Program EVALPLOT
(Version 2018-1)
by
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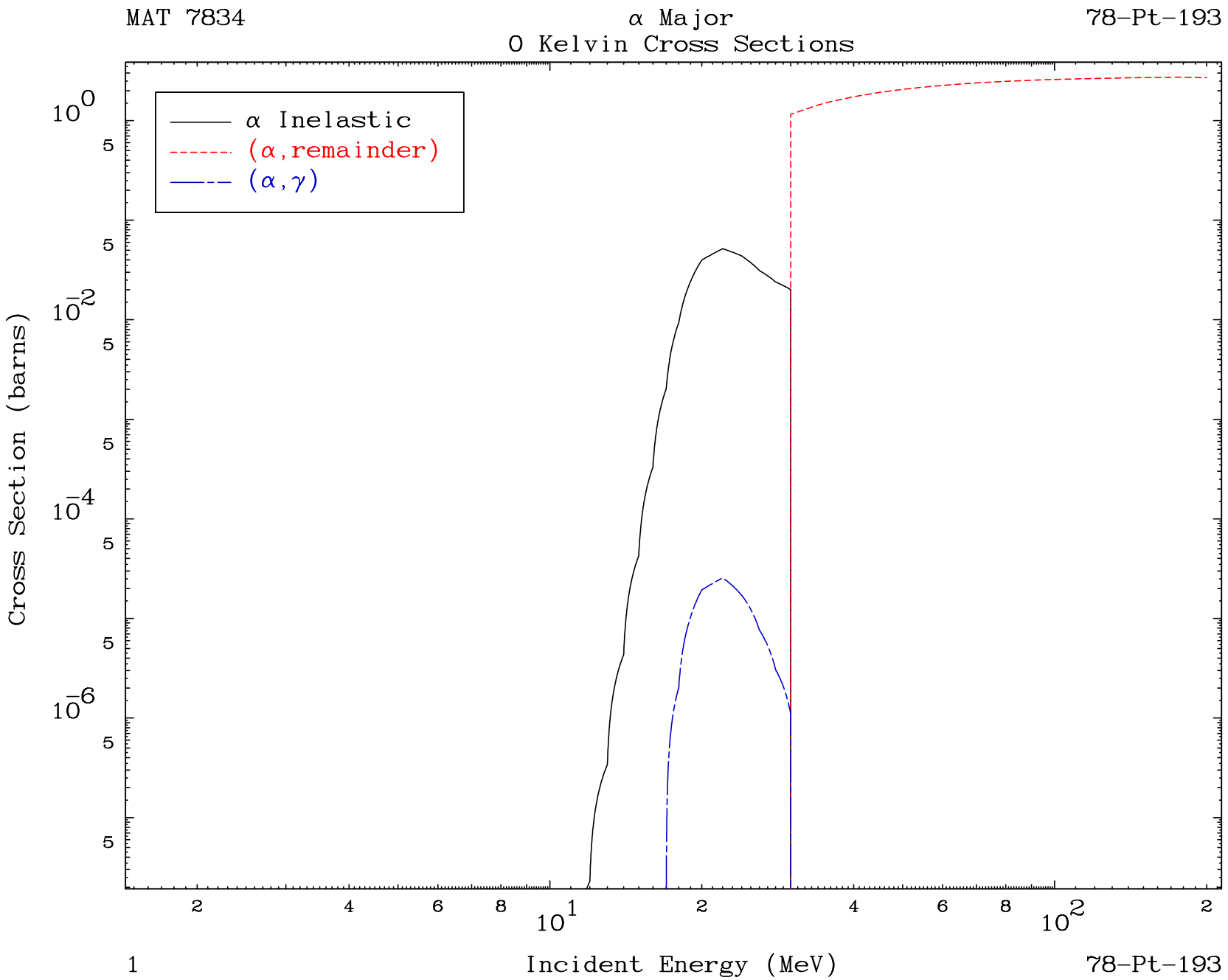
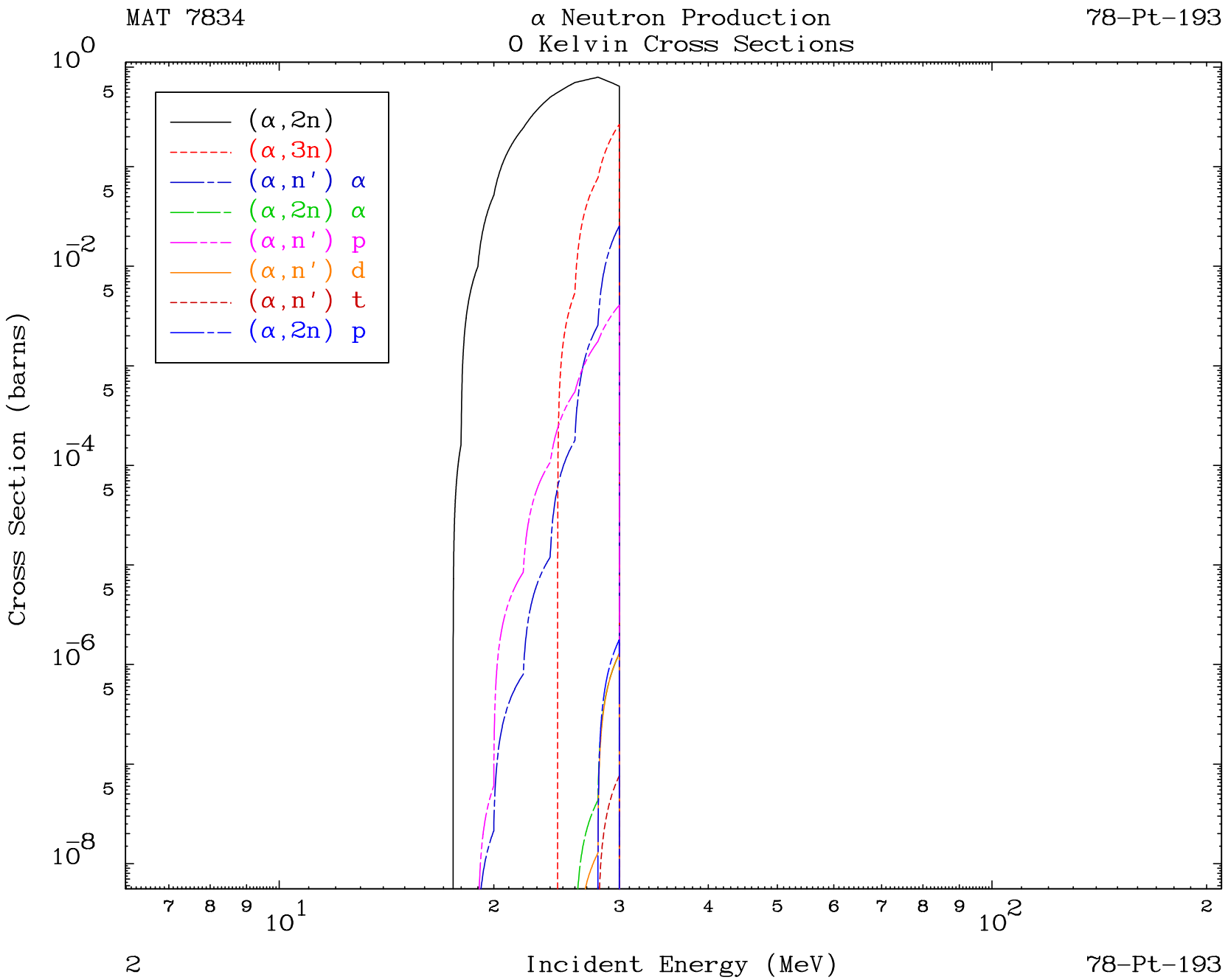
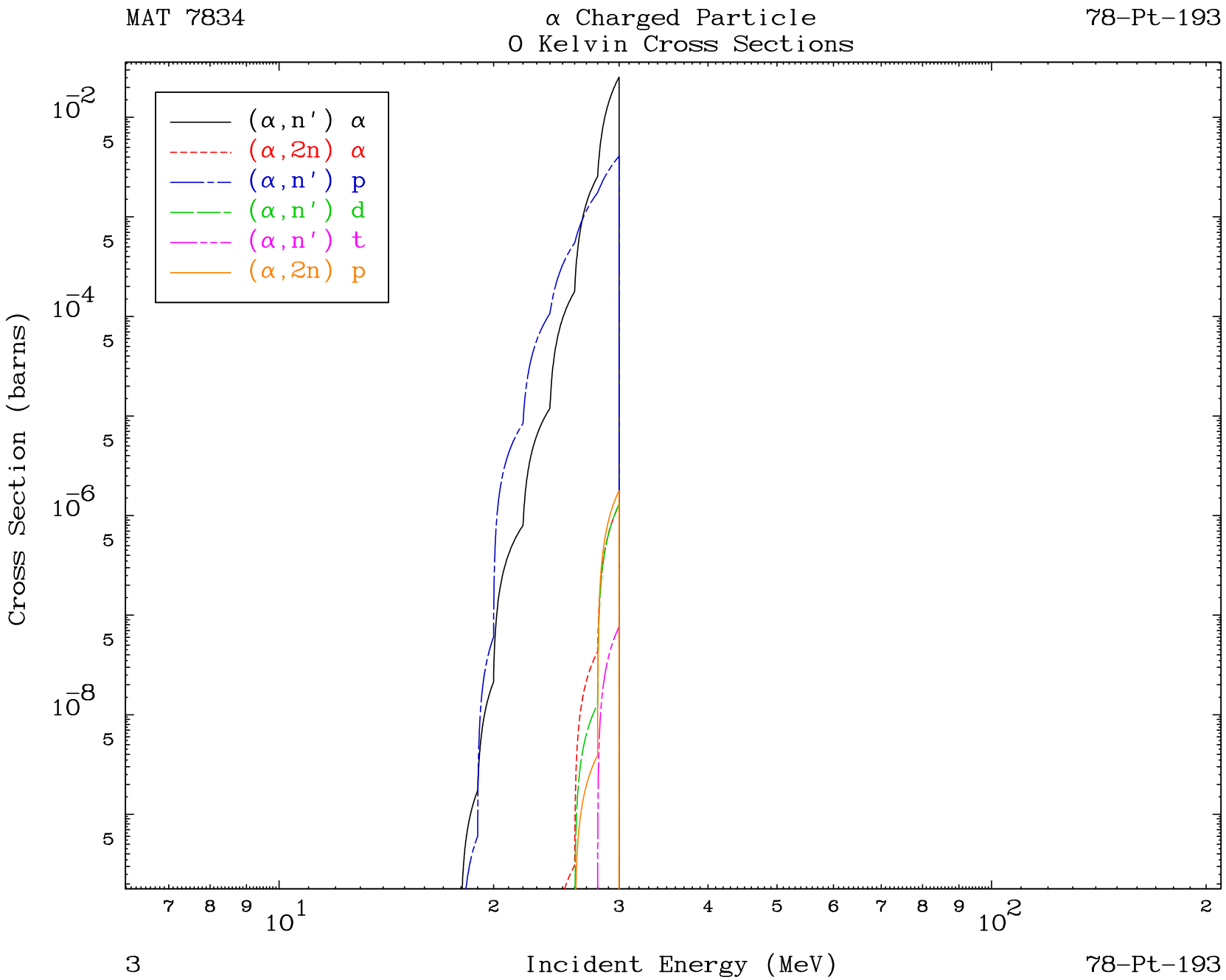
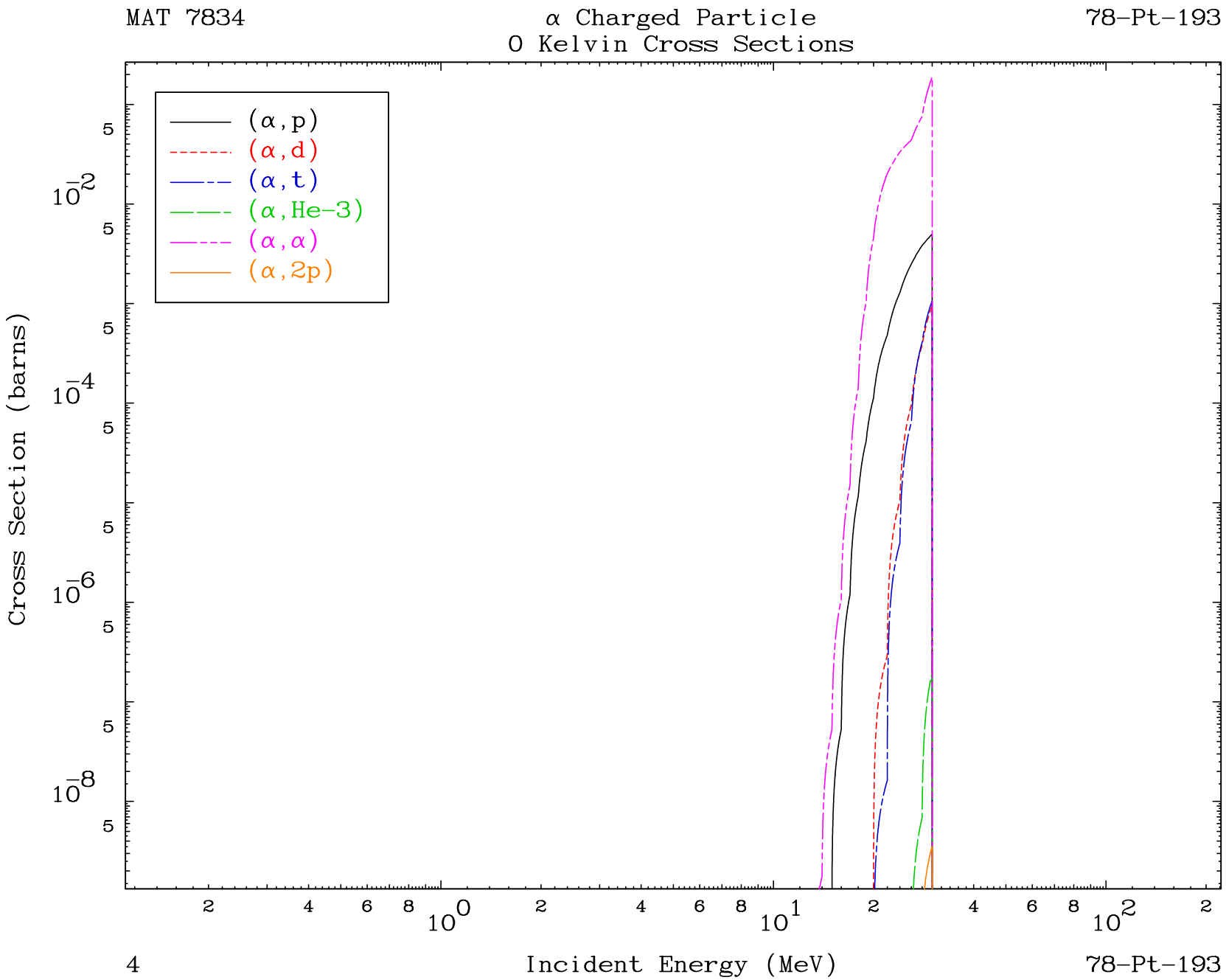
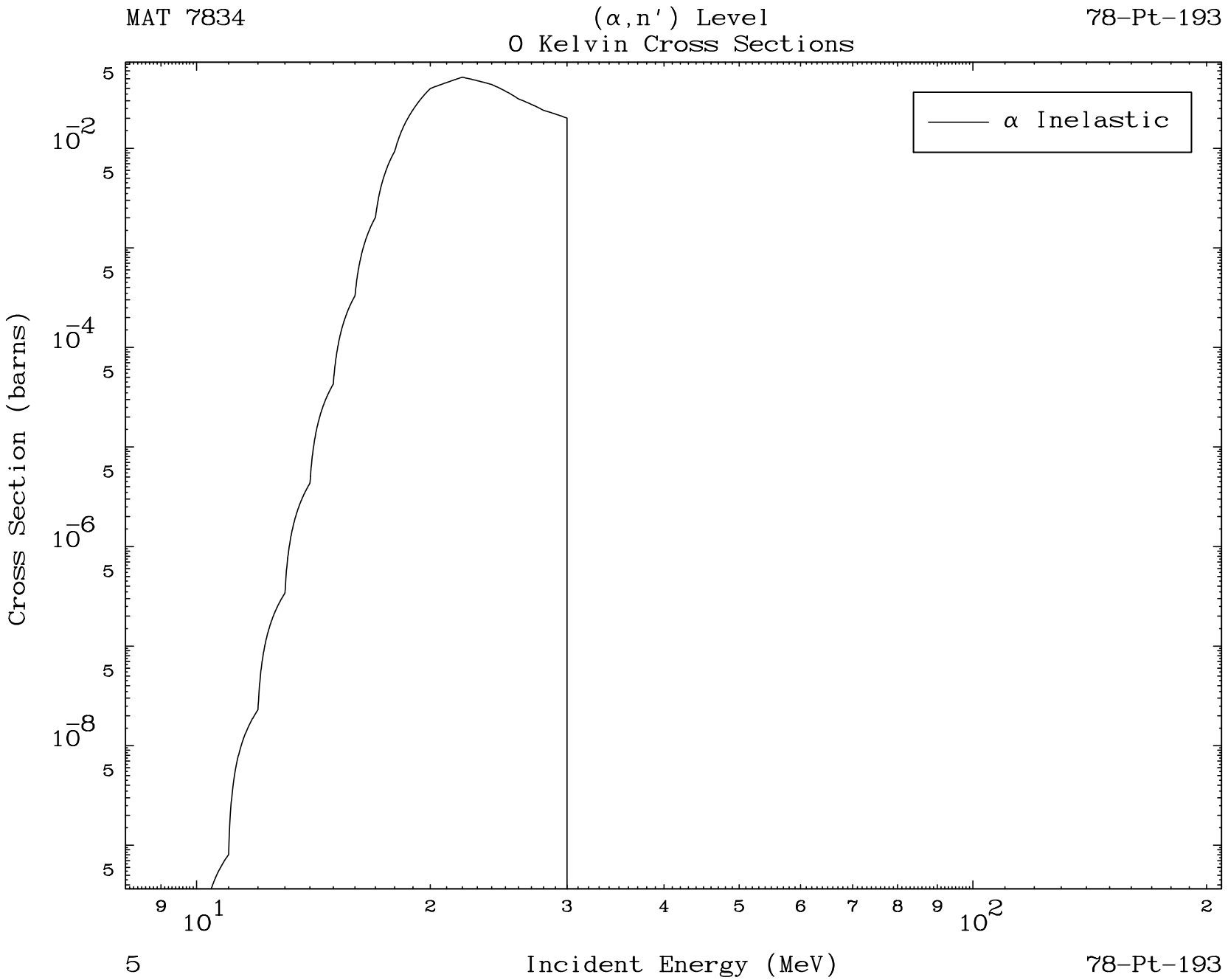
Press Mouse Button to Start

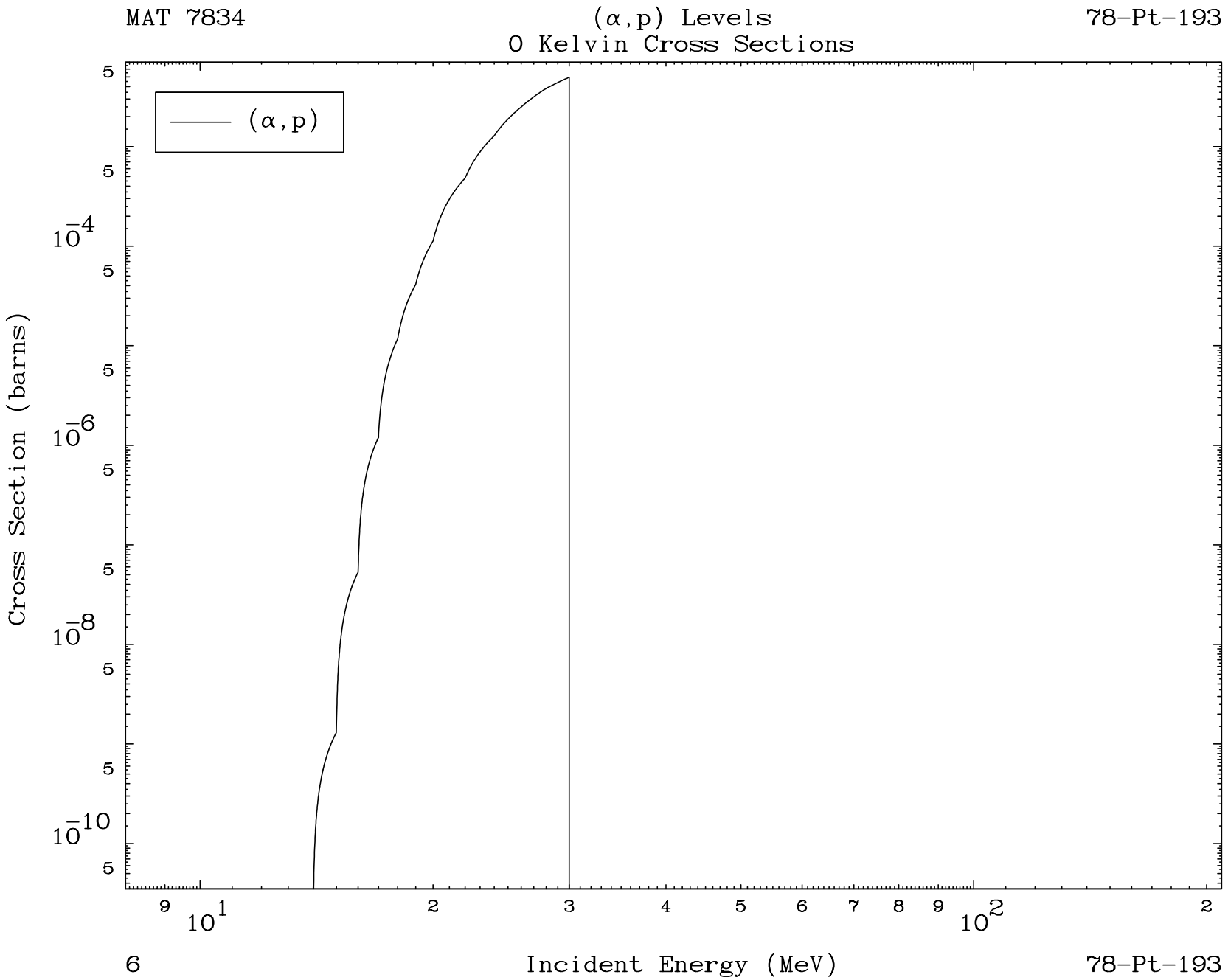

MAT 7834
α Major
78-Pt-193
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
78-Pt-193

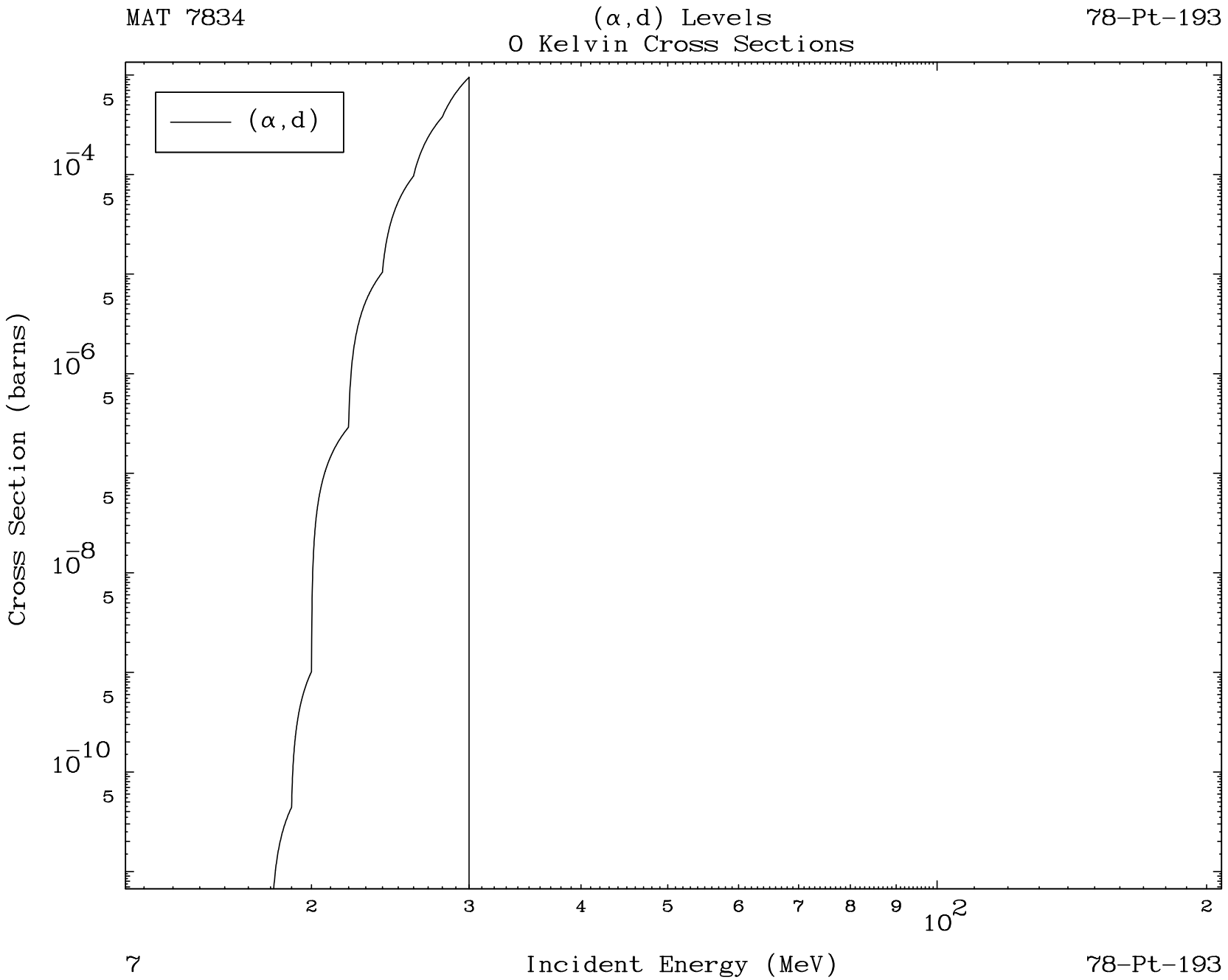

MAT 7834
α Neutron Production
0 Kelvin Cross Sections
78-Pt-193
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
78-Pt-193
2


MAT 7834
α Charged Particle
0 Kelvin Cross Sections
78-Pt-193
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
3
78-Pt-193

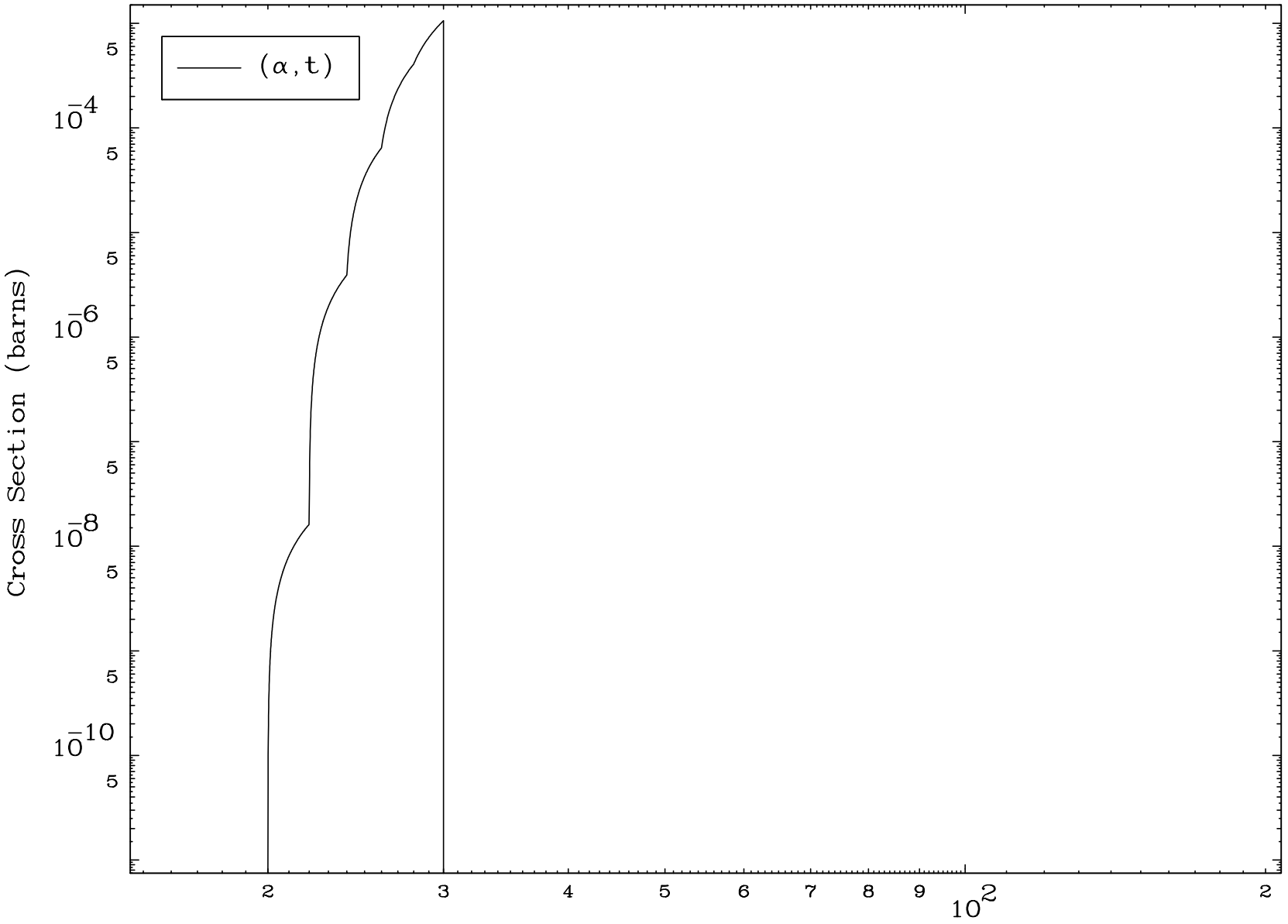

MAT 7834
α Charged Particle
0 Kelvin Cross Sections
78-Pt-193
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2p)
Cross Section (barns)
Incident Energy (MeV)
4
78-Pt-193


MAT 7834
(α,n') Level
78-Pt-193
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
78-Pt-193

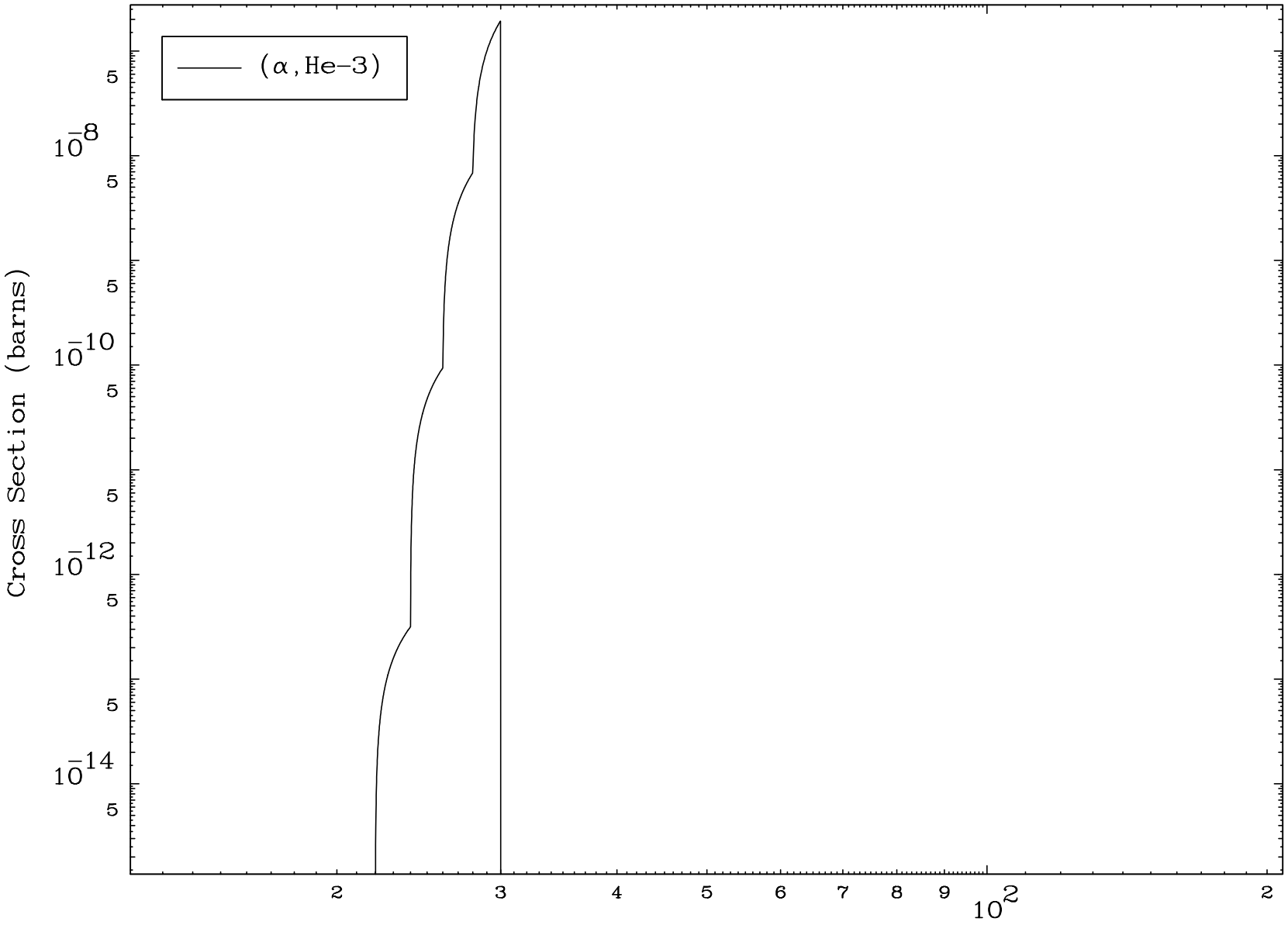

MAT 7834
(α,p) Levels
78-Pt-193
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
78-Pt-193

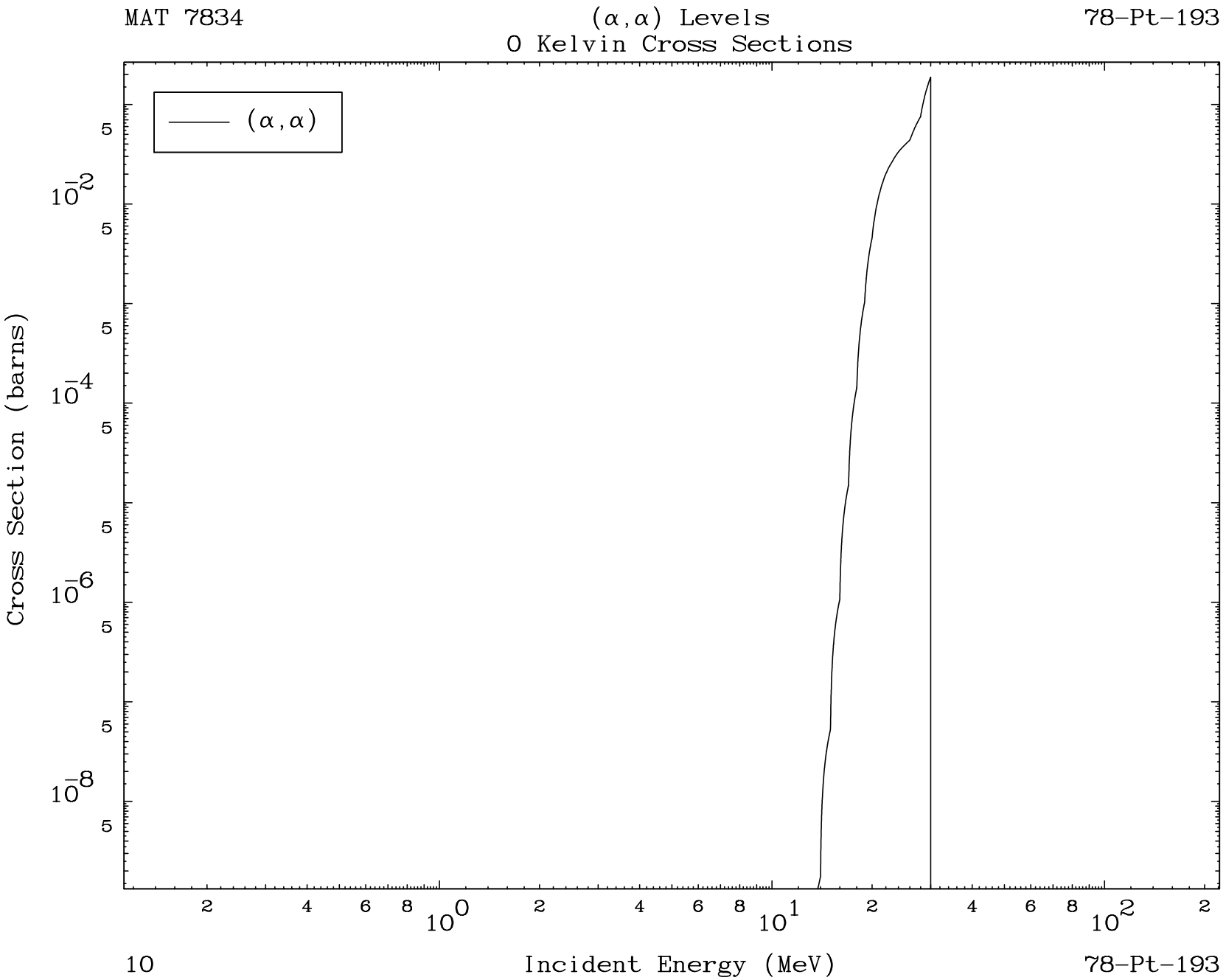

MAT 7834
(α,d) Levels
78-Pt-193
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
78-Pt-193

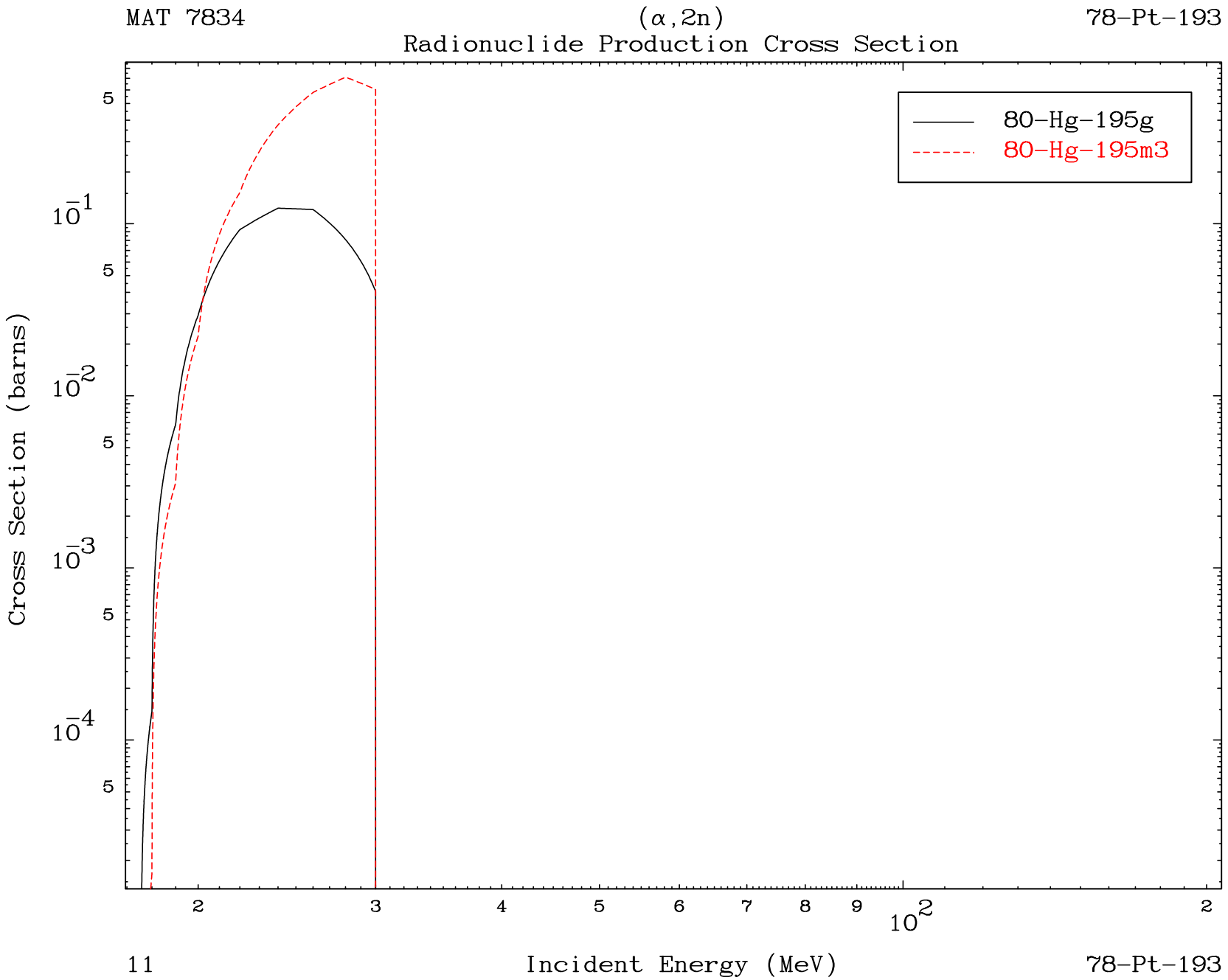
0 Kelvin Cross Sections

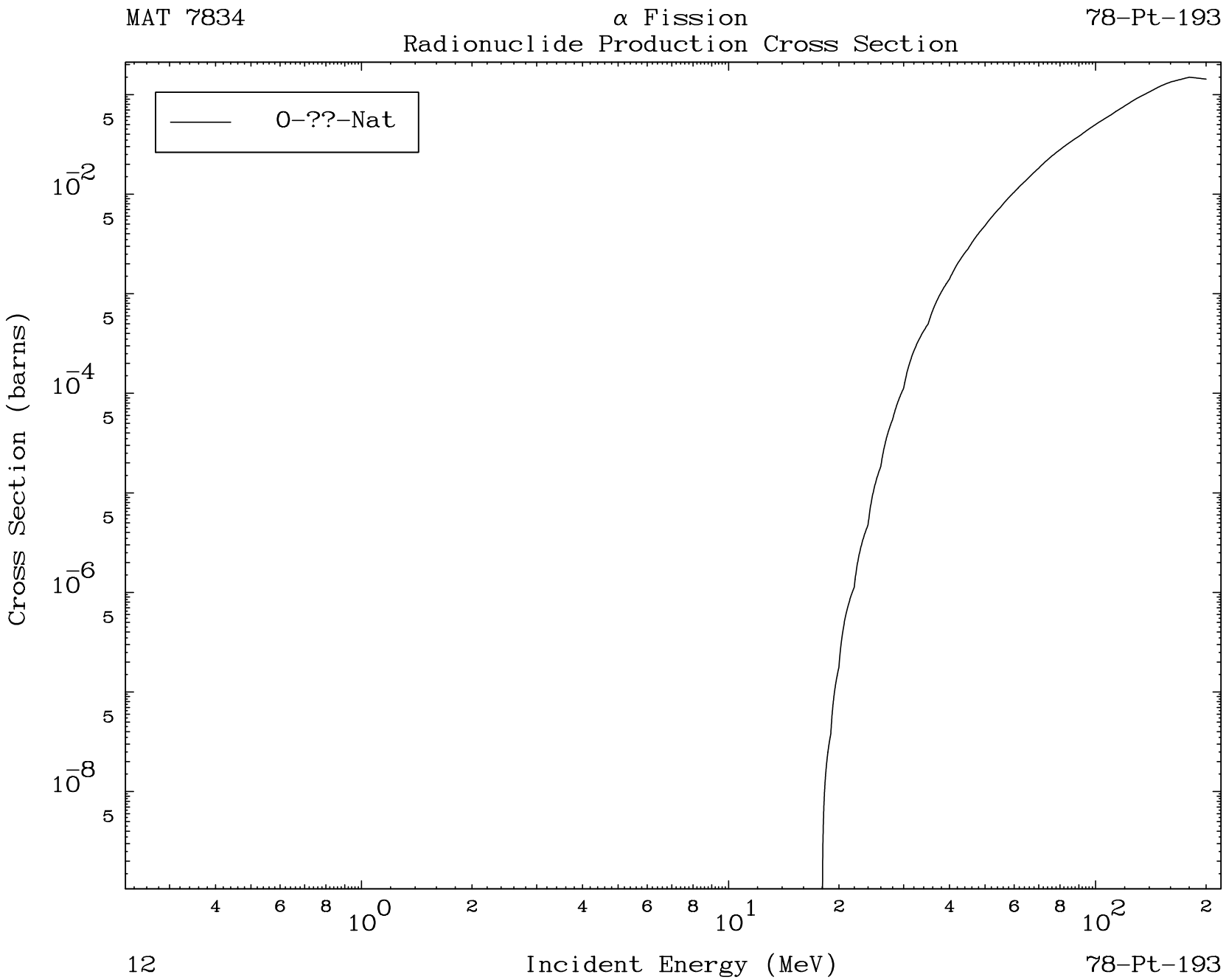


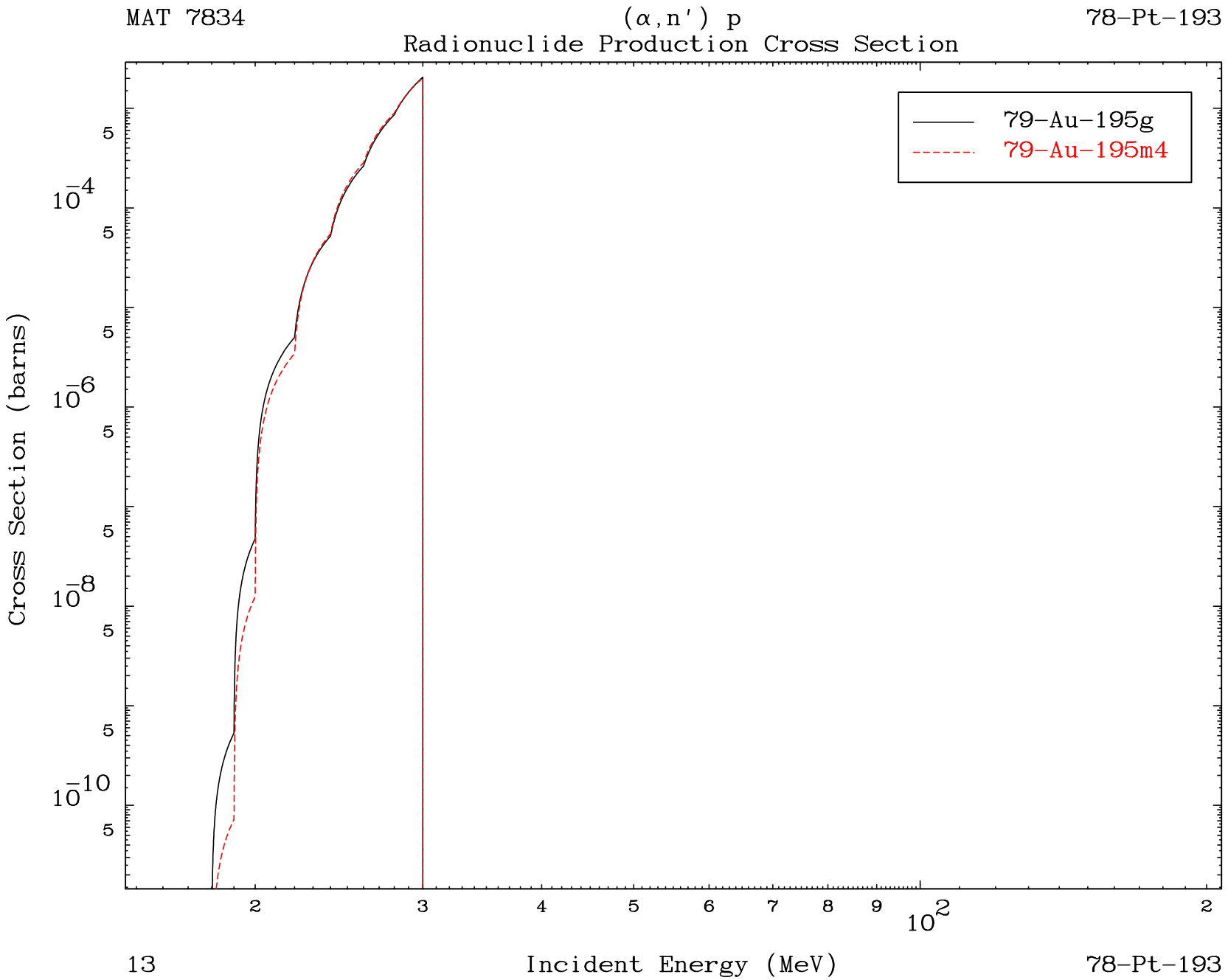
0 Kelvin Cross Sections

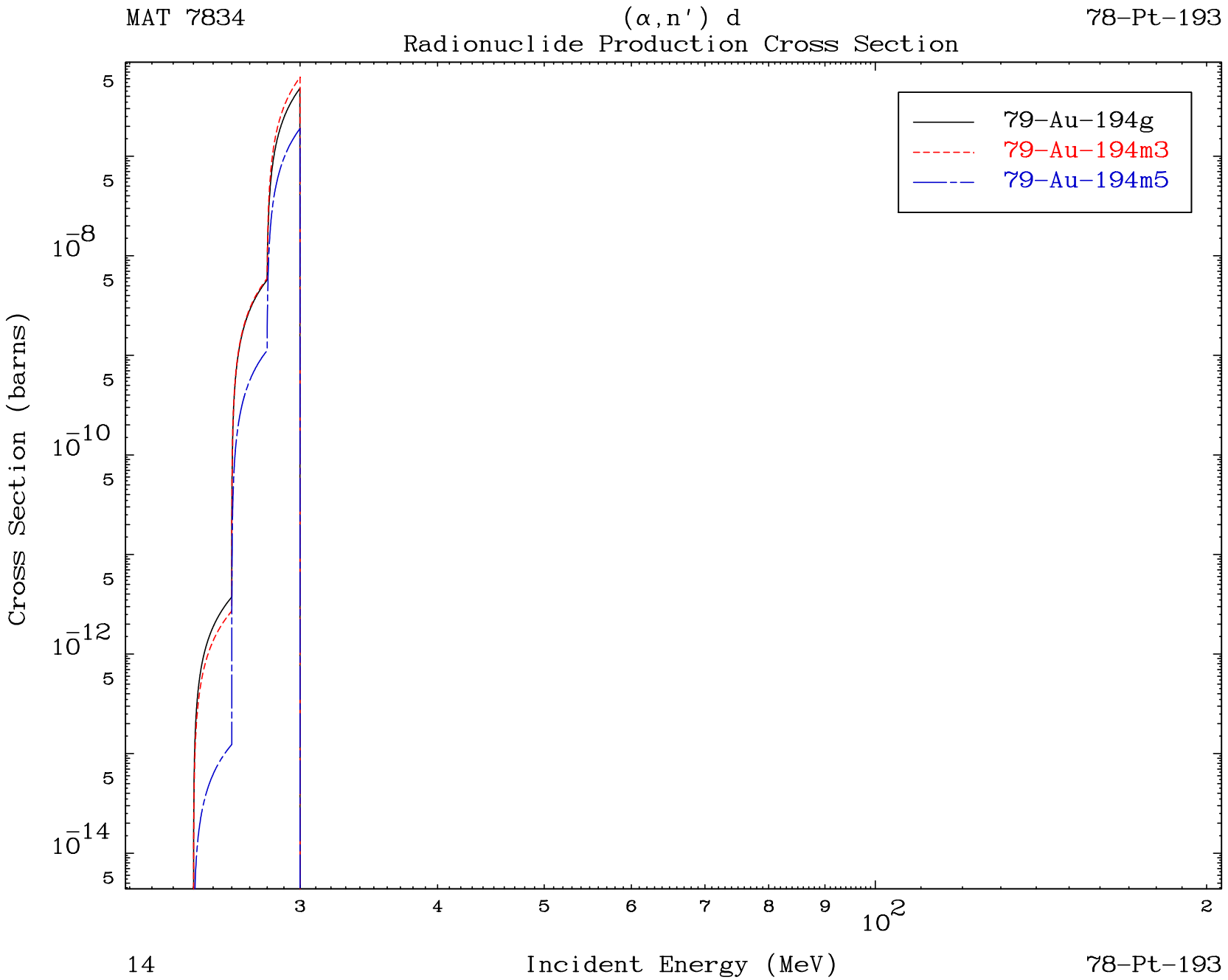


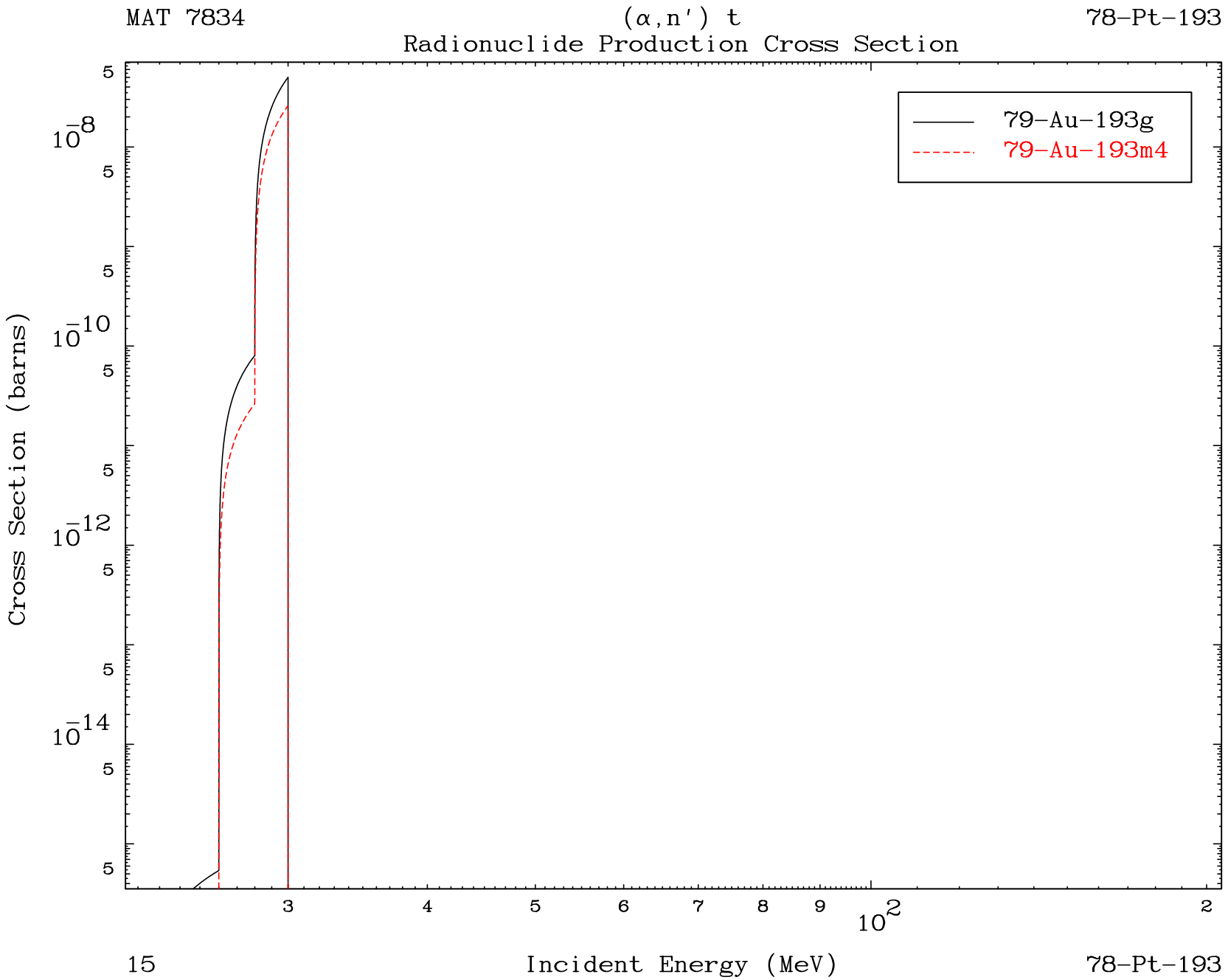

MAT 7834
(α,α) Levels
78-Pt-193
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
78-Pt-193

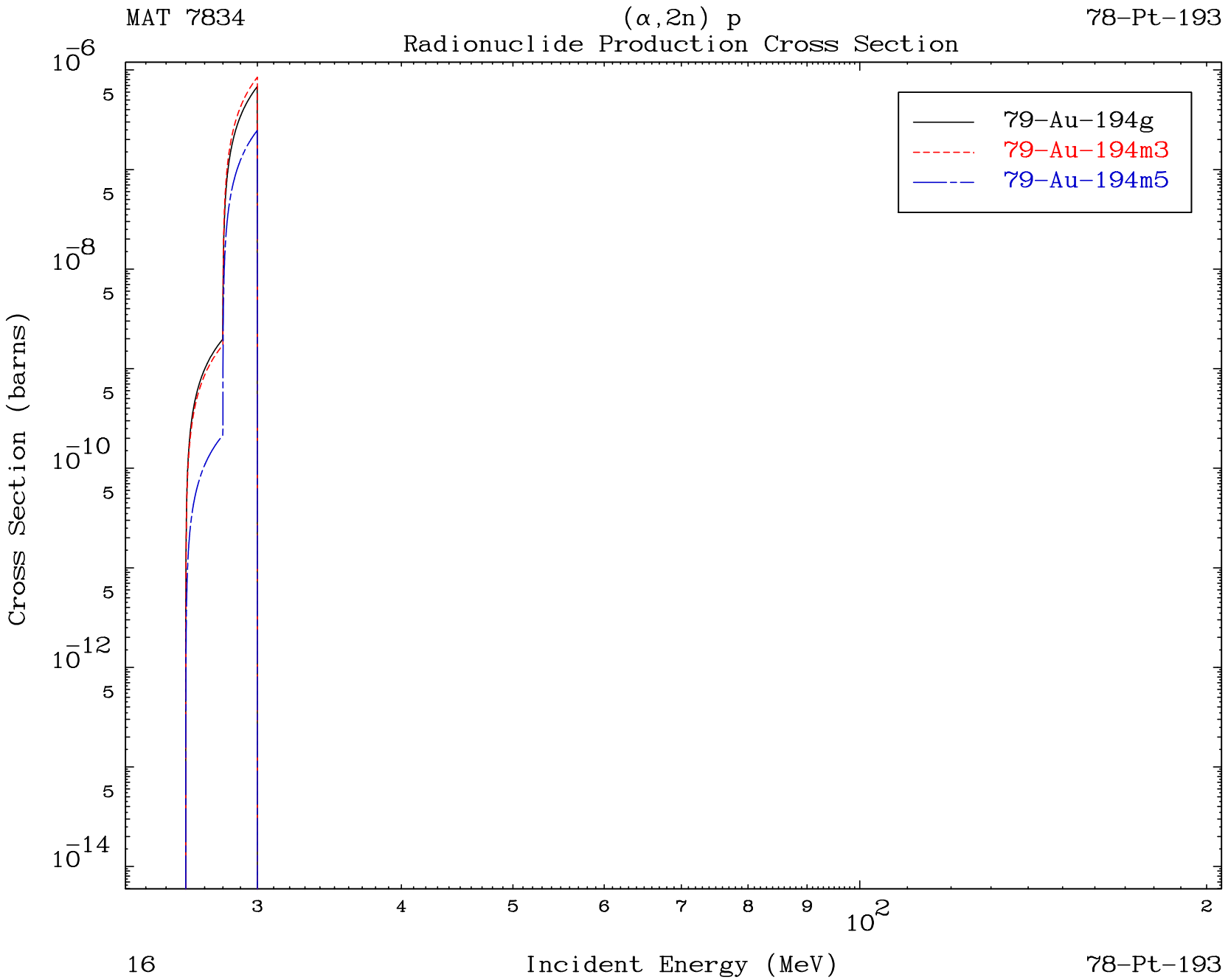

MAT 7834
(α,2n)
78-Pt-193
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
10-1
10-2
10-3
10-4
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
78-Pt-193

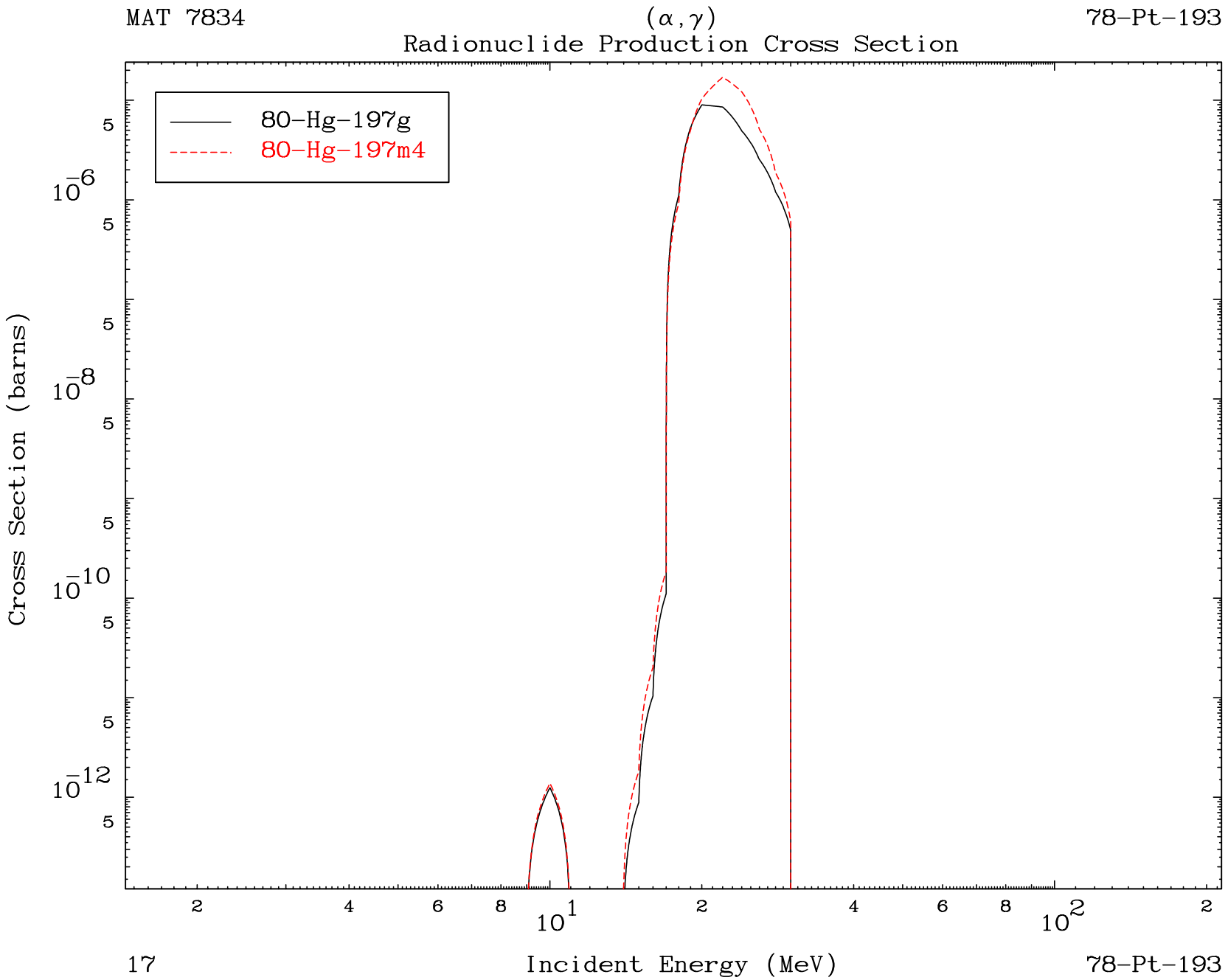

MAT 7834
α Fission
78-Pt-193
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
12
78-Pt-193

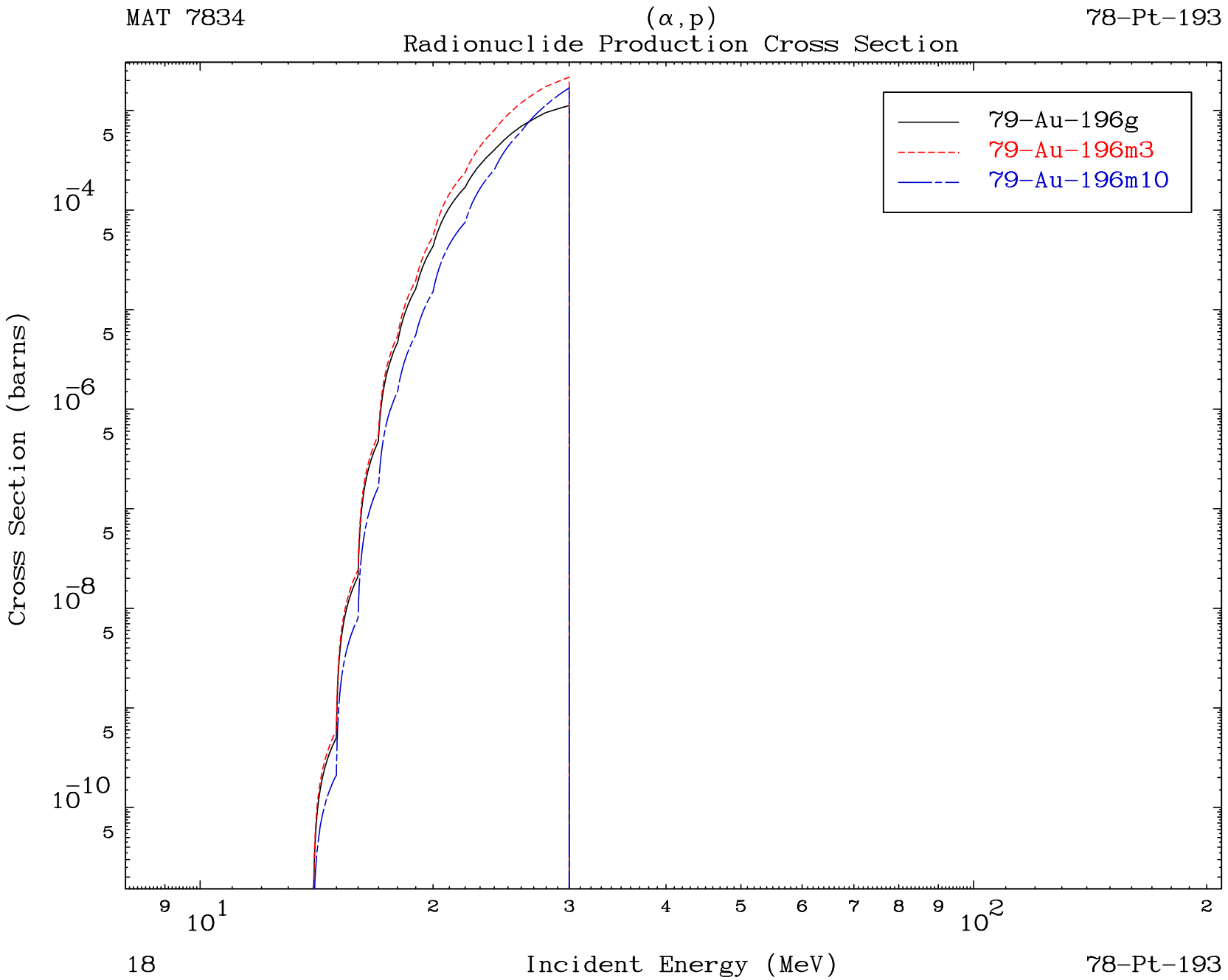

MAT 7834
(α,n') p
78-Pt-193
Radionuclide Production Cross Section
79-Au-195g
79-Au-195m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
78-Pt-193

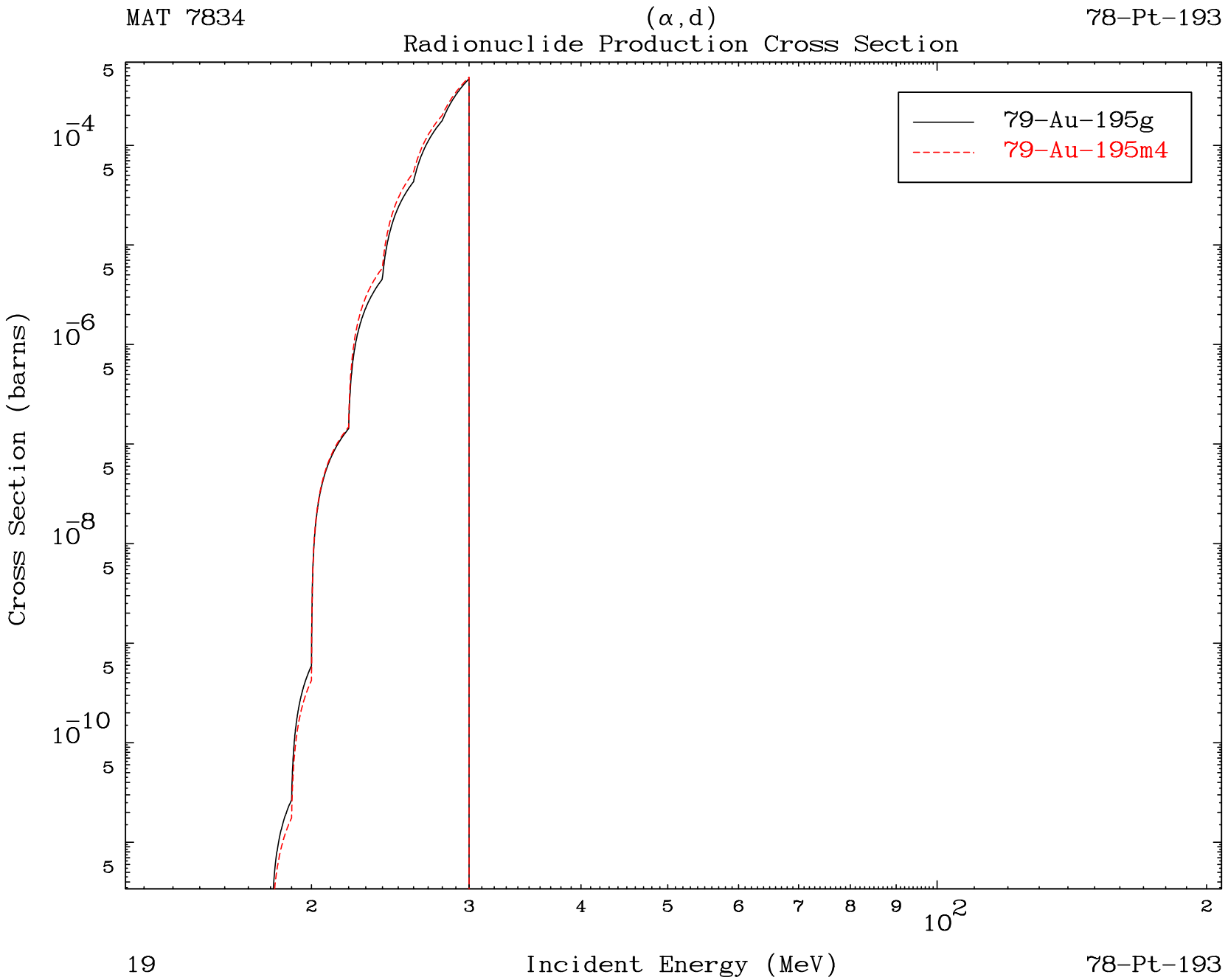

MAT 7834
(α,n') d
78-Pt-193
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m5
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
78-Pt-193

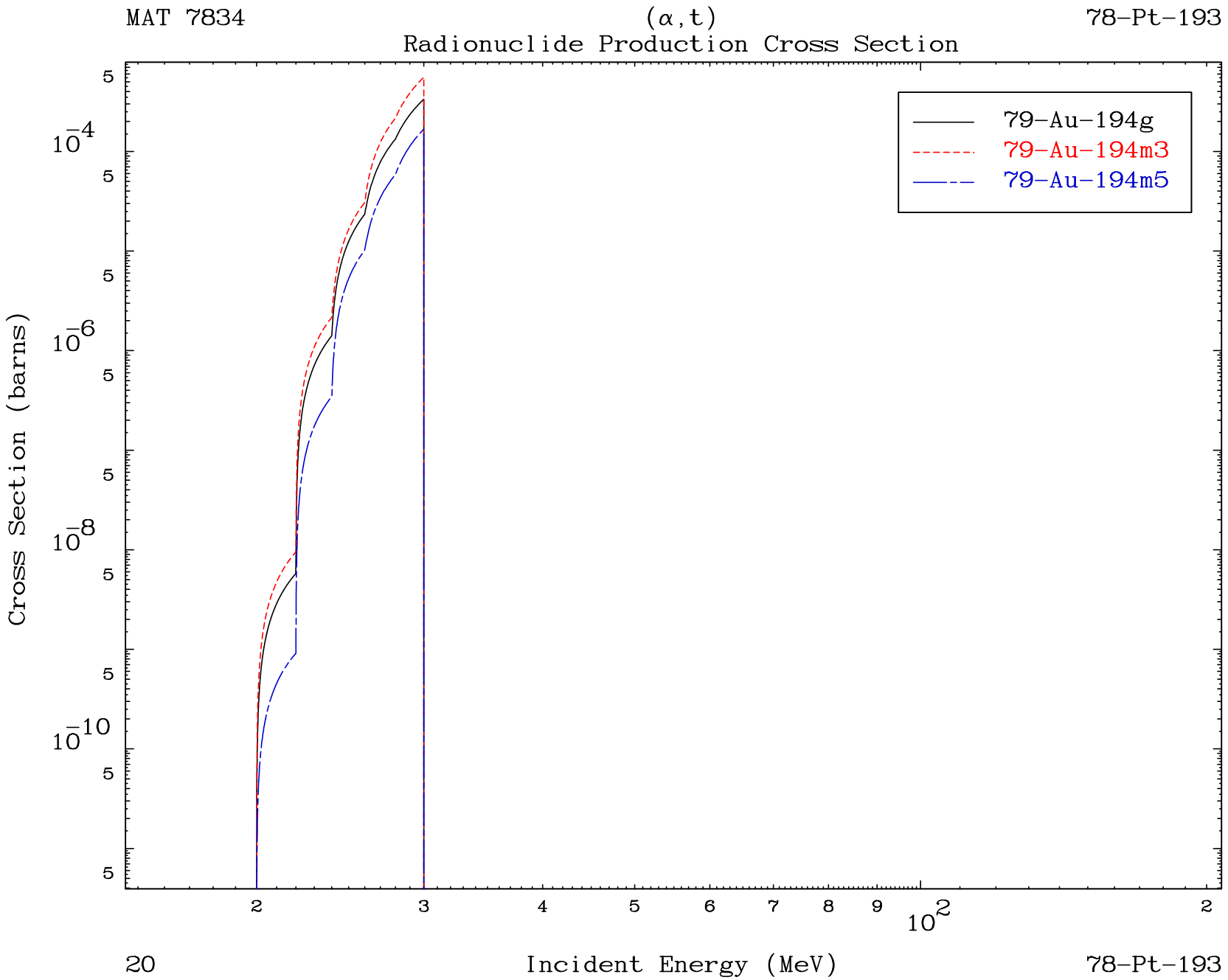

MAT 7834
(α,n') t
78-Pt-193
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
78-Pt-193

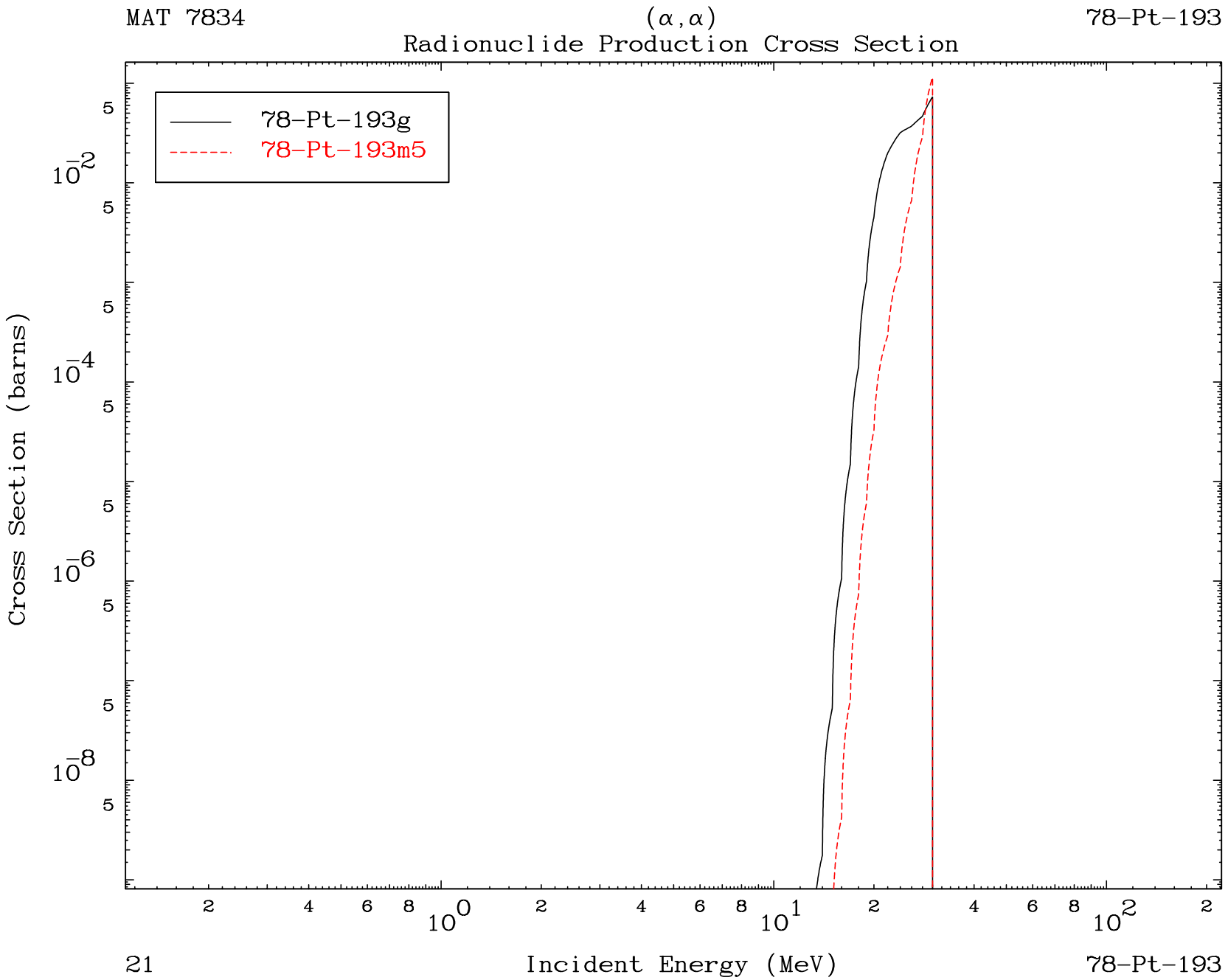

MAT 7834
(α,2n) p
78-Pt-193
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m5
Cross Section (barns)
Incident Energy (MeV)
16
78-Pt-193

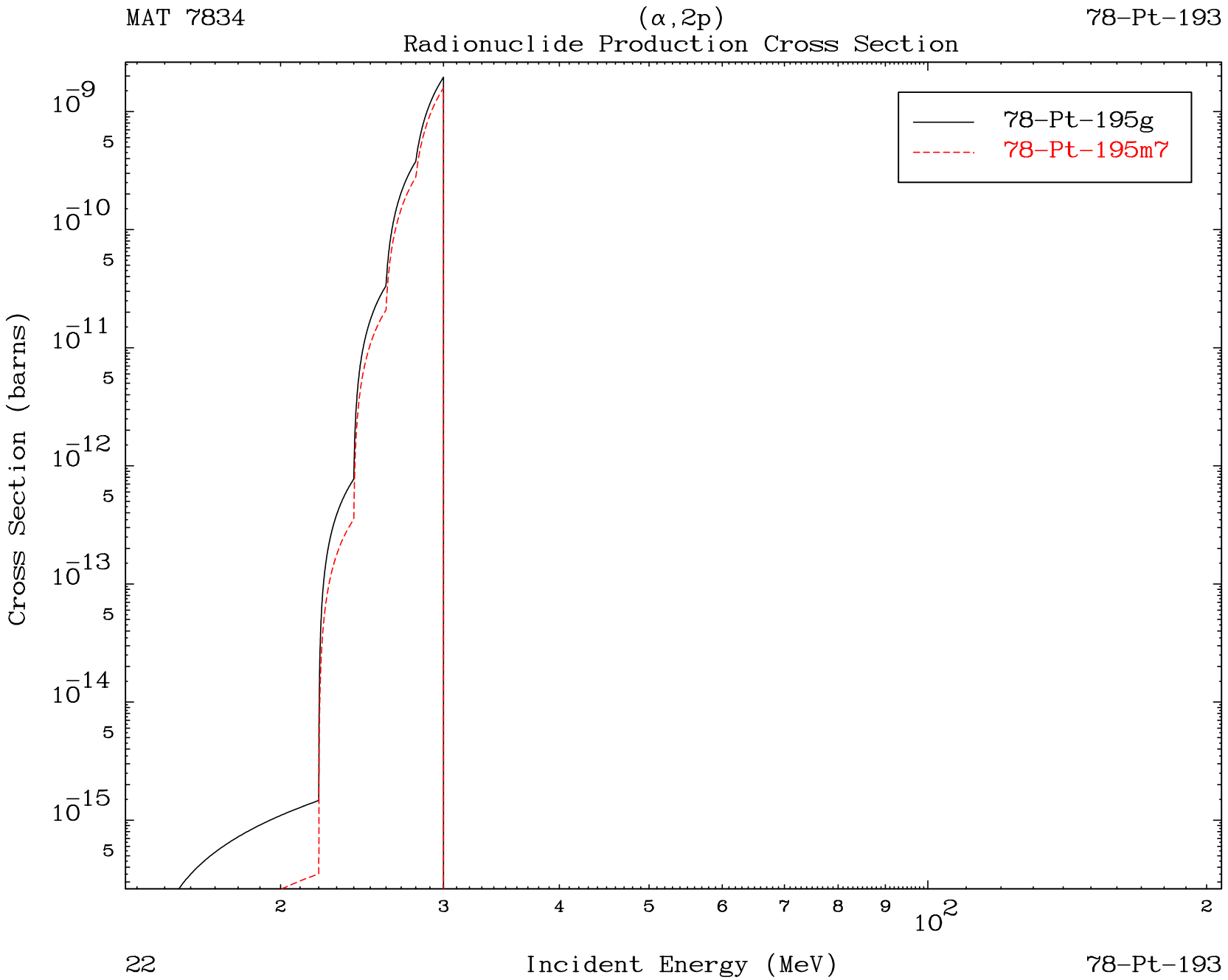

MAT 7834
(α,γ)
78-Pt-193
Radionuclide Production Cross Section
80-Hg-197g
80-Hg-197m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
4
6
8
10^1
10^2
17
Incident Energy (MeV)
78-Pt-193


MAT 7834
(α,p)
78-Pt-193
Radionuclide Production Cross Section
79-Au-196g
79-Au-196m3
79-Au-196m10
Cross Section (barns)
10-4
10-6
10-8
10-10
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
78-Pt-193


MAT 7834
(α,d)
78-Pt-193
Radionuclide Production Cross Section
79-Au-195g
79-Au-195m4
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
19
78-Pt-193


MAT 7834
(α,t)
78-Pt-193
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m5
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
20
78-Pt-193


MAT 7834
(α,α)
78-Pt-193
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
21
Incident Energy (MeV)
78-Pt-193


MAT 7834
(α,2p)
78-Pt-193
Radionuclide Production Cross Section
78-Pt-195g
78-Pt-195m7
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
10-15
5
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
78-Pt-193