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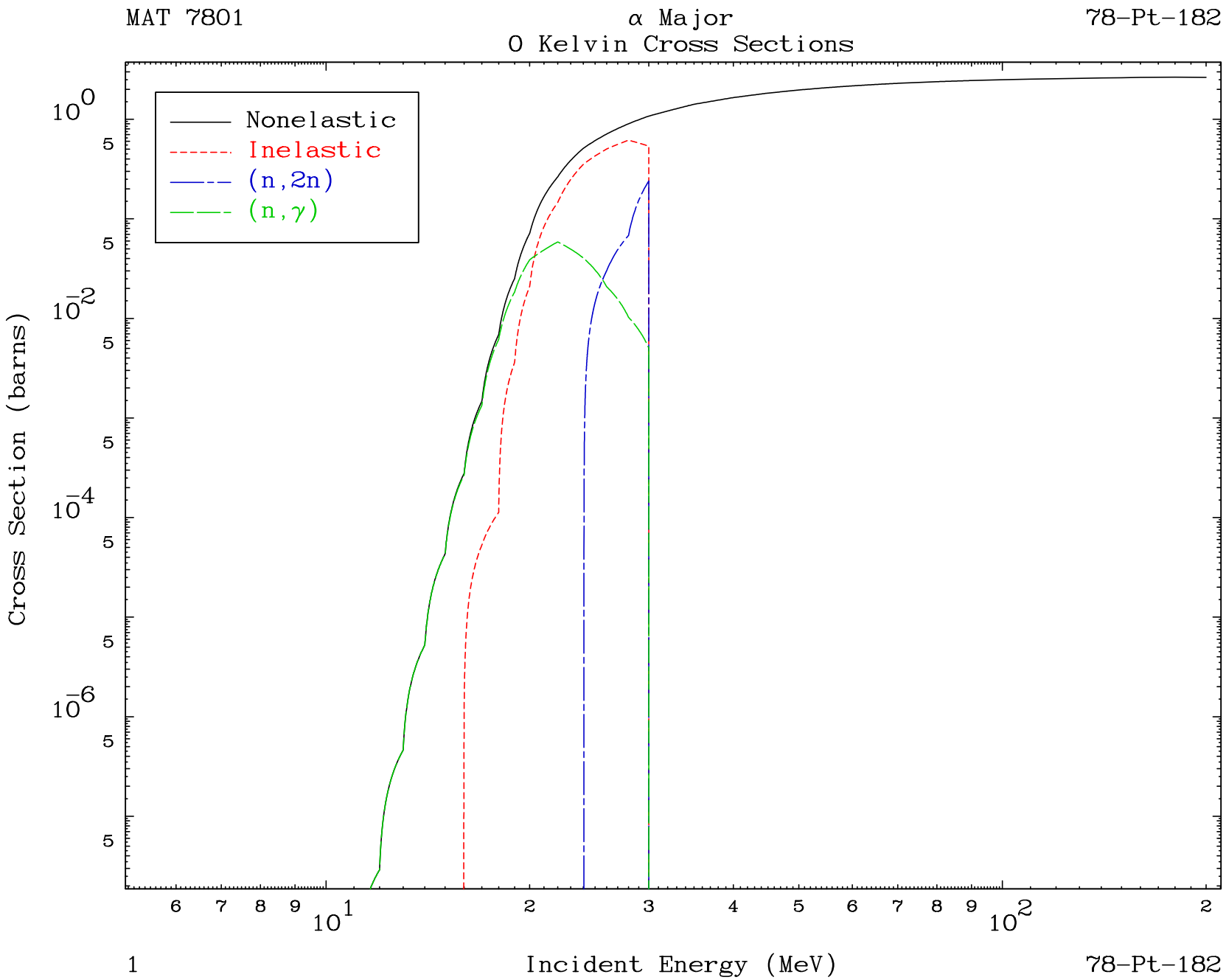
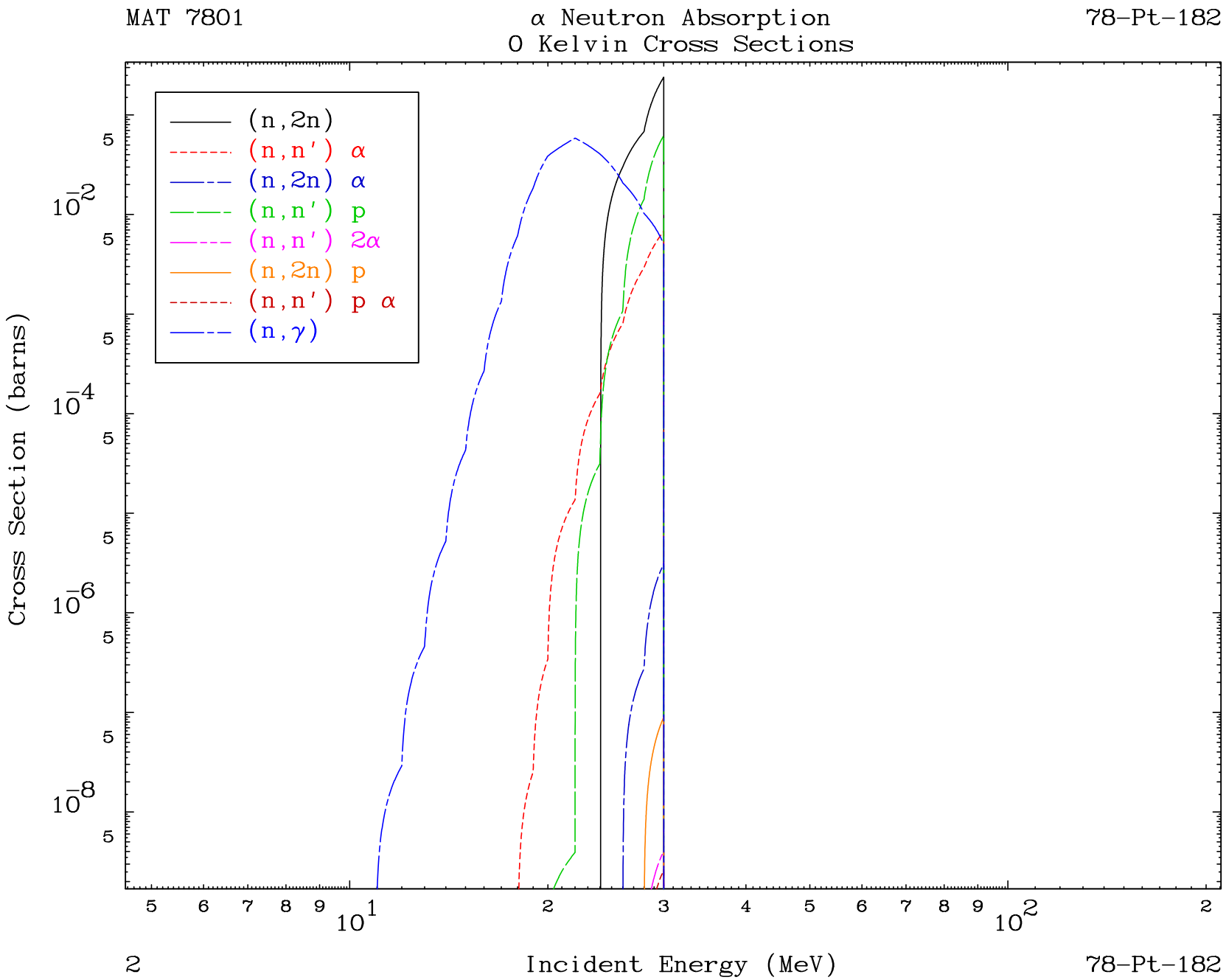
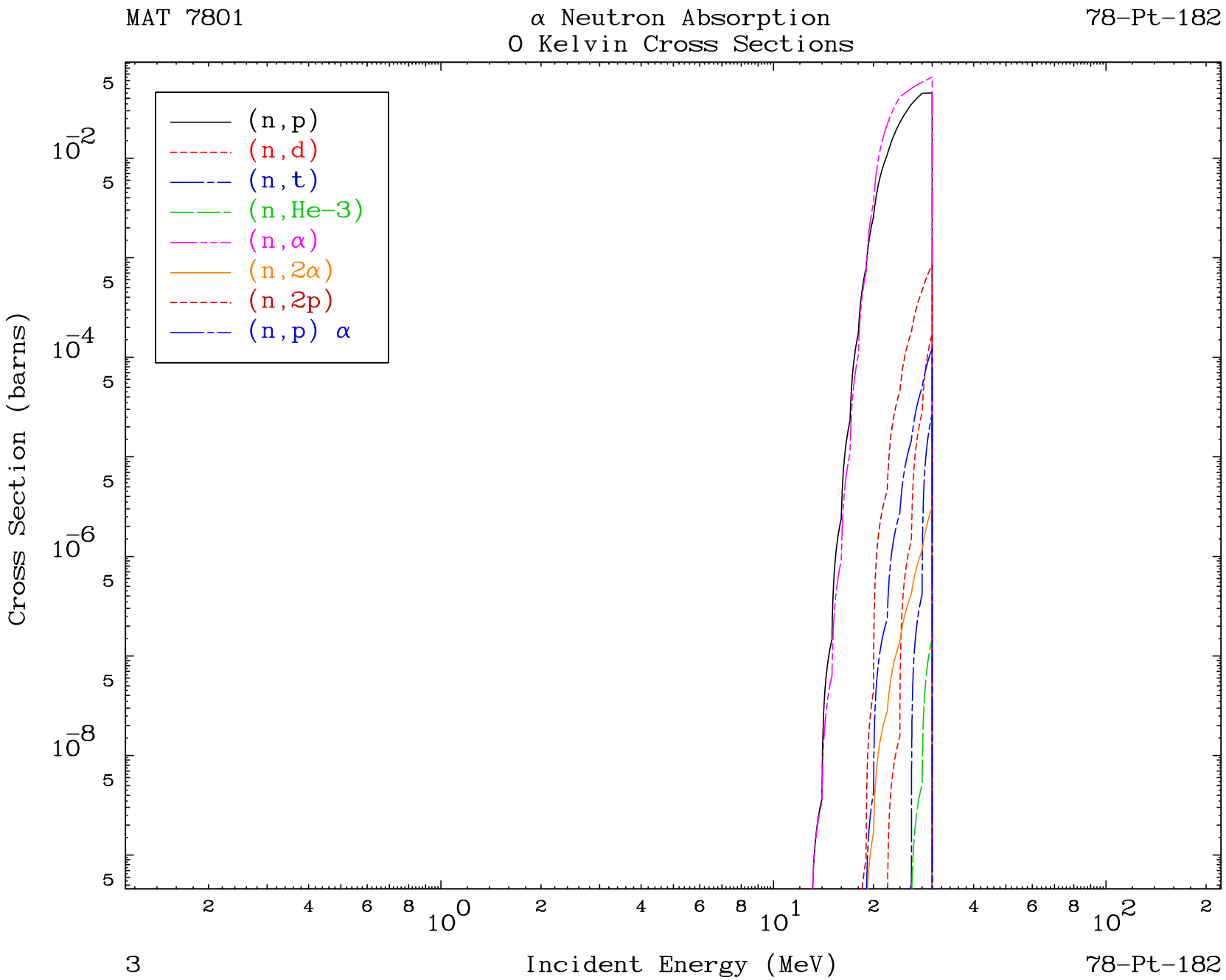
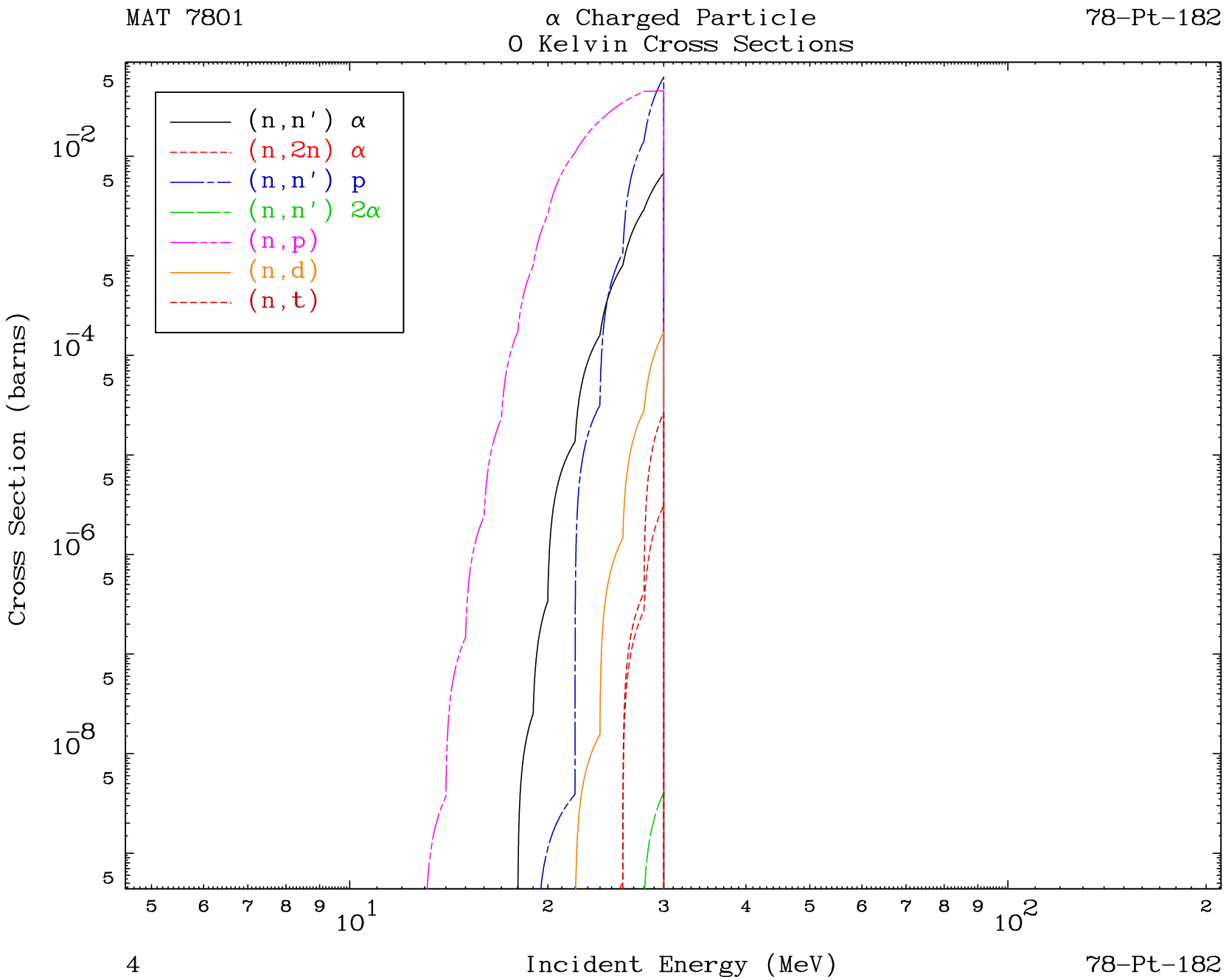
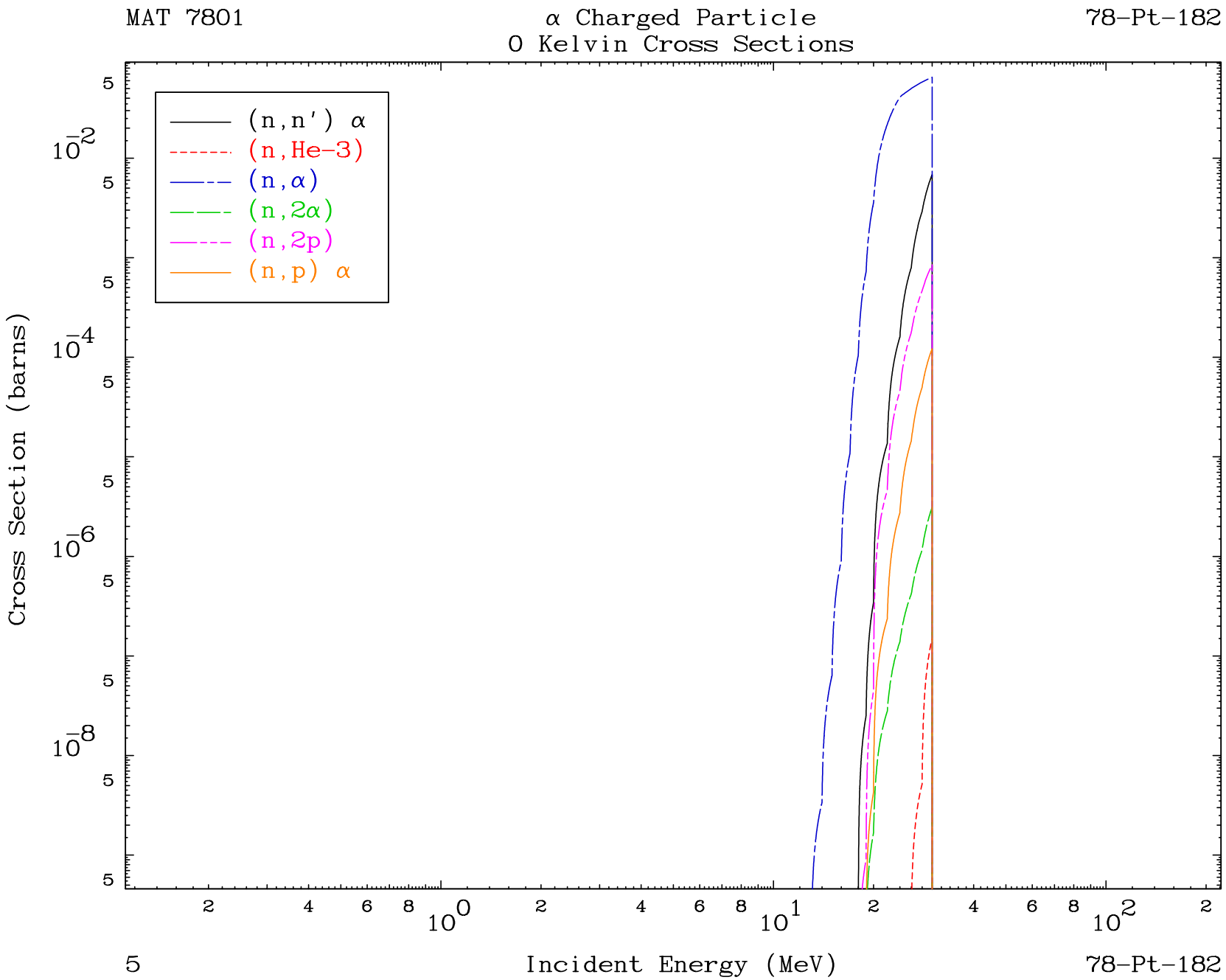
Press Mouse Button to Start

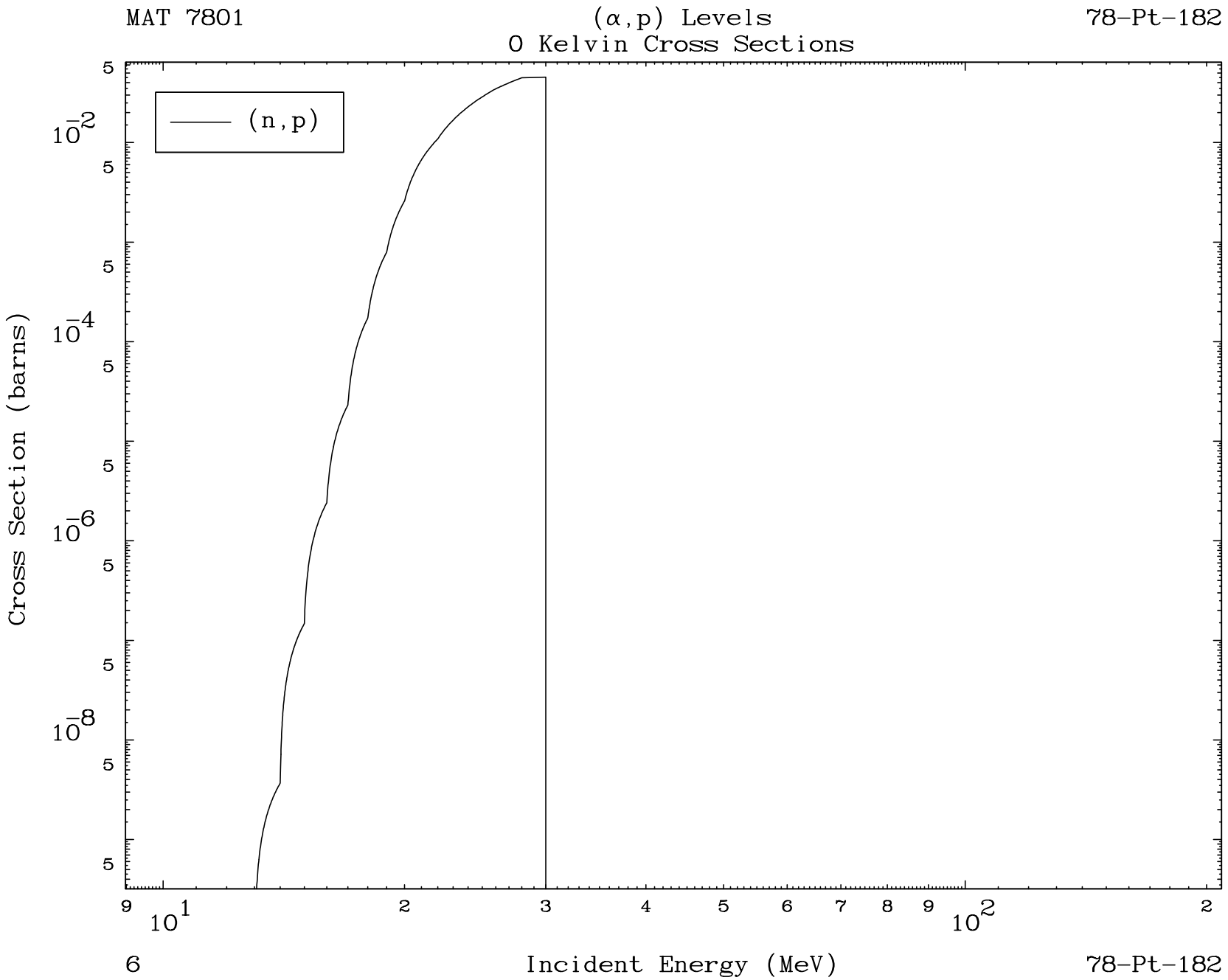

MAT 7801
α Major
78-Pt-182
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
78-Pt-182

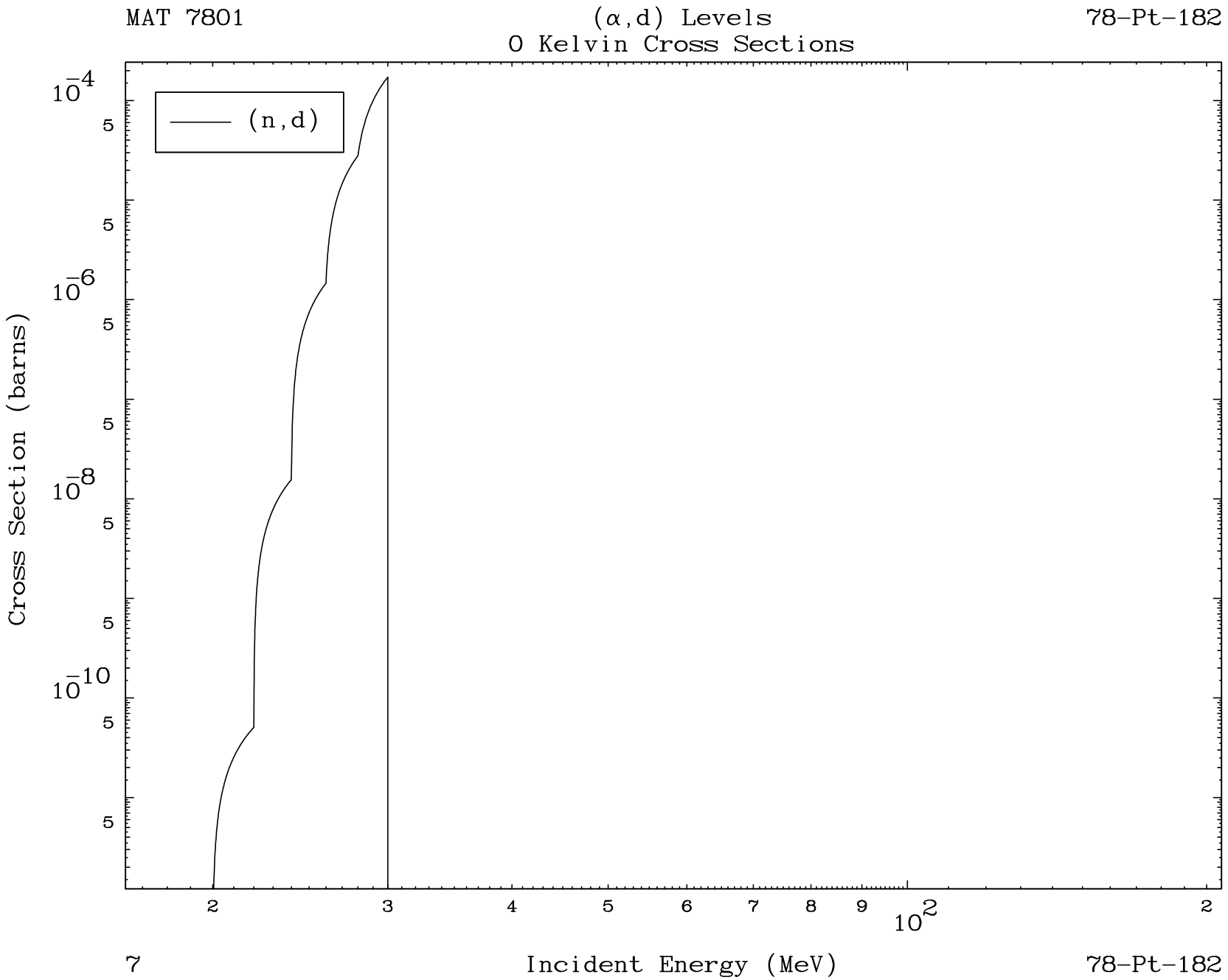

MAT 7801
α Neutron Absorption
0 Kelvin Cross Sections
78-Pt-182
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
78-Pt-182
2


MAT 7801
α Neutron Absorption
0 Kelvin Cross Sections
78-Pt-182
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
78-Pt-182

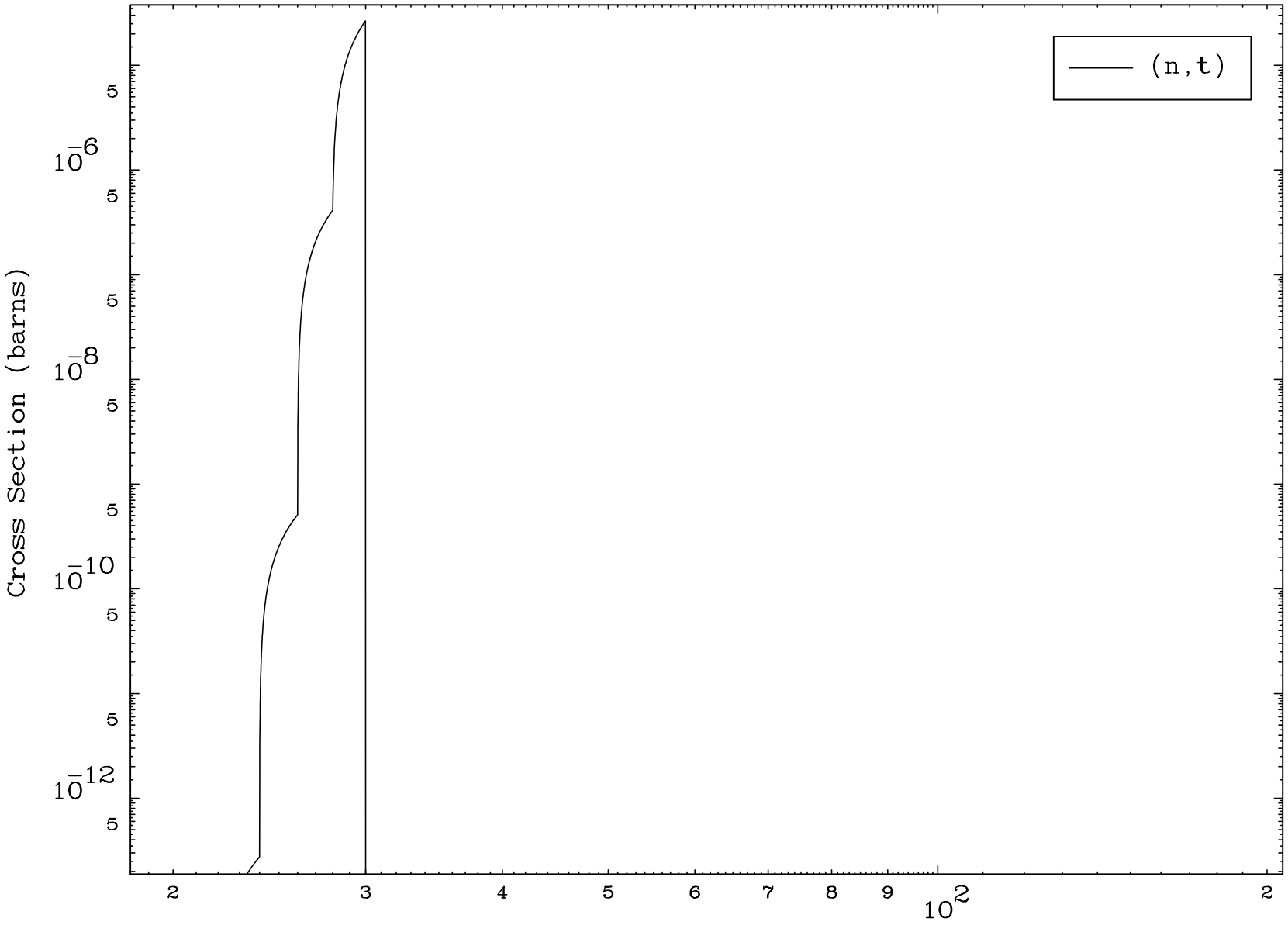

MAT 7801
α Charged Particle
0 Kelvin Cross Sections
78-Pt-182
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
78-Pt-182
4


MAT 7801
α Charged Particle
0 Kelvin Cross Sections
78-Pt-182
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
78-Pt-182

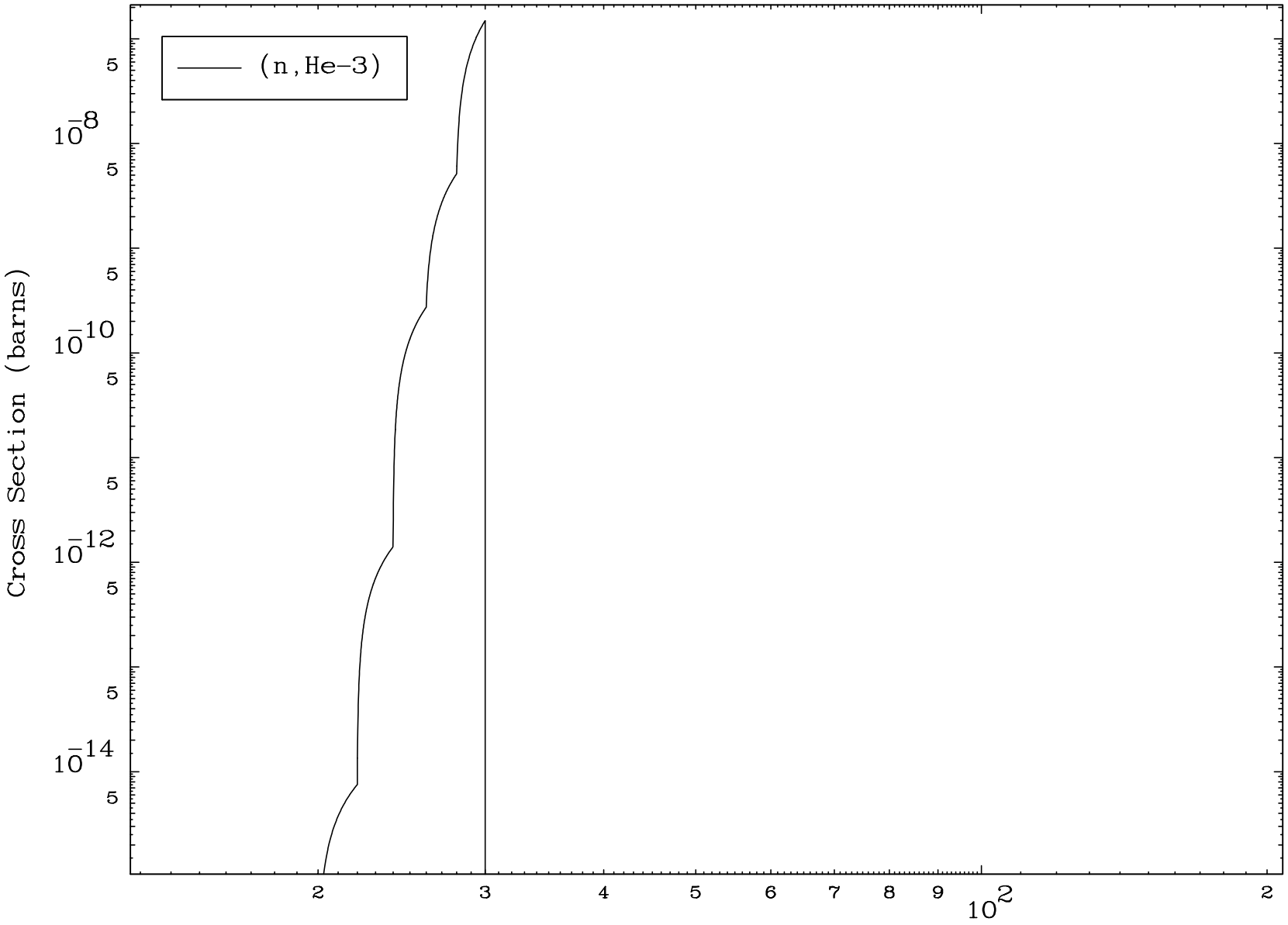

MAT 7801
(α,p) Levels
78-Pt-182
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
10 1
10 2
78-Pt-182

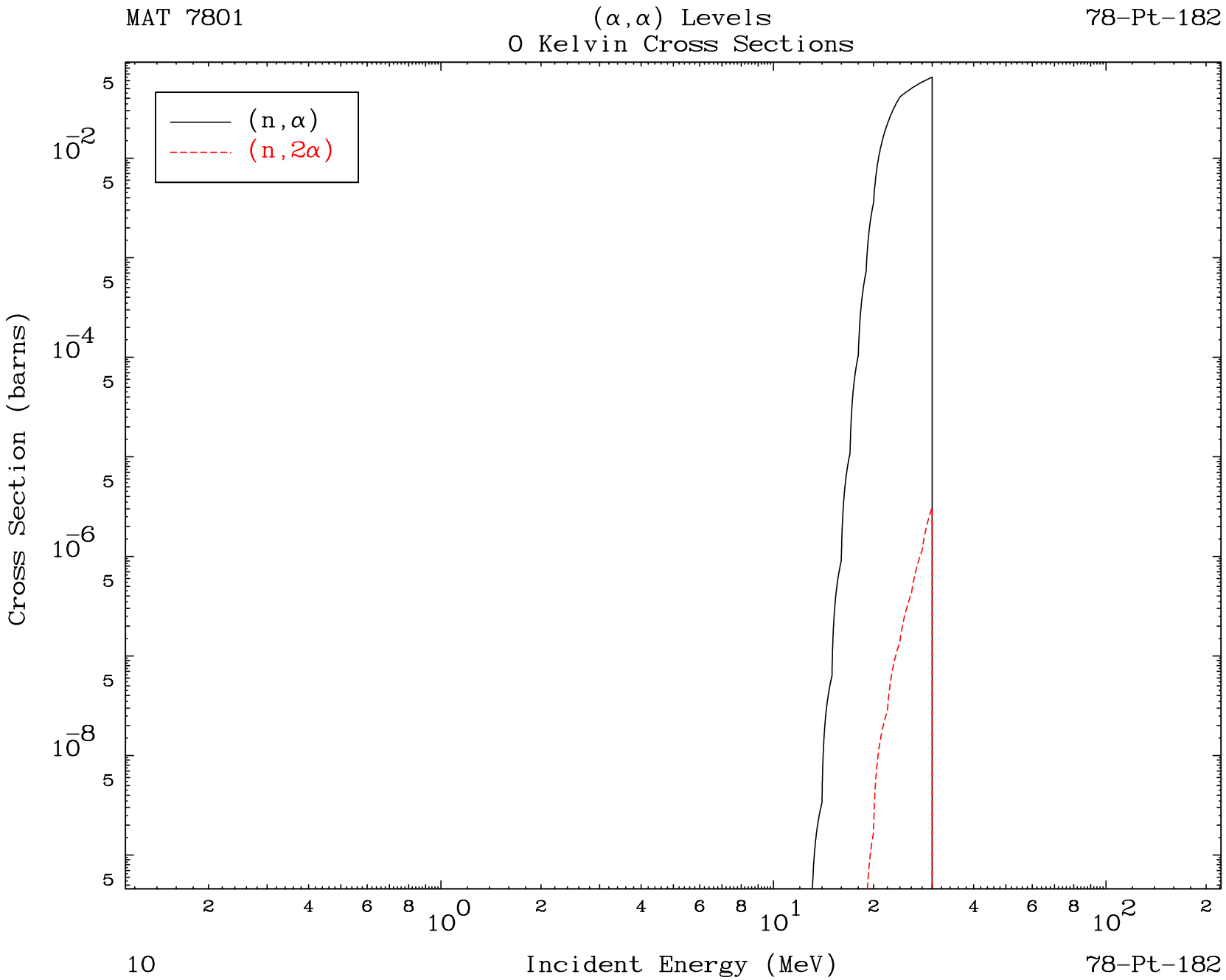

MAT 7801
(α,d) Levels
78-Pt-182
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
7
78-Pt-182

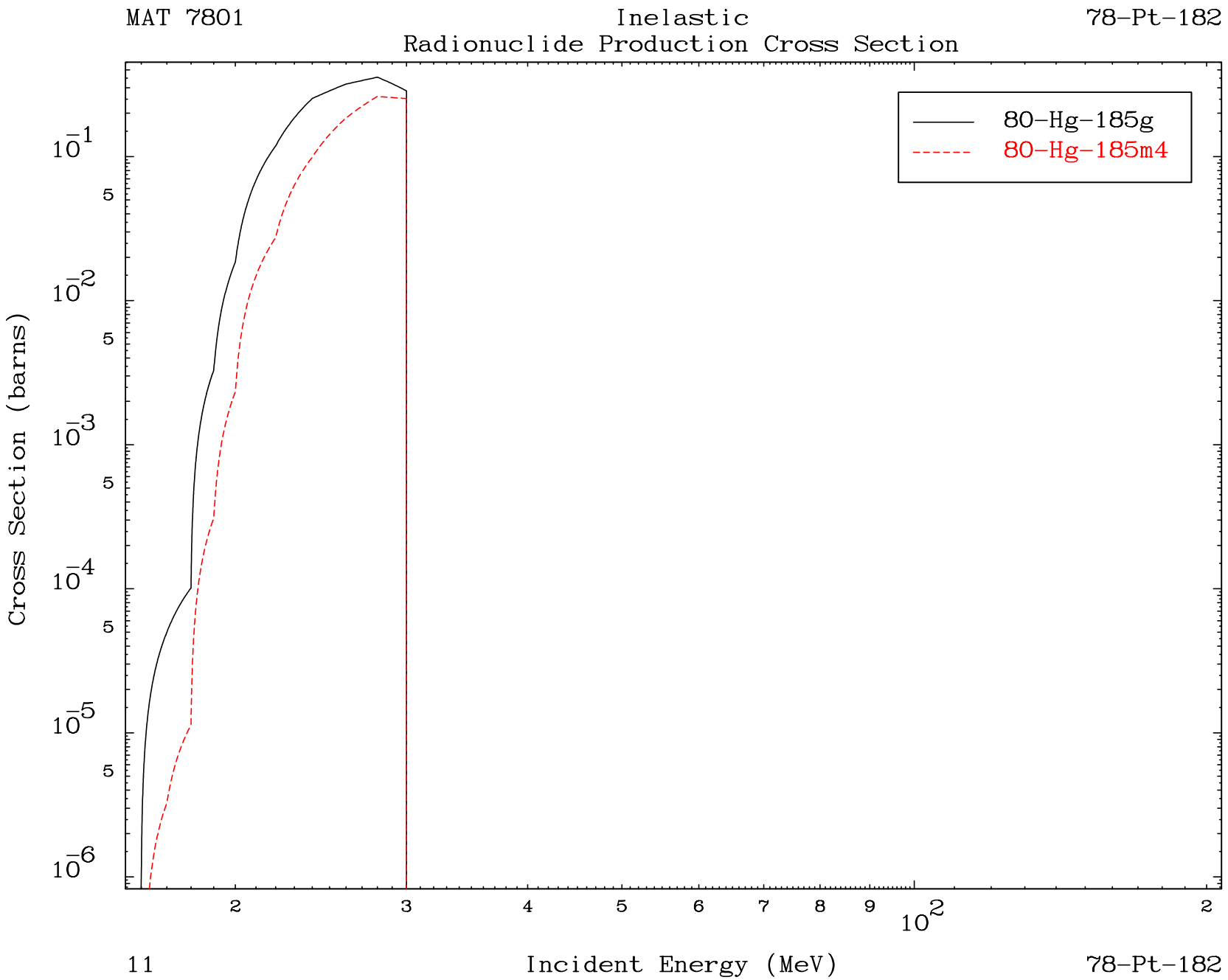
0 Kelvin Cross Sections

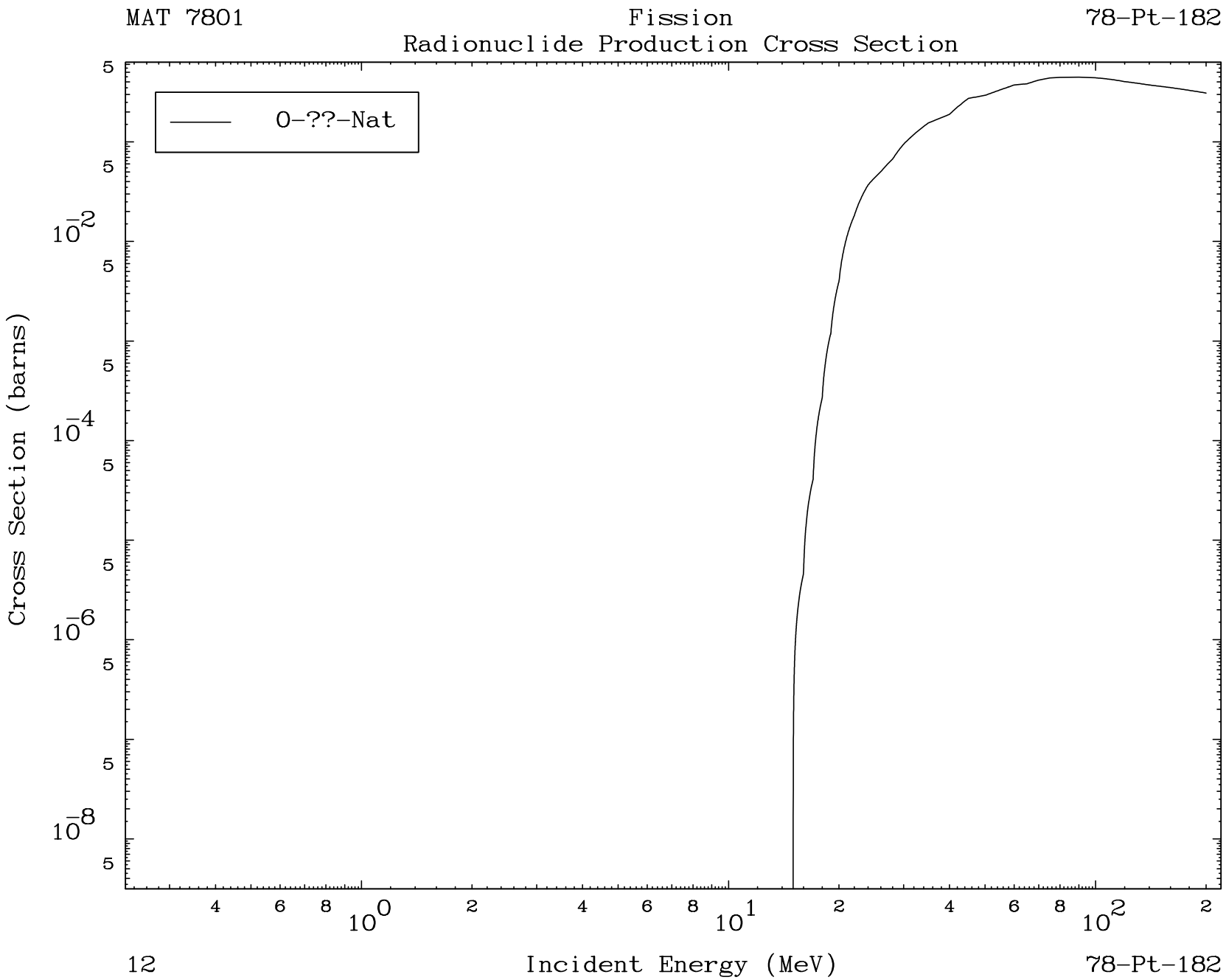


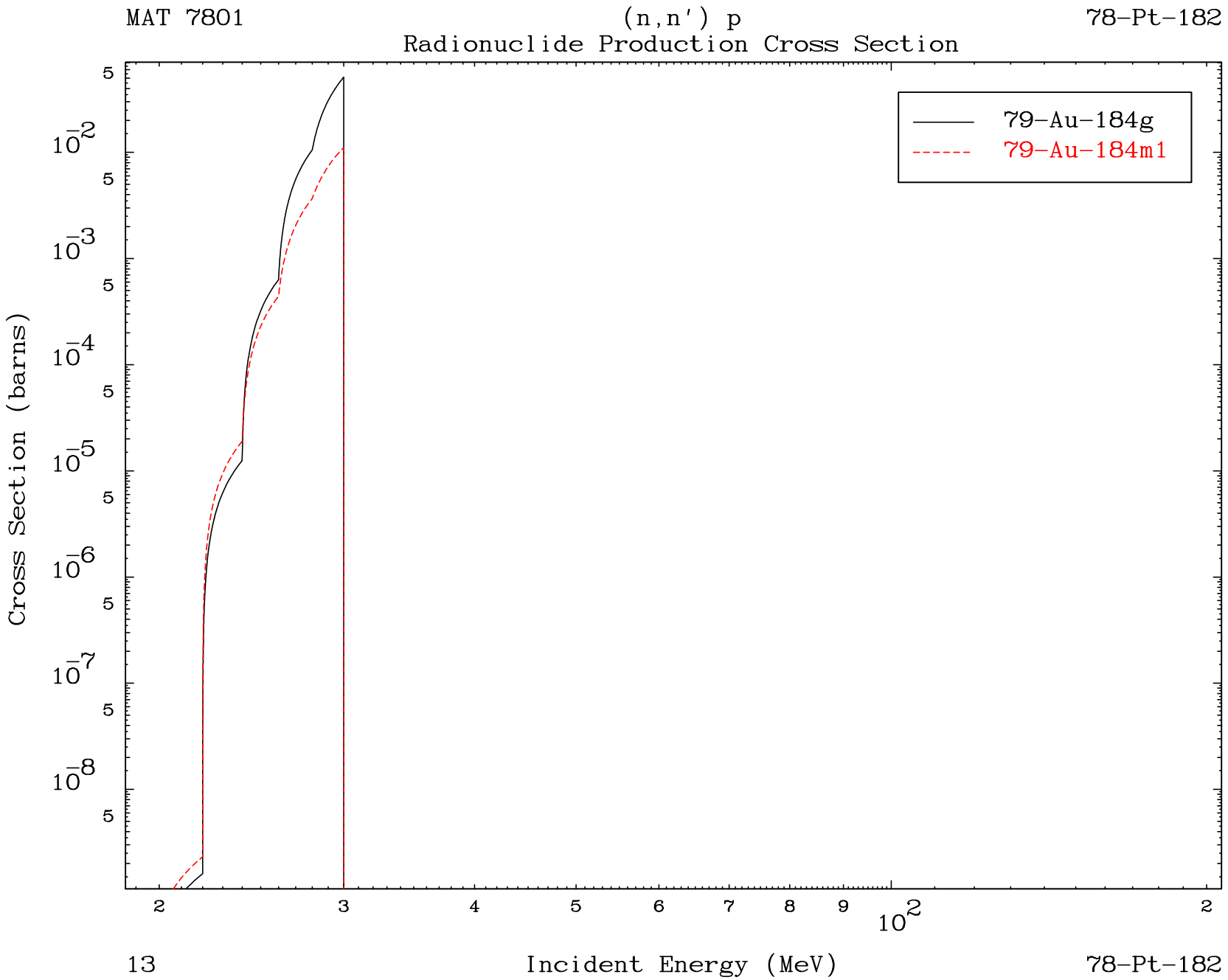
0 Kelvin Cross Sections

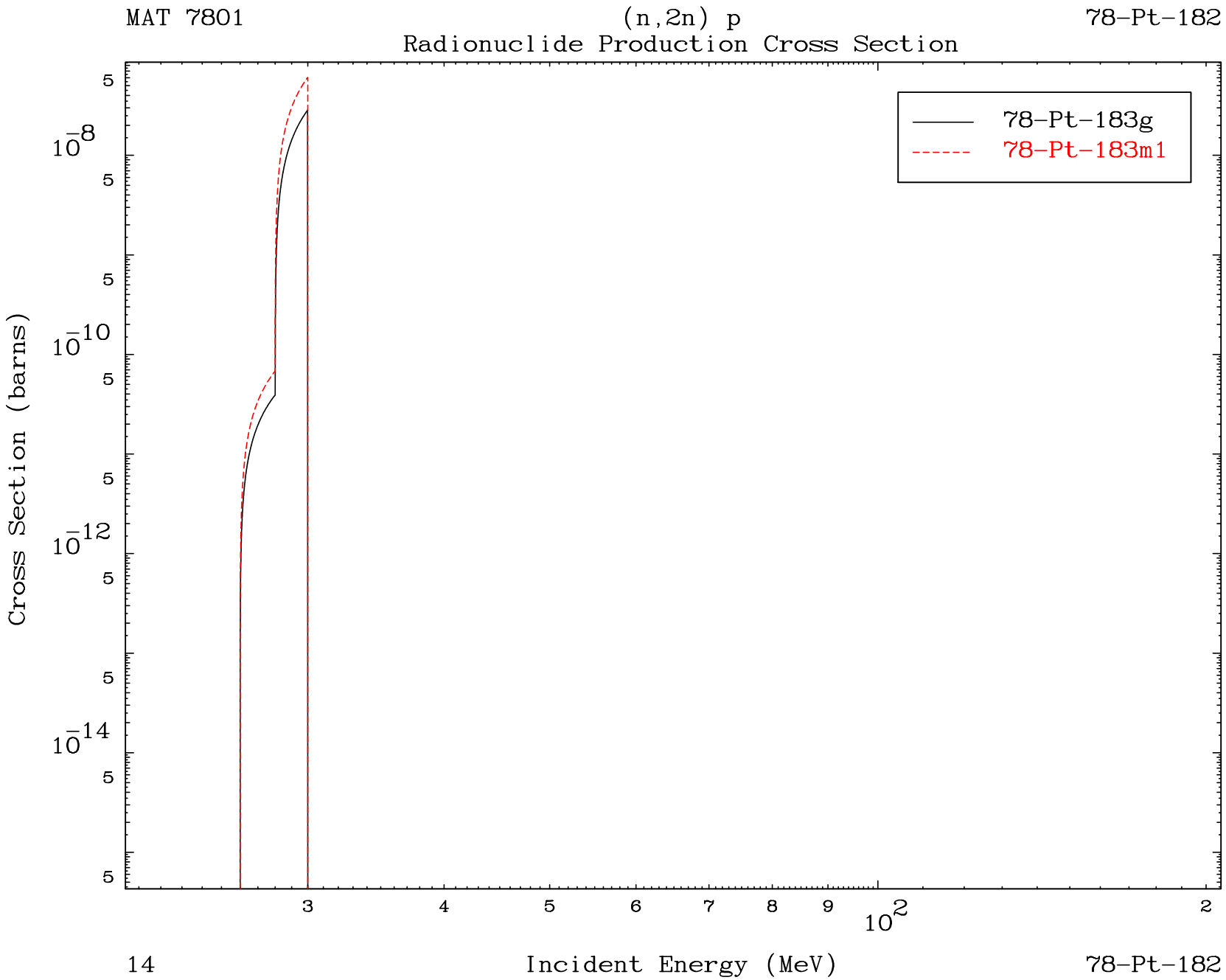


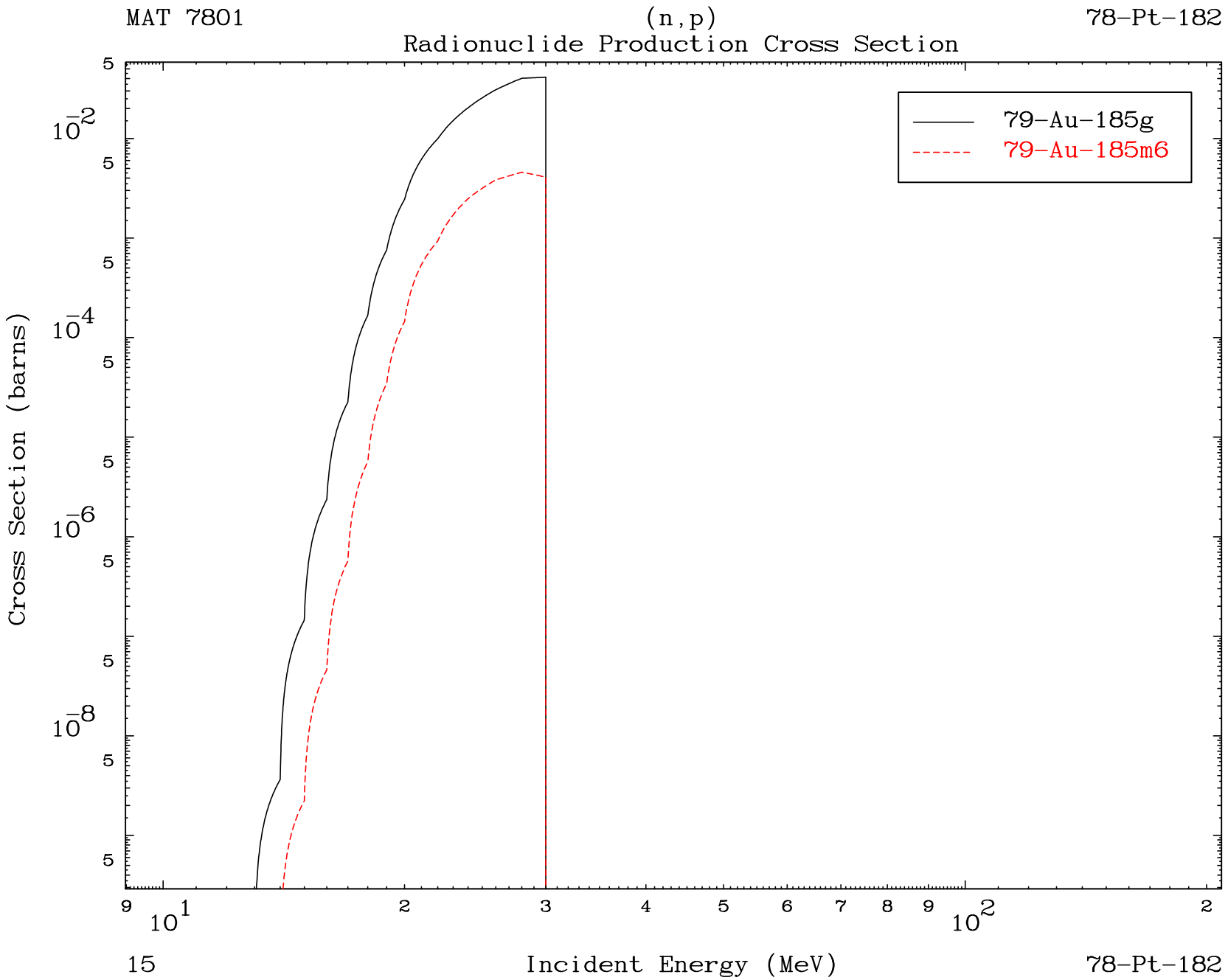

MAT 7801
(α,α) Levels
78-Pt-182
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
78-Pt-182

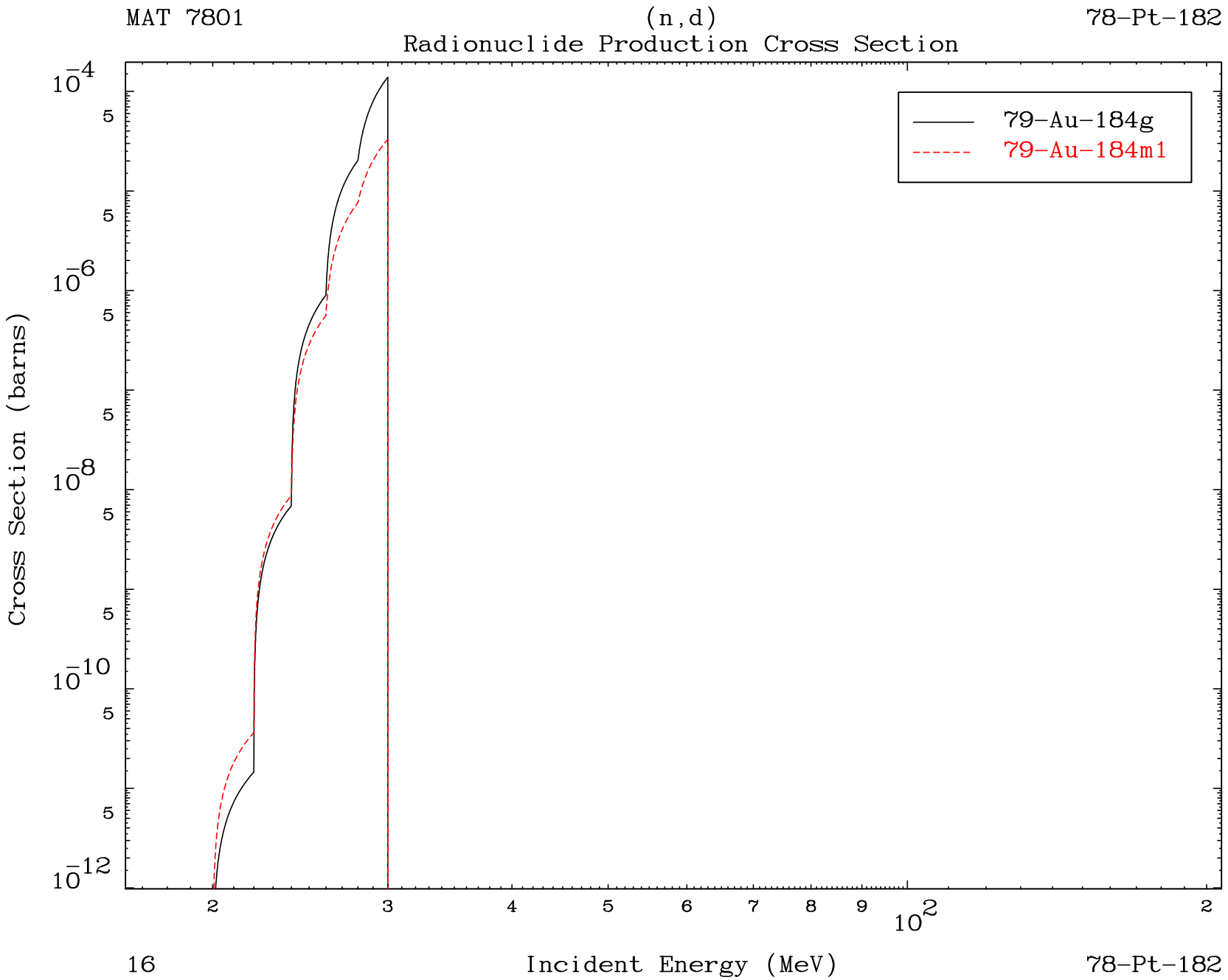

MAT 7801
Inelastic
78-Pt-182
Radionuclide Production Cross Section
80-Hg-185g
80-Hg-185m4
Cross Section (barns)
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
5
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
78-Pt-182

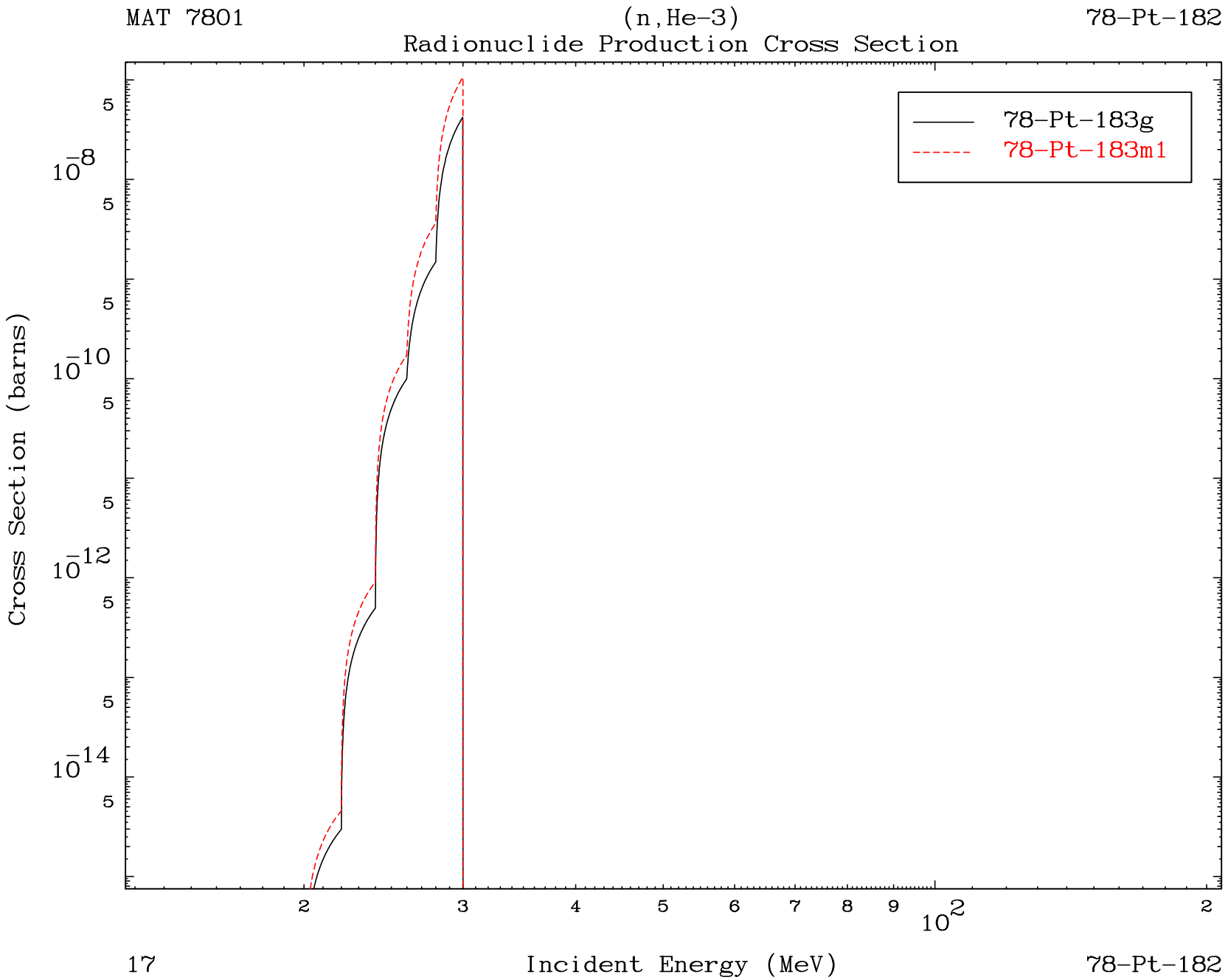

MAT 7801
Fission
78-Pt-182
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
78-Pt-182


MAT 7801
(n,n') p
78-Pt-182
Radionuclide Production Cross Section
79-Au-184g
79-Au-184m1
Cross Section (barns)
Incident Energy (MeV)
13
78-Pt-182


MAT 7801
(n,2n) p
78-Pt-182
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
14
78-Pt-182


MAT 7801
(n,p)
78-Pt-182
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
Incident Energy (MeV)
78-Pt-182
15


MAT 7801
(n,d)
78-Pt-182
Radionuclide Production Cross Section
79-Au-184g
79-Au-184m1
Cross Section (barns)
Incident Energy (MeV)
16
78-Pt-182


MAT 7801
(n,He-3)
78-Pt-182
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
78-Pt-182