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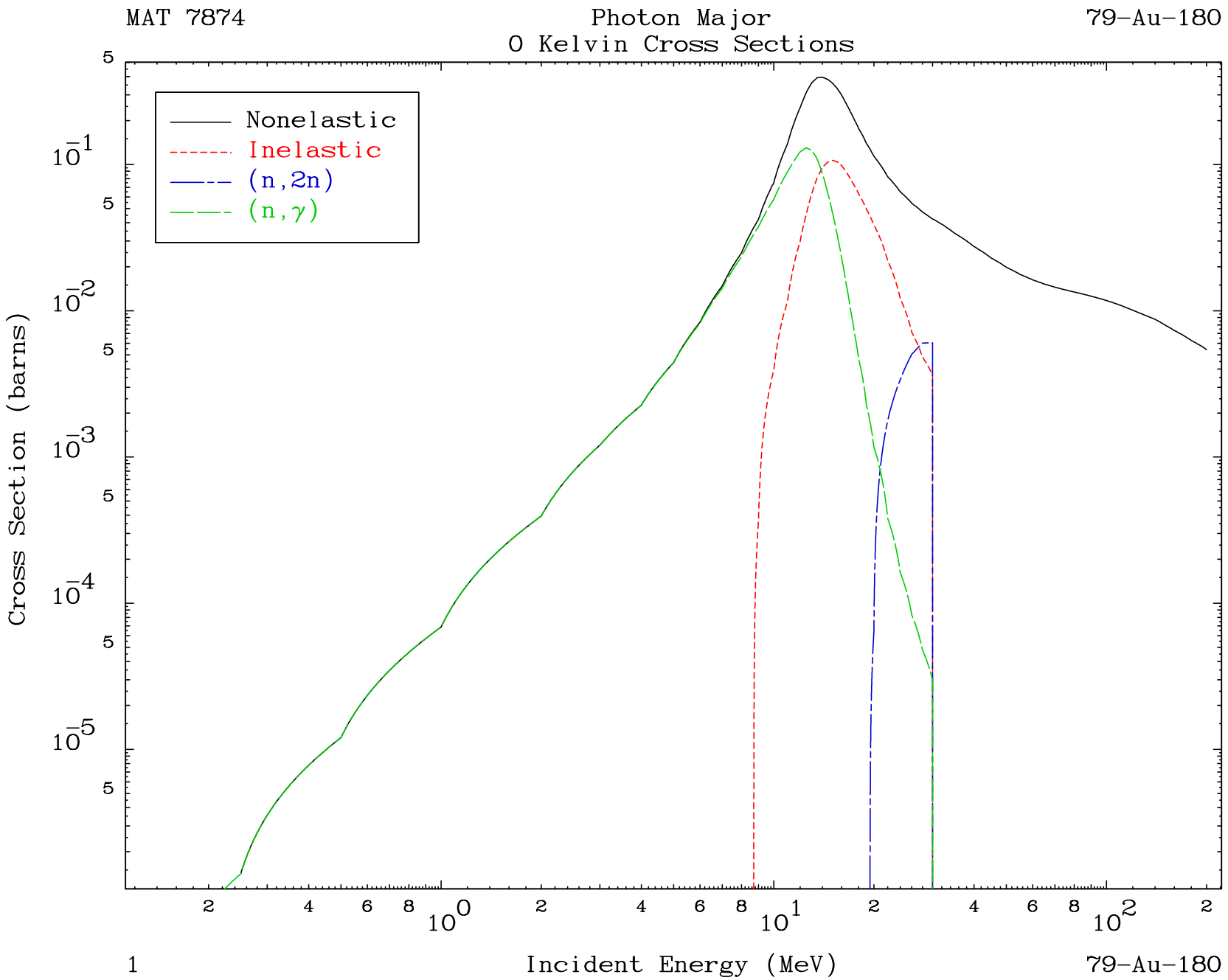
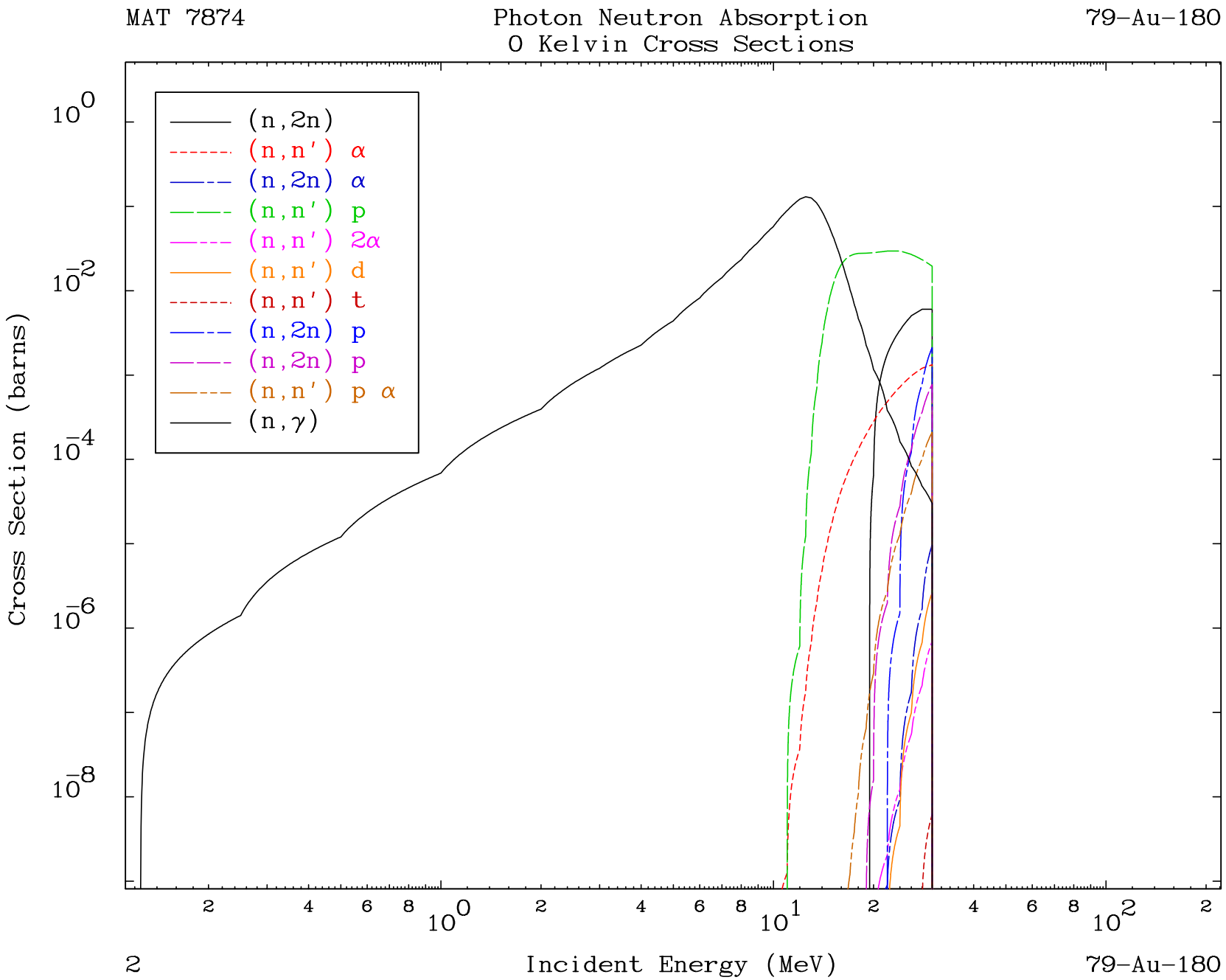
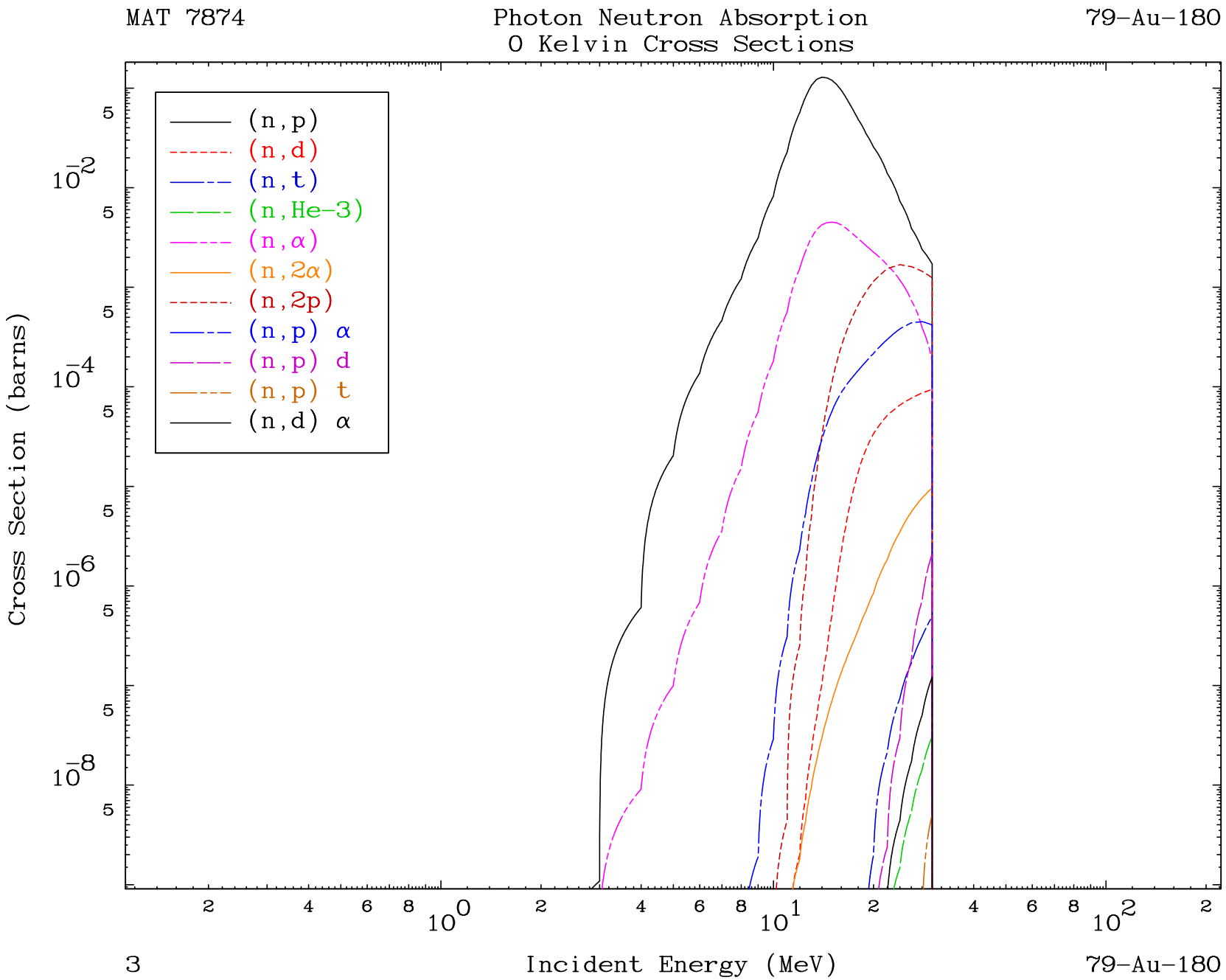
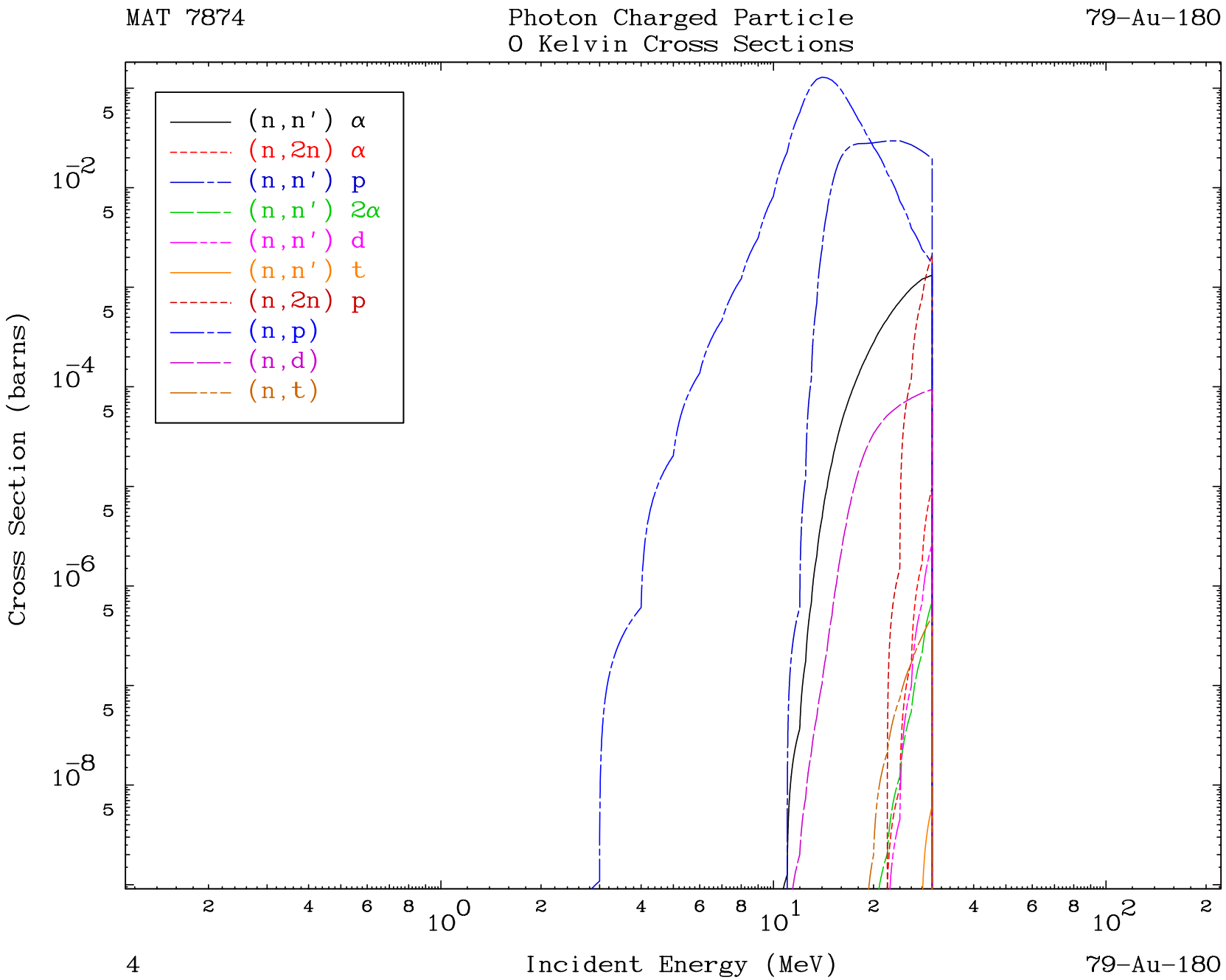
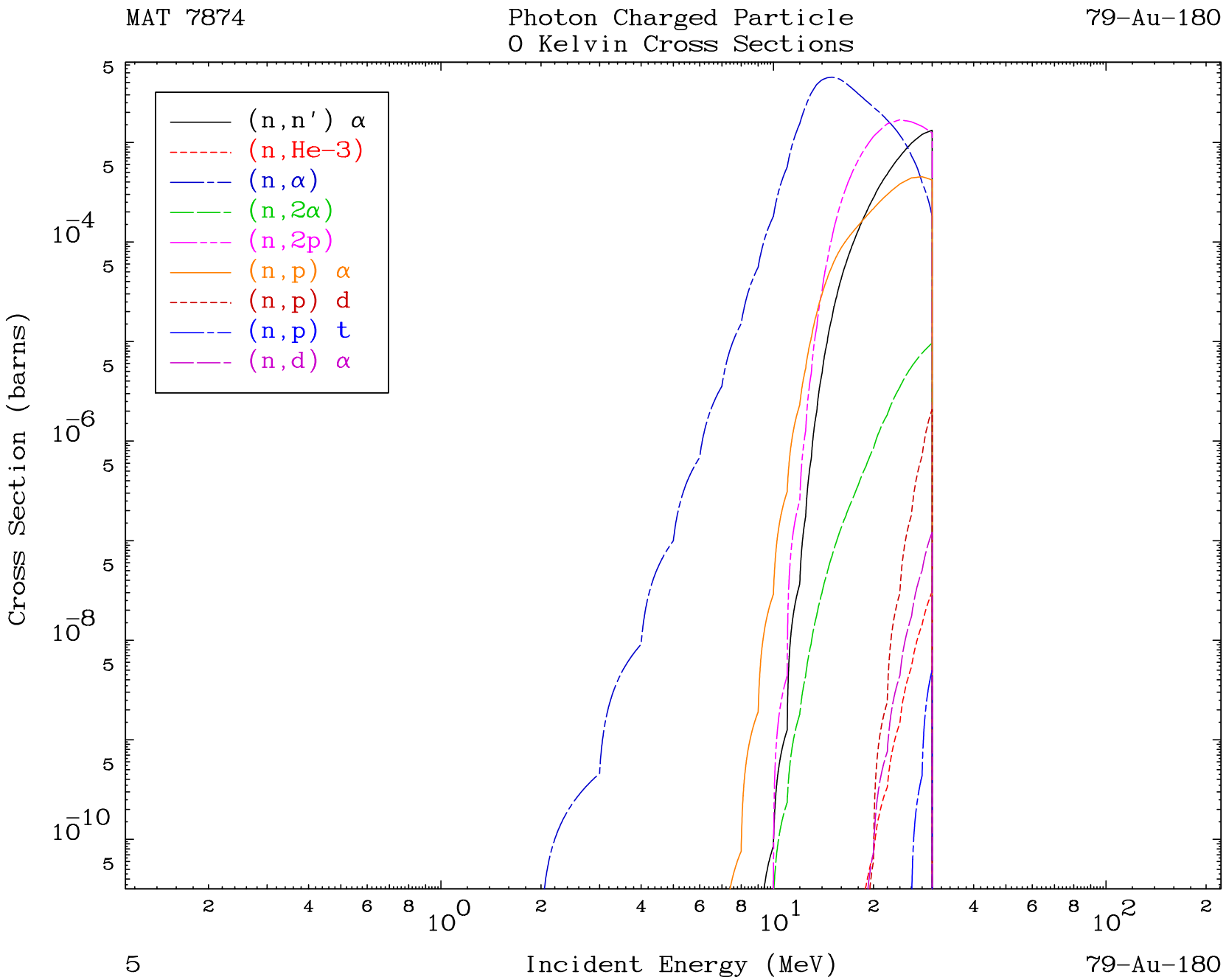
Press Mouse Button to Start

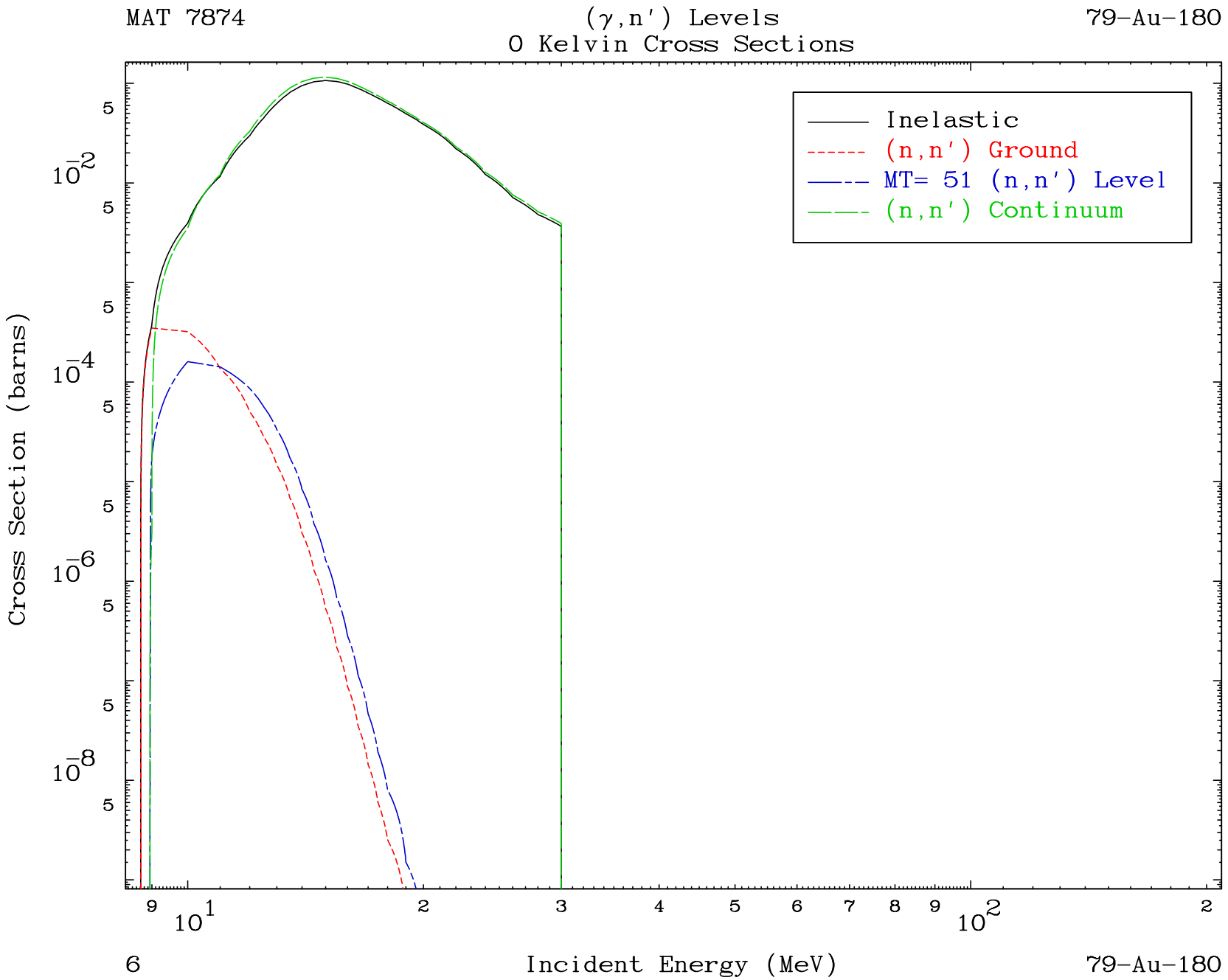

MAT 7874
Photon Major
79-Au-180
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
79-Au-180

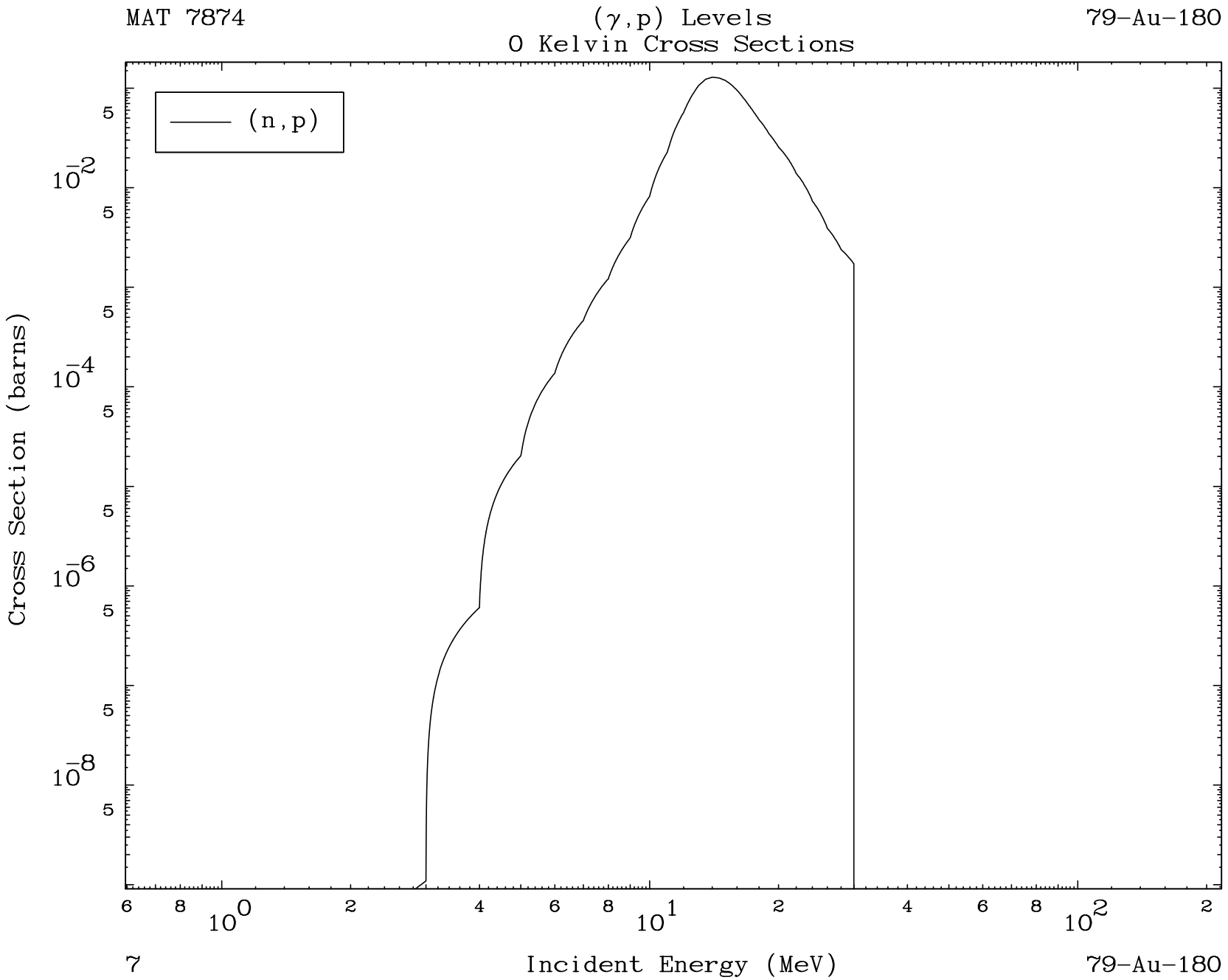

MAT 7874
Photon Neutron Absorption
0 Kelvin Cross Sections
79-Au-180
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
79-Au-180
2

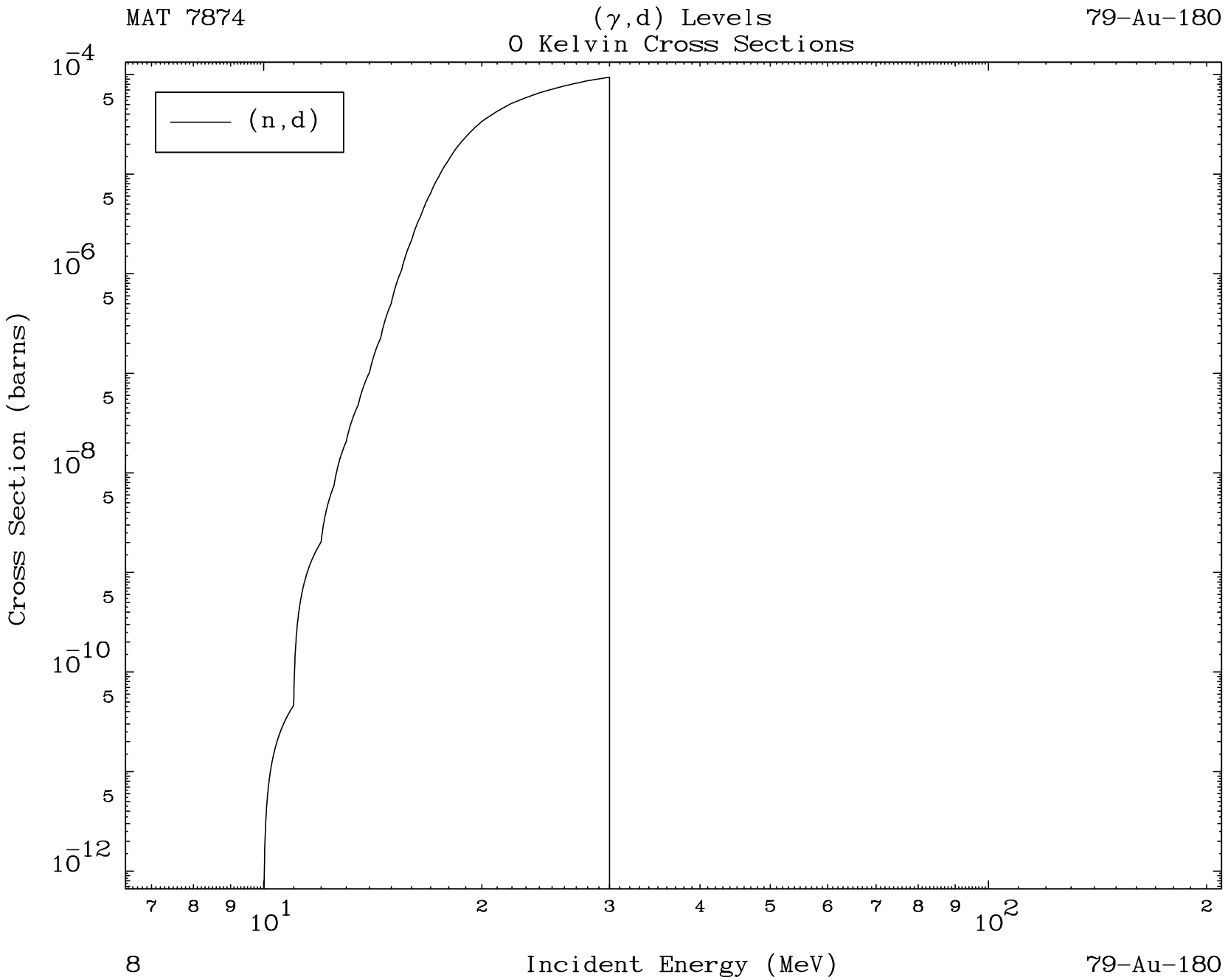

MAT 7874
Photon Neutron Absorption
0 Kelvin Cross Sections
79-Au-180
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
79-Au-180

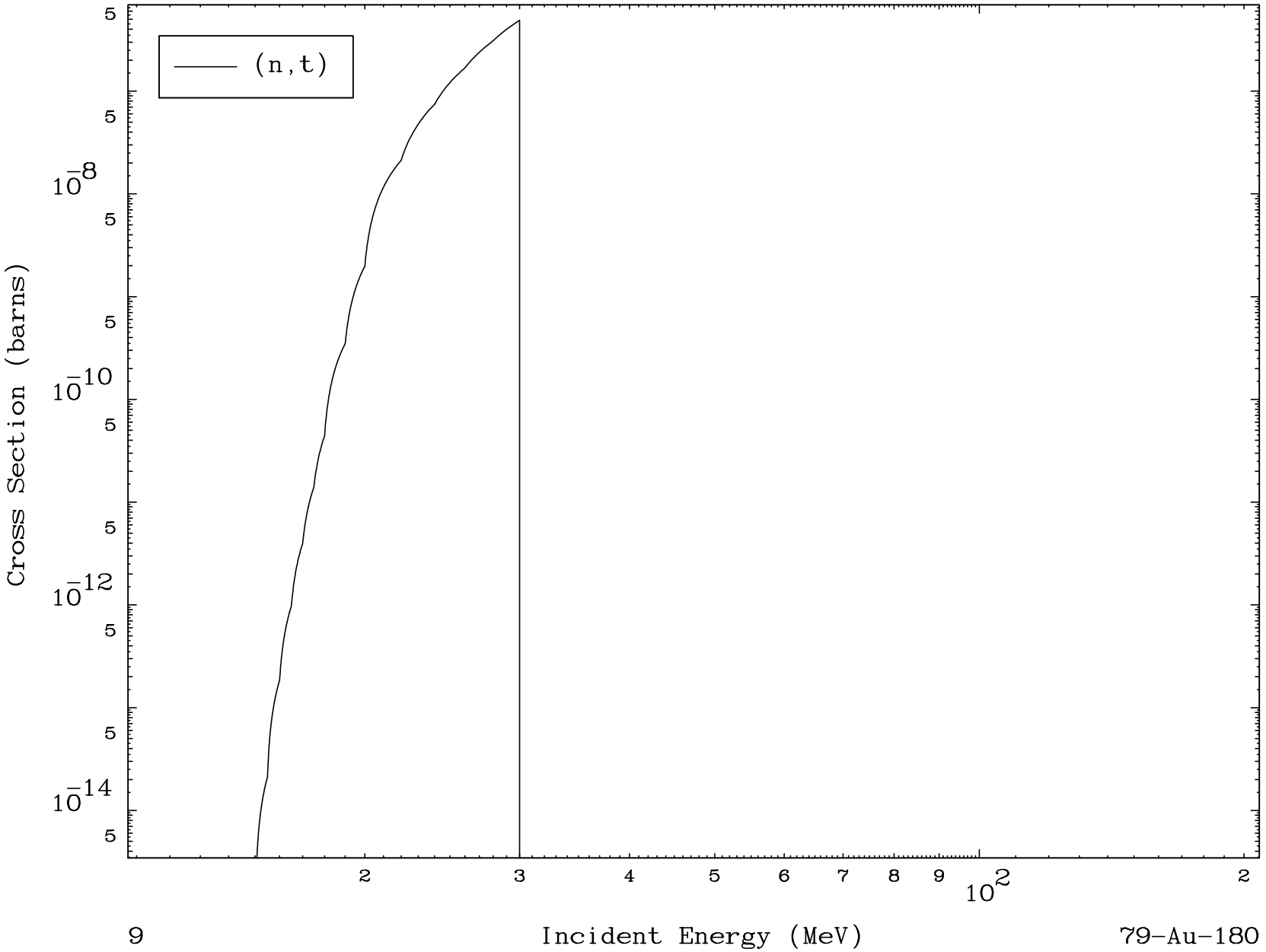

MAT 7874
Photon Charged Particle
0 Kelvin Cross Sections
79-Au-180
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
4
79-Au-180

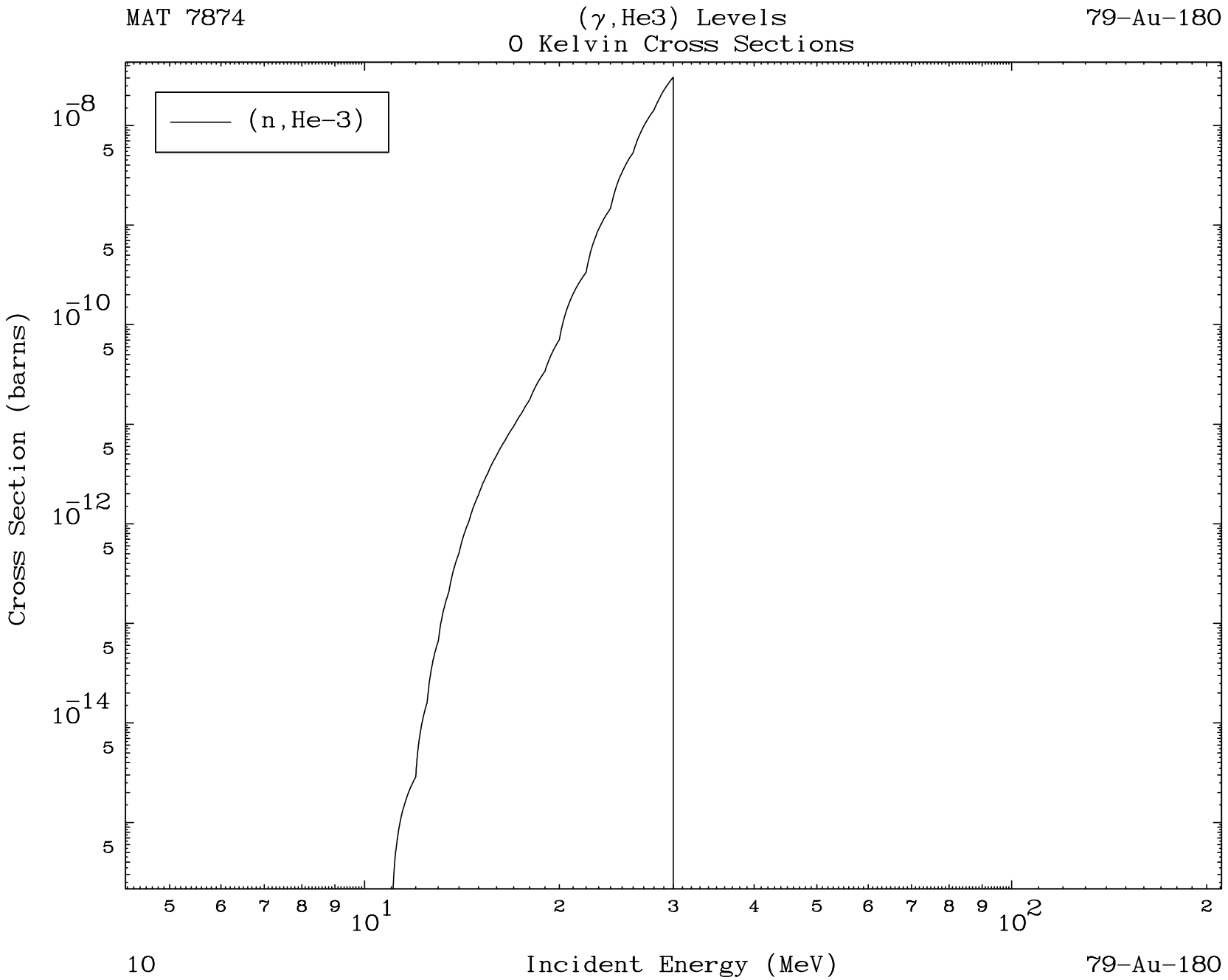

MAT 7874
Photon Charged Particle
0 Kelvin Cross Sections
79-Au-180
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
79-Au-180

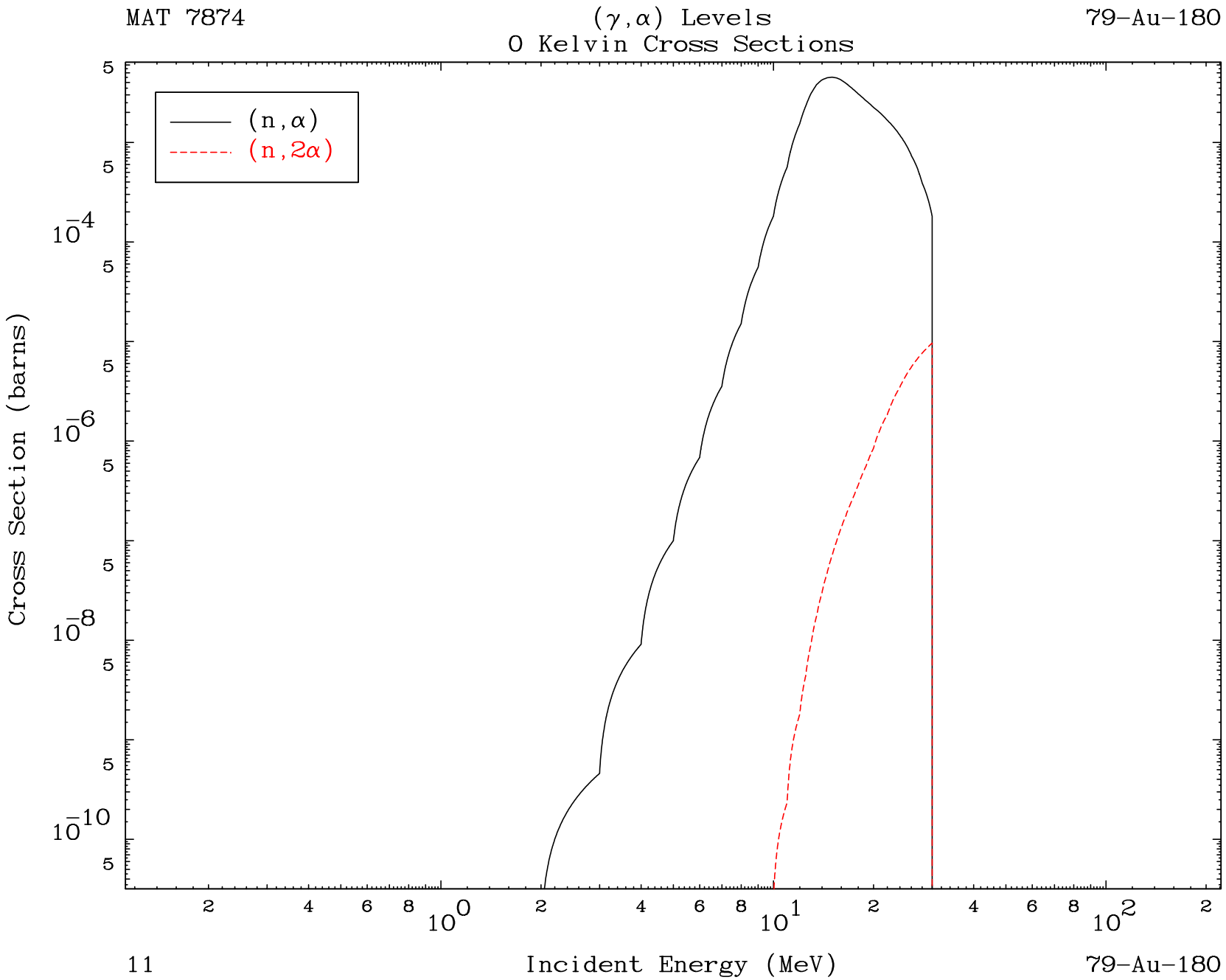

MAT 7874
(γ,n') Levels
0 Kelvin Cross Sections
79-Au-180
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
79-Au-180
6

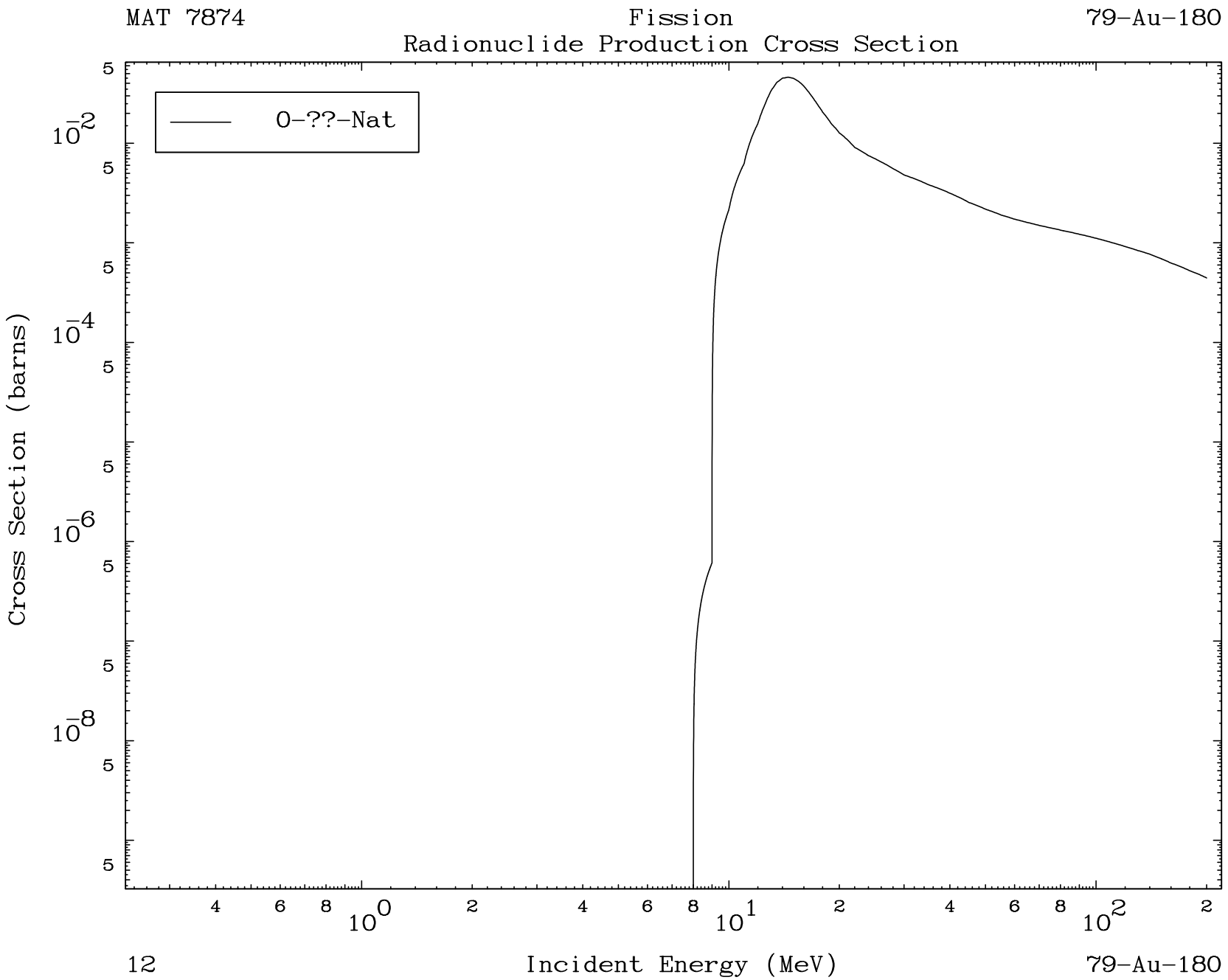

MAT 7874
(γ,p) Levels
79-Au-180
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
7
79-Au-180

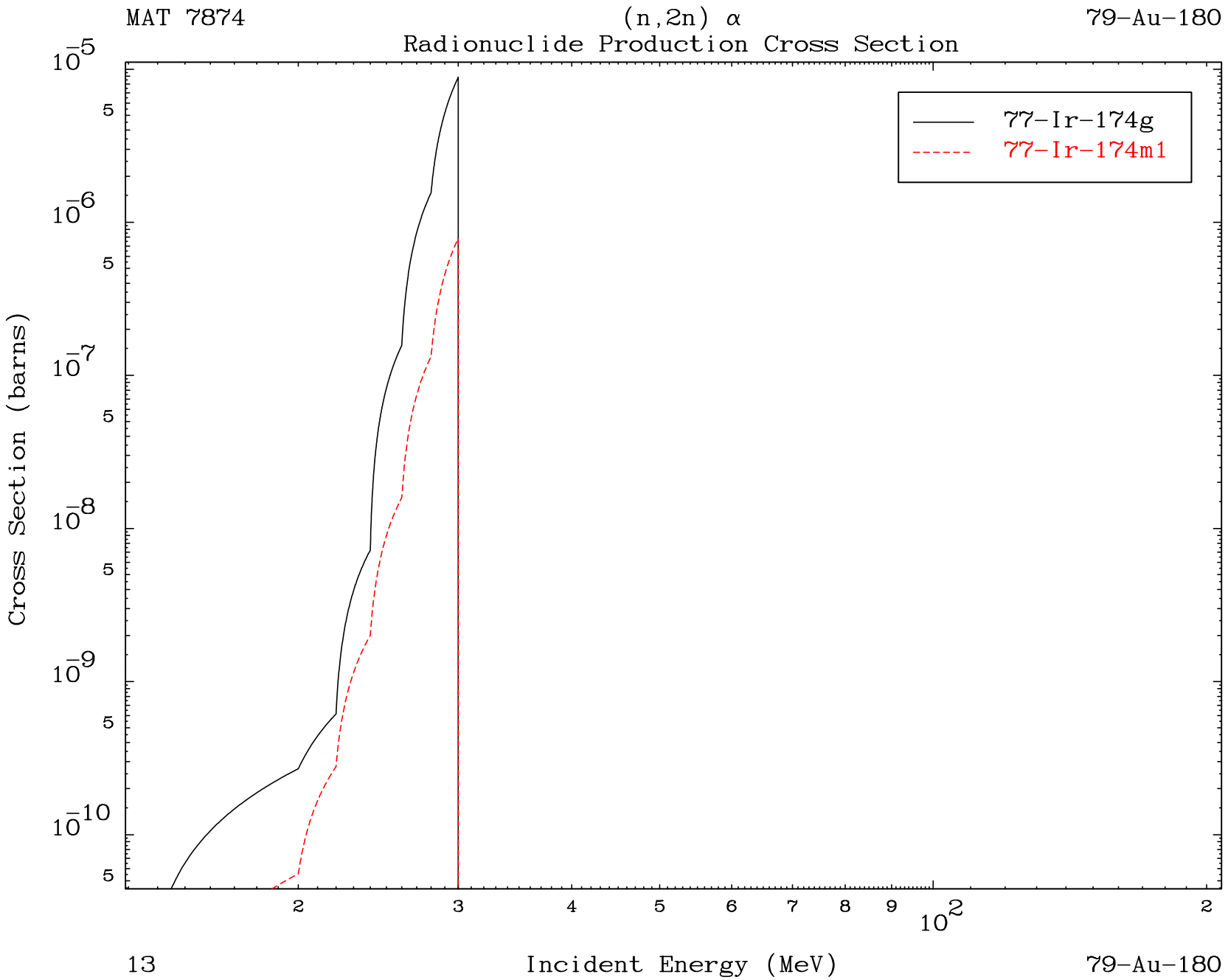

MAT 7874
(γ,d) Levels
79-Au-180
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
79-Au-180

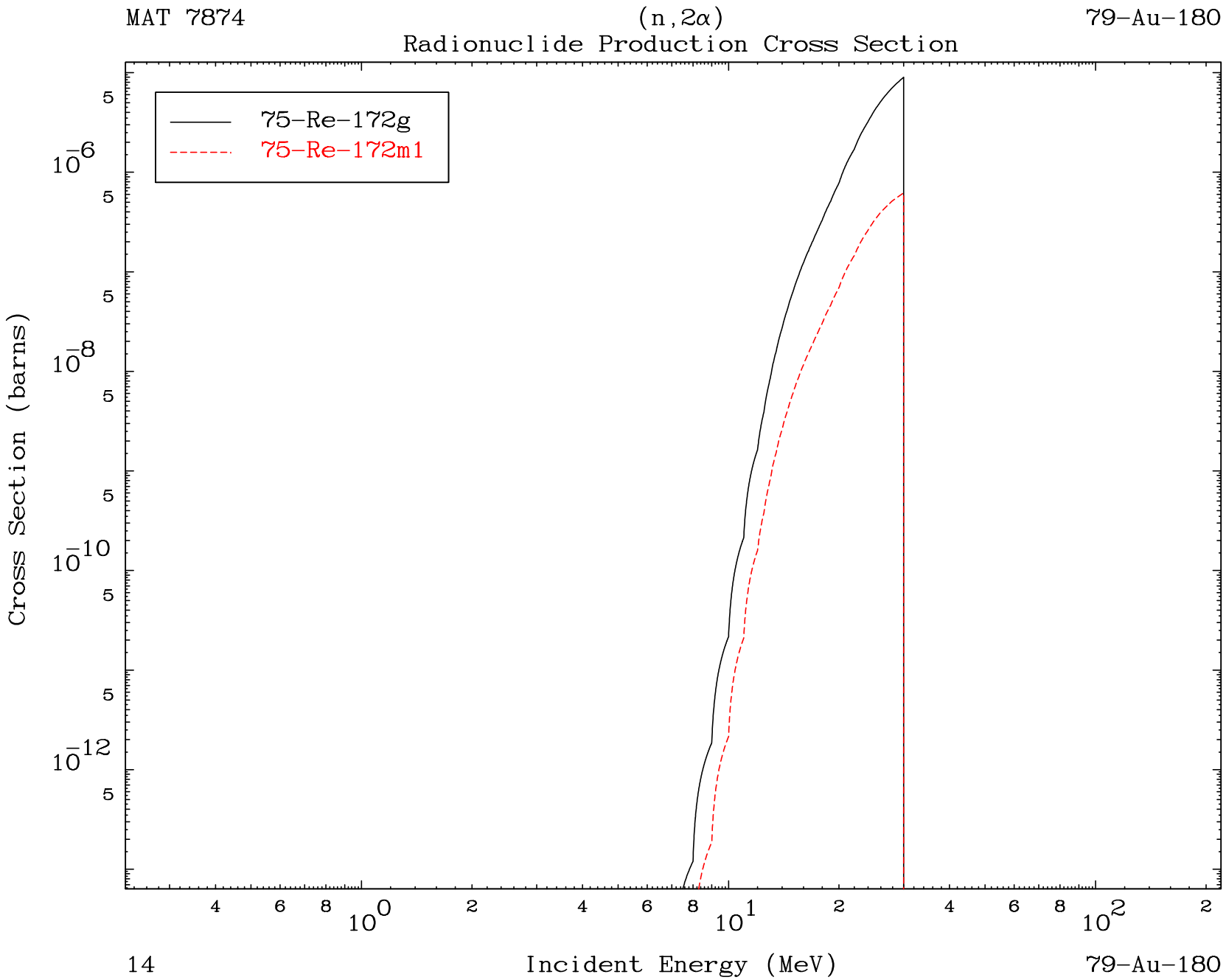

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
5
5
10^-8
5
10^-10
5
10^-12
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 7874
(γ,He3) Levels
79-Au-180
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^1
10^2
2
3
4
6
7
8
9
10
Incident Energy (MeV)
79-Au-180


MAT 7874
(γ,α) Levels
79-Au-180
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
79-Au-180


MAT 7874
Fission
79-Au-180
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
79-Au-180


MAT 7874
(n,2n) α
79-Au-180
Radionuclide Production Cross Section
77-Ir-174g
77-Ir-174m1
Cross Section (barns)
Incident Energy (MeV)
13
79-Au-180


MAT 7874
(n,2α)
79-Au-180
Radionuclide Production Cross Section
75-Re-172g
75-Re-172m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
14
79-Au-180