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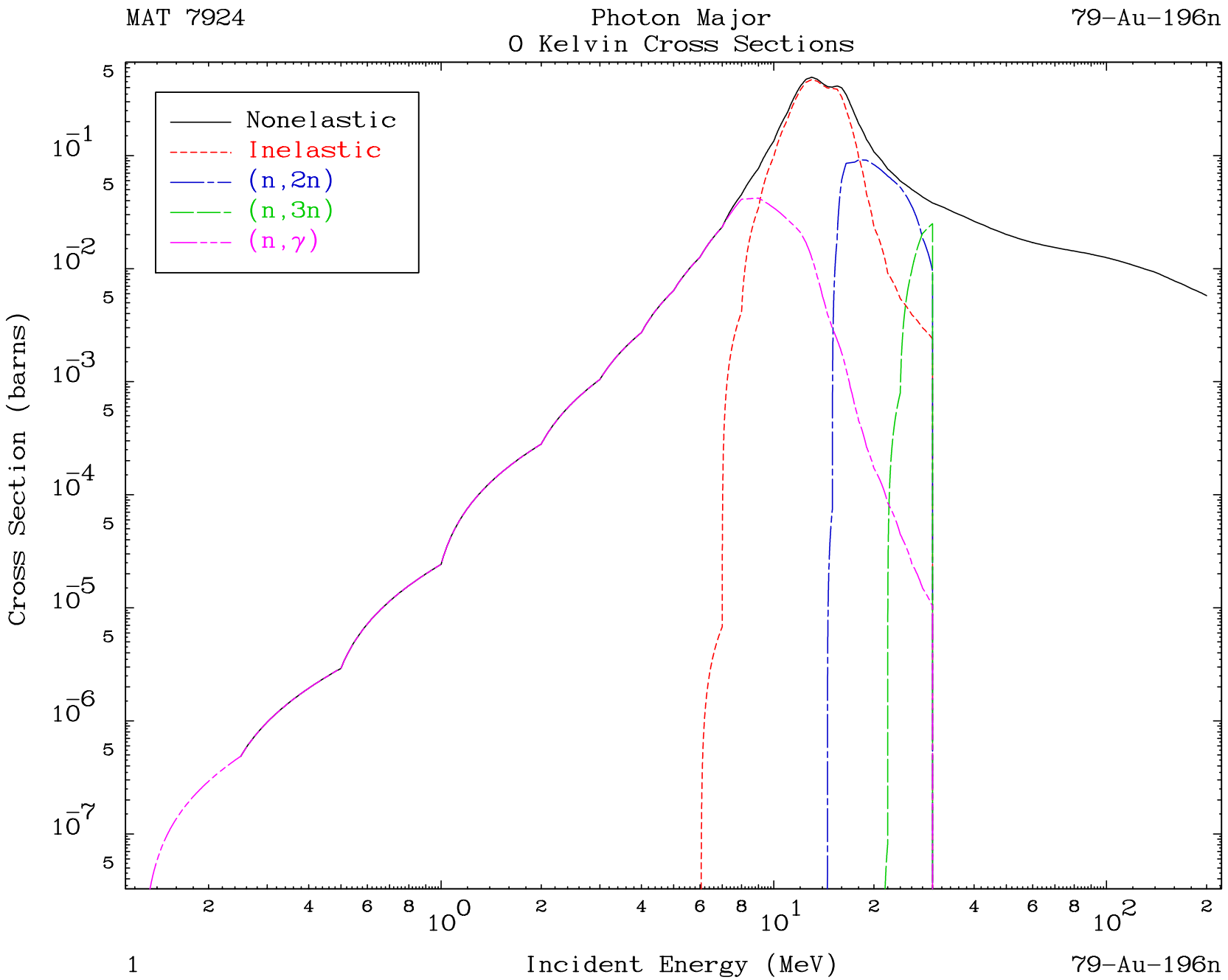
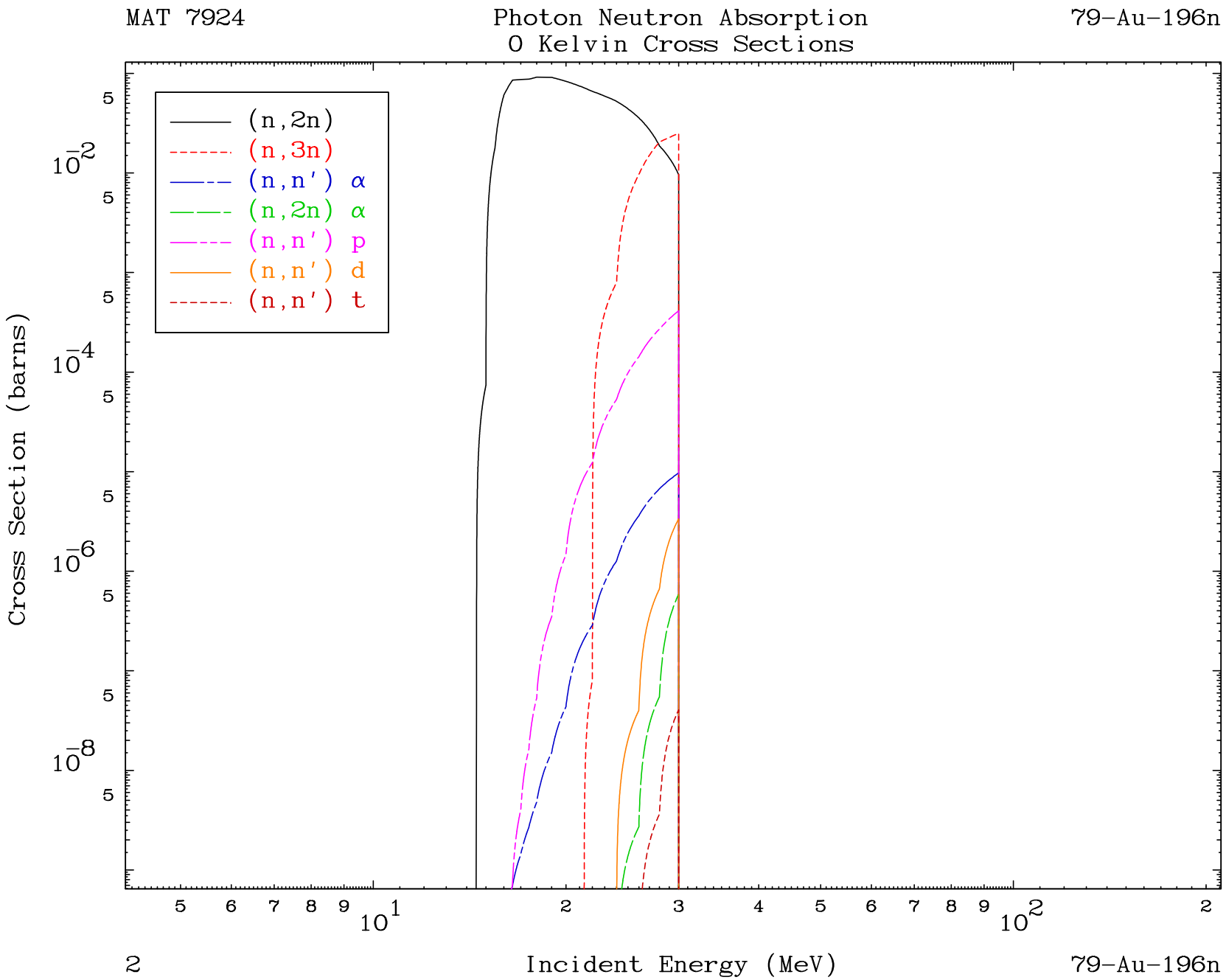
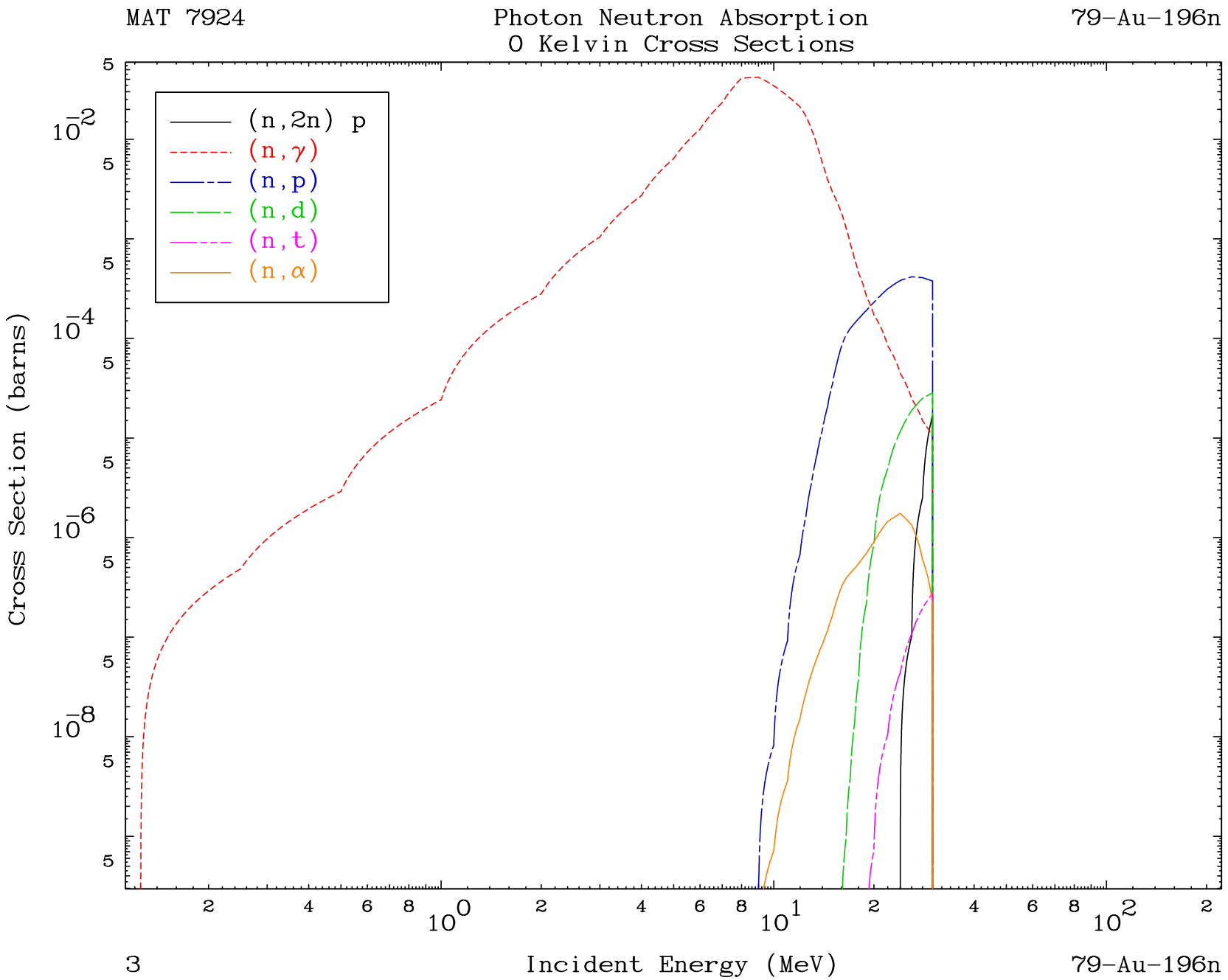
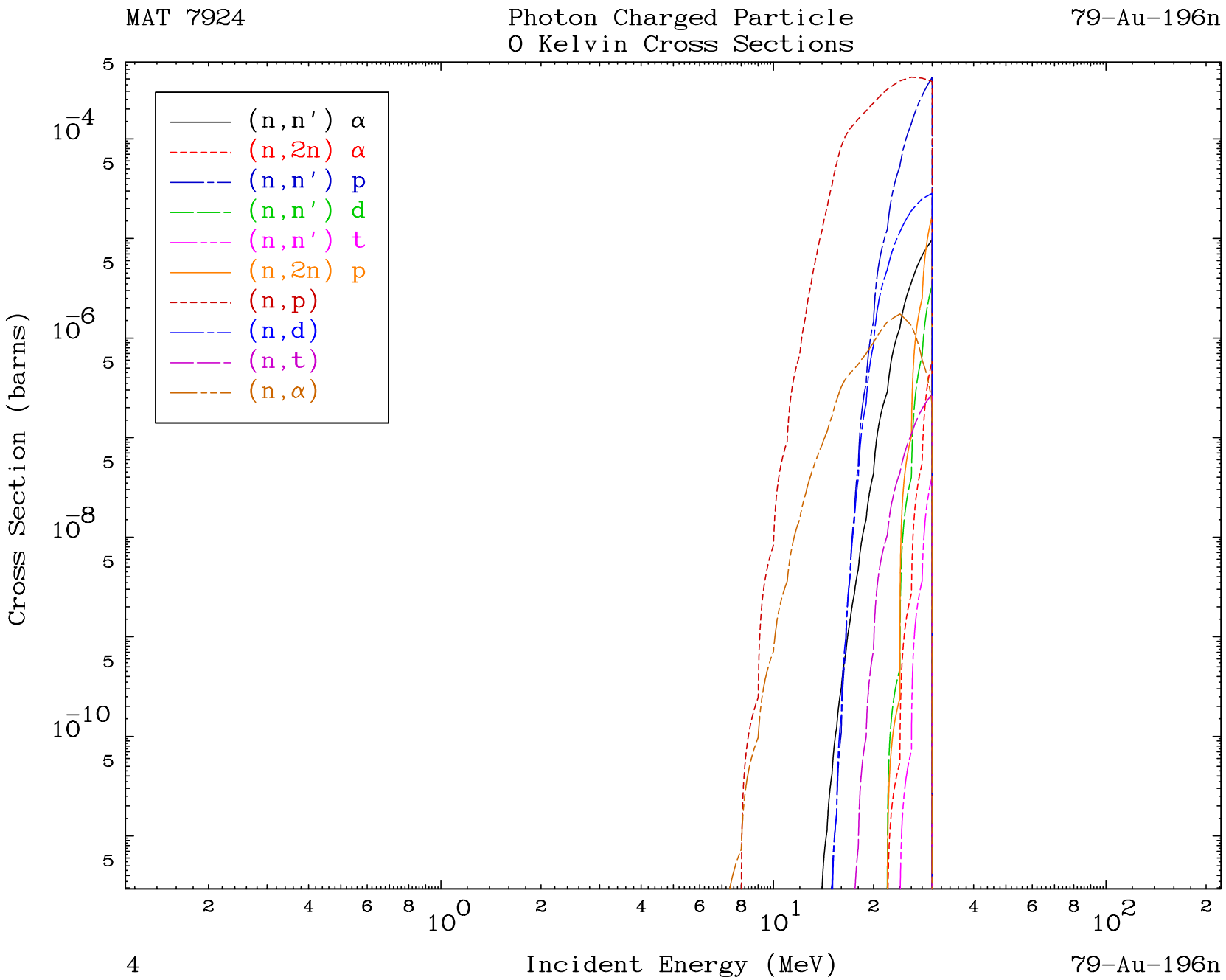
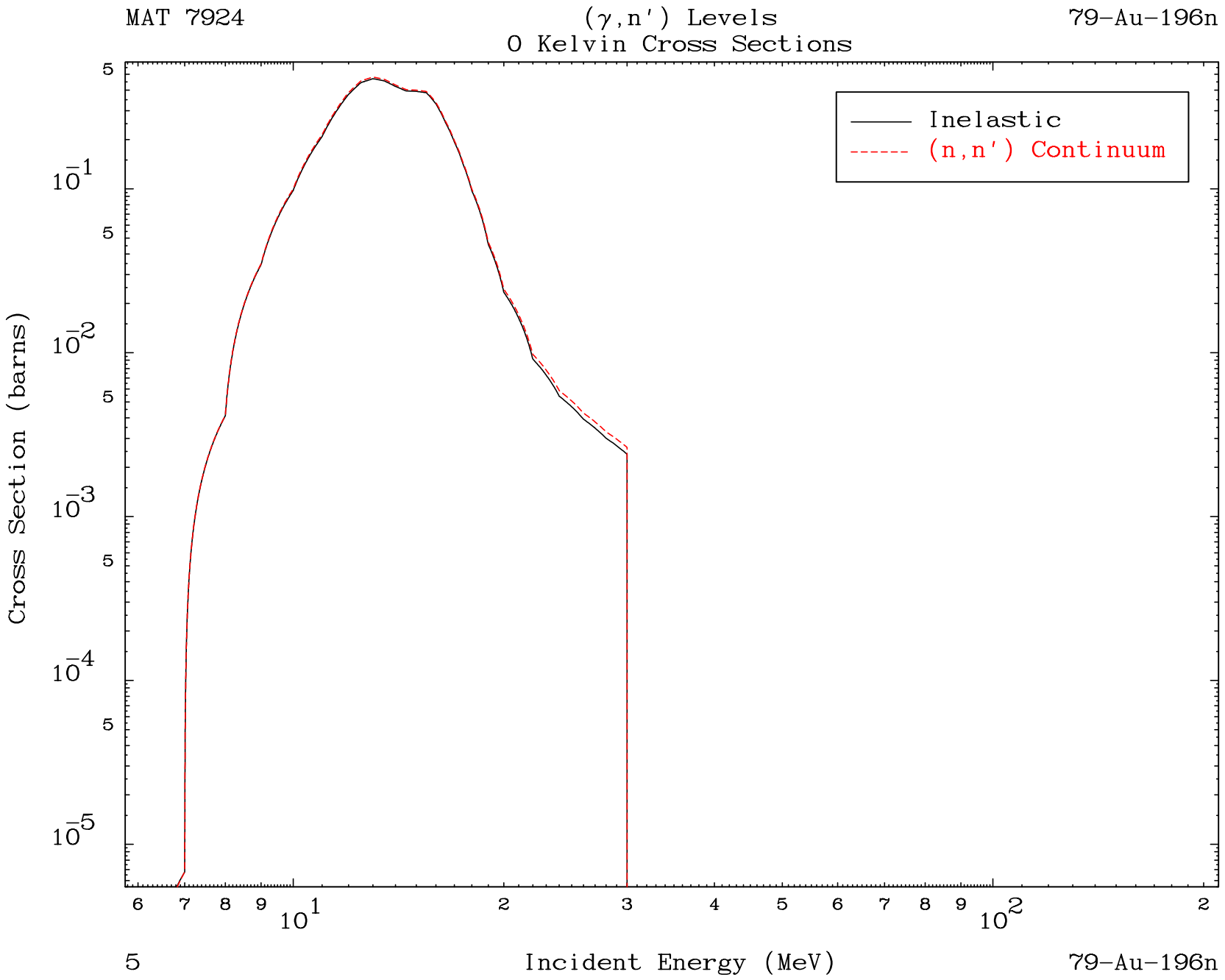
Press Mouse Button to Start

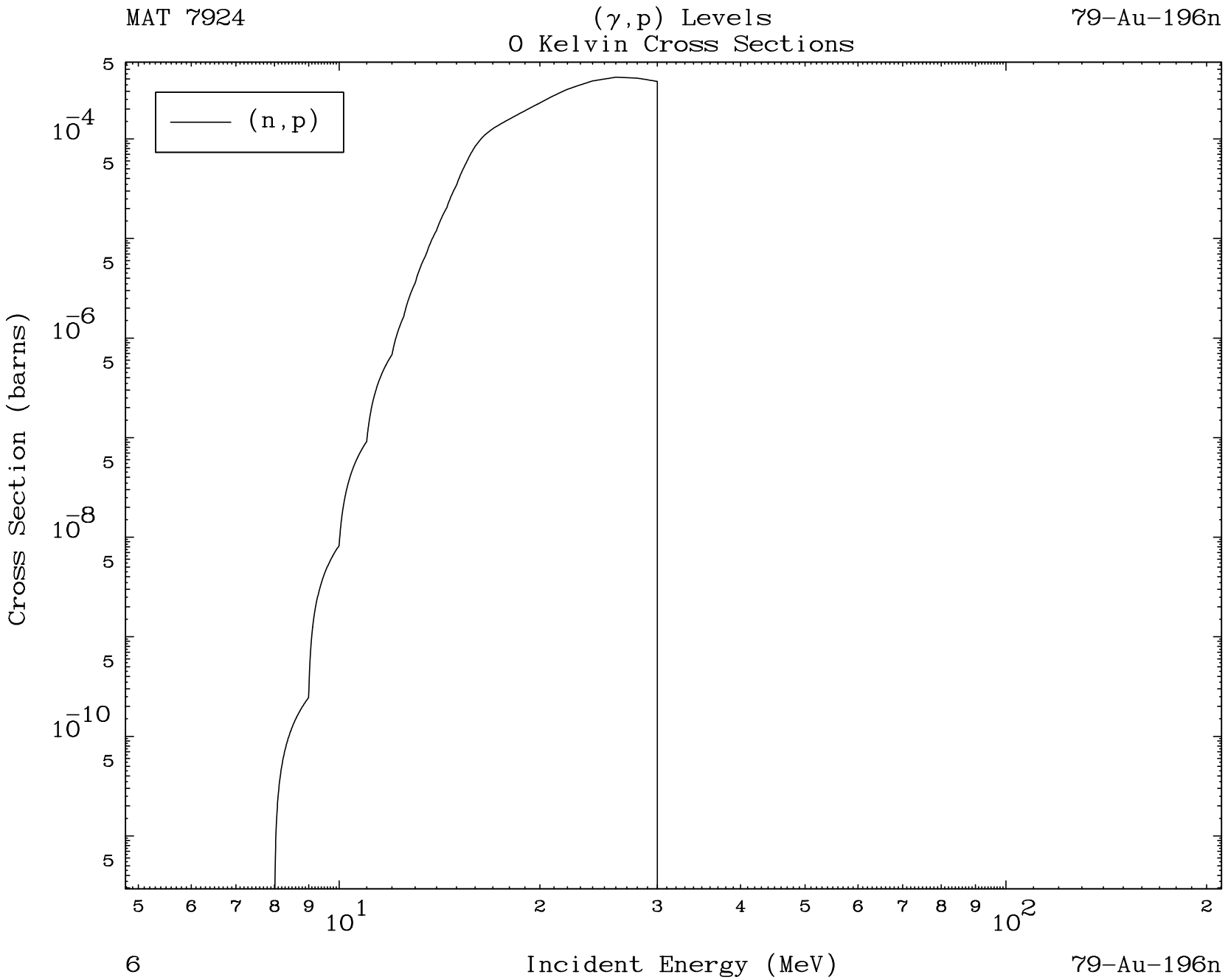

MAT 7924
Photon Major
79-Au-196n
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
79-Au-196n
1

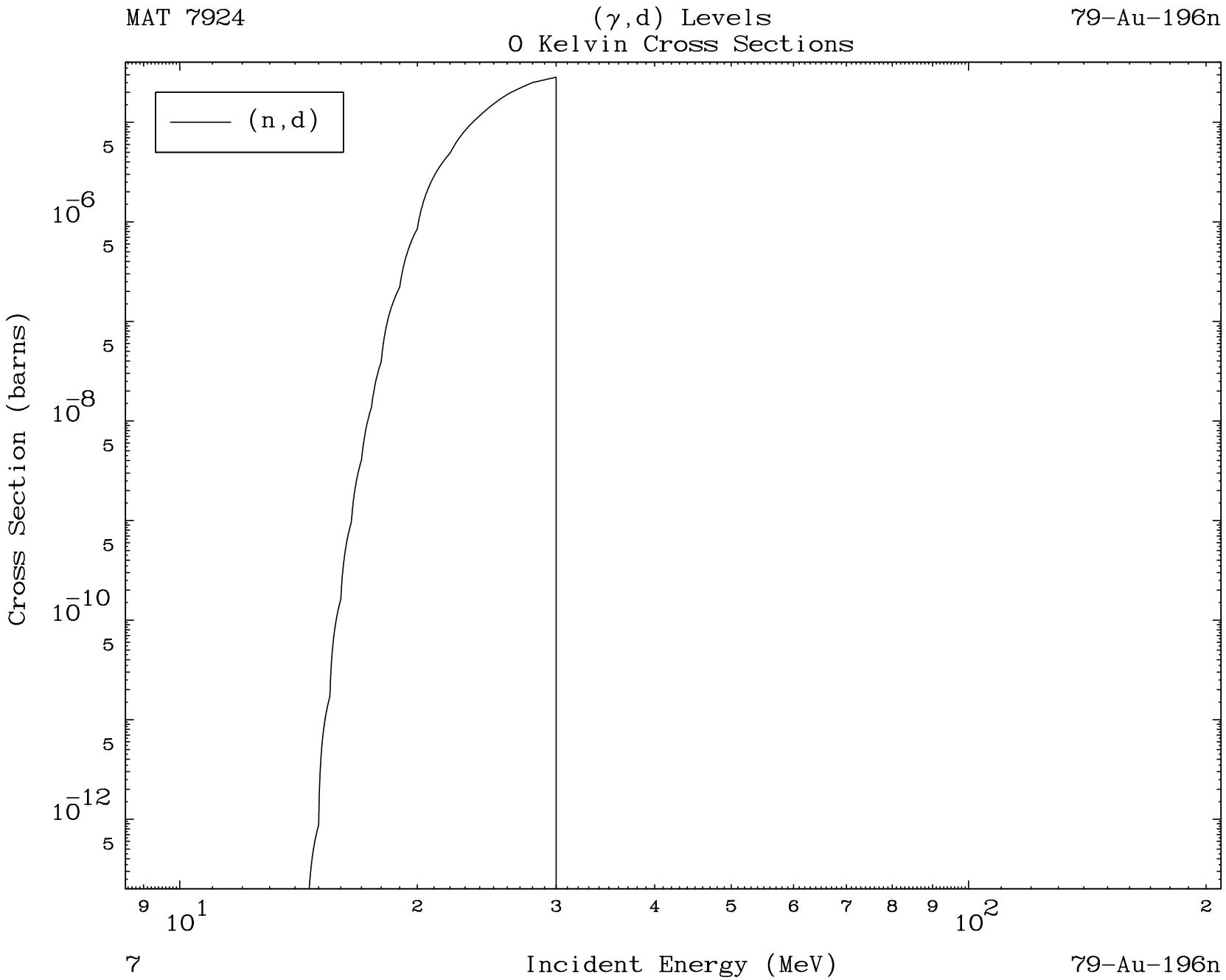

MAT 7924
Photon Neutron Absorption
0 Kelvin Cross Sections
79-Au-196n
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
79-Au-196n
2

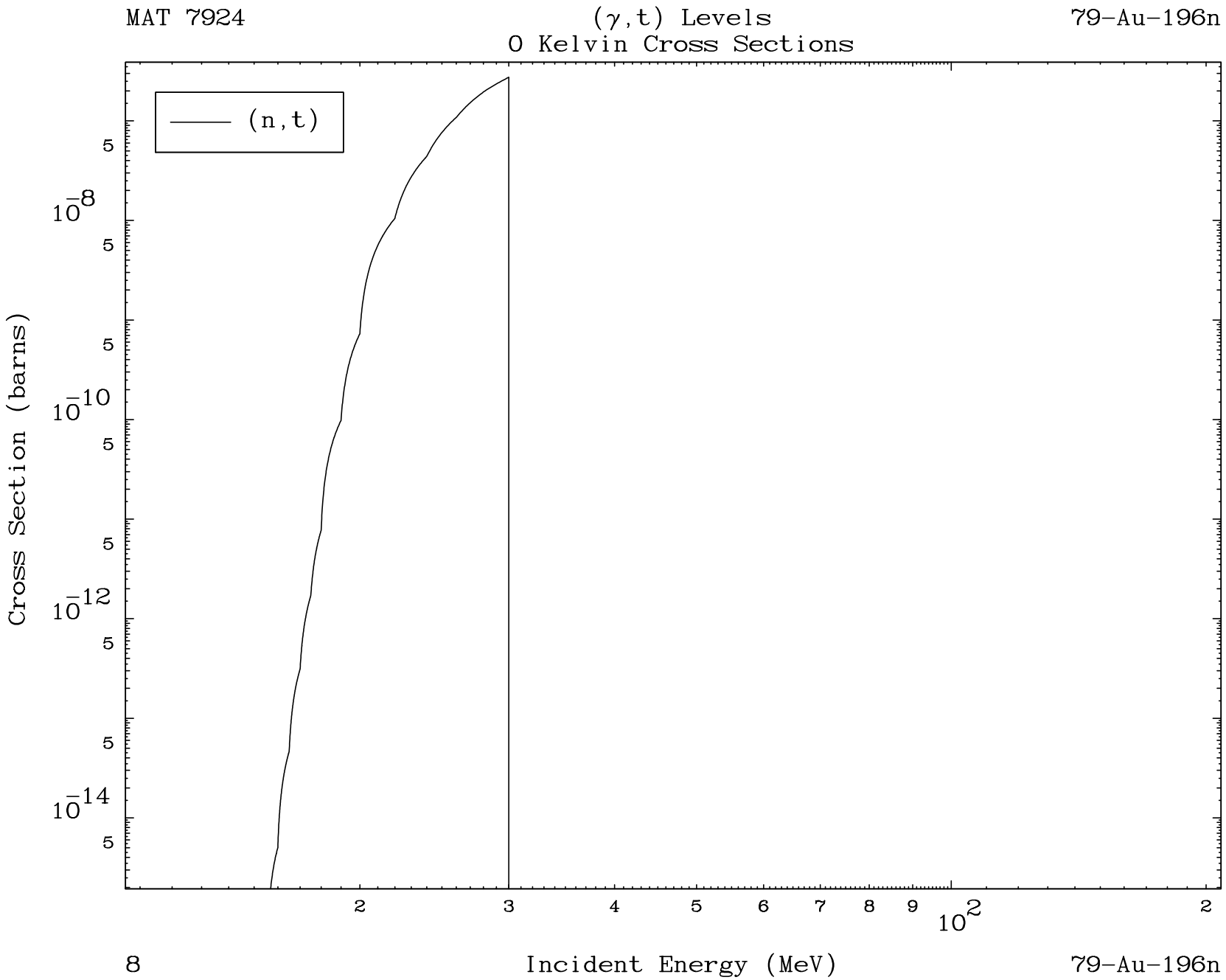

MAT 7924
Photon Neutron Absorption
0 Kelvin Cross Sections
79-Au-196n
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
79-Au-196n

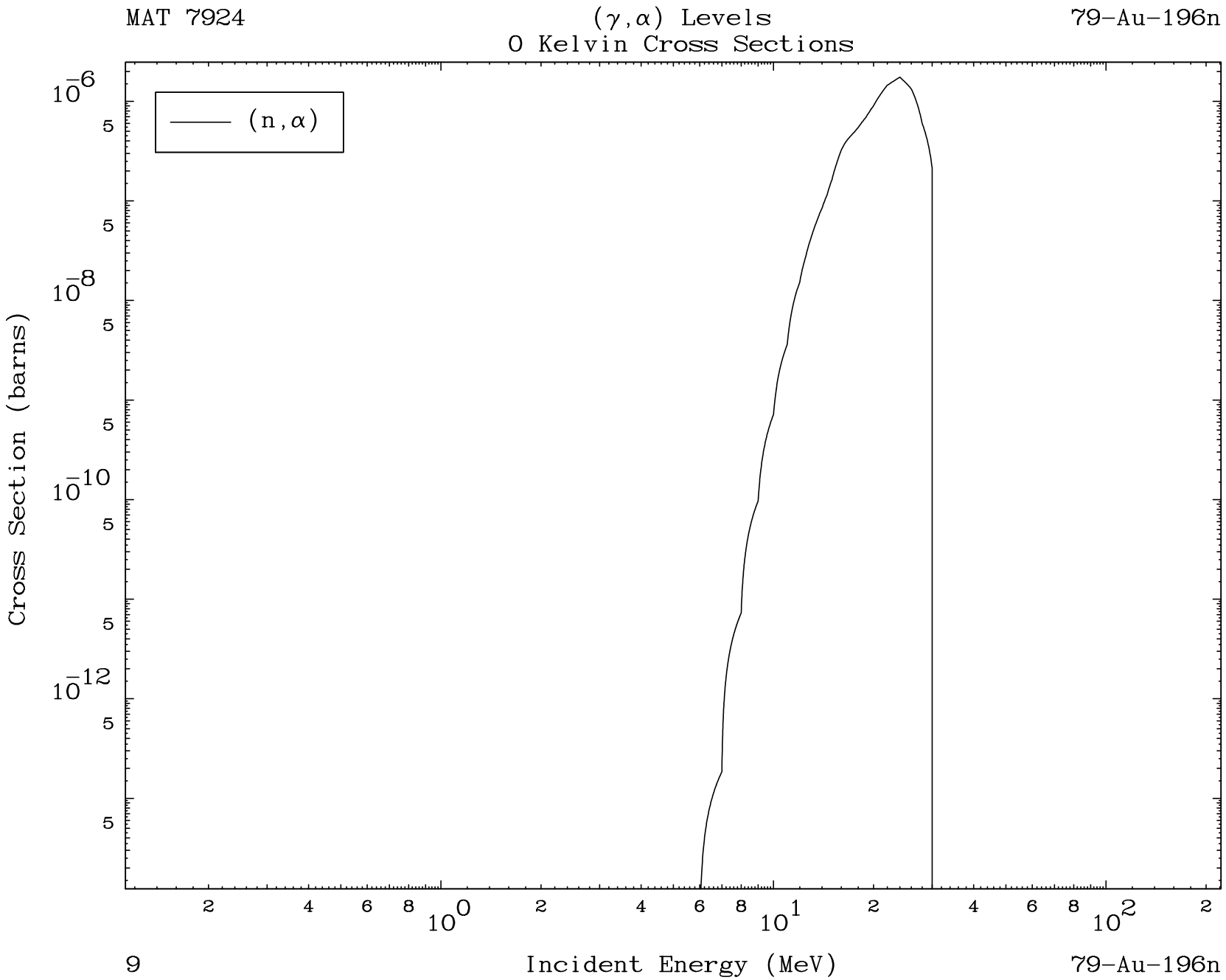

MAT 7924
Photon Charged Particle
0 Kelvin Cross Sections
79-Au-196n
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
79-Au-196n
4

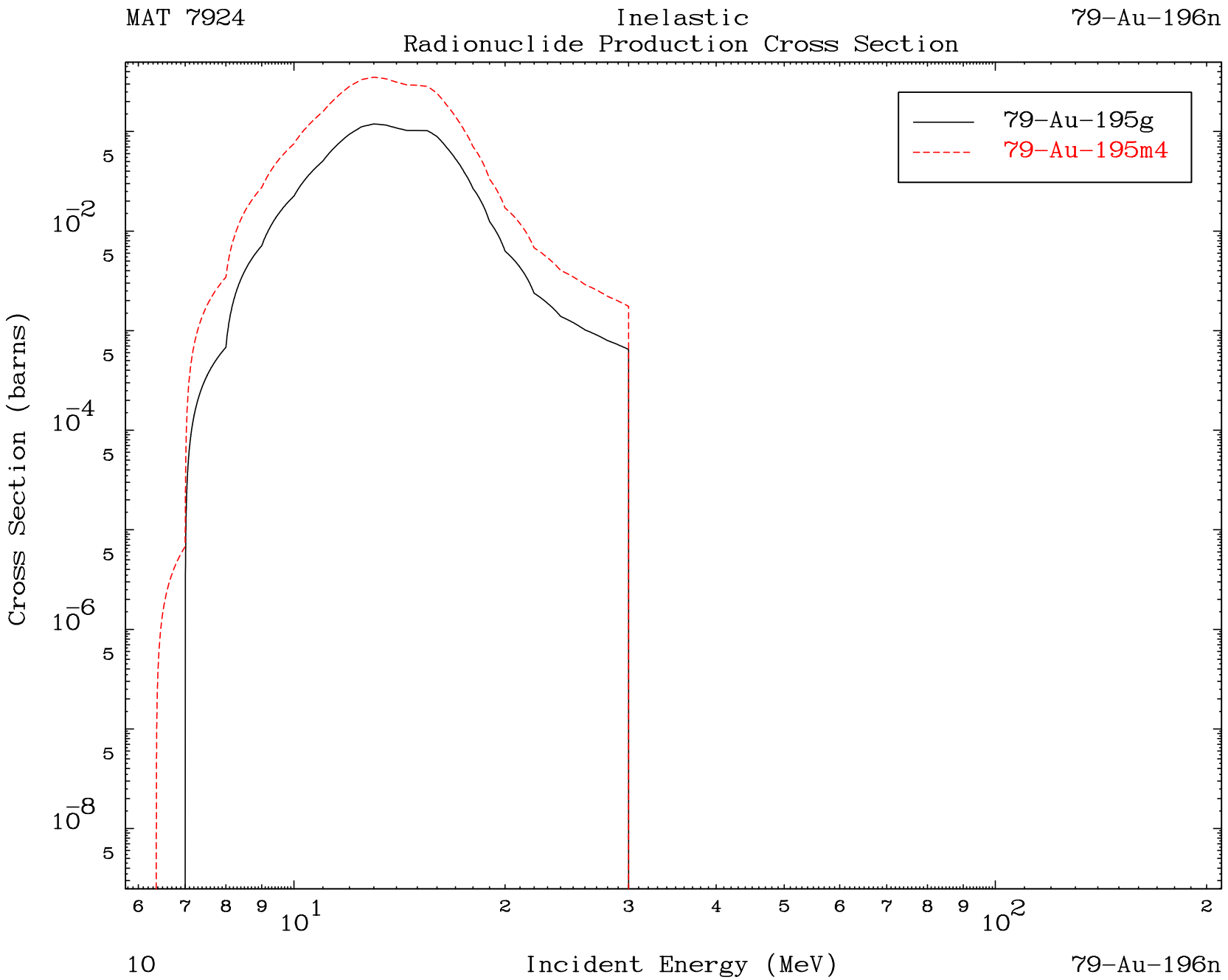

MAT 7924
(γ,n') Levels
79-Au-196n
0 Kelvin Cross Sections
Inelastic
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
79-Au-196n

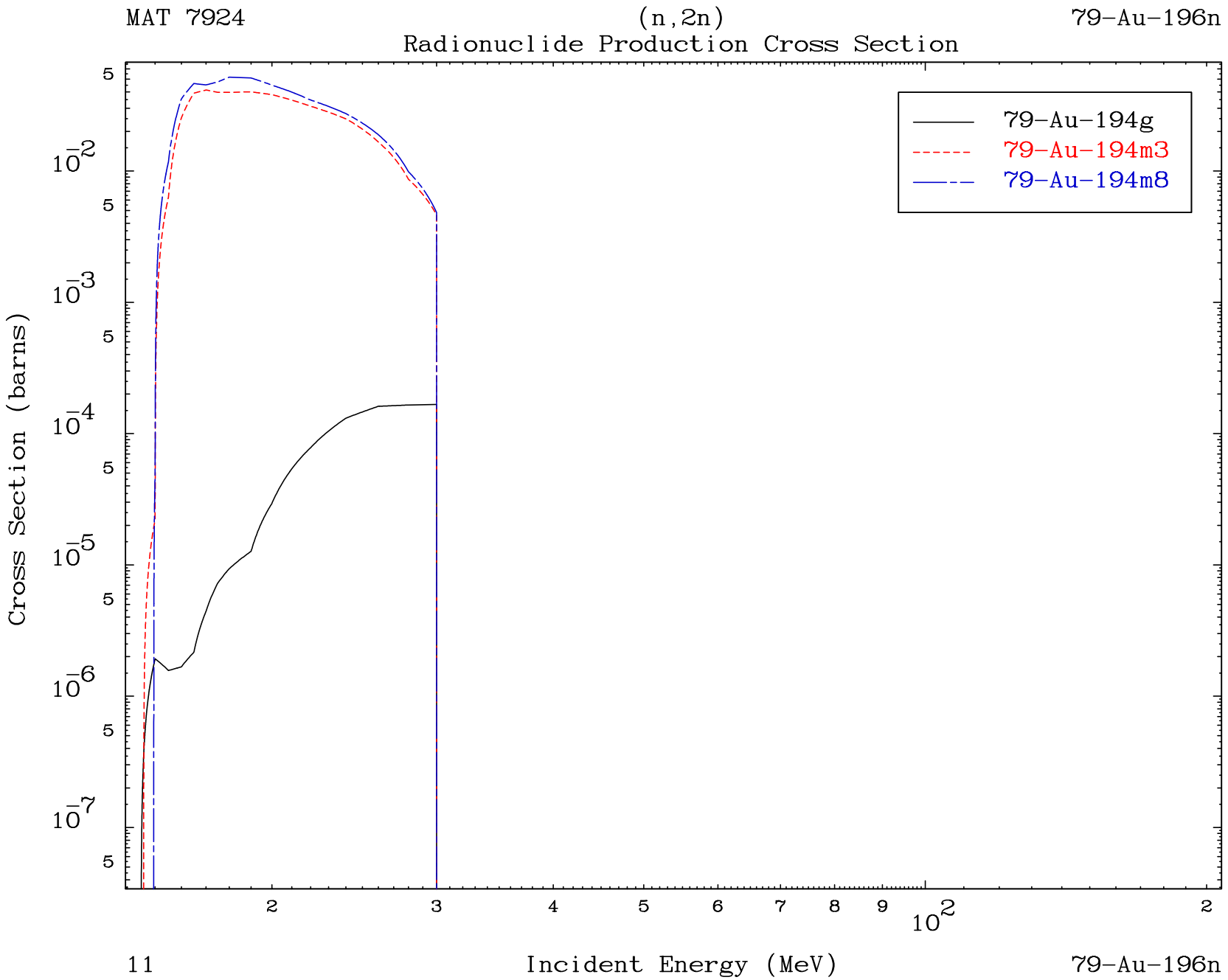

MAT 7924
(γ,p) Levels
79-Au-196n
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
5
5
5
5
5
5
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
79-Au-196n

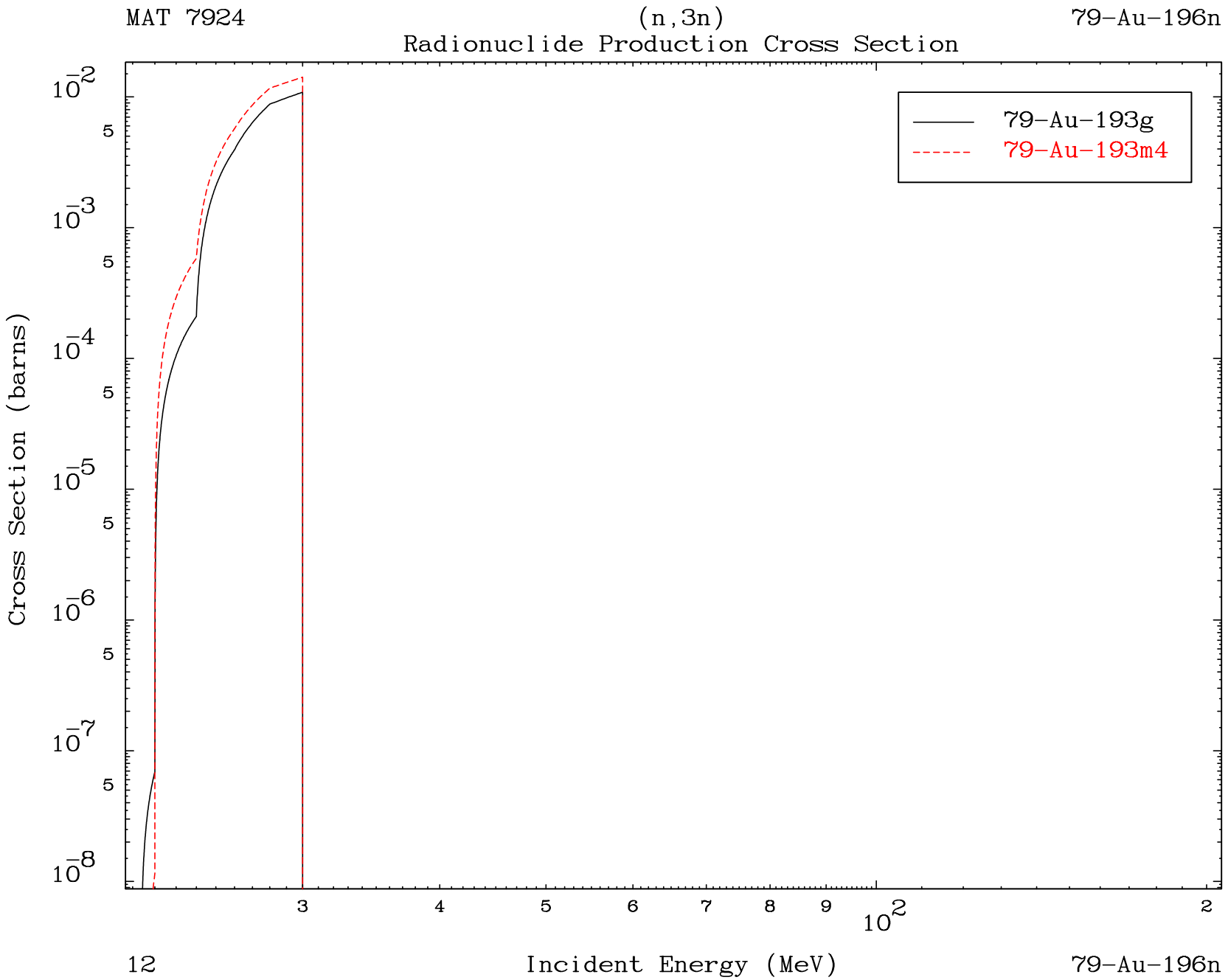

MAT 7924
(γ,d) Levels
79-Au-196n
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
Incident Energy (MeV)
10^1
10^2
7
79-Au-196n

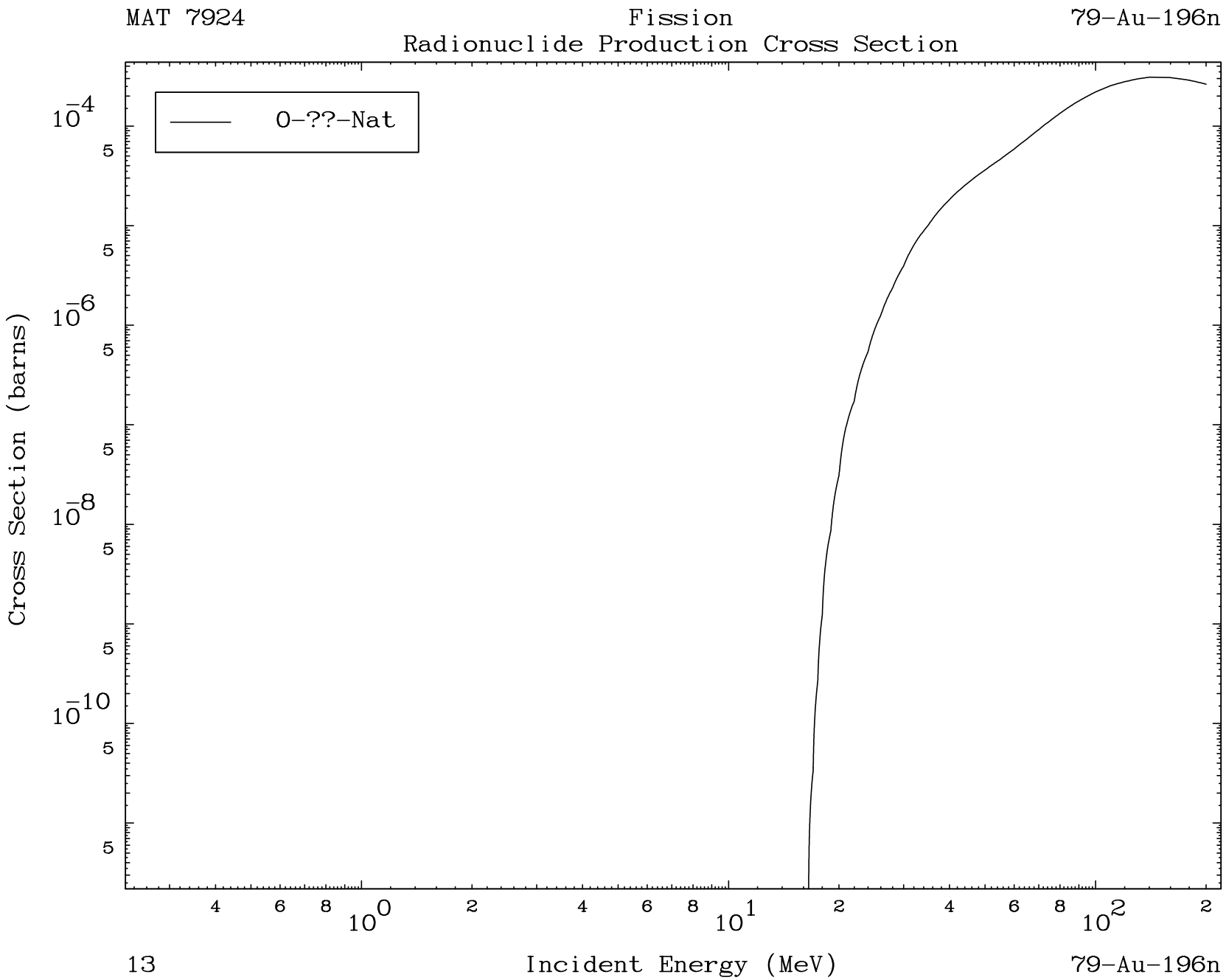

MAT 7924
(γ,t) Levels
79-Au-196n
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
79-Au-196n

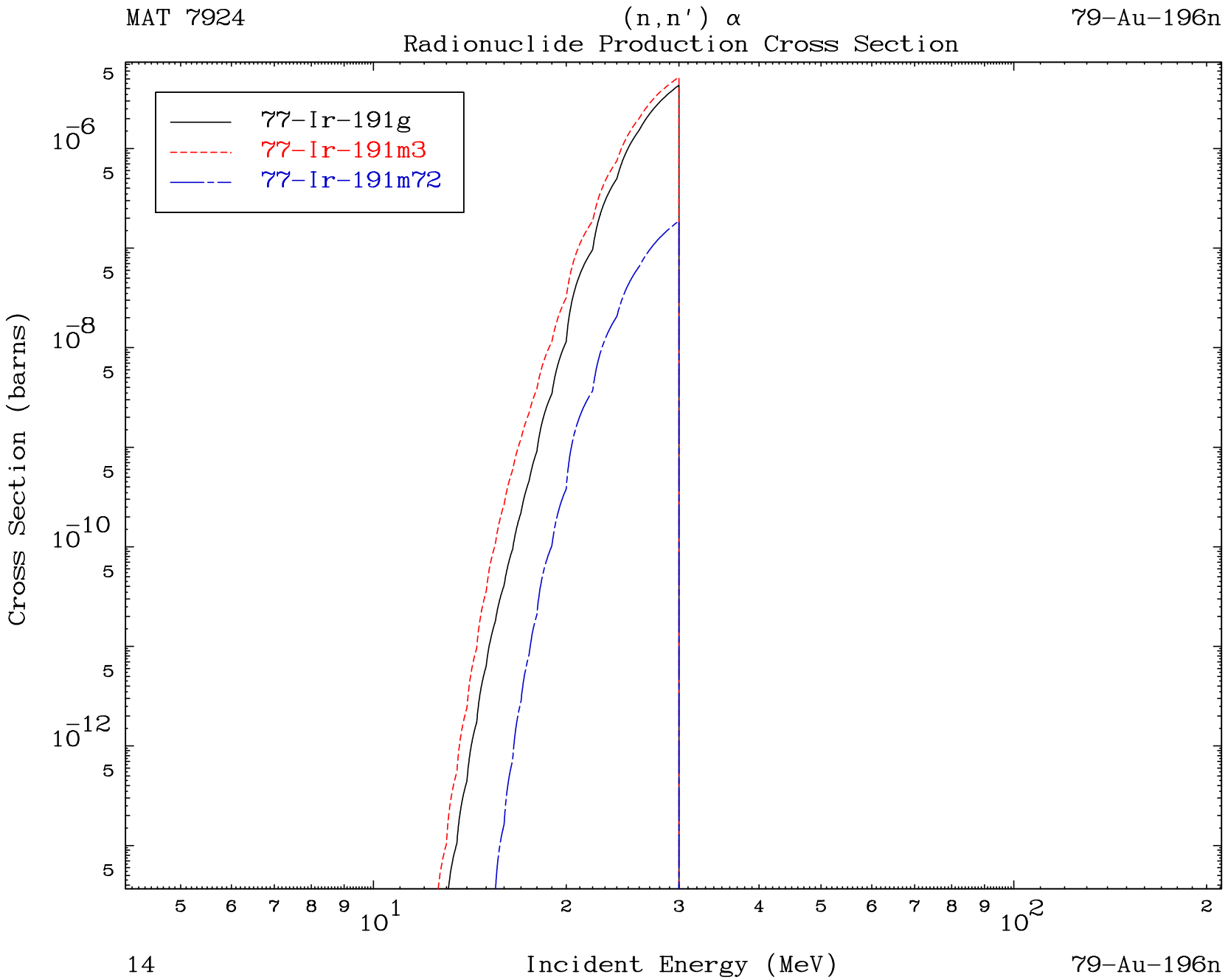

MAT 7924
(γ,α) Levels
79-Au-196n
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-6
10-8
10-10
10-12
Incident Energy (MeV)
100
101
102
9
79-Au-196n

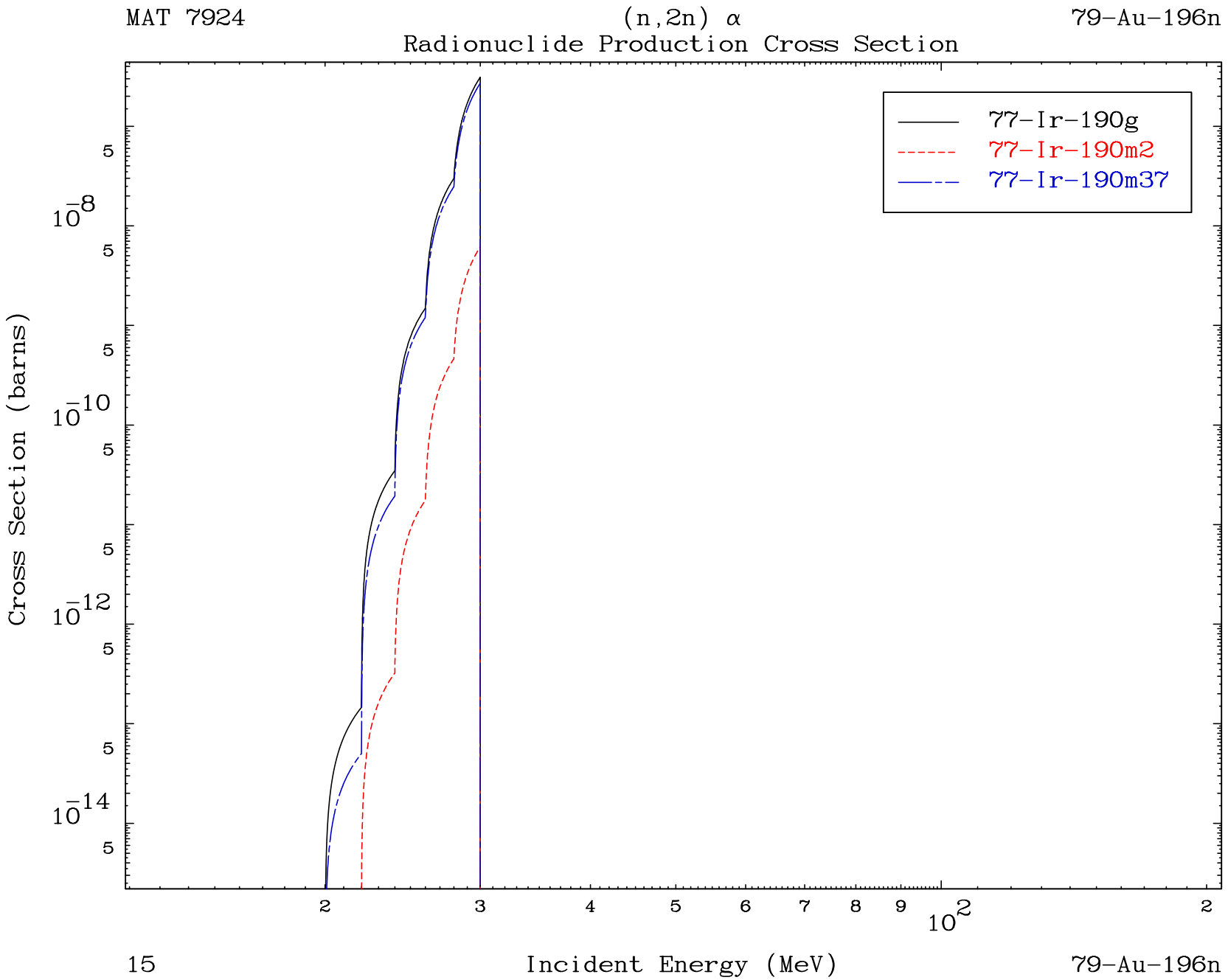

MAT 7924
Inelastic
79-Au-196n
Radionuclide Production Cross Section
79-Au-195g
79-Au-195m4
Cross Section (barns)
Incident Energy (MeV)
79-Au-196n

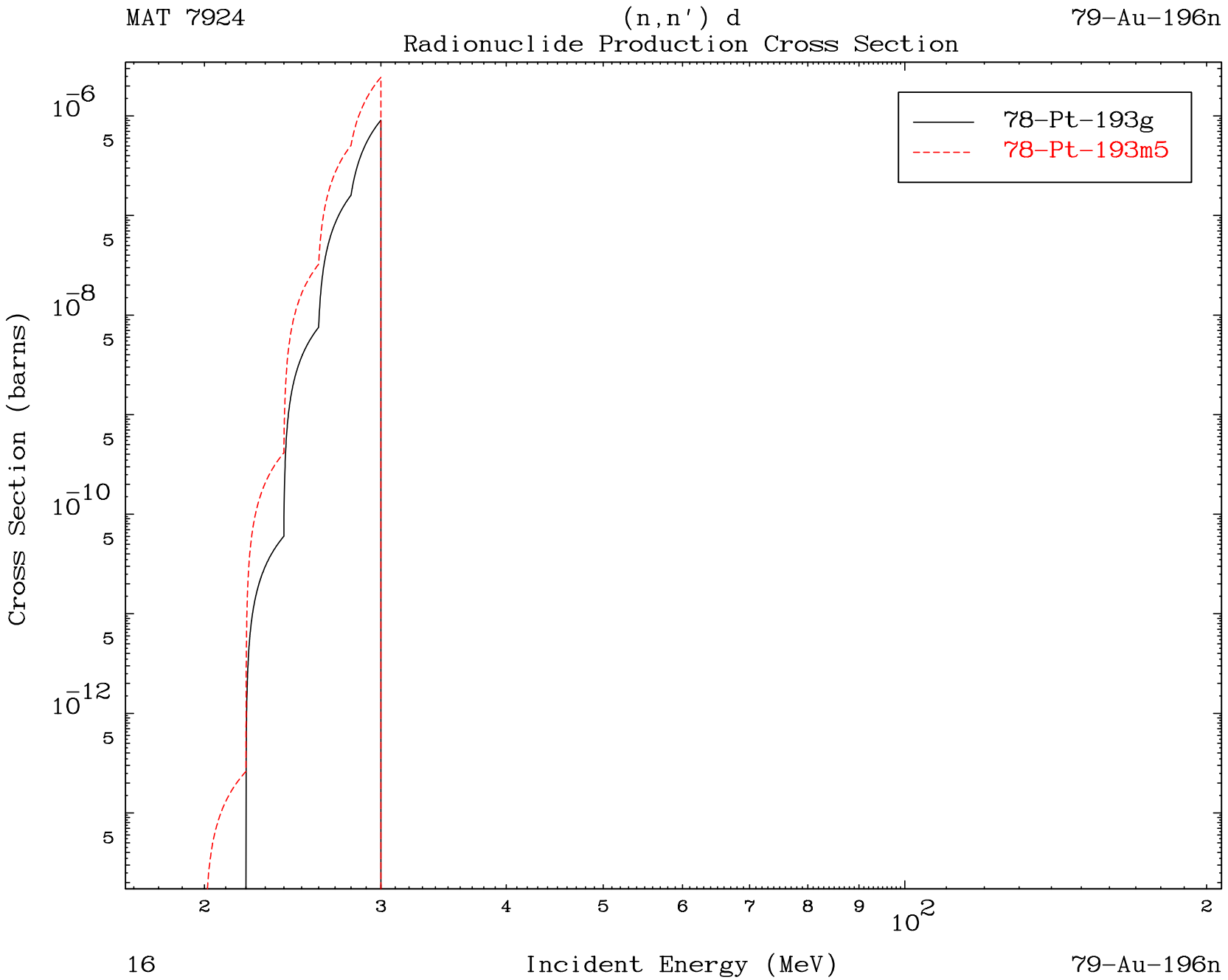

MAT 7924
(n,2n)
79-Au-196n
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
Incident Energy (MeV)
11
79-Au-196n

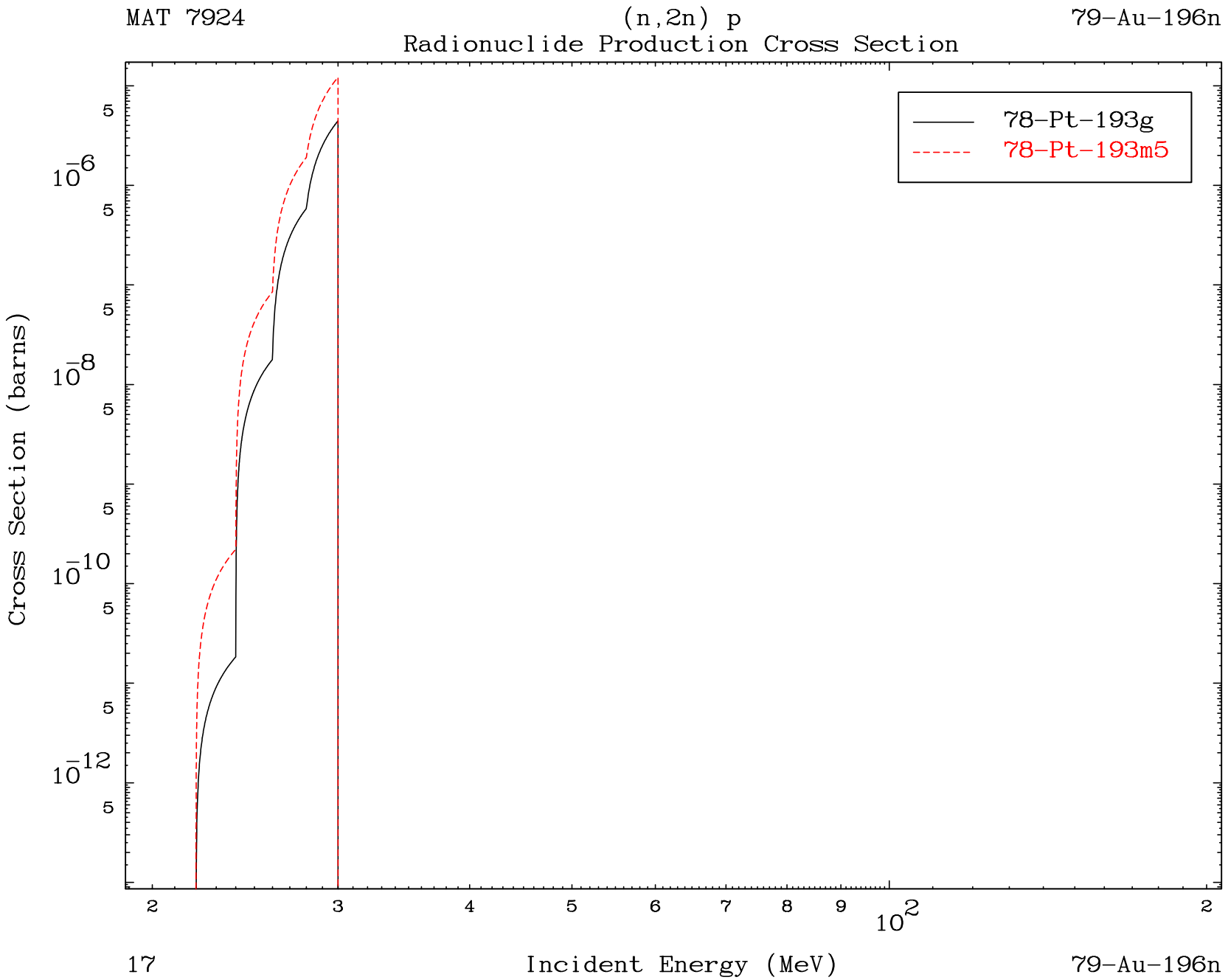

MAT 7924
(n,3n)
79-Au-196n
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
12
79-Au-196n

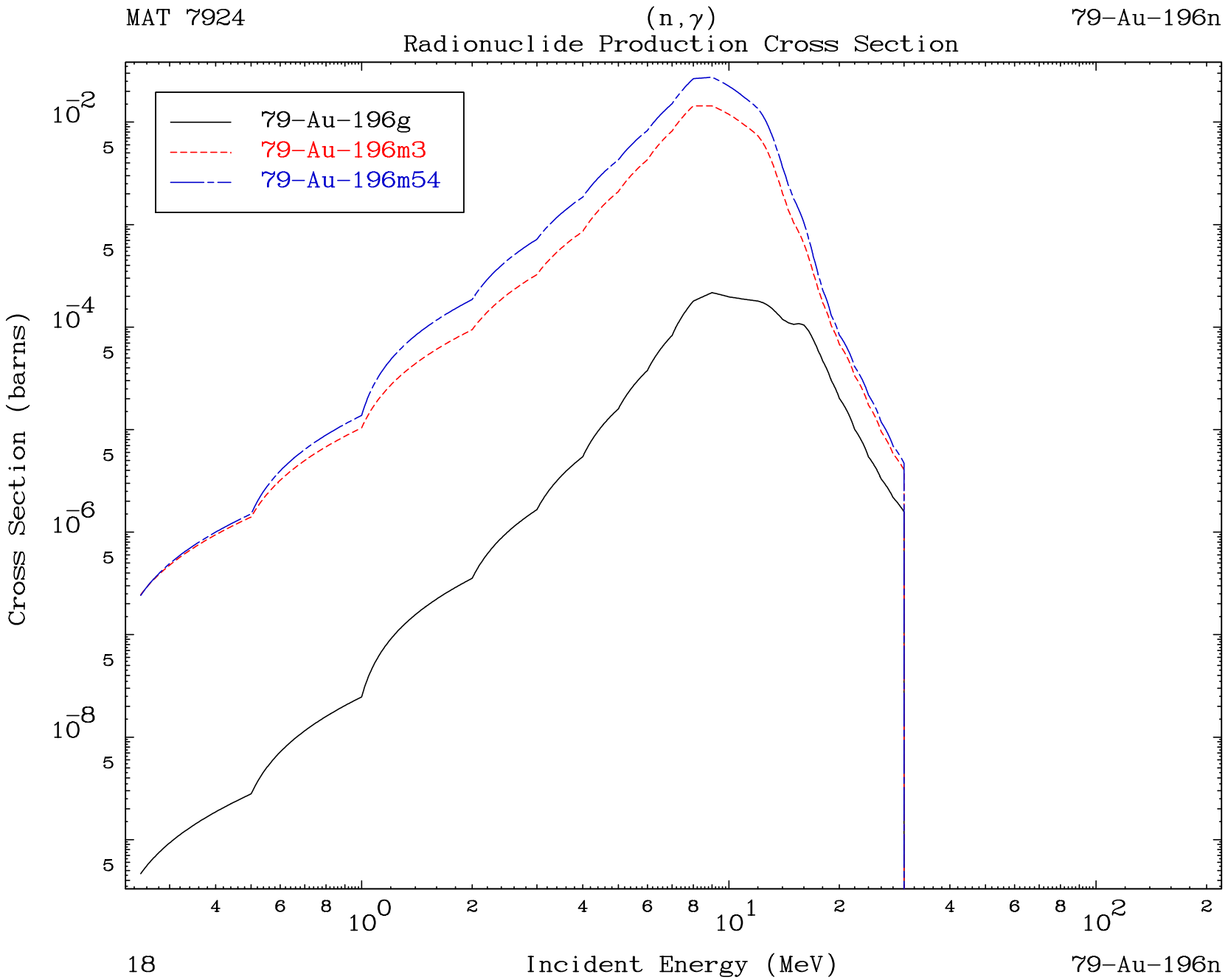

MAT 7924
Fission
79-Au-196n
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
4 6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2
Incident Energy (MeV)
13
79-Au-196n

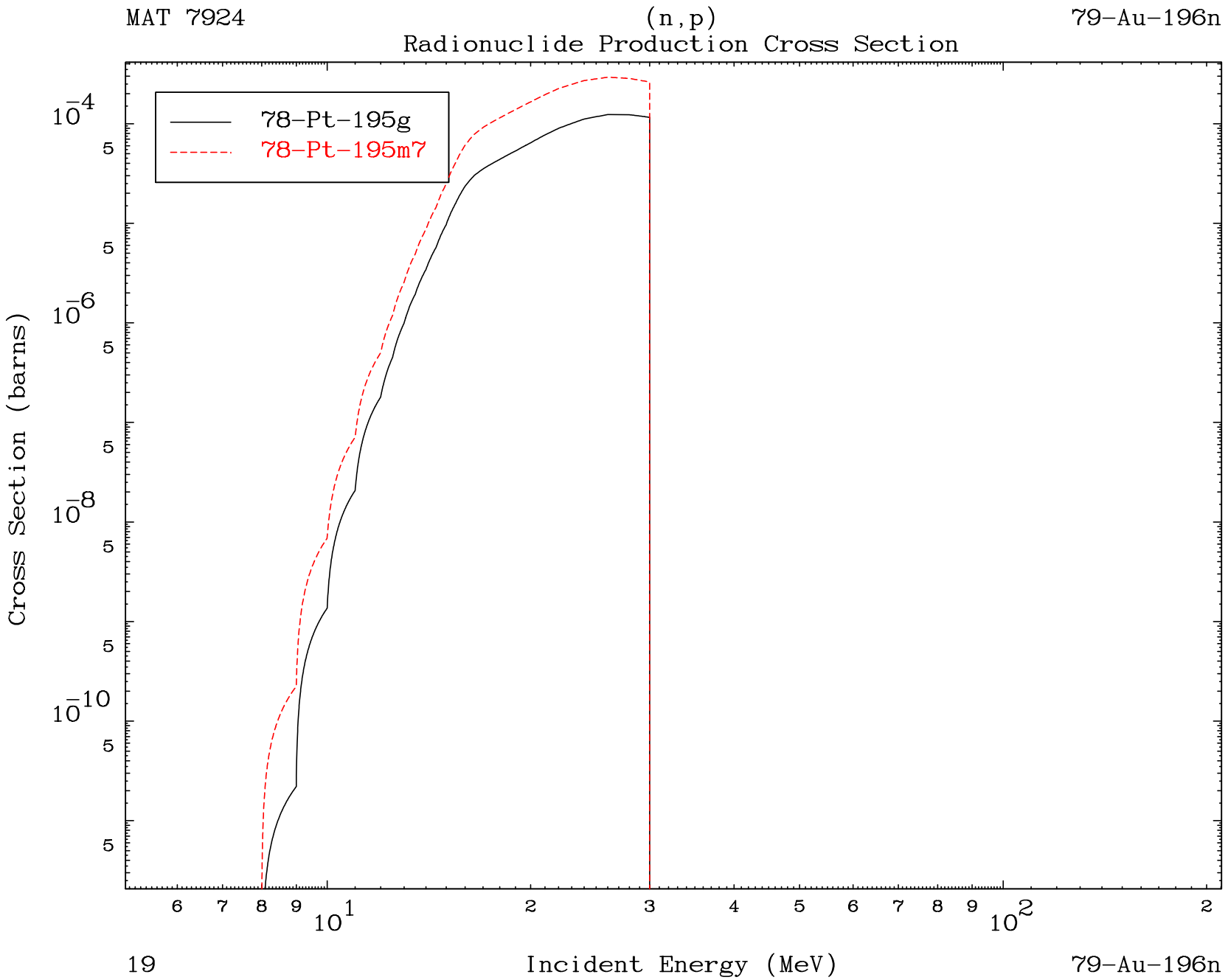

MAT 7924
(n,n') α
79-Au-196n
Radionuclide Production Cross Section
77-Ir-191g
77-Ir-191m3
77-Ir-191m72
Cross Section (barns)
Incident Energy (MeV)
14
79-Au-196n

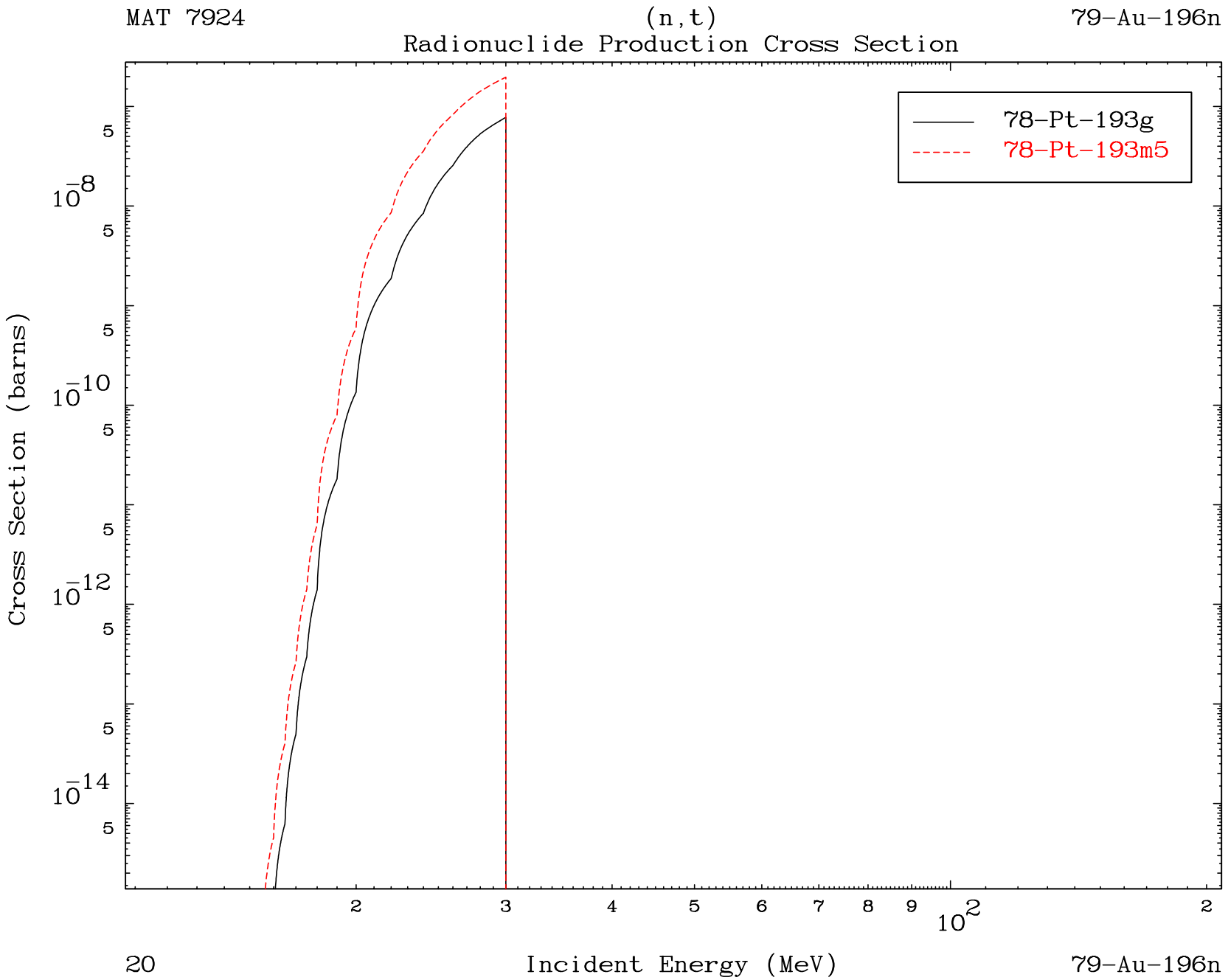

MAT 7924
(n,2n) α
79-Au-196n
Radionuclide Production Cross Section
77-Ir-190g
77-Ir-190m2
77-Ir-190m37
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
15
79-Au-196n

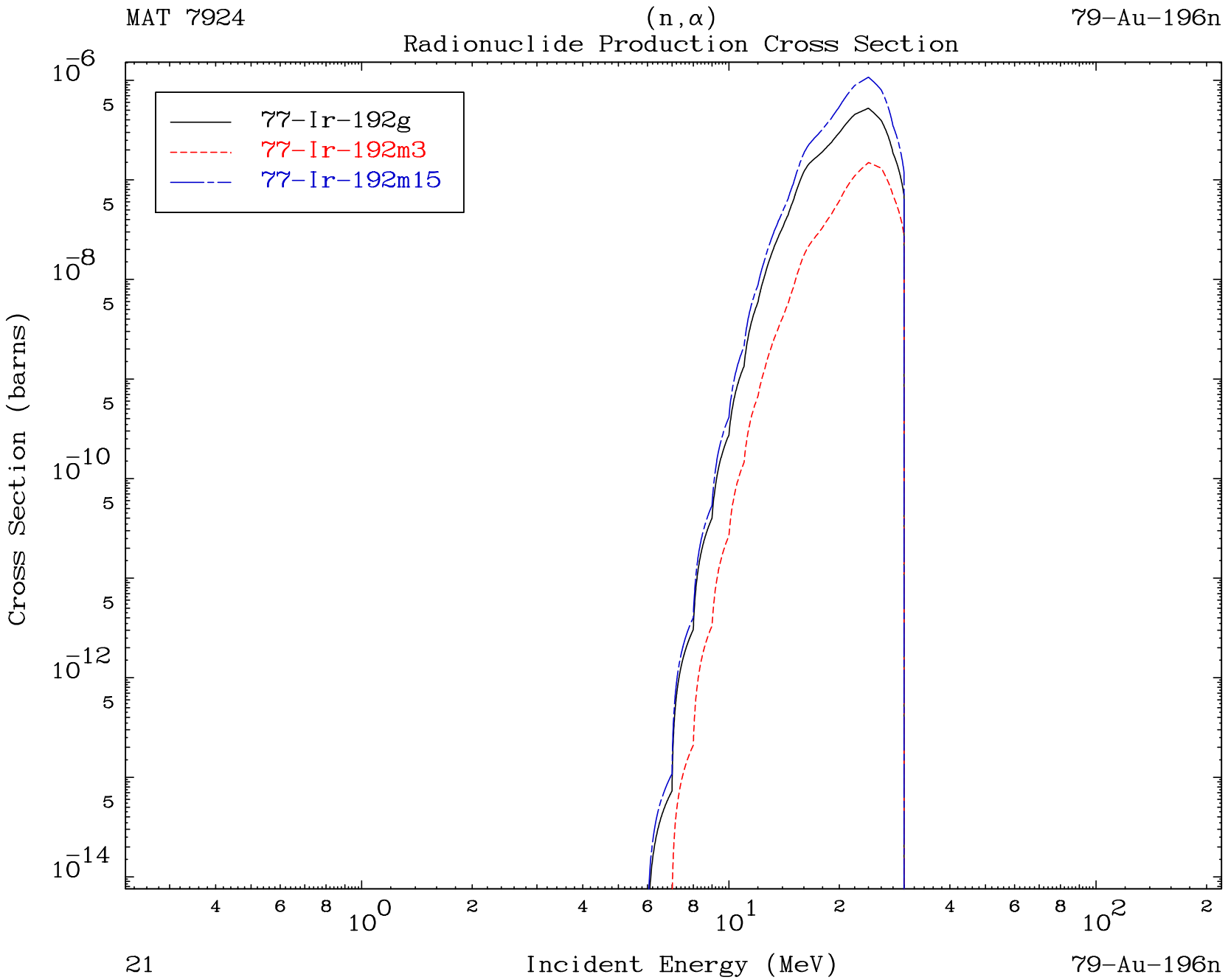

MAT 7924
(n,n') d
79-Au-196n
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
Incident Energy (MeV)
16
79-Au-196n


MAT 7924
(n,2n) p
79-Au-196n
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
17
79-Au-196n


MAT 7924
(n,γ)
79-Au-196n
Radionuclide Production Cross Section
79-Au-196g
79-Au-196m3
79-Au-196m54
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
100
2
101
102
18
Incident Energy (MeV)
79-Au-196n


MAT 7924
(n,p)
79-Au-196n
Radionuclide Production Cross Section
78-Pt-195g
78-Pt-195m7
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
19
79-Au-196n


MAT 7924
(n,t)
79-Au-196n
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
20
Incident Energy (MeV)
79-Au-196n


MAT 7924
(n,α)
79-Au-196n
Radionuclide Production Cross Section
77-Ir-192g
77-Ir-192m3
77-Ir-192m15
Cross Section (barns)
Incident Energy (MeV)
21
79-Au-196n