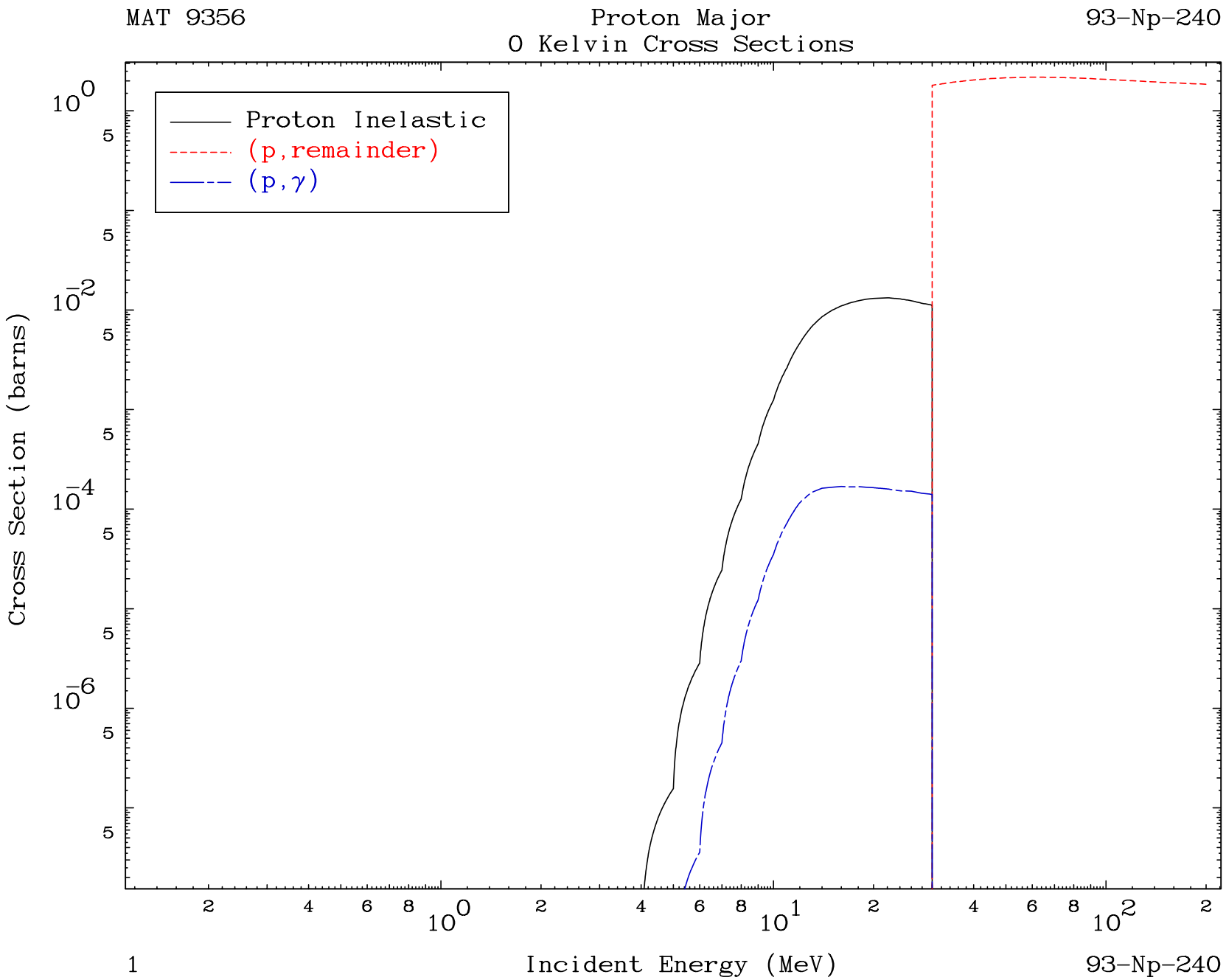
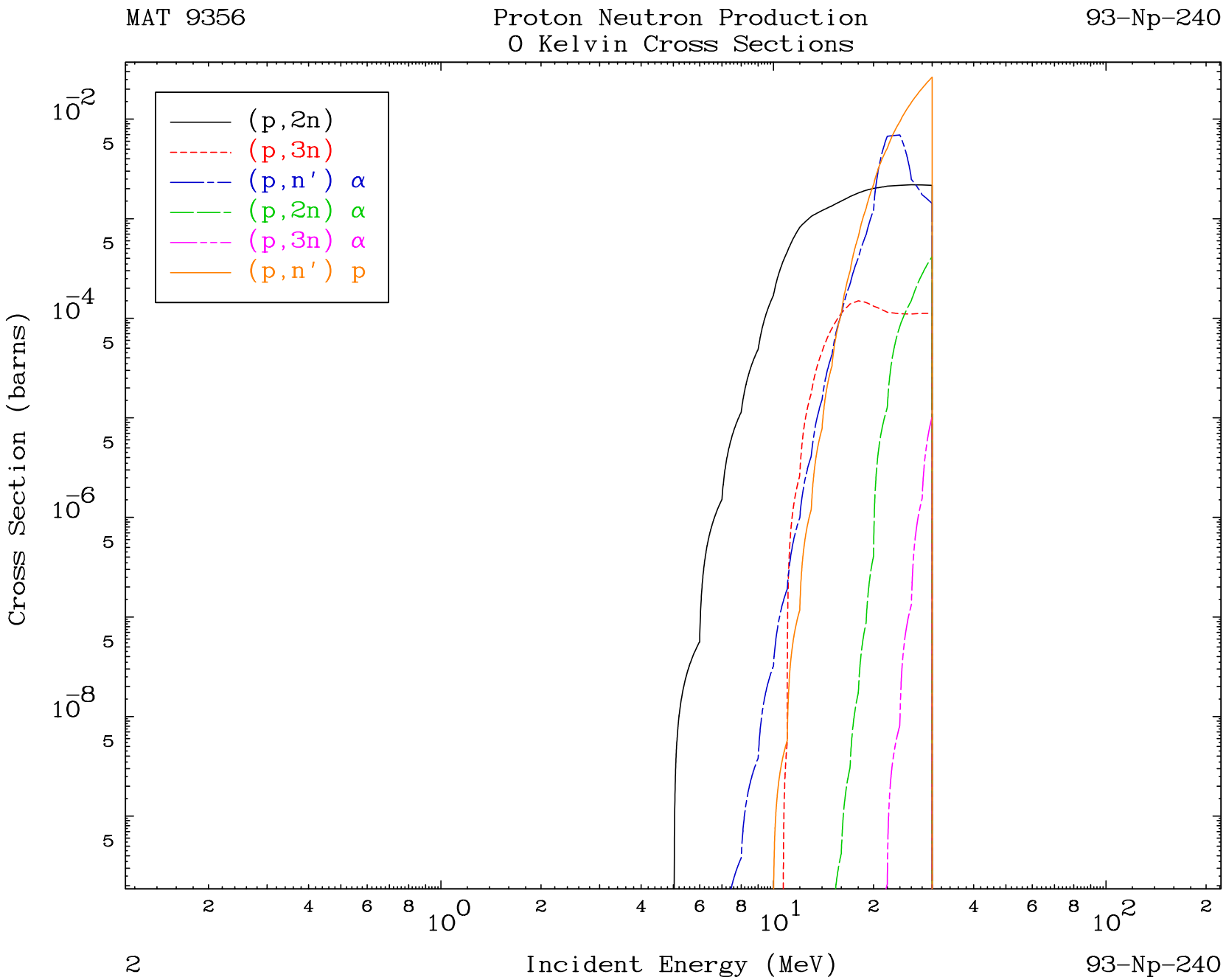
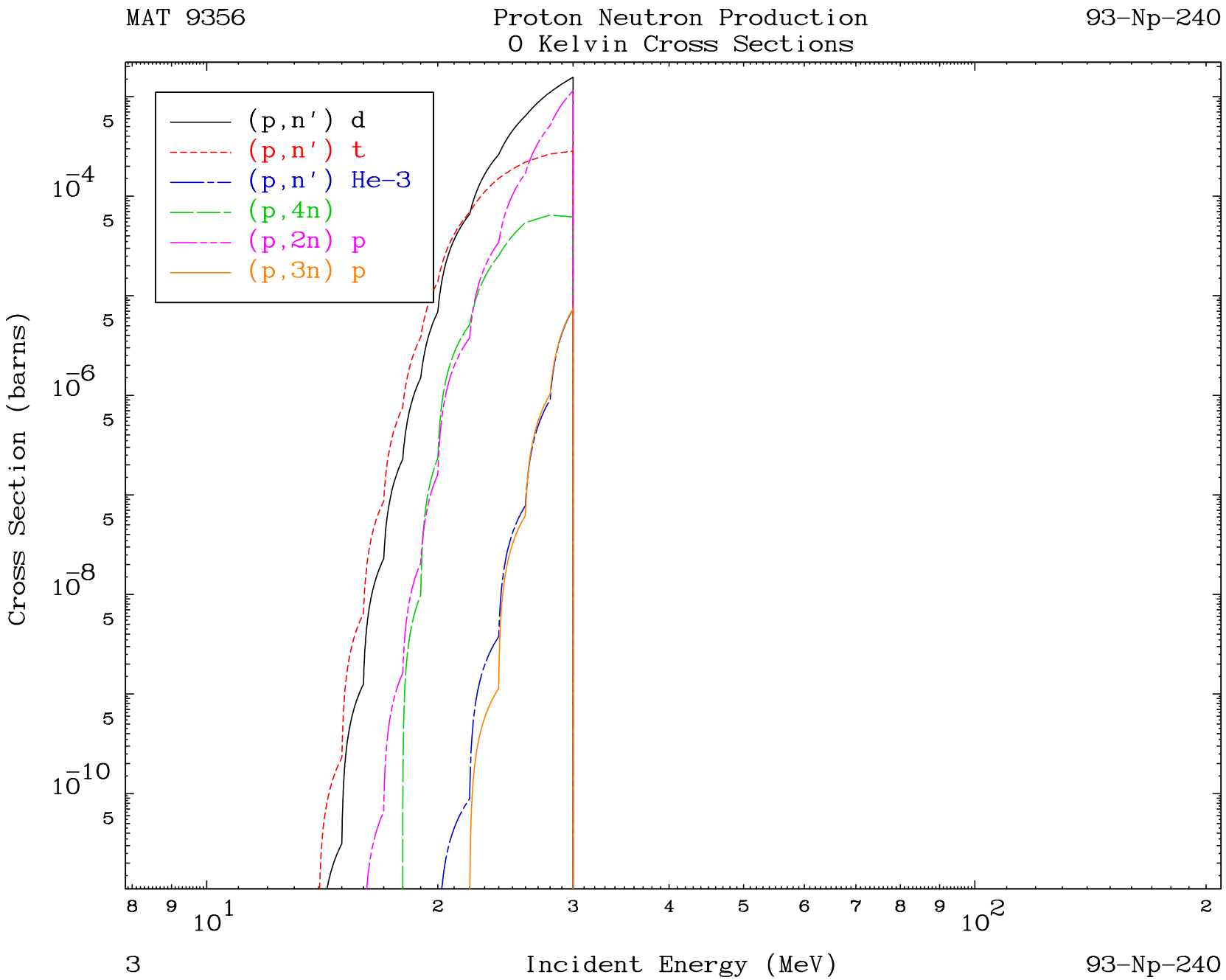
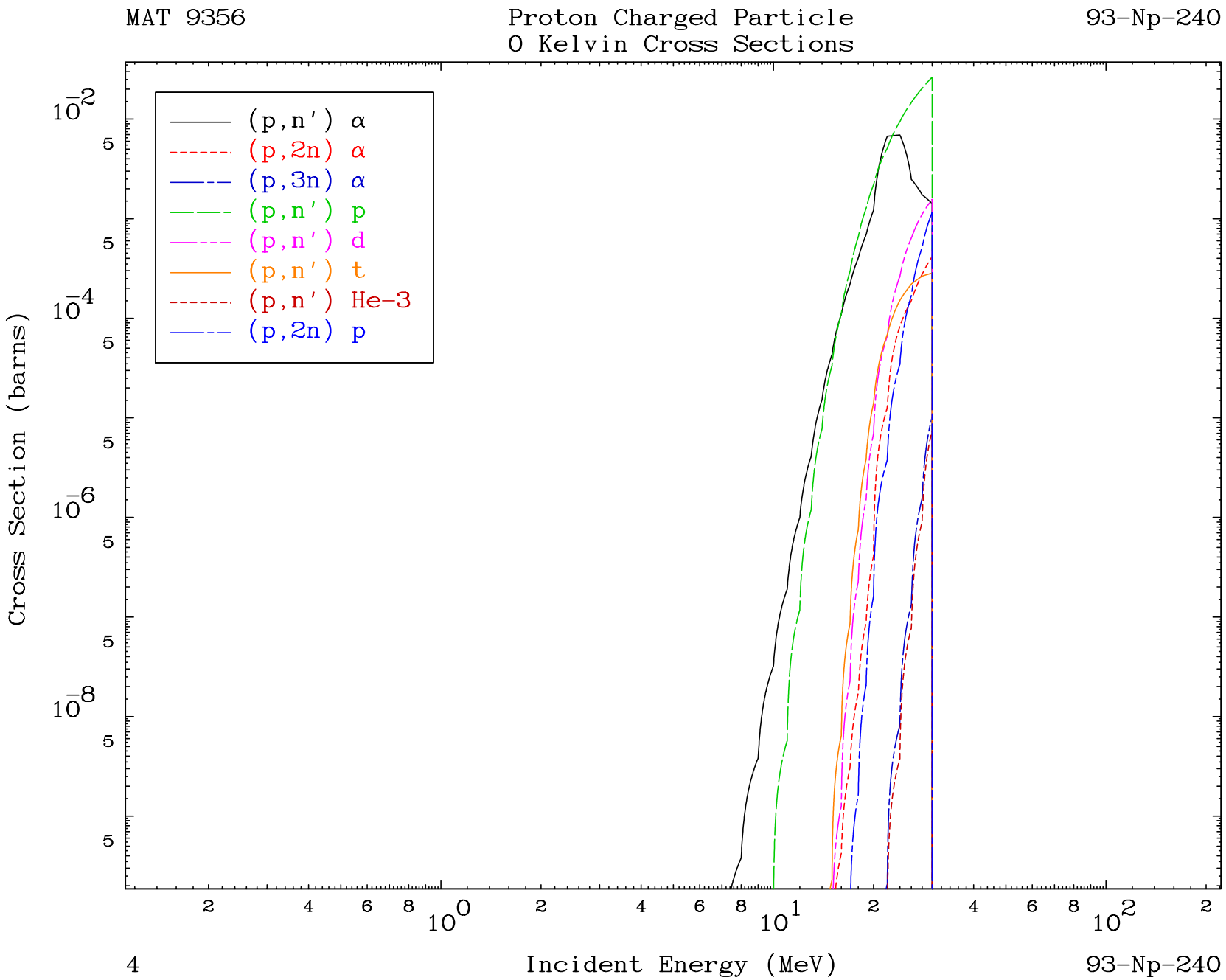
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

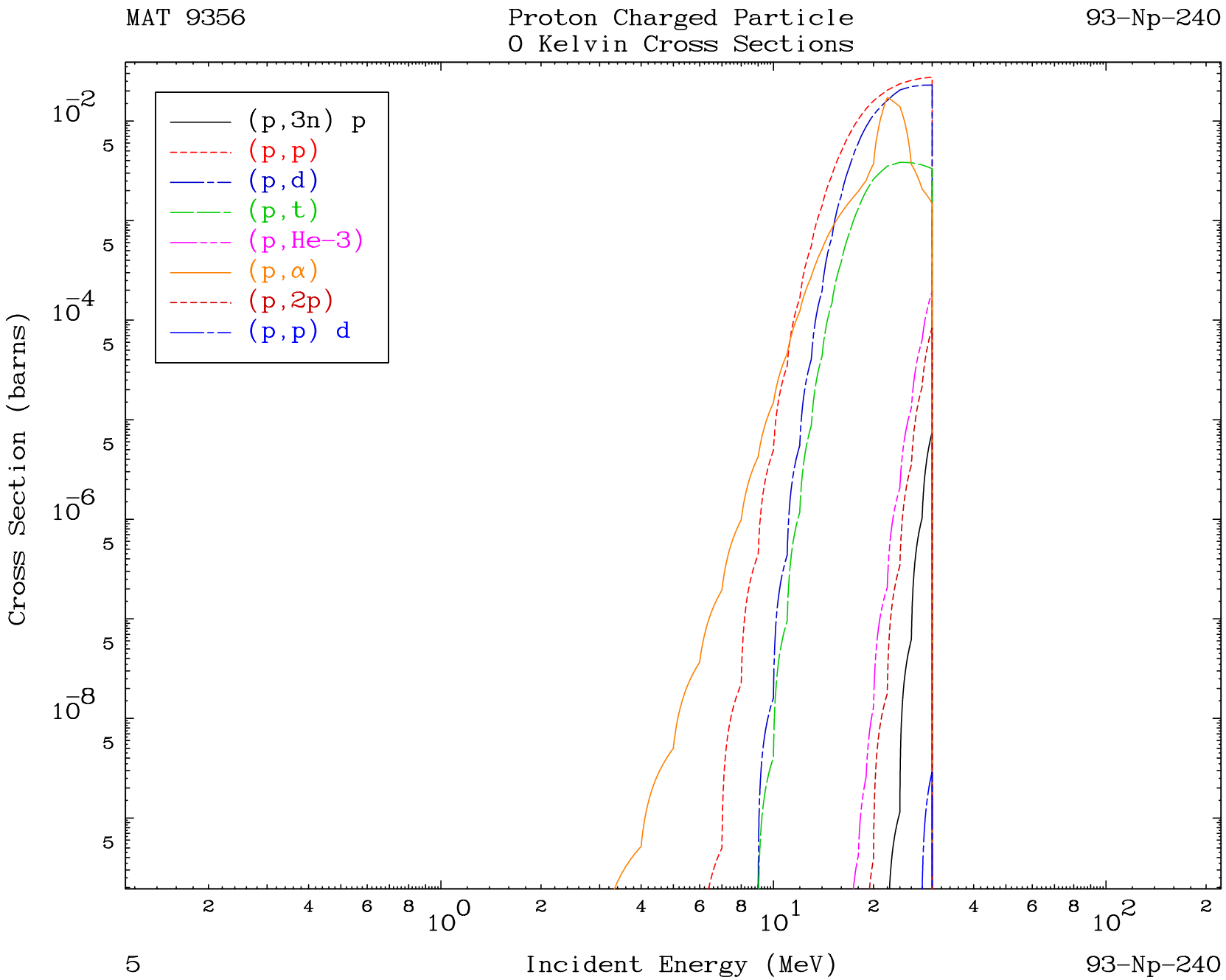
Press Mouse Button to Start

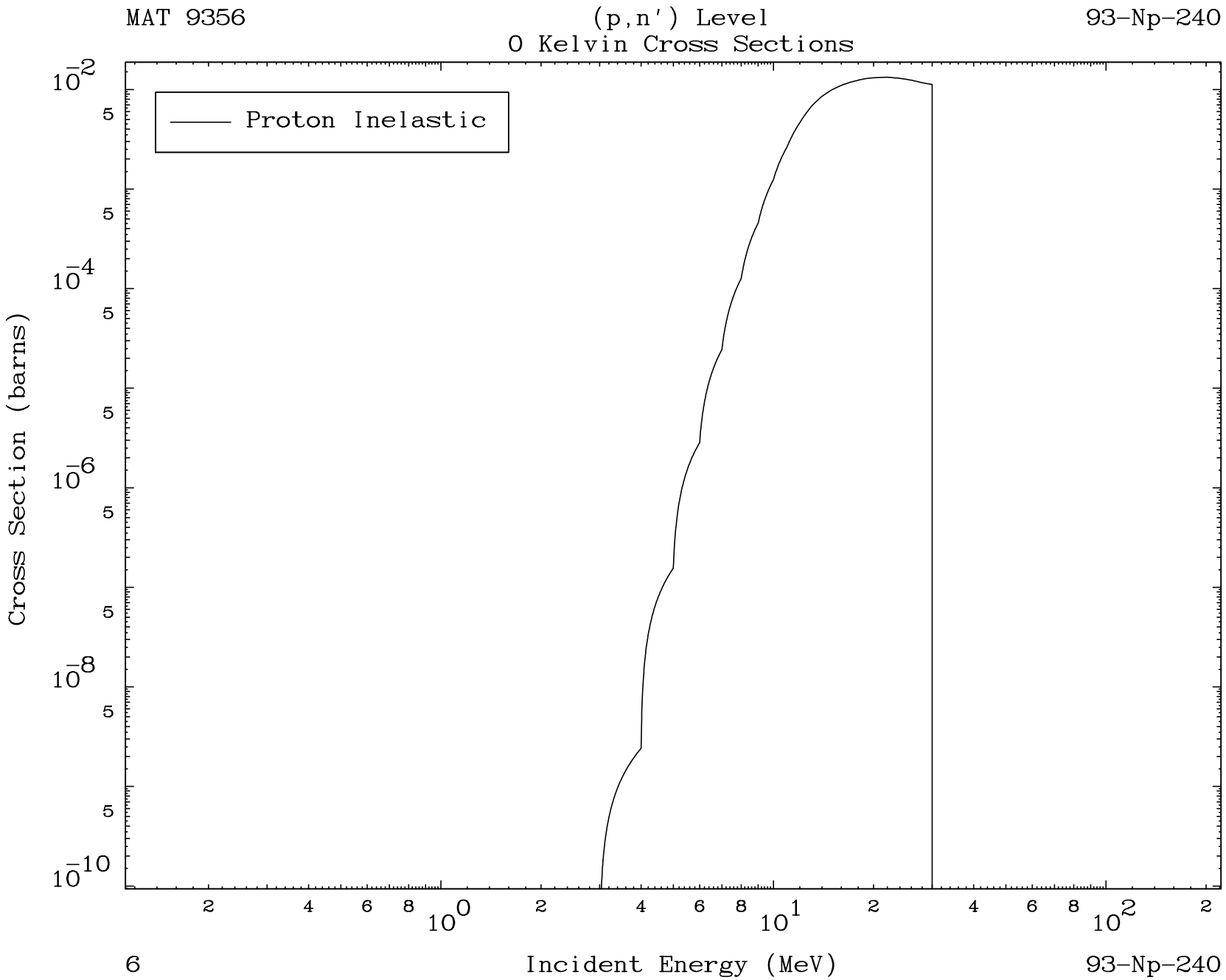

MAT 9356
Proton Major
93-Np-240
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
93-Np-240
1

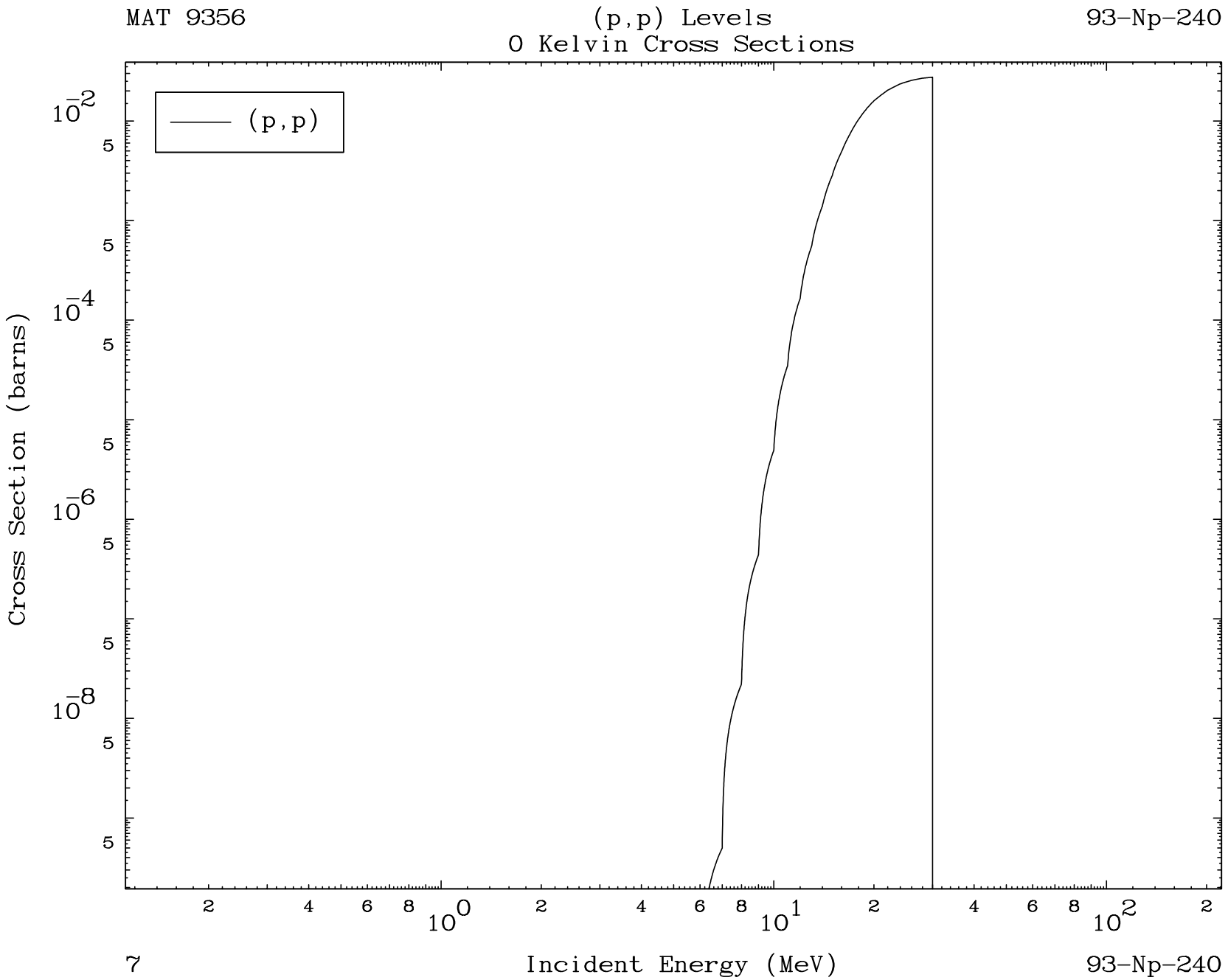

MAT 9356
Proton Neutron Production
0 Kelvin Cross Sections
93-Np-240
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
Cross Section (barns)
Incident Energy (MeV)
93-Np-240
2

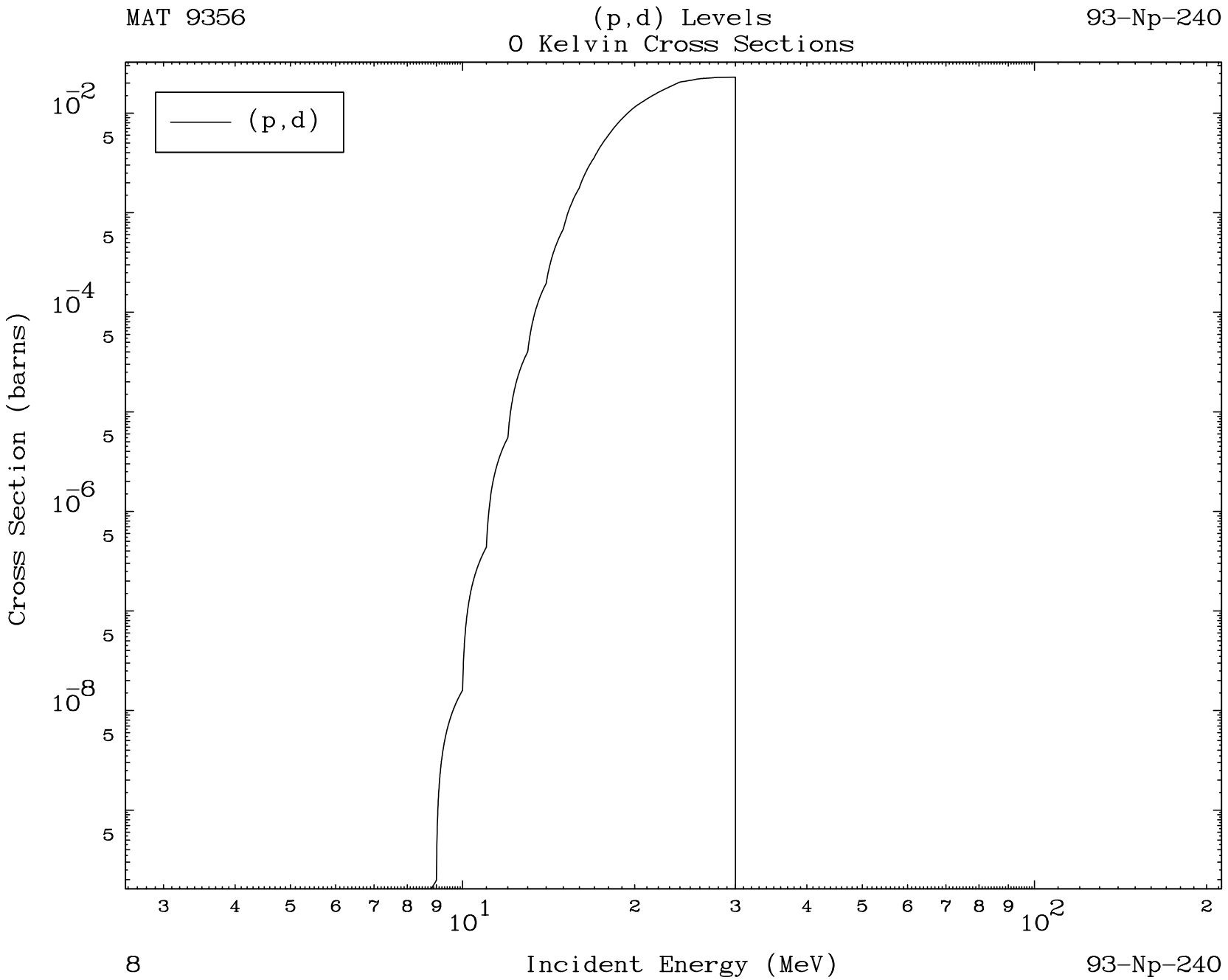

MAT 9356
Proton Neutron Production
0 Kelvin Cross Sections
93-Np-240
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
93-Np-240
3

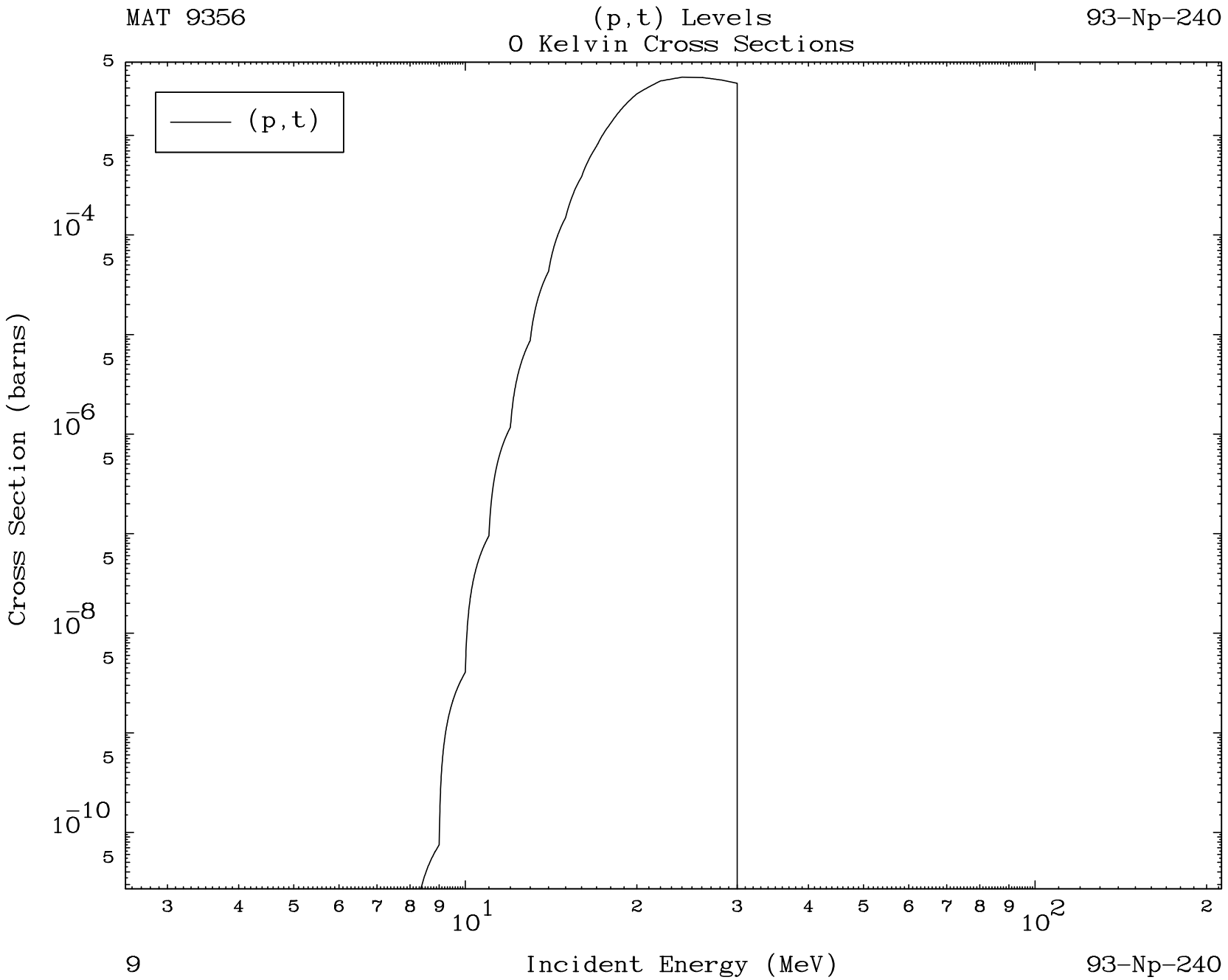

MAT 9356
Proton Charged Particle
0 Kelvin Cross Sections
93-Np-240
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
100
101
102
4
93-Np-240

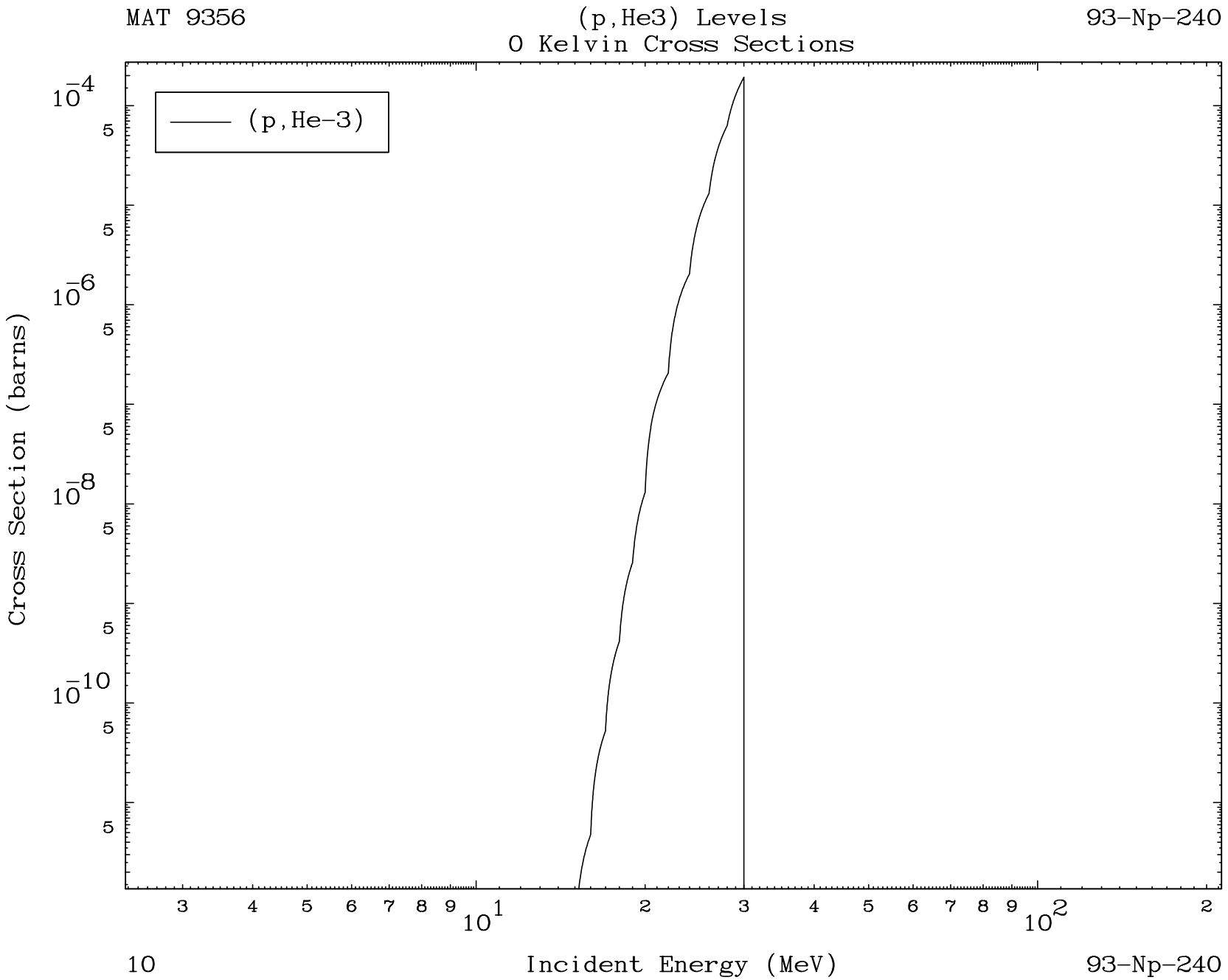

MAT 9356
Proton Charged Particle
0 Kelvin Cross Sections
93-Np-240
(p,3n) p
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2p)
(p,p) d
Cross Section (barns)
Incident Energy (MeV)
93-Np-240
5

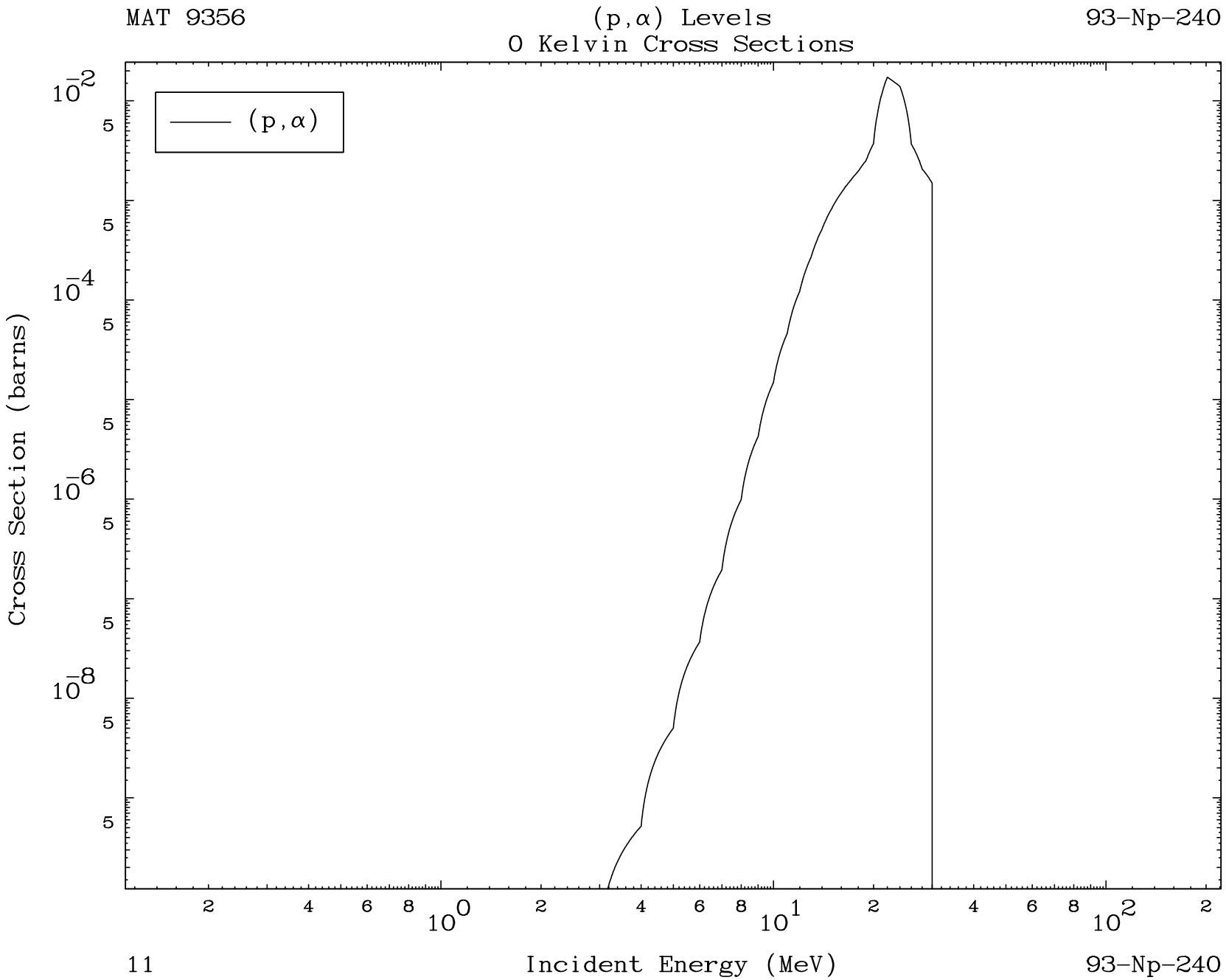

MAT 9356
(p,n') Level
93-Np-240
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
93-Np-240

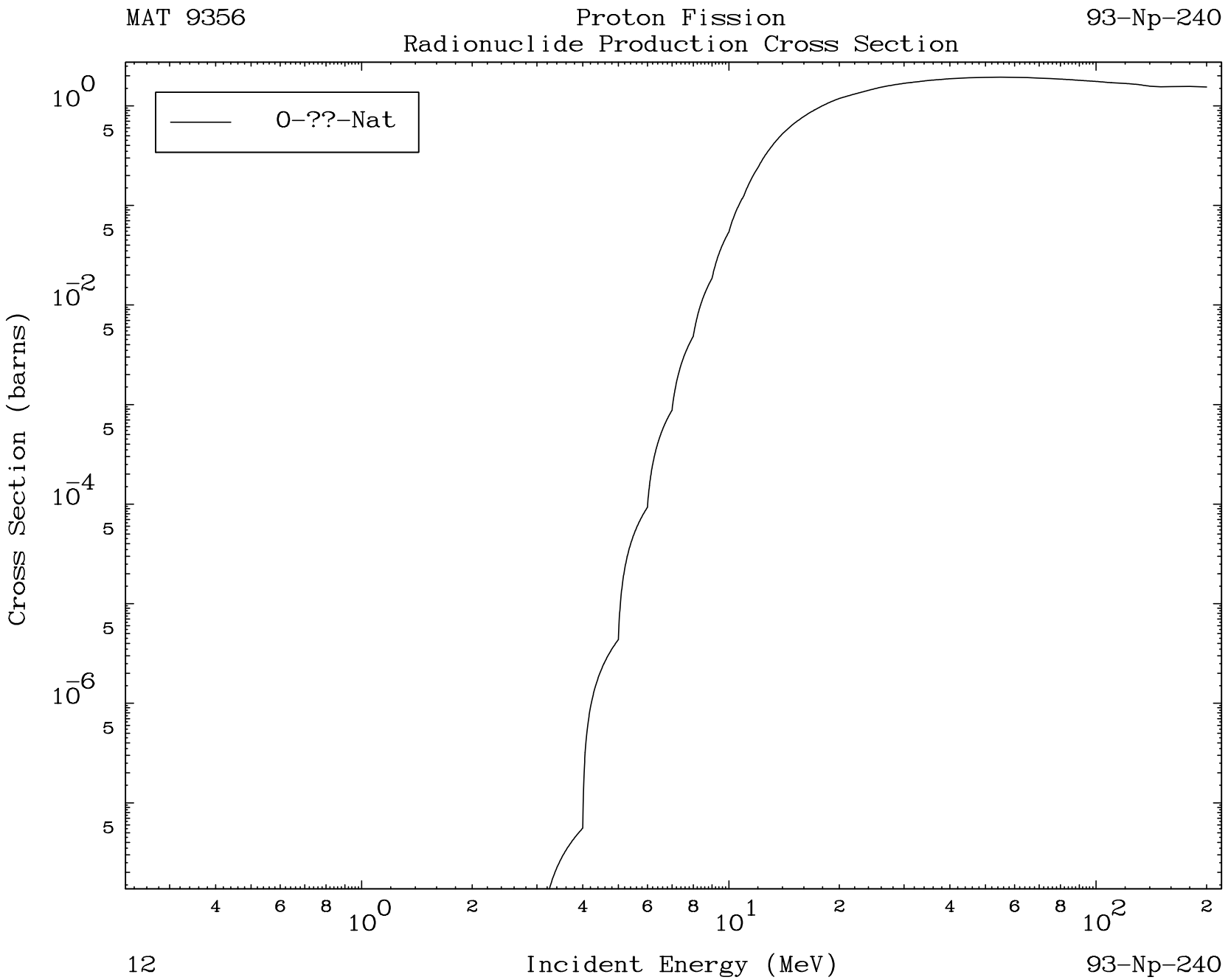

MAT 9356
(p,p) Levels
93-Np-240
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
93-Np-240

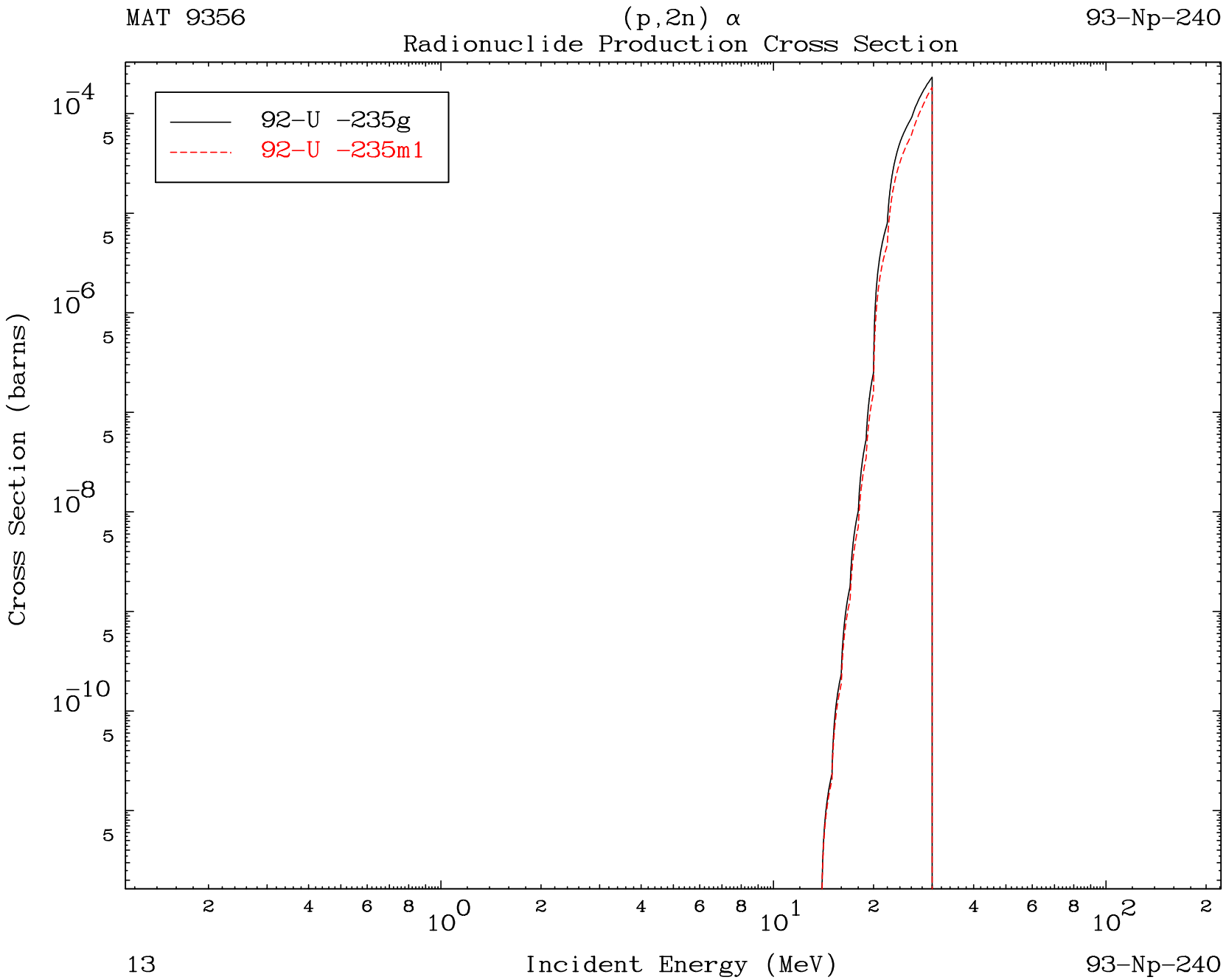

MAT 9356
(p,d) Levels
93-Np-240
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
8
93-Np-240

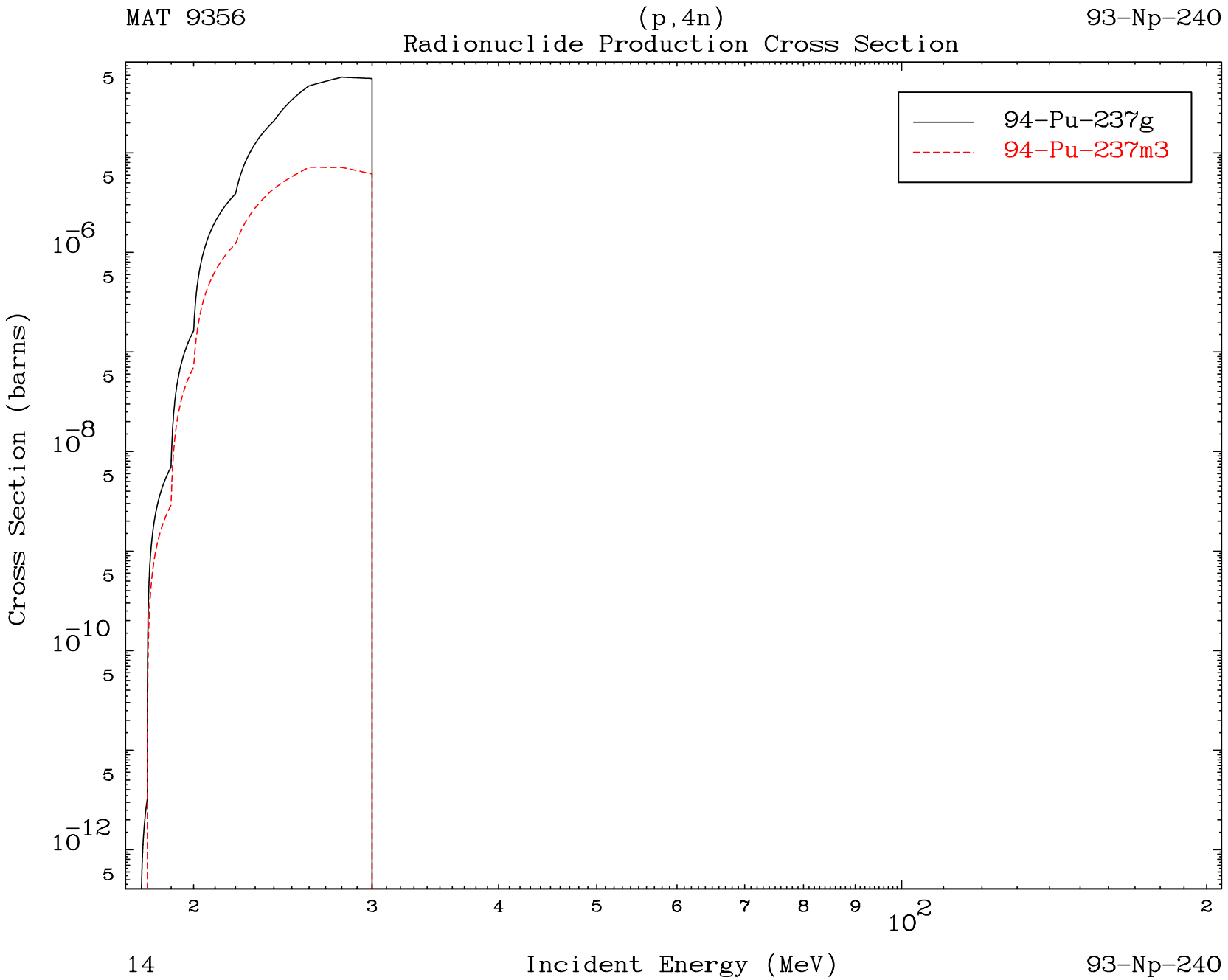

MAT 9356
(p,t) Levels
93-Np-240
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
Incident Energy (MeV)
9
93-Np-240

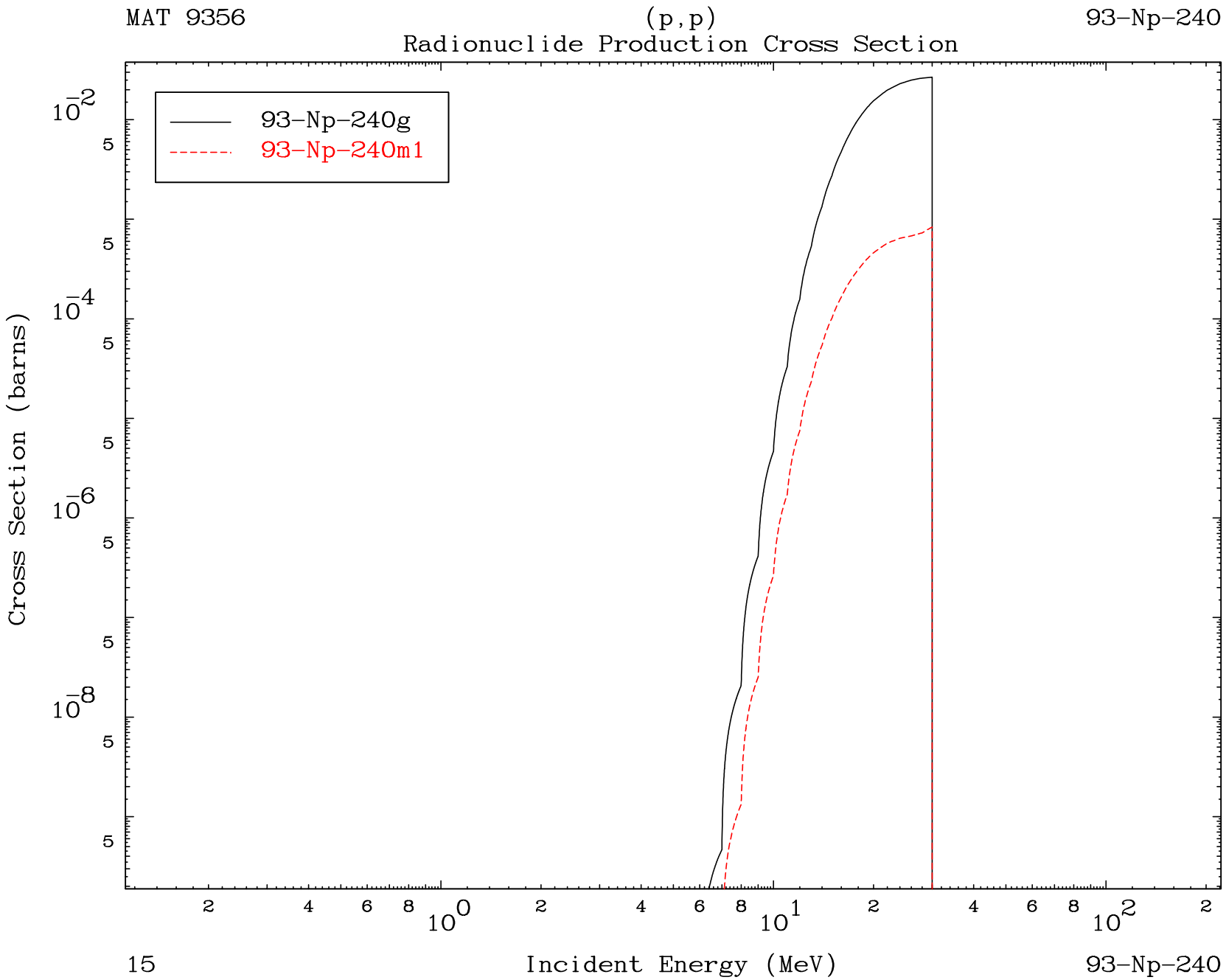

MAT 9356
(p,He3) Levels
93-Np-240
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
93-Np-240


MAT 9356
(p,α) Levels
93-Np-240
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
93-Np-240


MAT 9356
Proton Fission
93-Np-240
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
93-Np-240


MAT 9356
(p,2n) α
93-Np-240
Radionuclide Production Cross Section
92-U -235g
92-U -235m1
Cross Section (barns)
Incident Energy (MeV)
13
93-Np-240


MAT 9356
(p,4n)
93-Np-240
Radionuclide Production Cross Section
94-Pu-237g
94-Pu-237m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
14
93-Np-240


MAT 9356
(p,p)
93-Np-240
Radionuclide Production Cross Section
93-Np-240g
93-Np-240m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
15
Incident Energy (MeV)
93-Np-240