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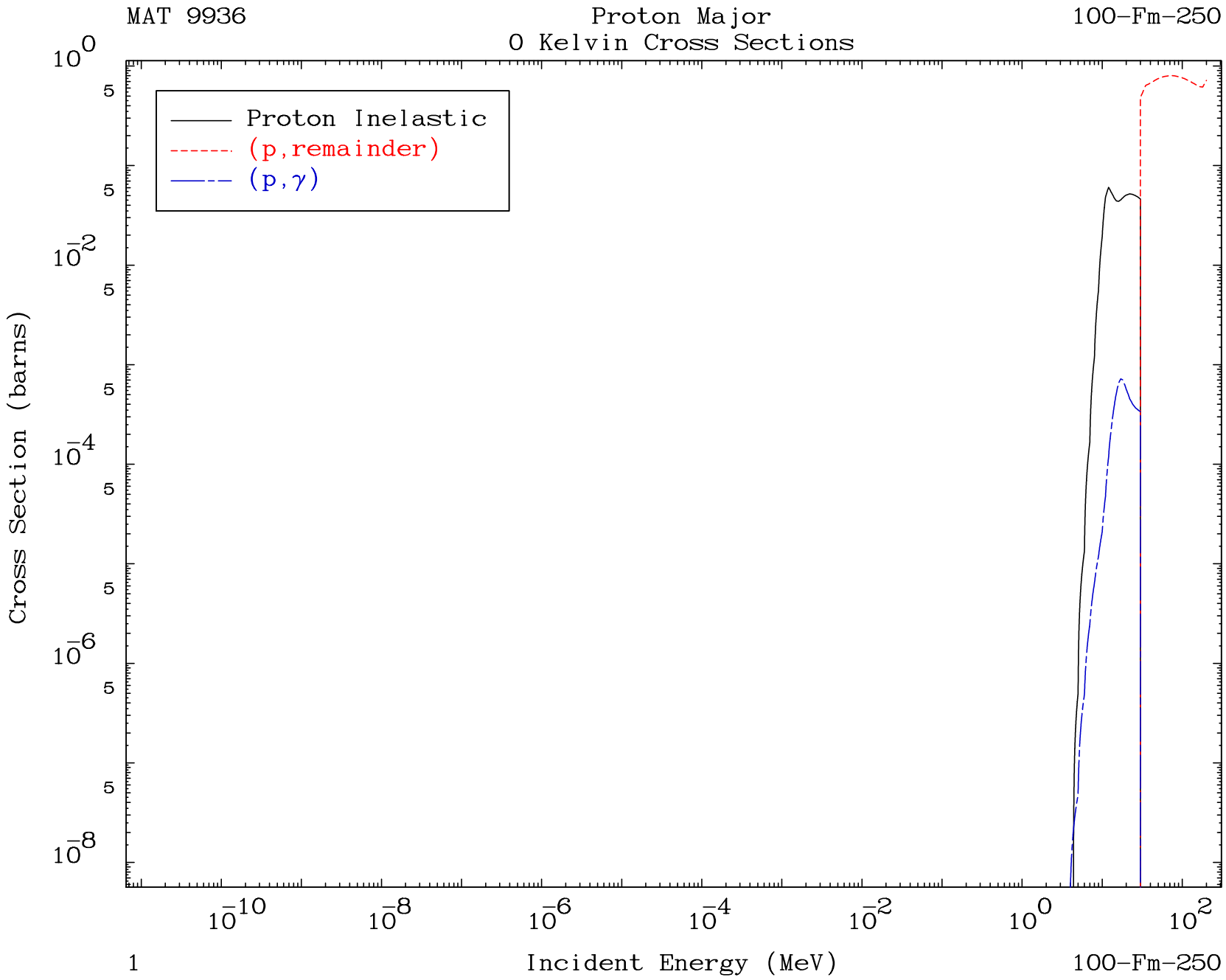
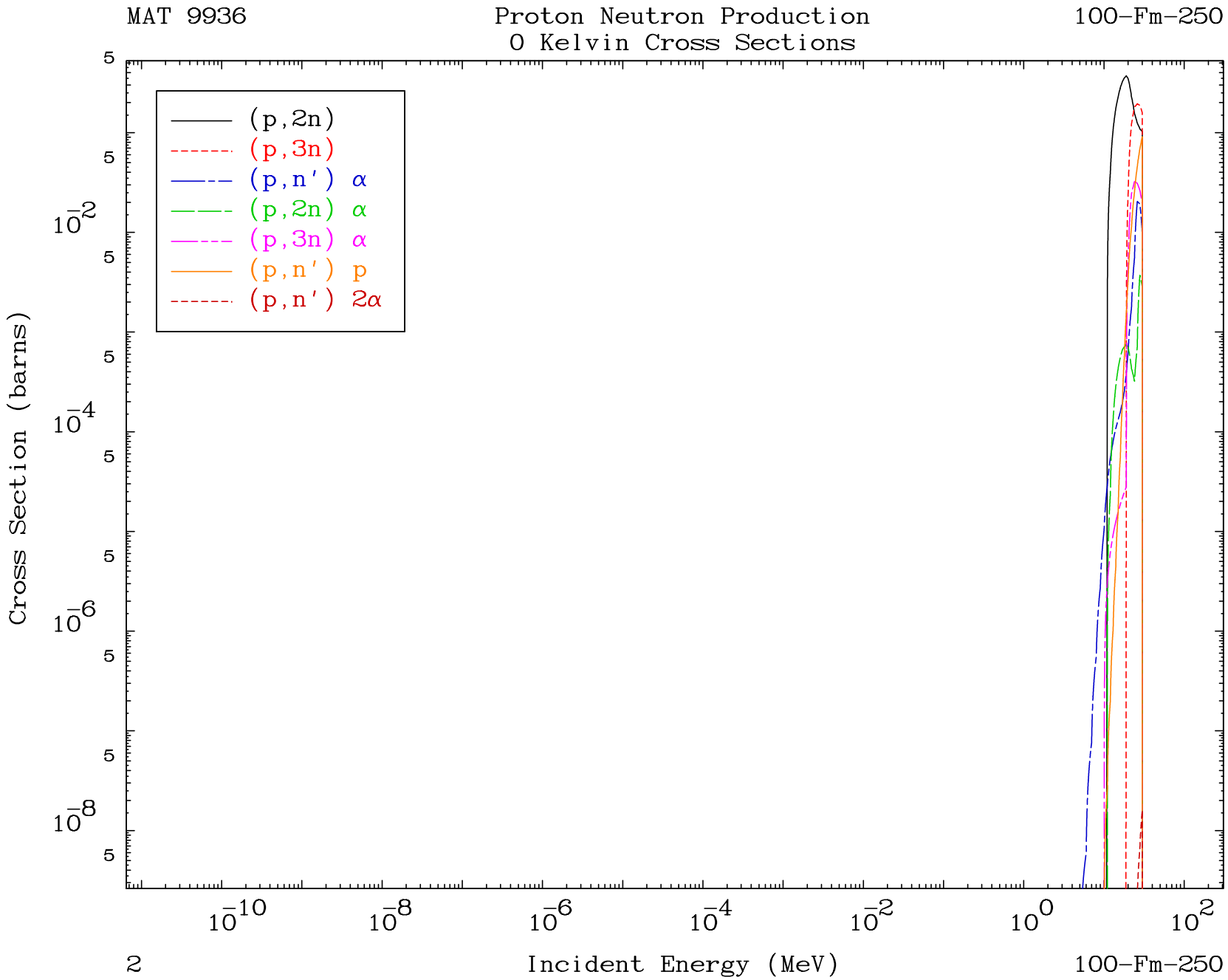
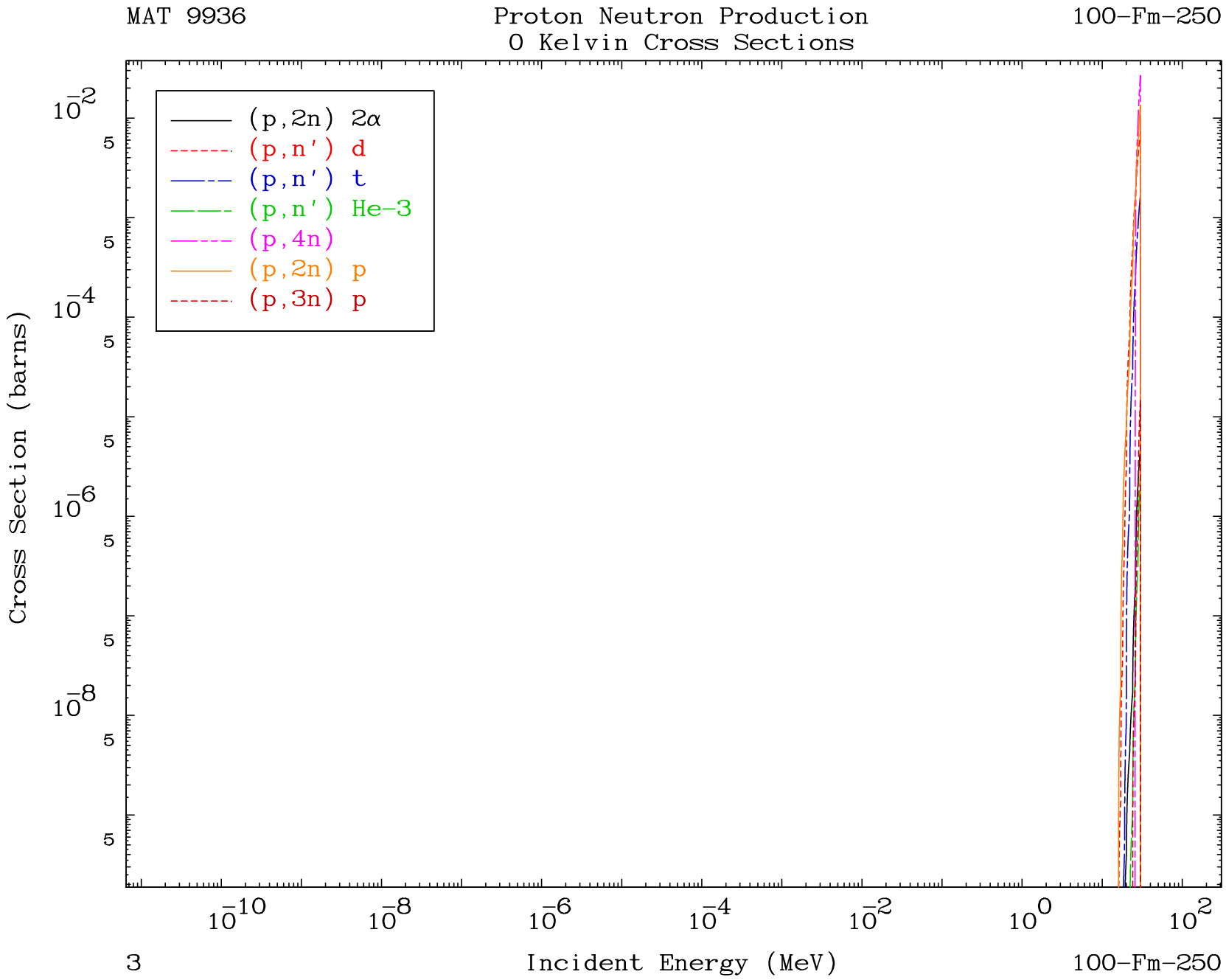
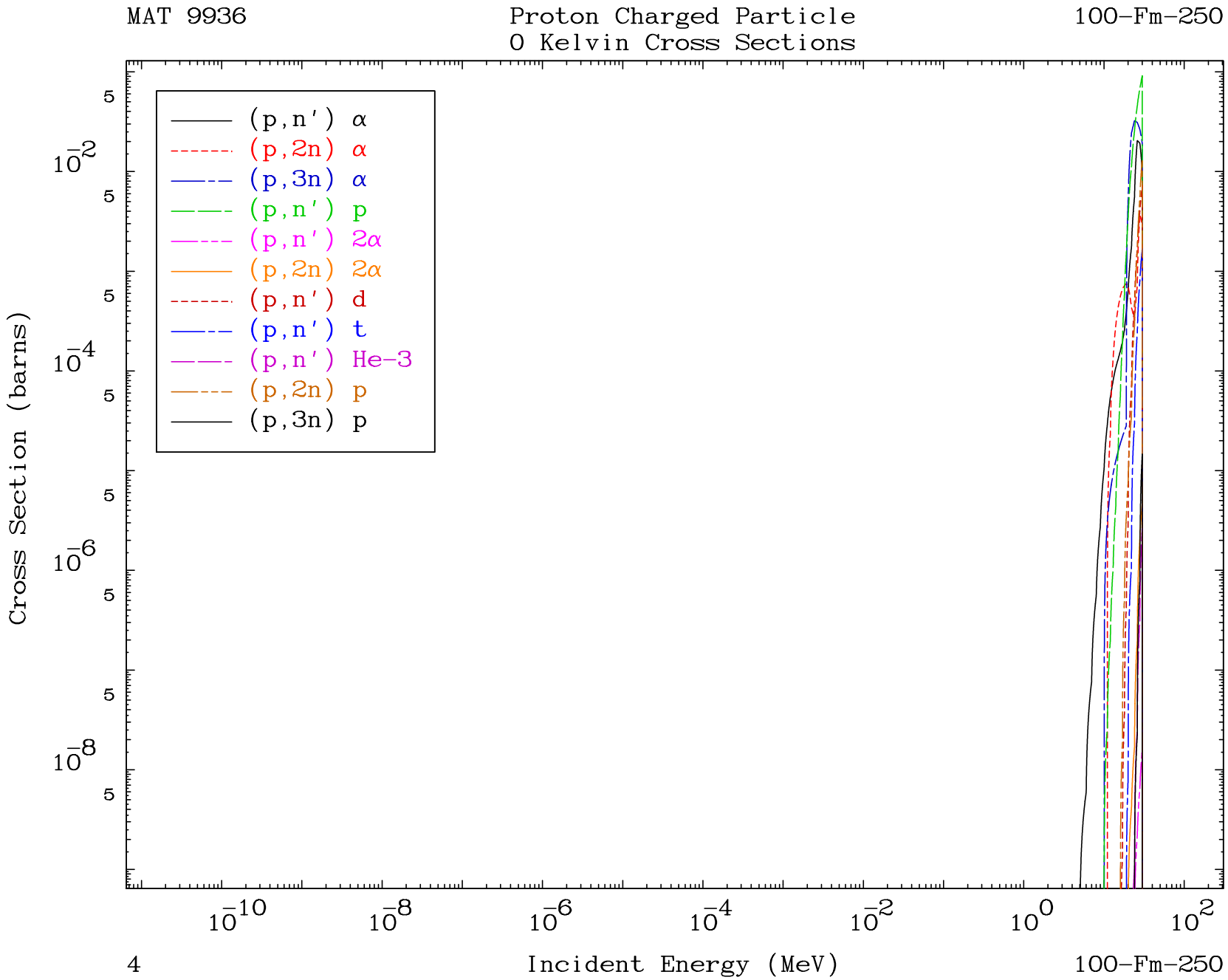
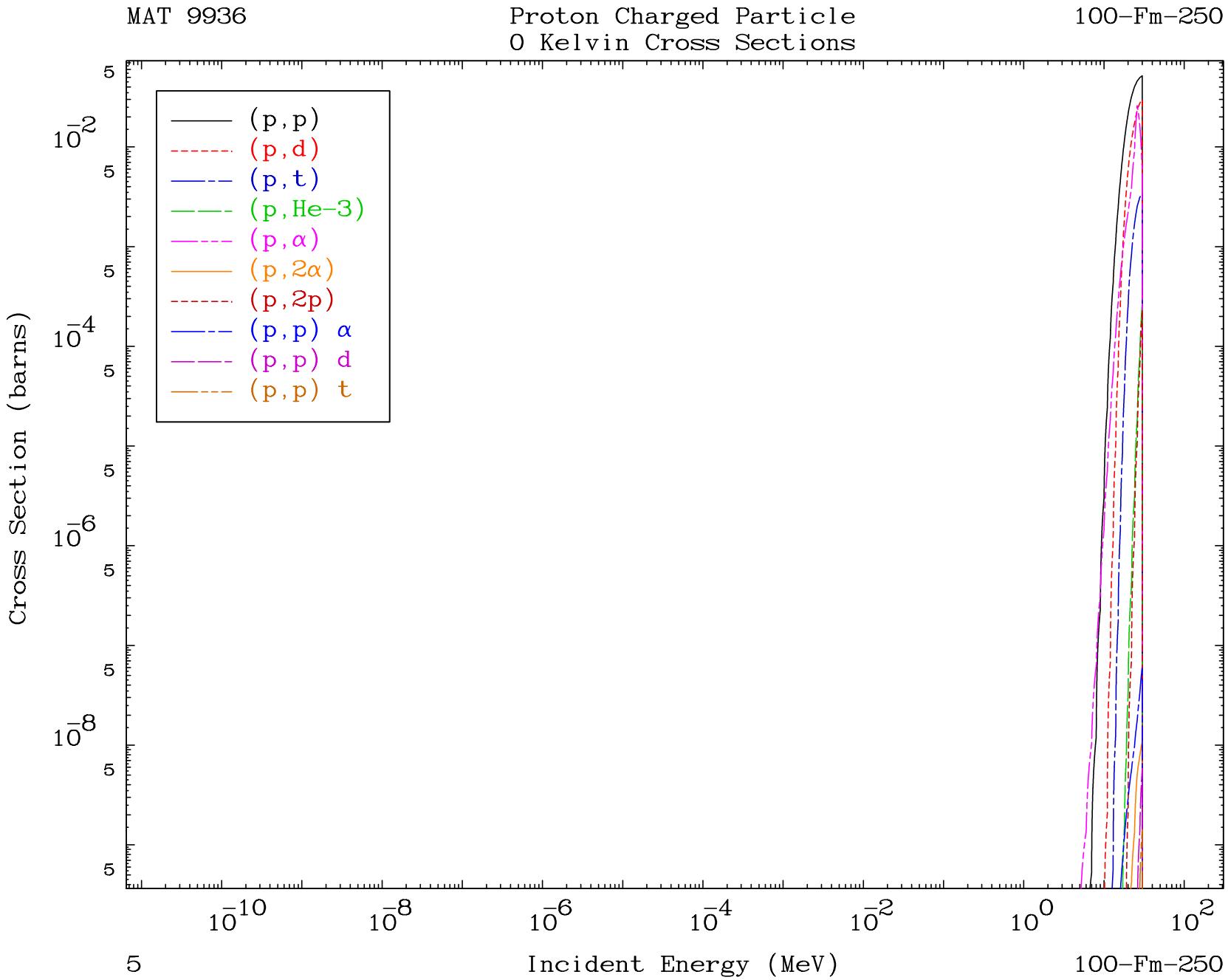
Press Mouse Button to Start

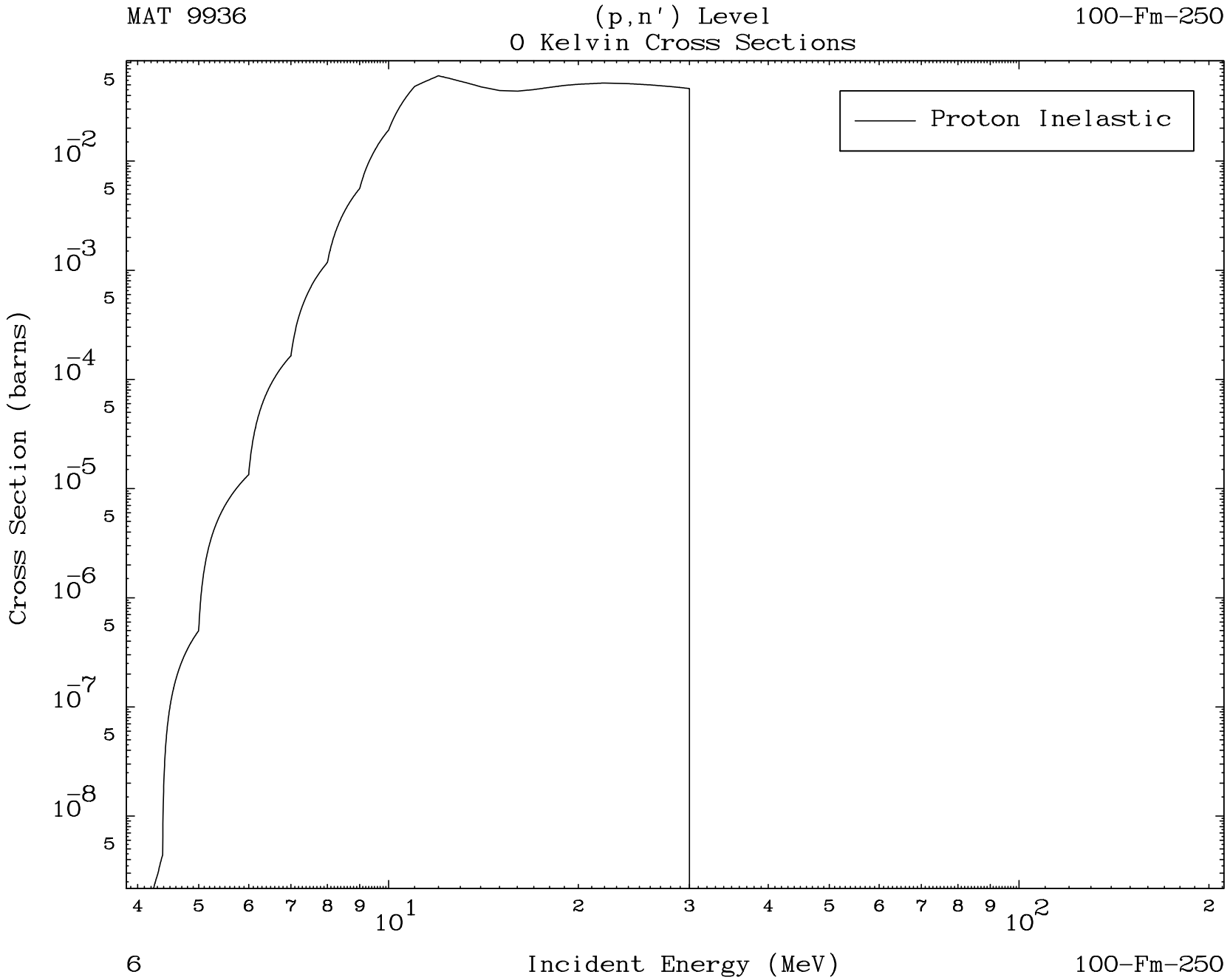

MAT 9936
Proton Major
100-Fm-250
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
1
100-Fm-250

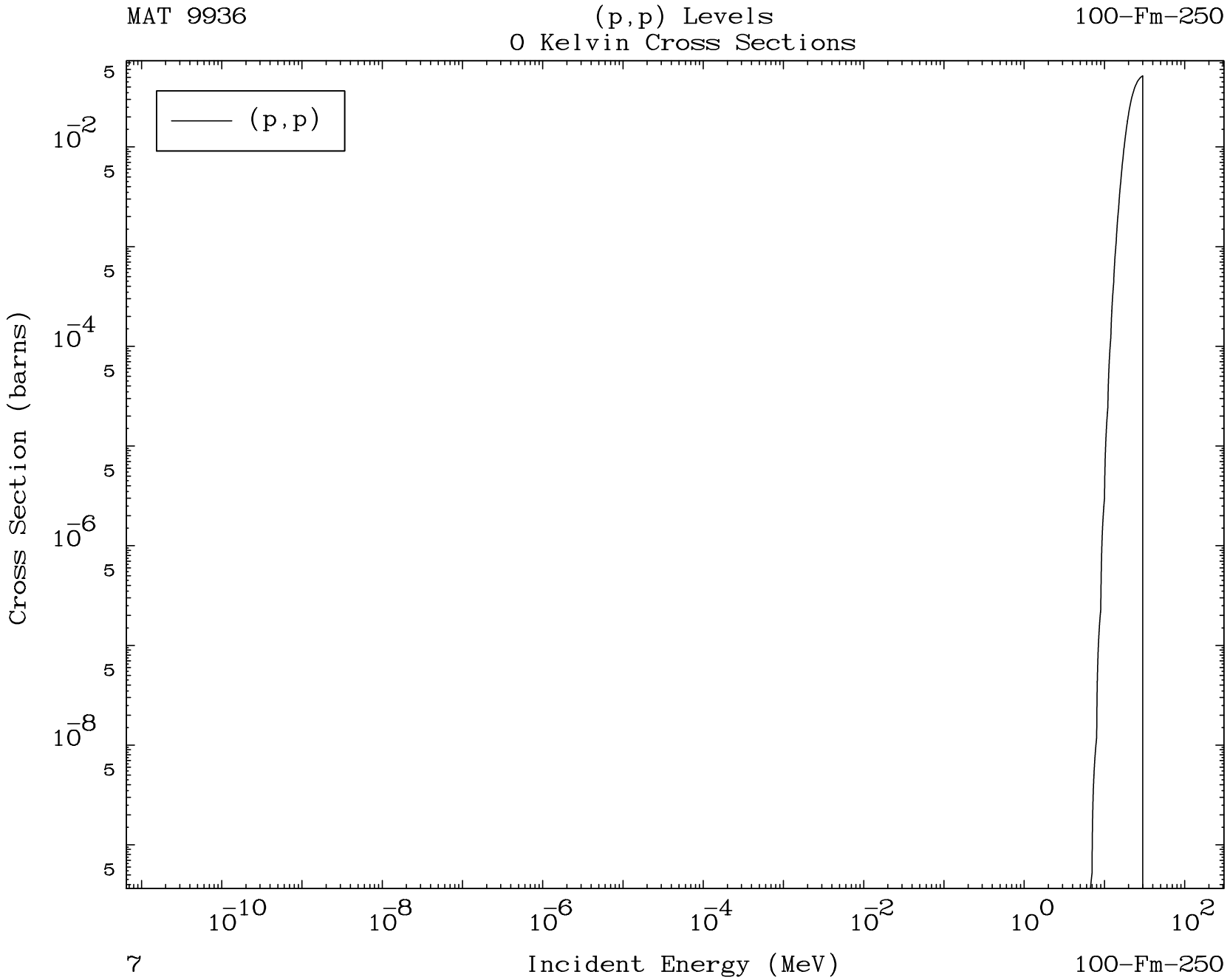

MAT 9936
Proton Neutron Production
0 Kelvin Cross Sections
100-Fm-250
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
Cross Section (barns)
Incident Energy (MeV)
100-Fm-250
2

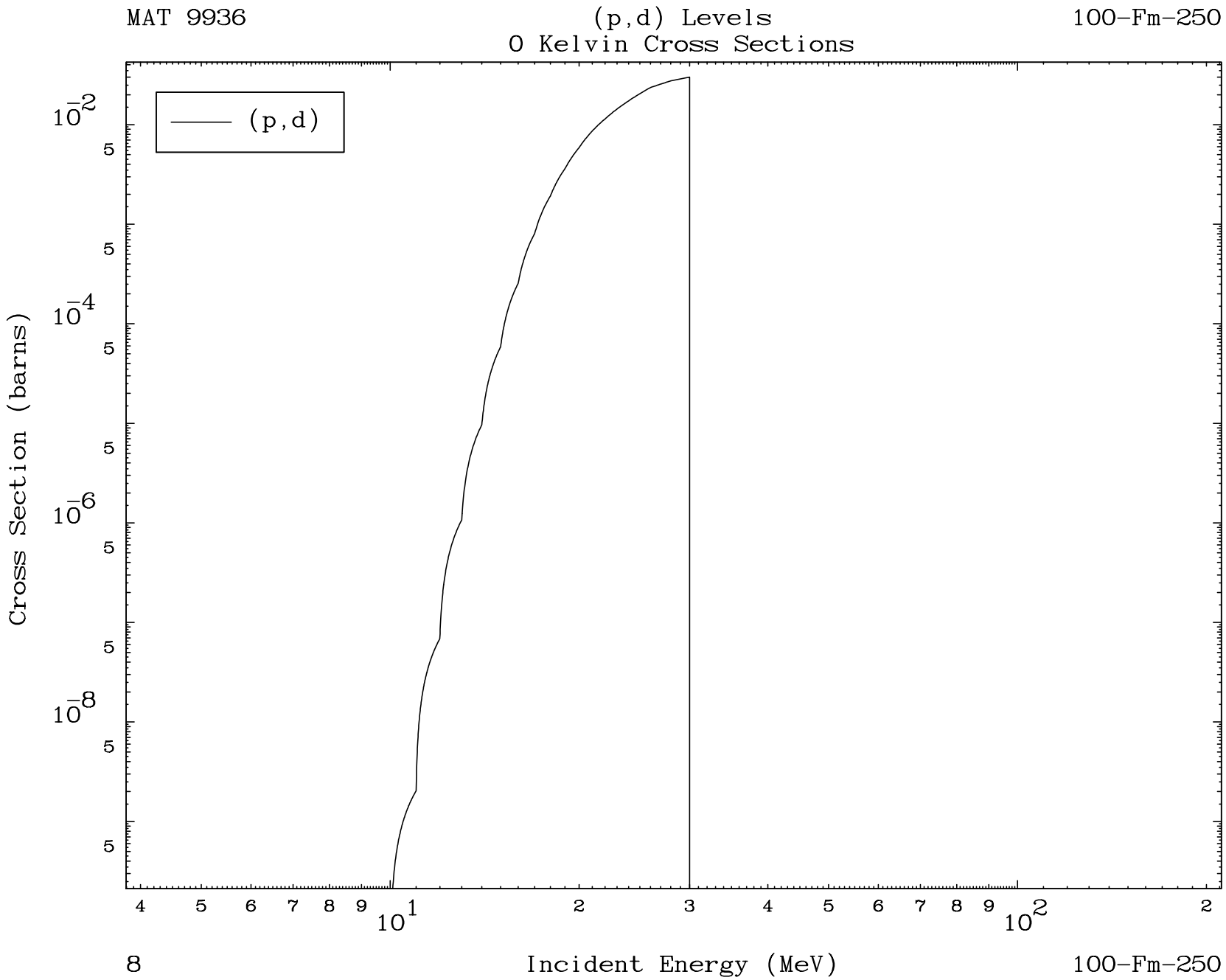

MAT 9936
Proton Neutron Production
0 Kelvin Cross Sections
100-Fm-250
(p,2n) 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
100-Fm-250

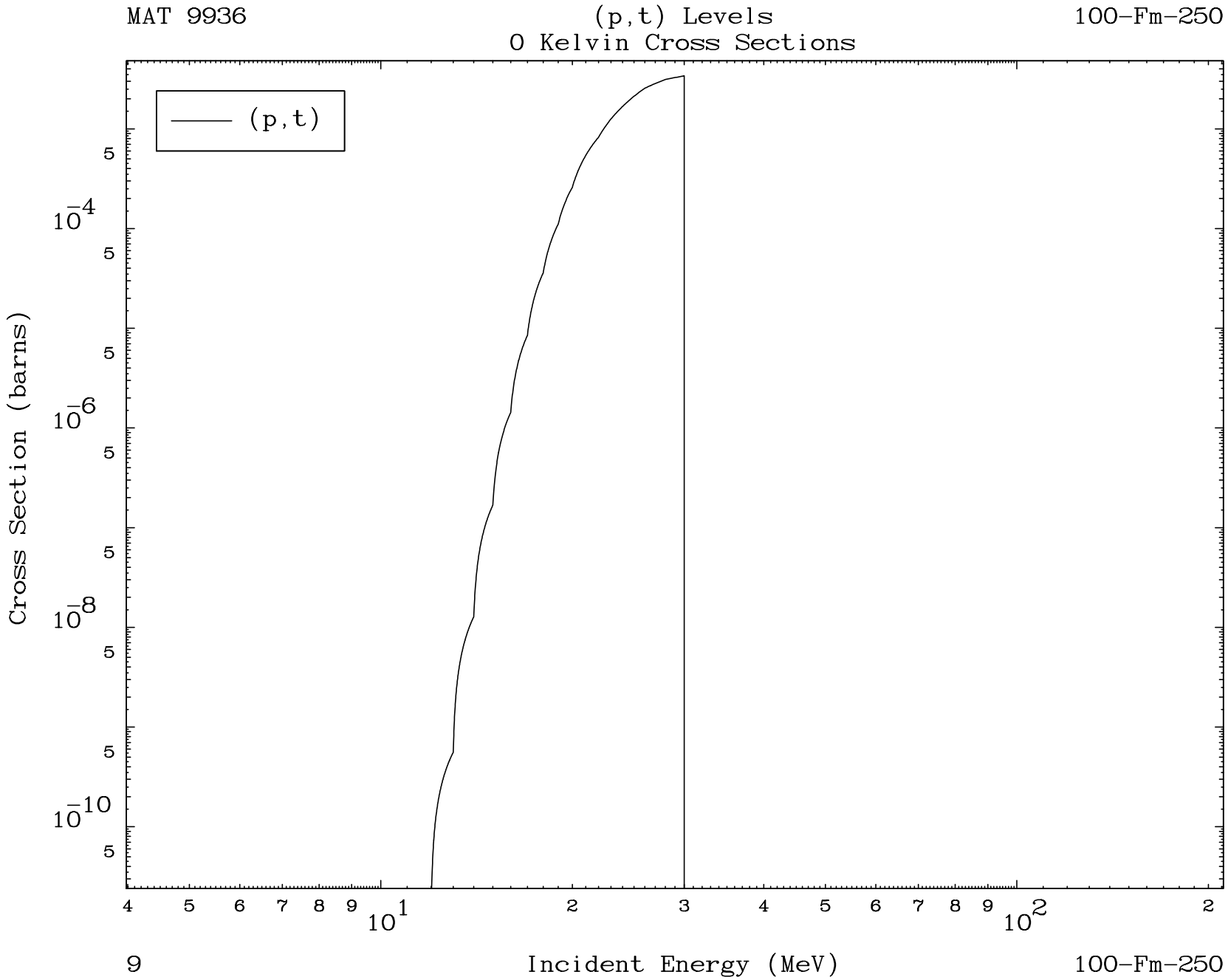

MAT 9936
Proton Charged Particle
0 Kelvin Cross Sections
100-Fm-250
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,2n) 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
100-Fm-250

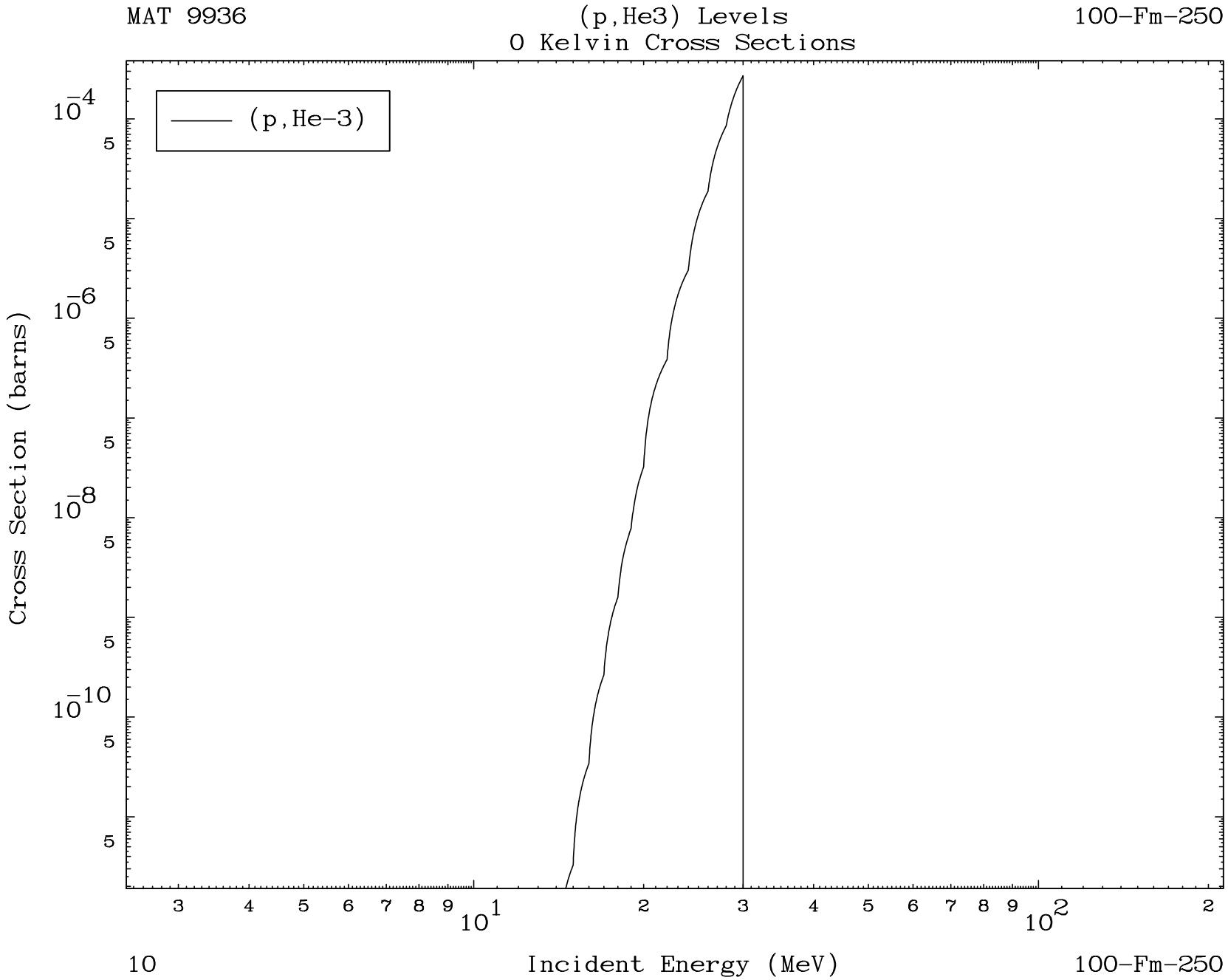

MAT 9936
Proton Charged Particle
0 Kelvin Cross Sections
100-Fm-250
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
100-Fm-250

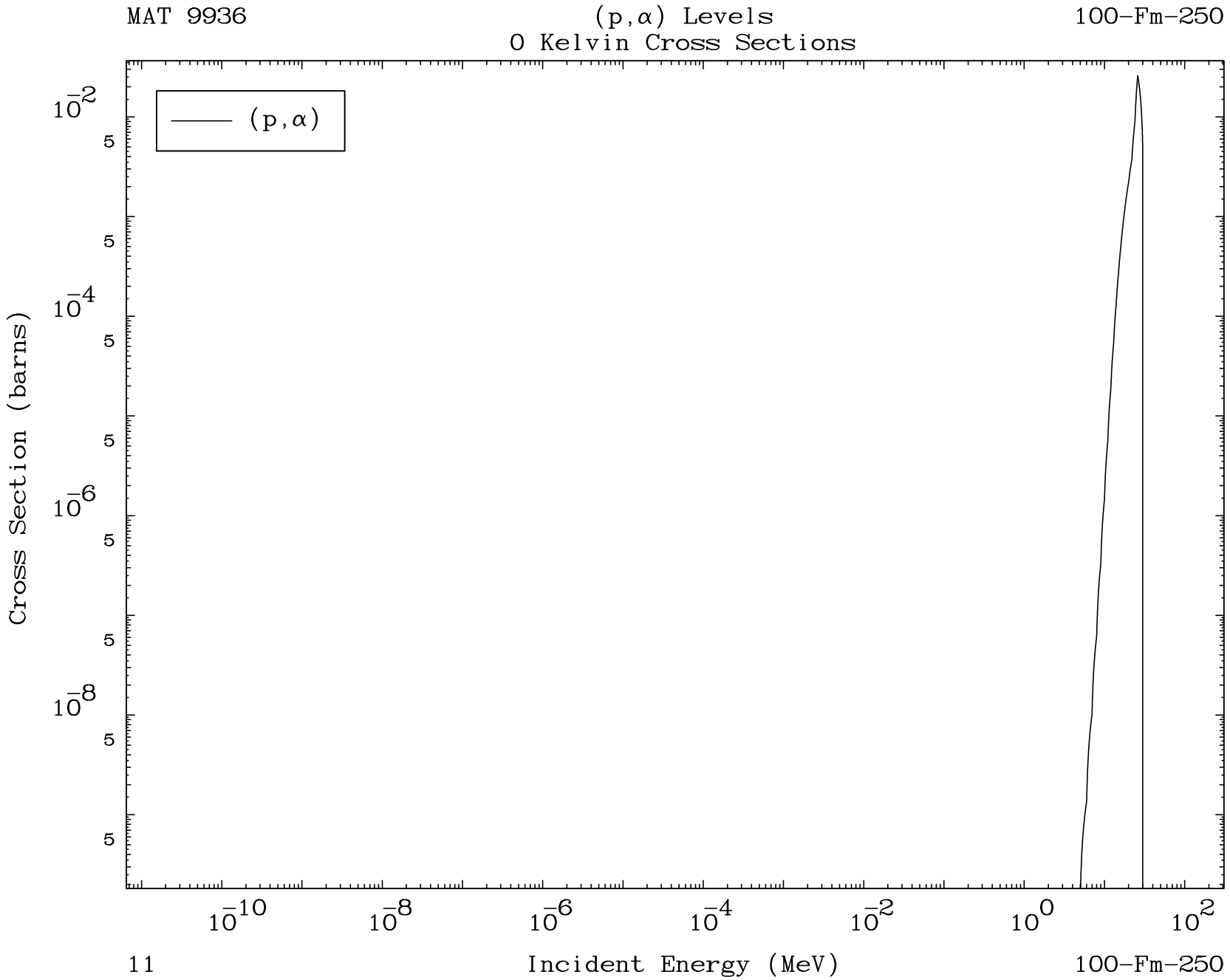

MAT 9936
(p,n') Level
100-Fm-250
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
100-Fm-250

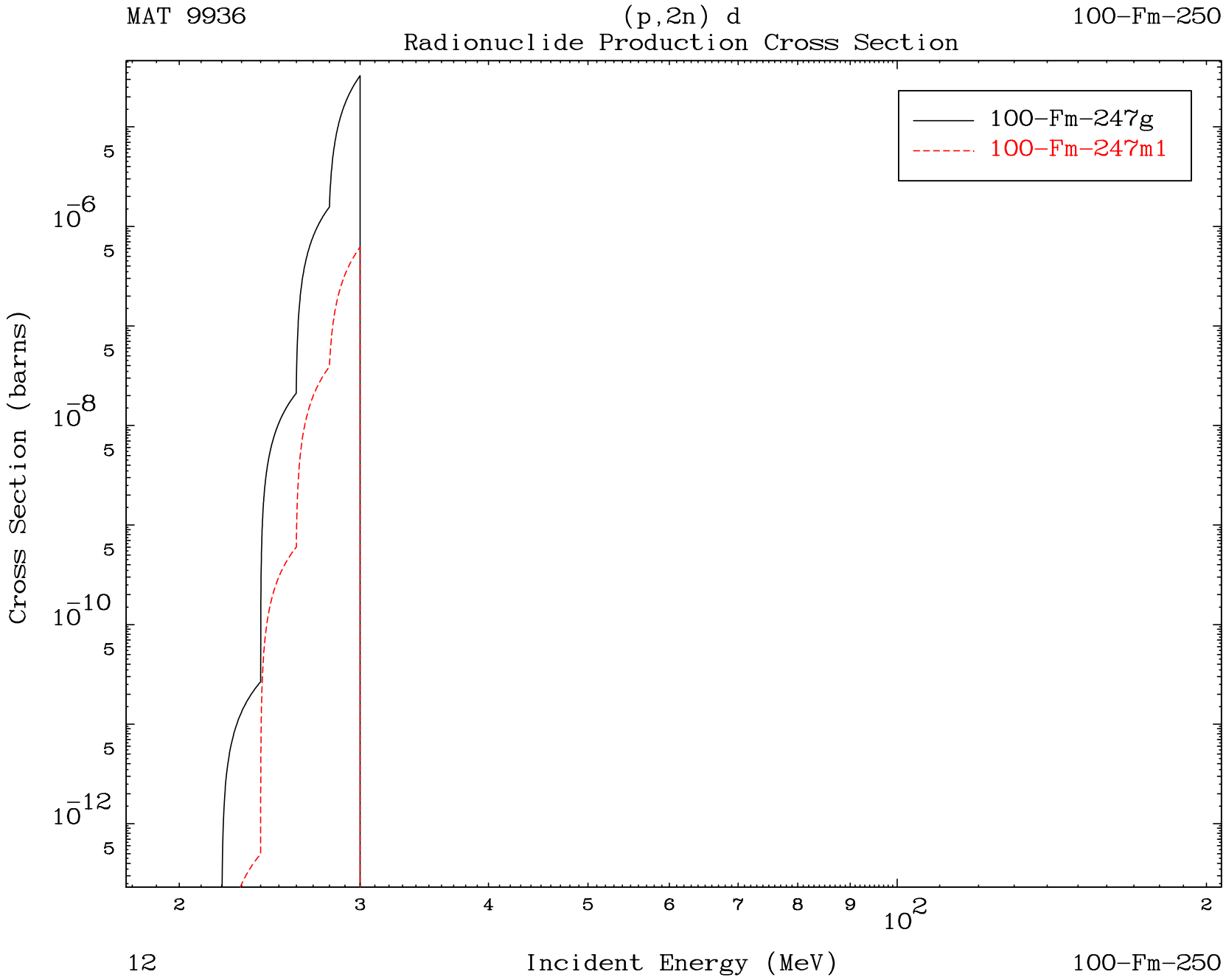

MAT 9936
(p,p) Levels
100-Fm-250
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
100-Fm-250

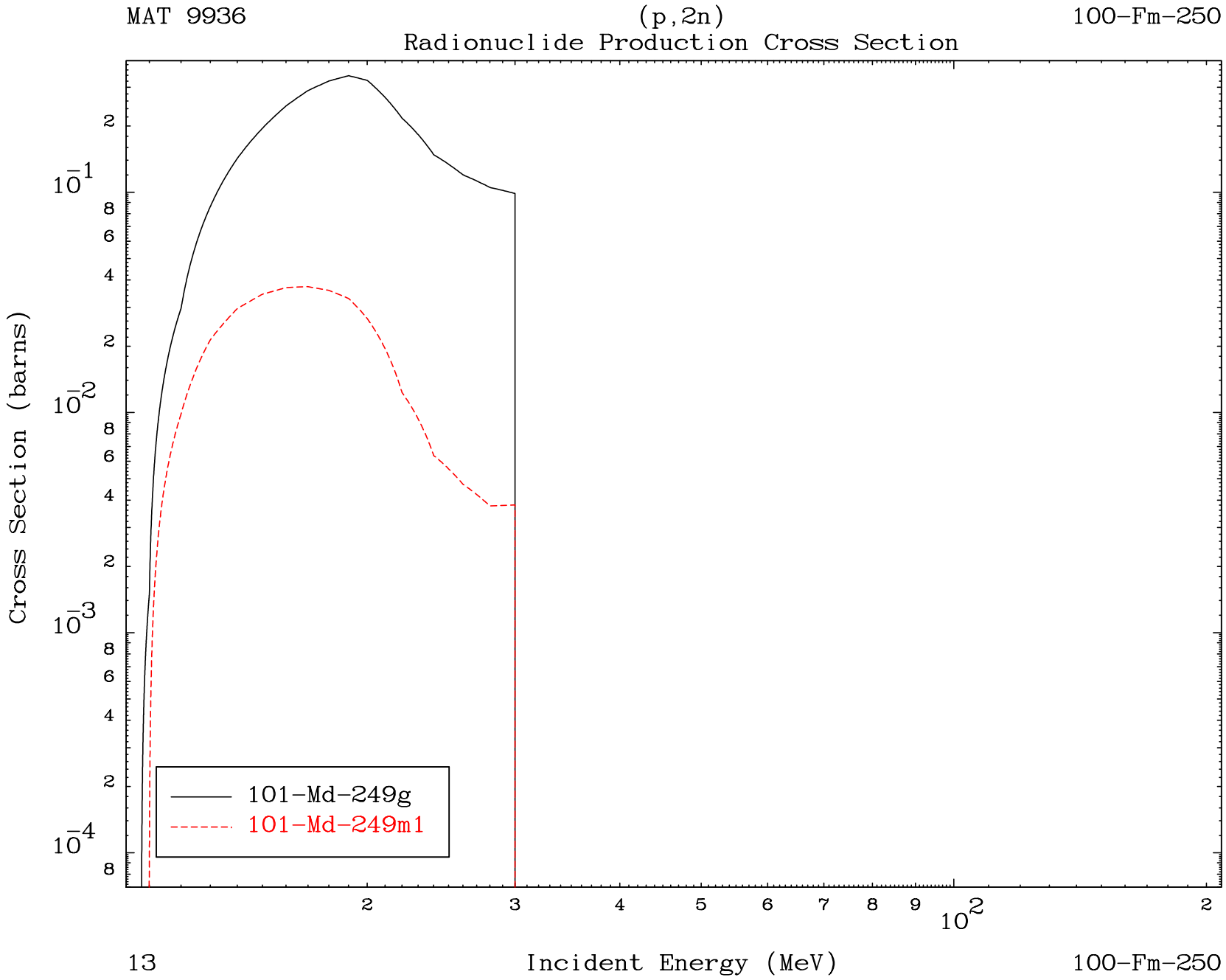

MAT 9936
(p,d) Levels
100-Fm-250
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
100-Fm-250

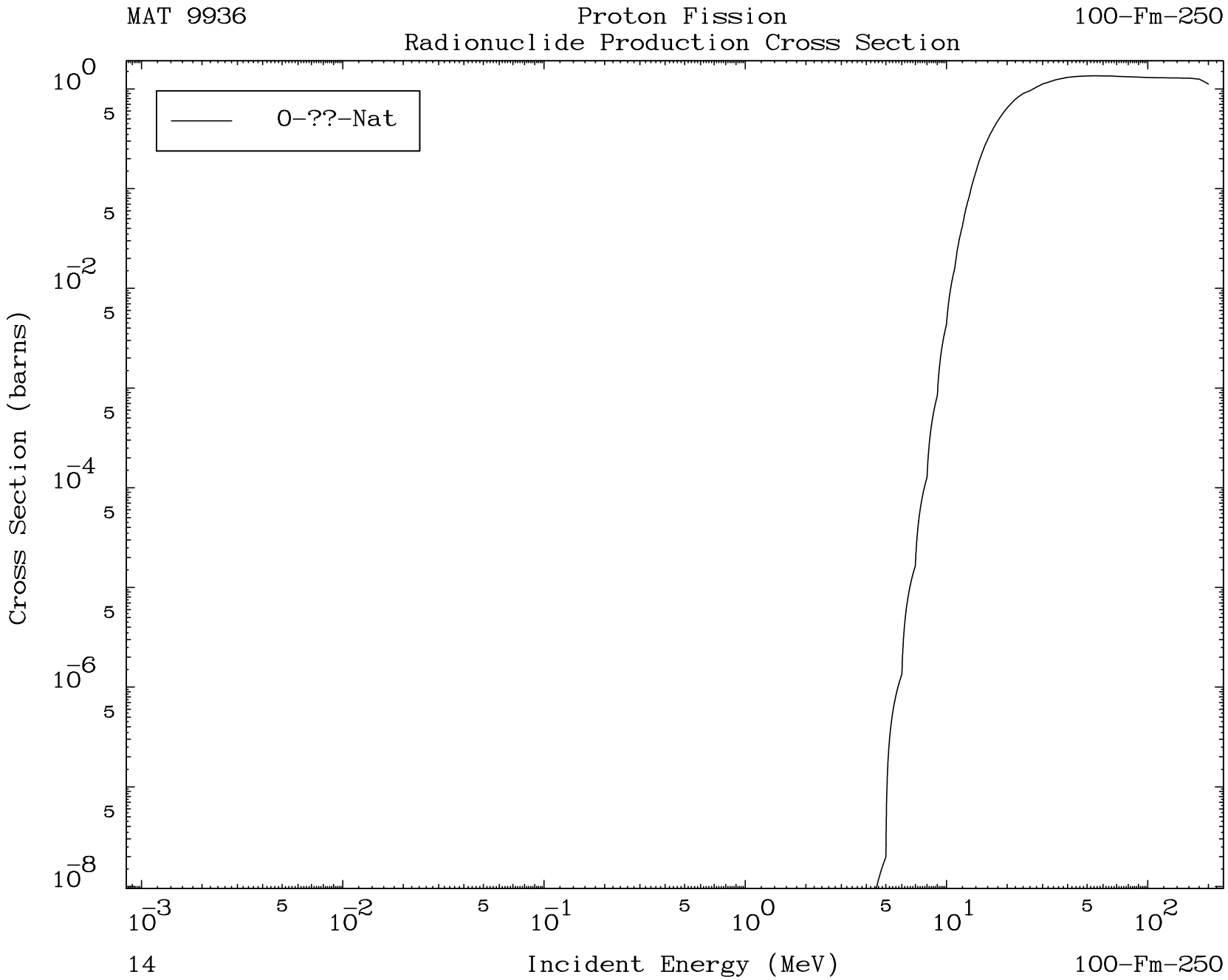

MAT 9936
(p,t) Levels
100-Fm-250
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
100-Fm-250

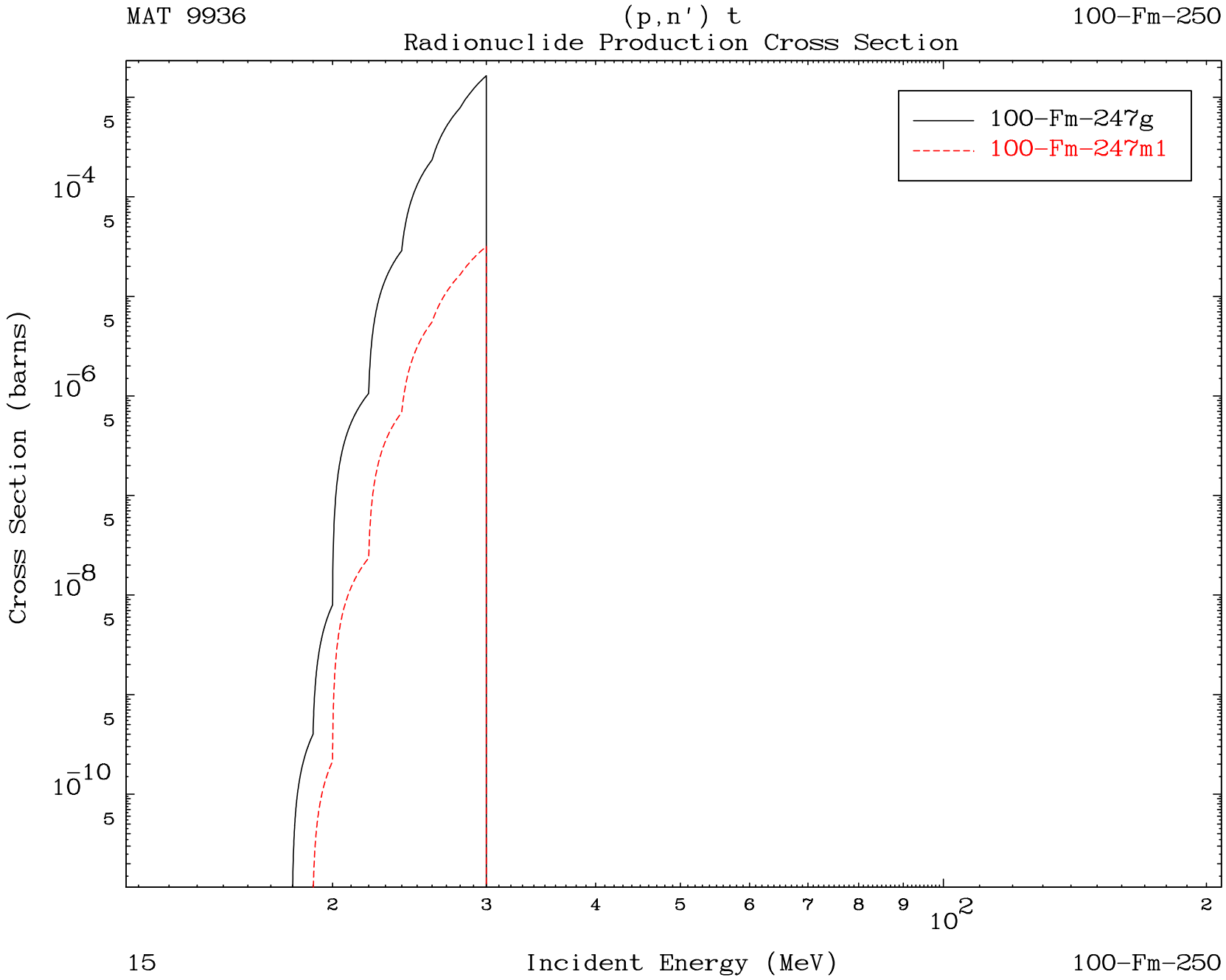

MAT 9936
(p,He3) Levels
100-Fm-250
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
100-Fm-250

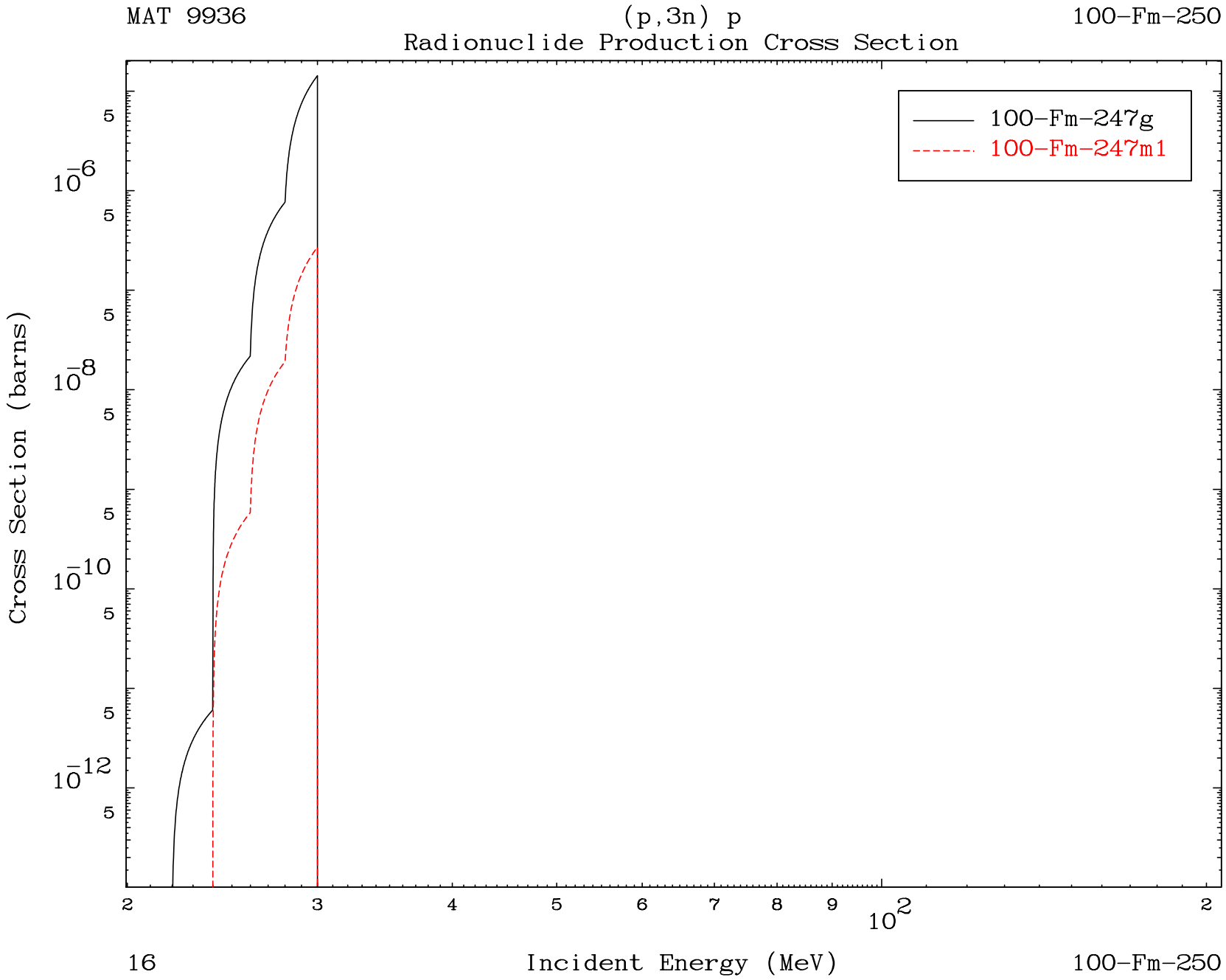

MAT 9936
(p,α) Levels
100-Fm-250
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
100-Fm-250

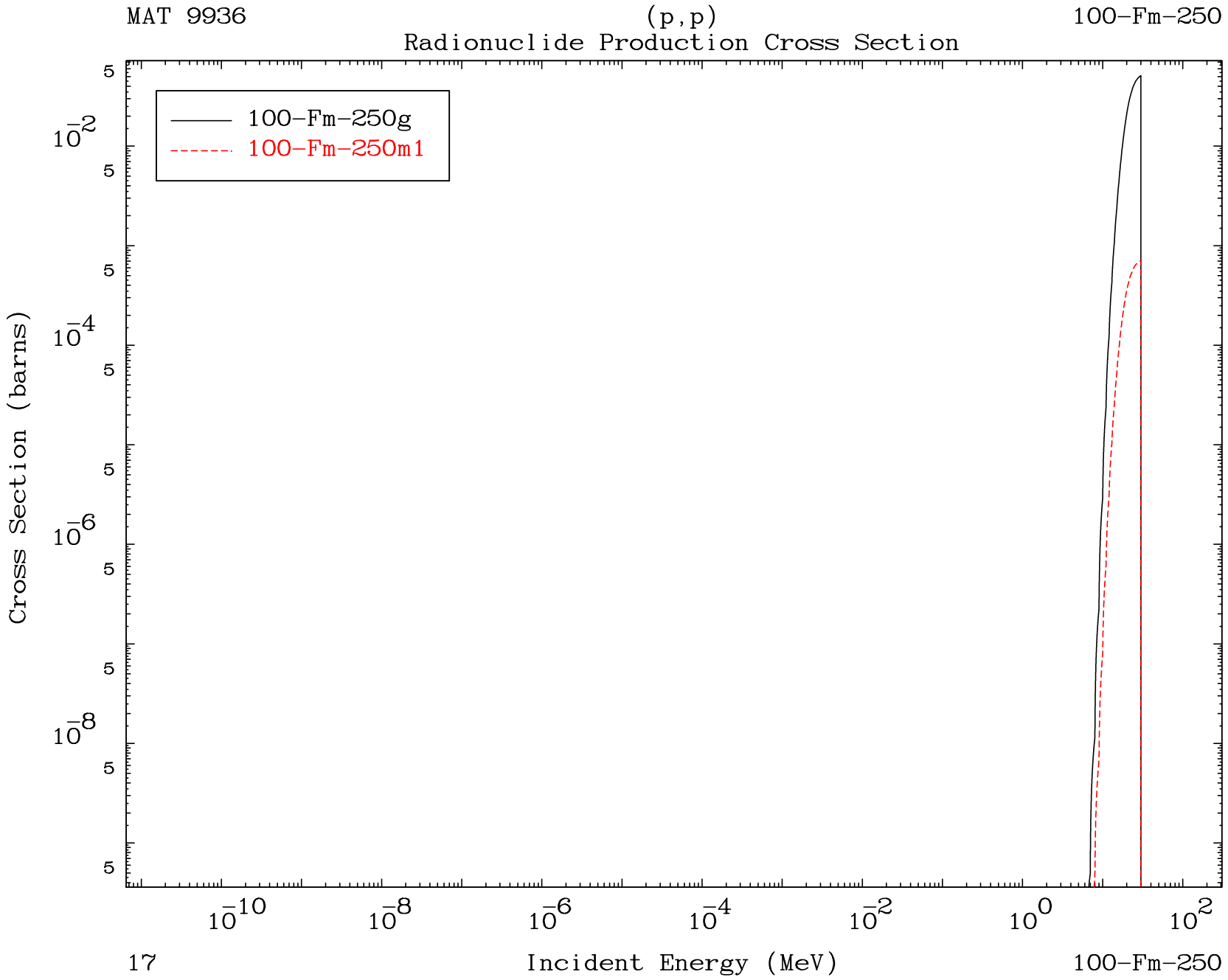

MAT 9936
(p,2n) d
100-Fm-250
Radionuclide Production Cross Section
100-Fm-247g
100-Fm-247m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
12
100-Fm-250


MAT 9936
(p,2n)
100-Fm-250
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
10-4
101-Md-249g
101-Md-249m1
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
13
100-Fm-250


MAT 9936
Proton Fission
100-Fm-250
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
14
100-Fm-250


MAT 9936
(p,n') t
100-Fm-250
Radionuclide Production Cross Section
100-Fm-247g
100-Fm-247m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
100-Fm-250


MAT 9936
(p,3n) p
100-Fm-250
Radionuclide Production Cross Section
100-Fm-247g
100-Fm-247m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
100-Fm-250


MAT 9936
(p,p)
100-Fm-250
Radionuclide Production Cross Section
100-Fm-250g
100-Fm-250m1
Cross Section (barns)
Incident Energy (MeV)
17
100-Fm-250