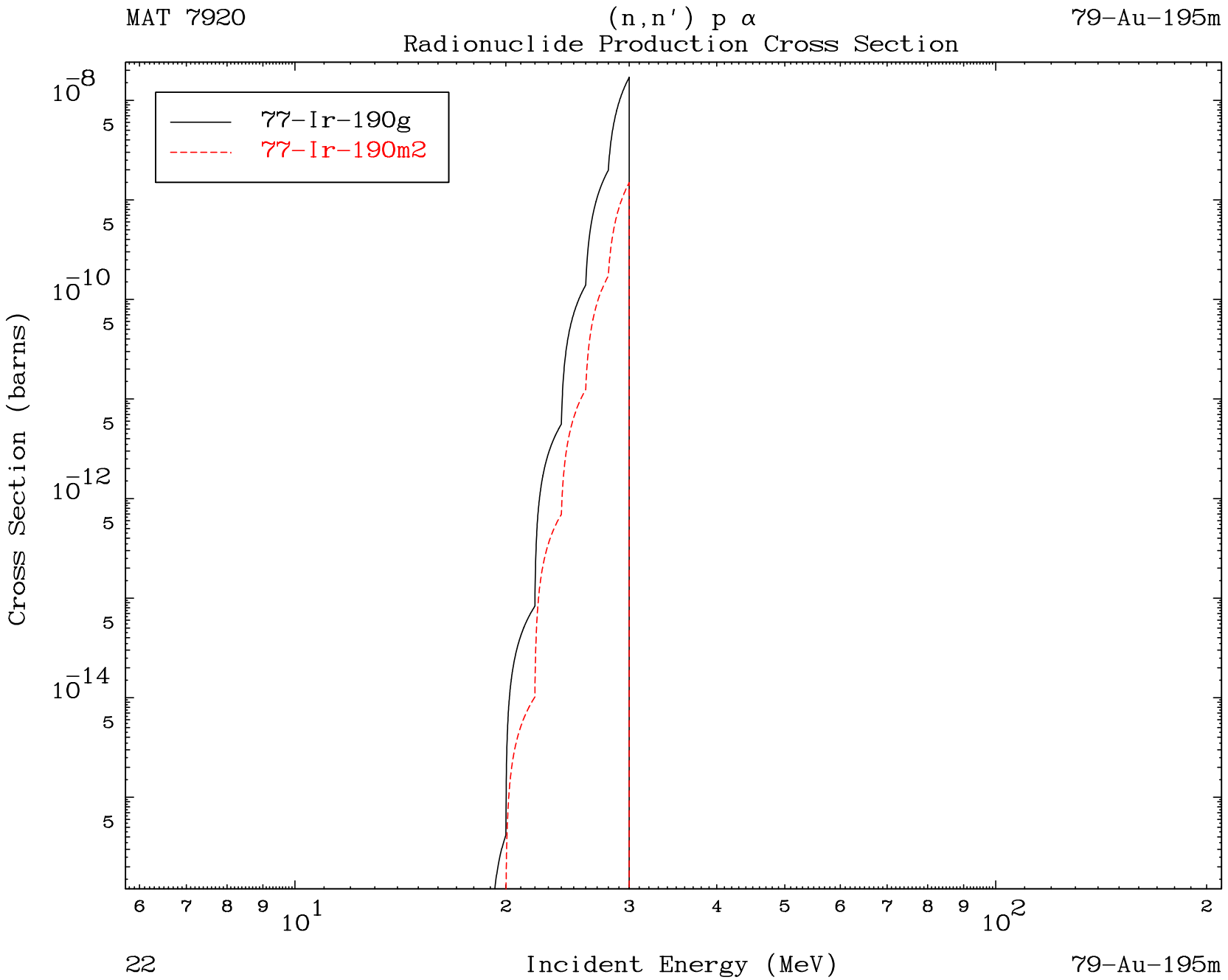

MAT 7920
(n,n') d
79-Au-195m
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
79-Au-195m

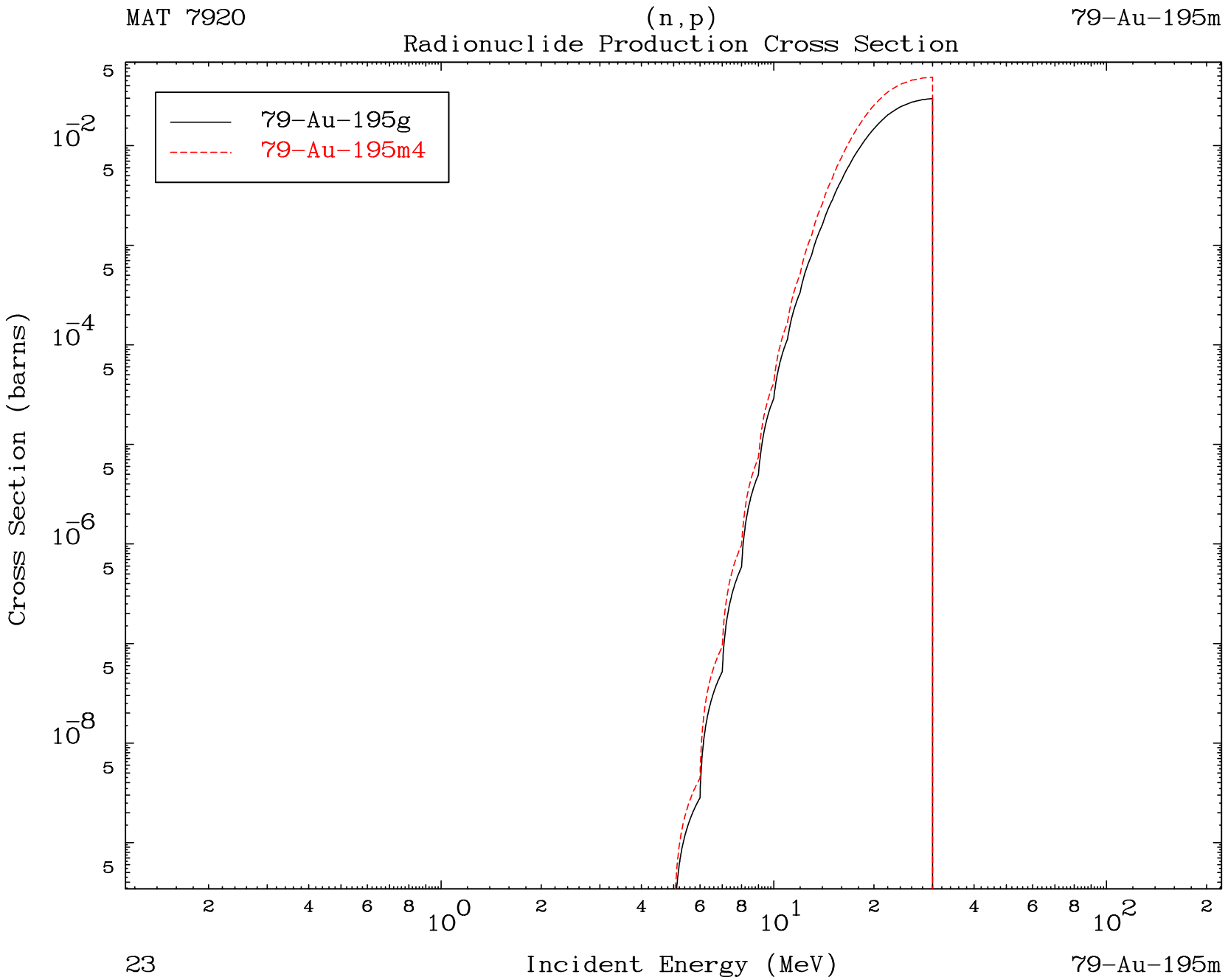

MAT 7920
(n,n') t
79-Au-195m
Radionuclide Production Cross Section
79-Au-192g
79-Au-192m15
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
79-Au-195m

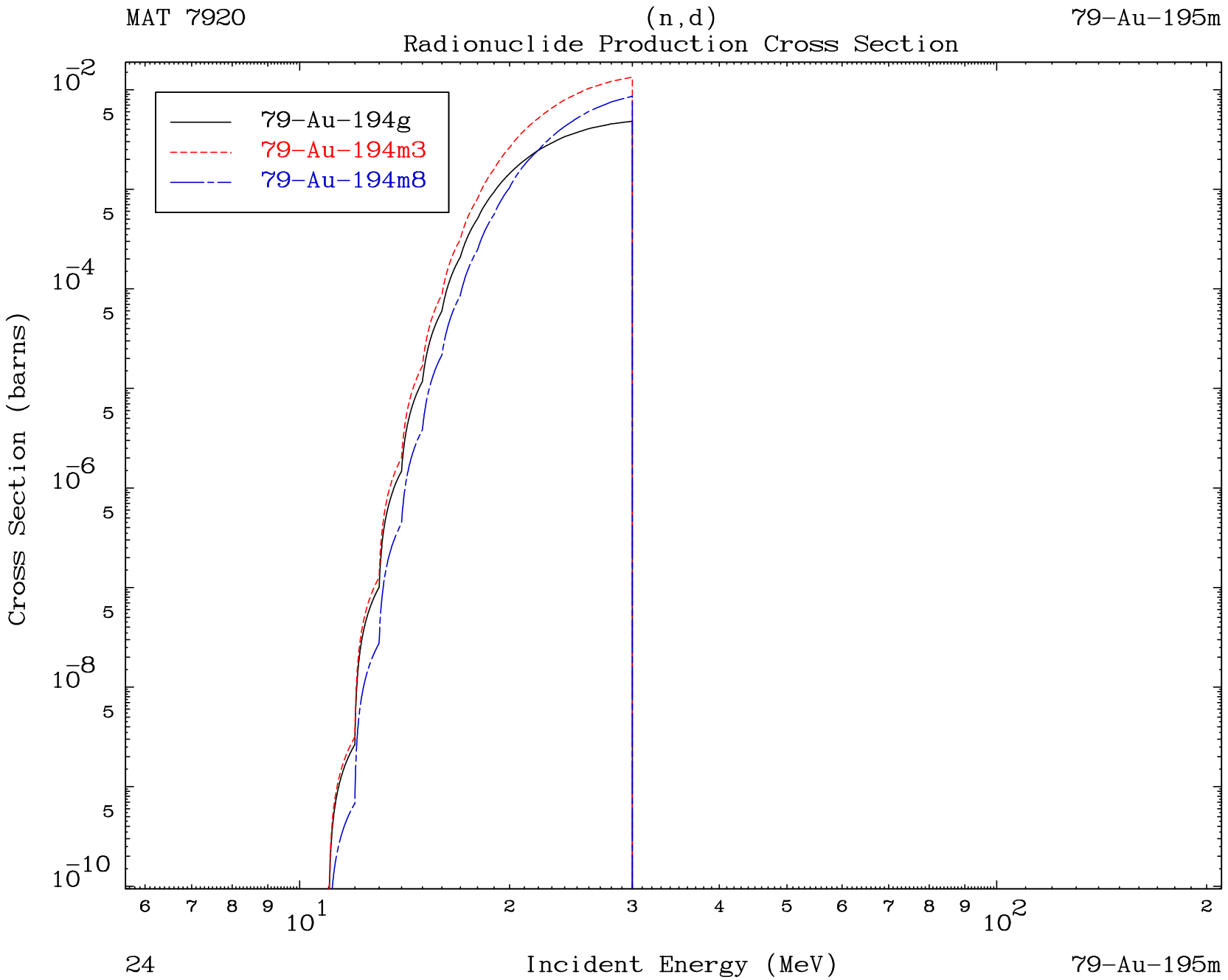

MAT 7920
(n,2n) p
79-Au-195m
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
19
79-Au-195m

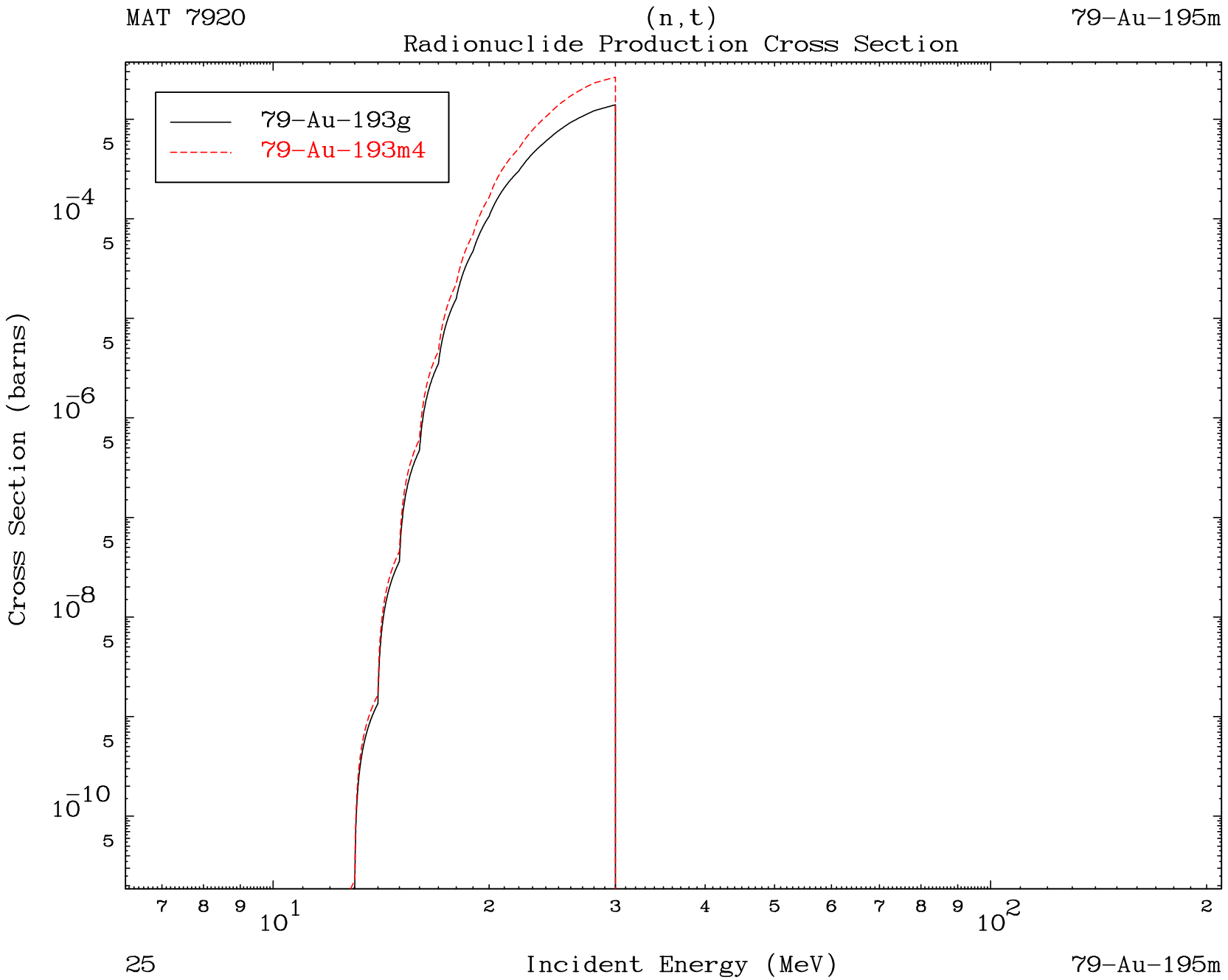

MAT 7920
(n,3n) p
79-Au-195m
Radionuclide Production Cross Section
79-Au-192g
79-Au-192m15
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10^2
2
20
Incident Energy (MeV)
79-Au-195m

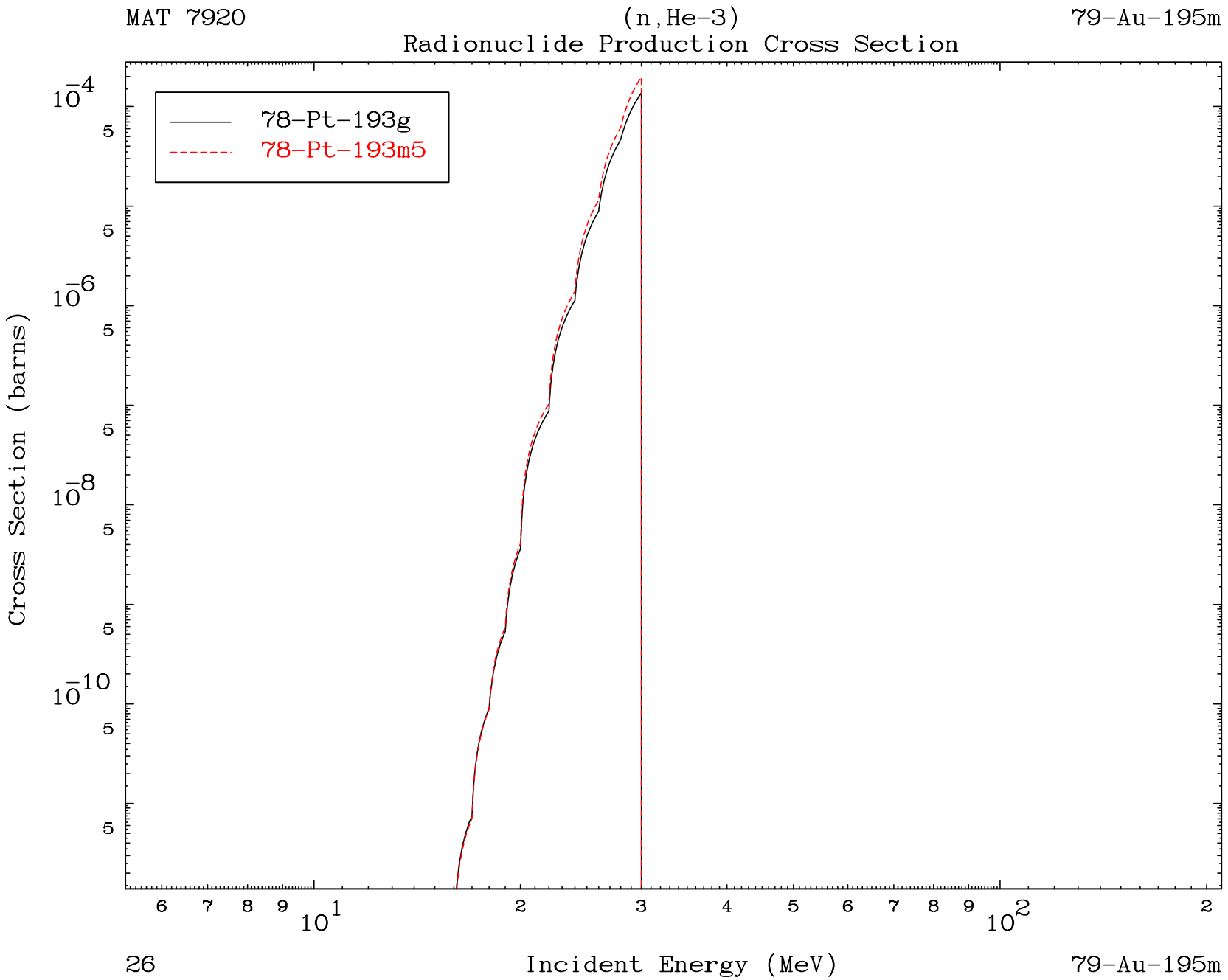

MAT 7920
(n,2n) p
79-Au-195m
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
Incident Energy (MeV)
21
79-Au-195m

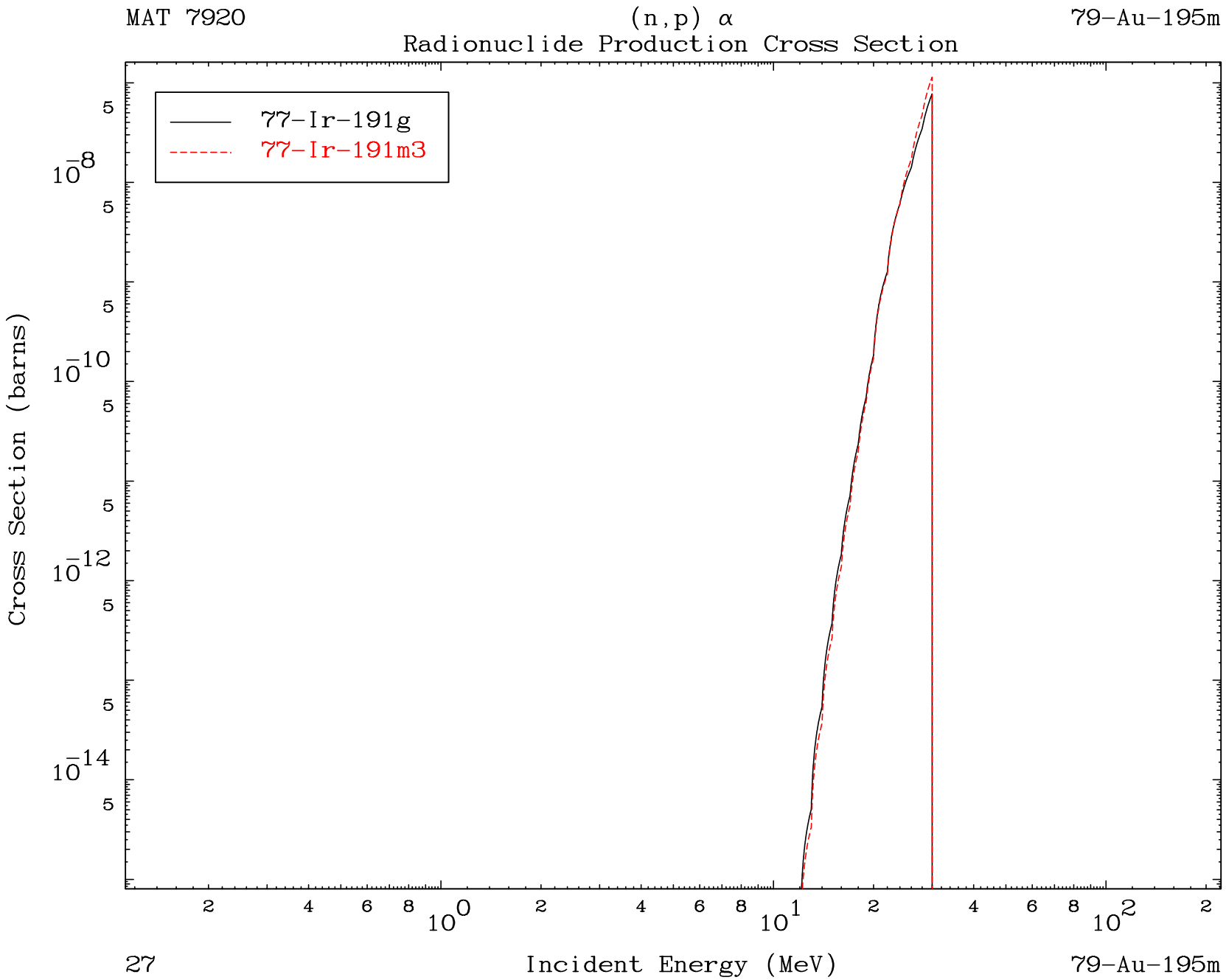

MAT 7920
(n,n') p α
79-Au-195m
Radionuclide Production Cross Section
77-Ir-190g
77-Ir-190m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
22
Incident Energy (MeV)
79-Au-195m

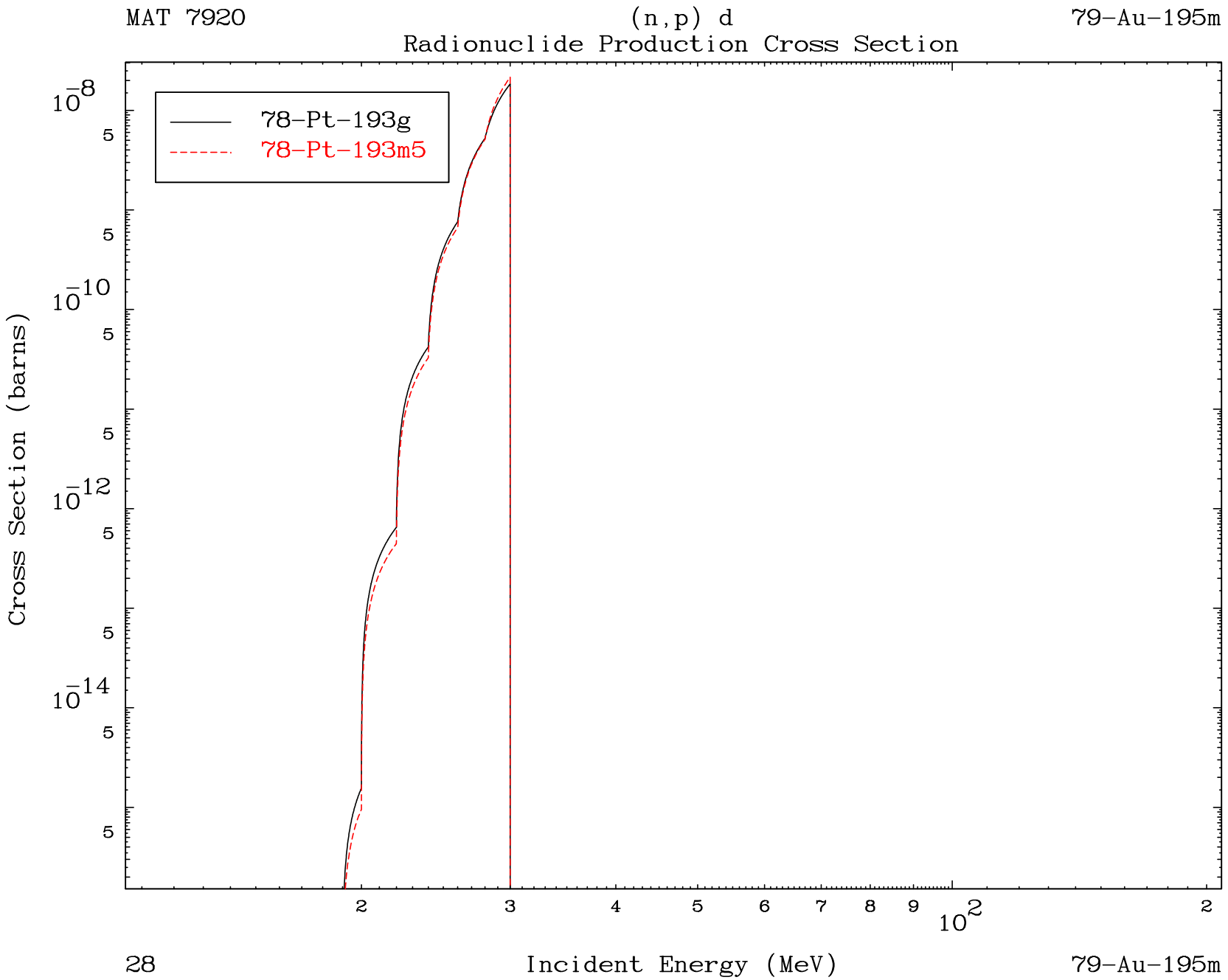

MAT 7920
(n,p)
79-Au-195m
Radionuclide Production Cross Section
79-Au-195g
79-Au-195m4
Cross Section (barns)
Incident Energy (MeV)
23
79-Au-195m


MAT 7920
(n,d)
79-Au-195m
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
Incident Energy (MeV)
24
79-Au-195m


MAT 7920
(n,t)
79-Au-195m
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
25
79-Au-195m


MAT 7920
(n,He-3)
79-Au-195m
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
Incident Energy (MeV)
26
79-Au-195m


MAT 7920
(n,p) α
79-Au-195m
Radionuclide Production Cross Section
77-Ir-191g
77-Ir-191m3
Cross Section (barns)
10-8
10-10
10-12
10-14
100
101
102
Incident Energy (MeV)
27
79-Au-195m


MAT 7920
(n,p) d
79-Au-195m
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
28
Incident Energy (MeV)
79-Au-195m