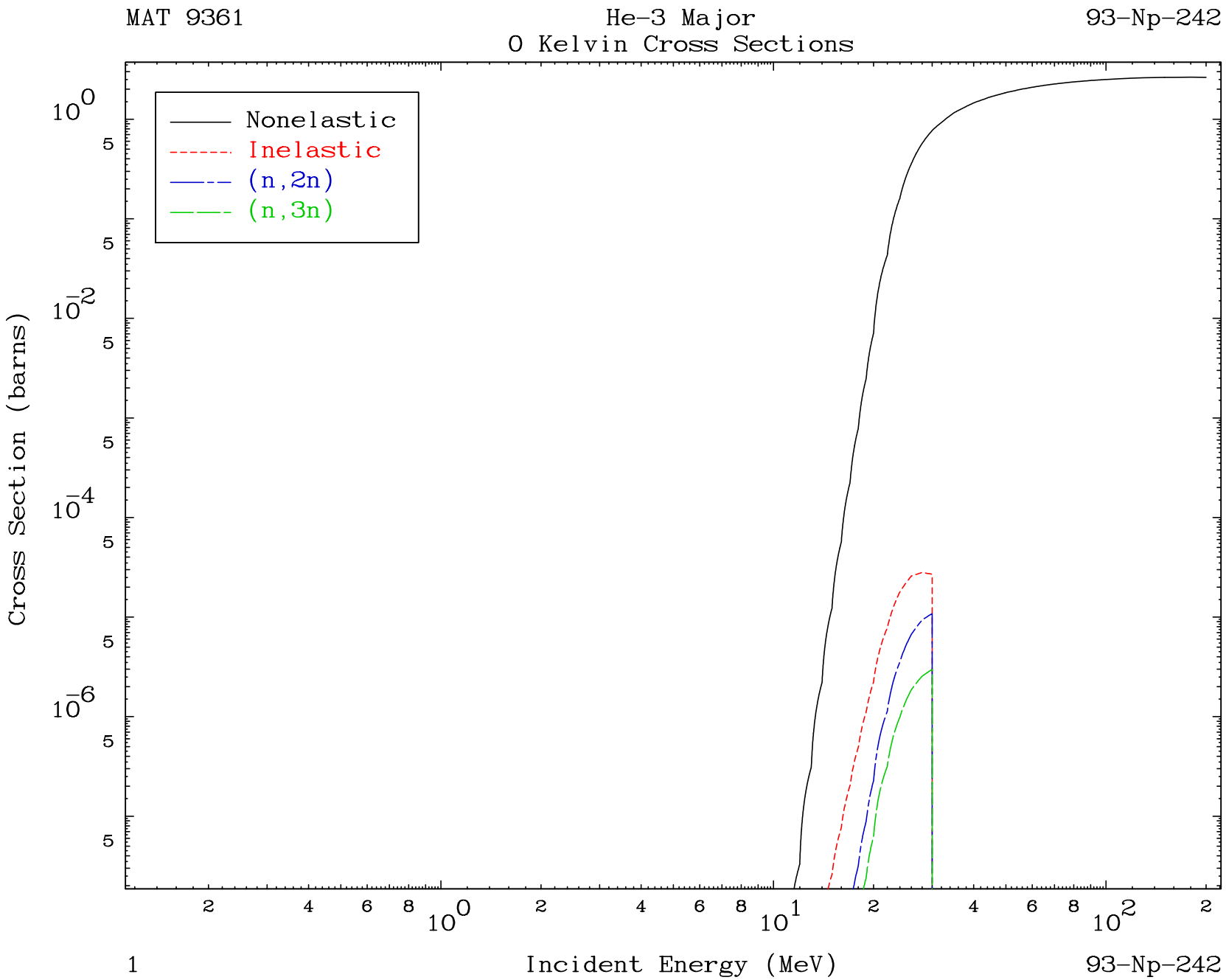
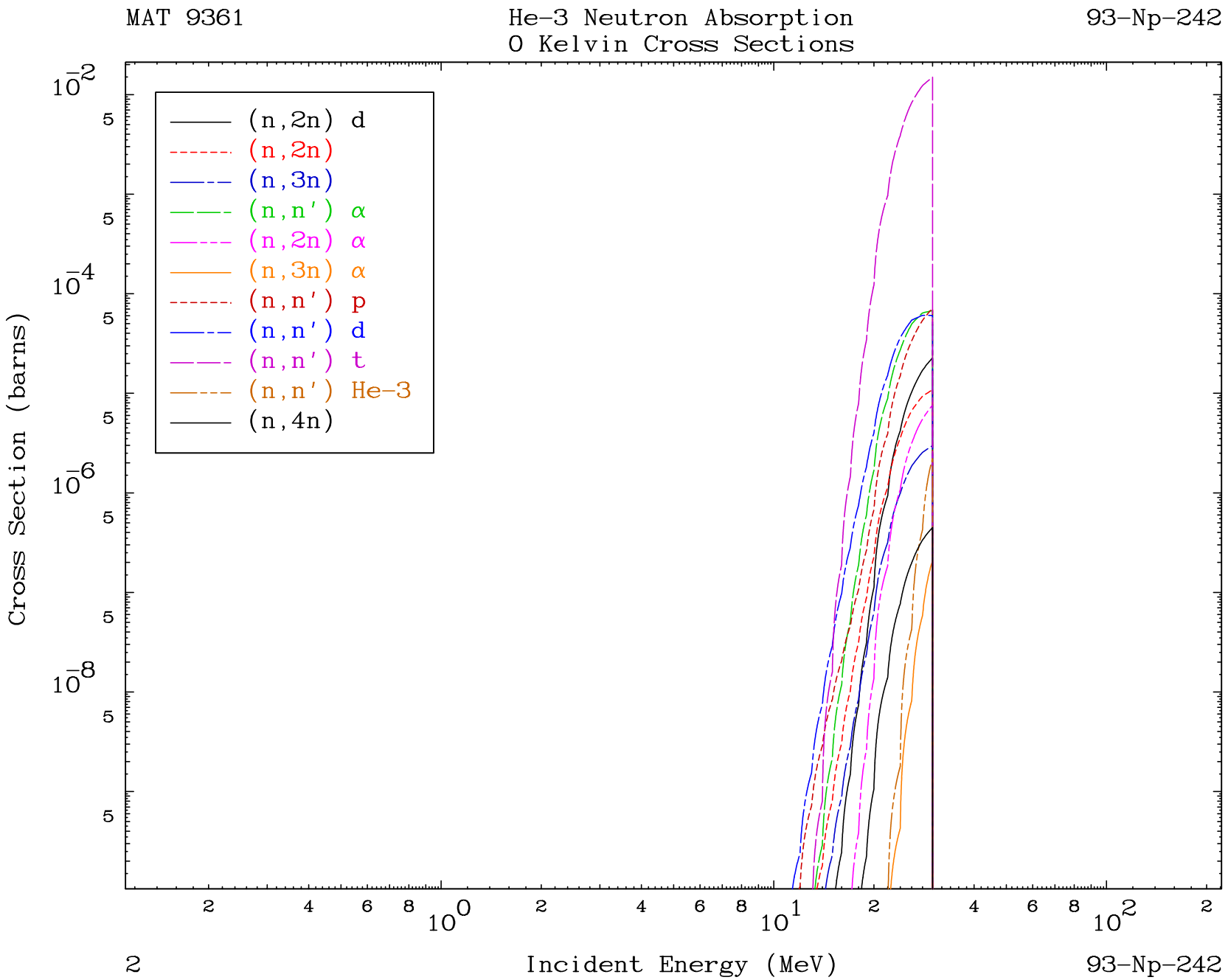
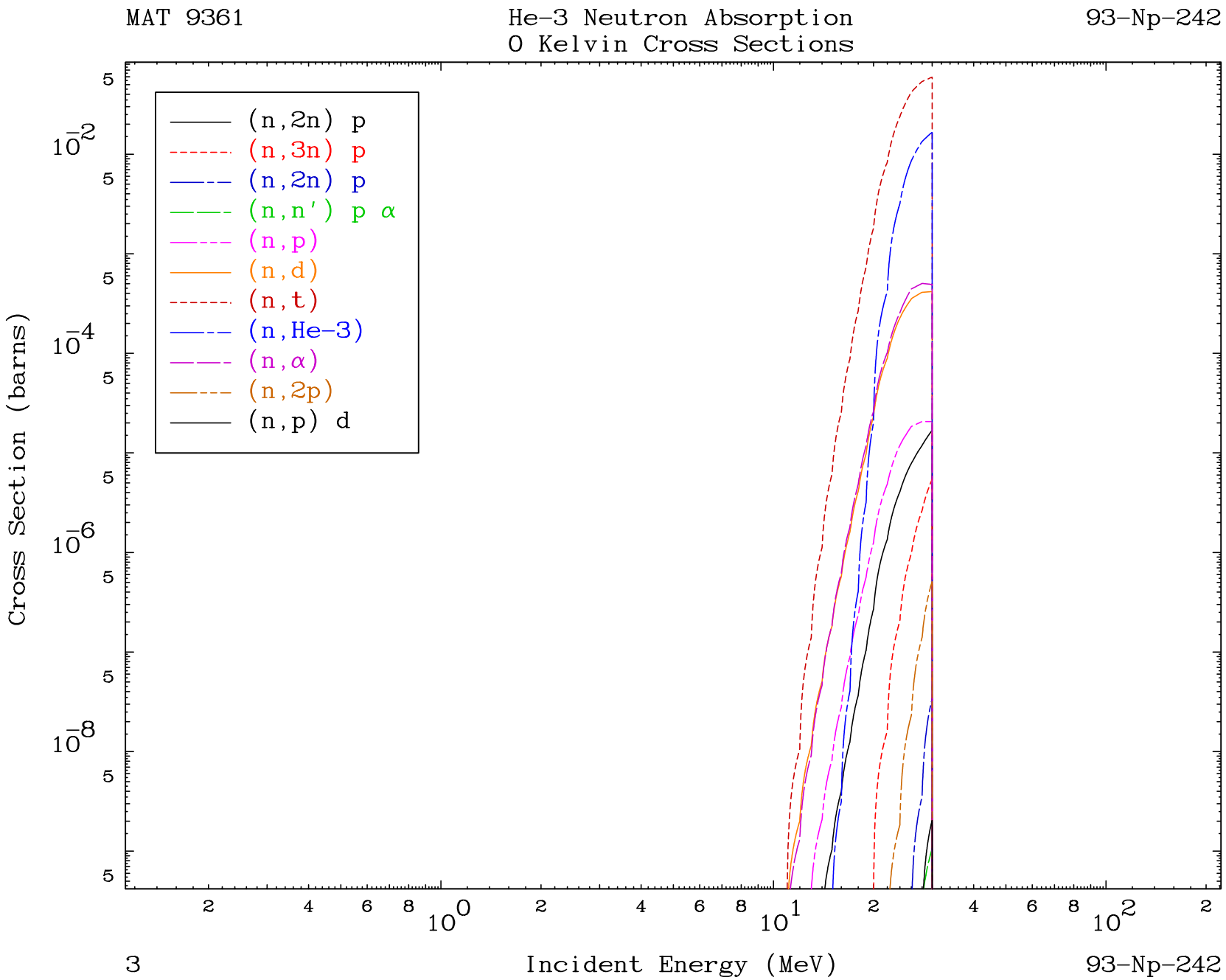
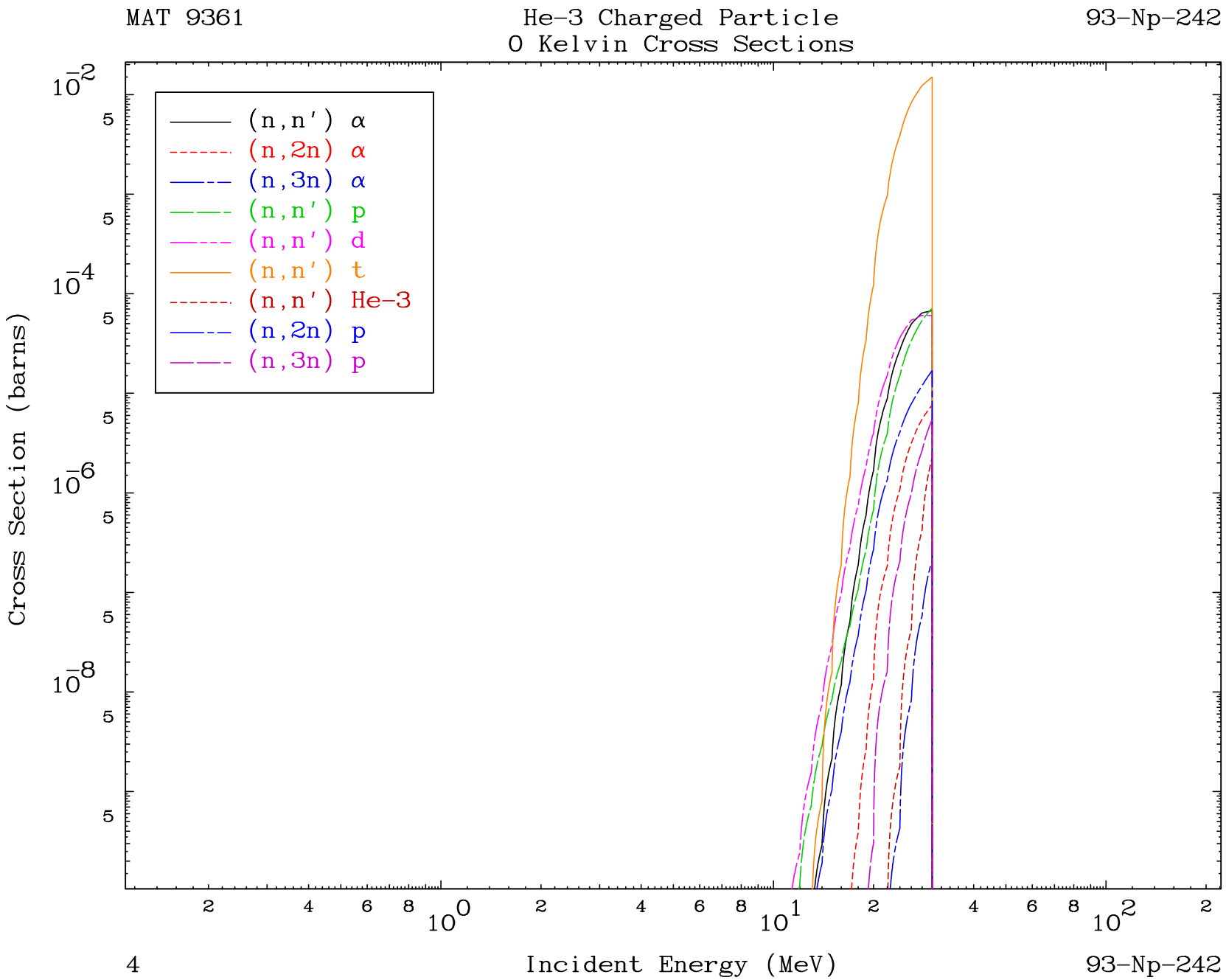
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

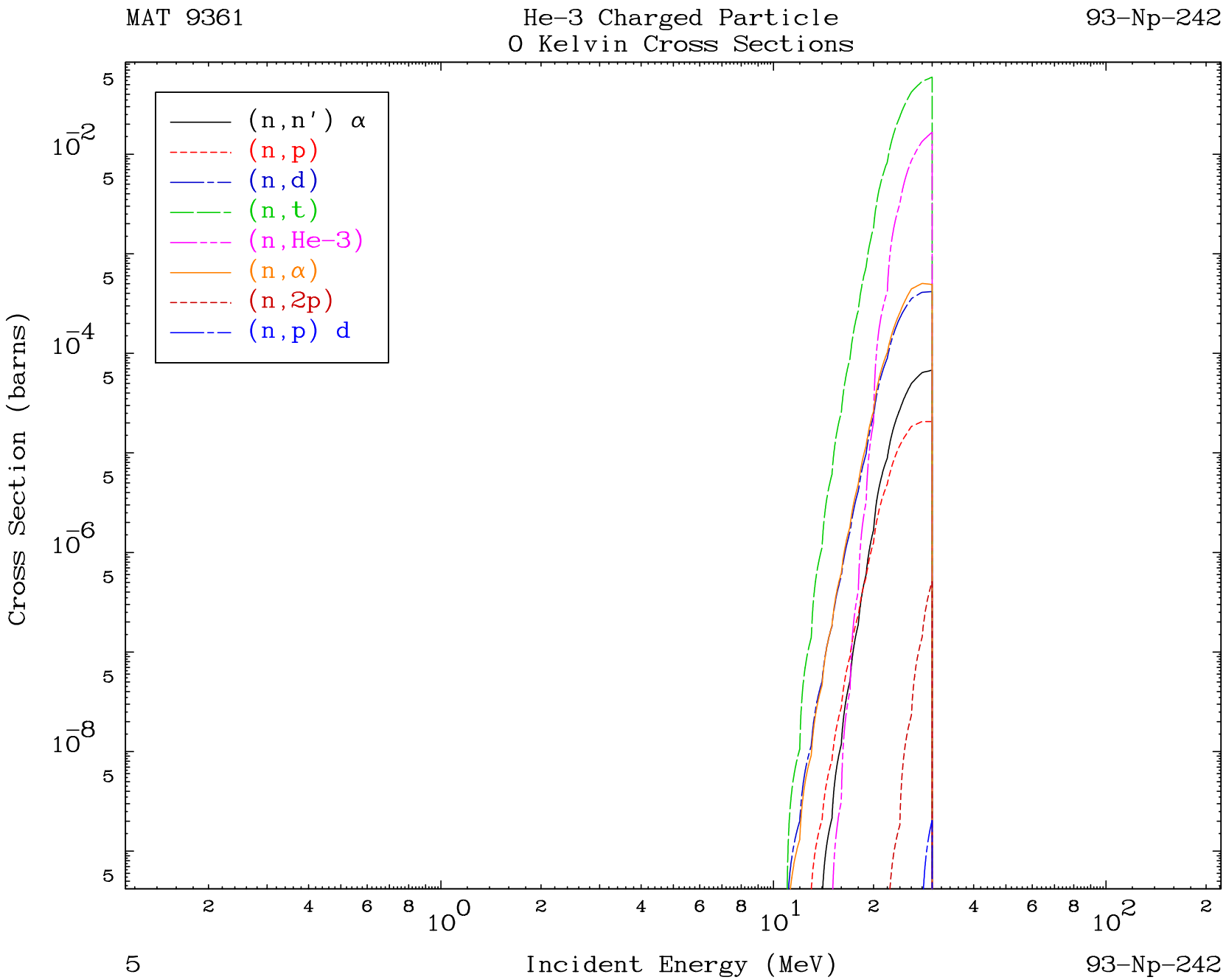
Press Mouse Button to Start

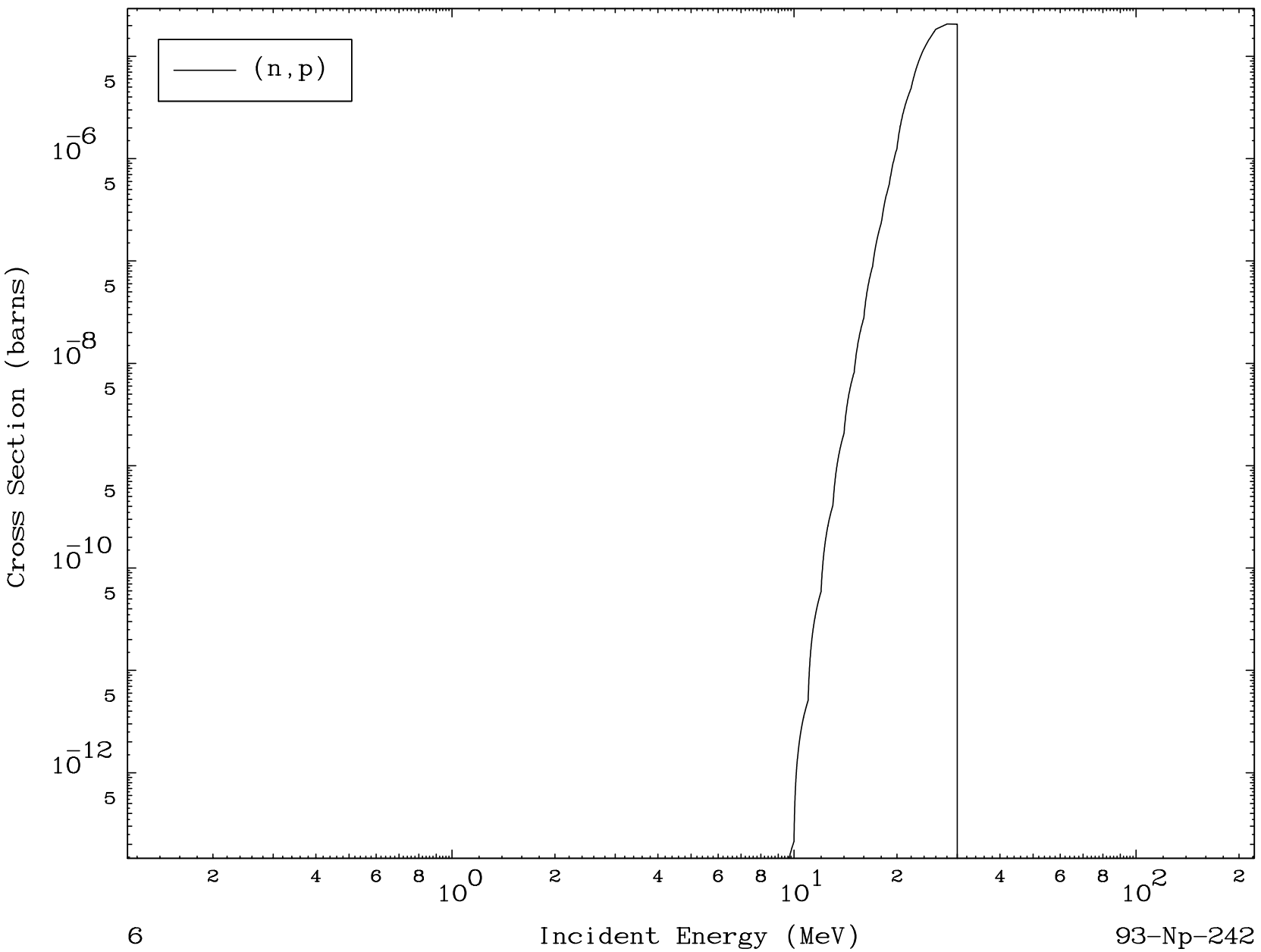

MAT 9361
He-3 Major
93-Np-242
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Cross Section (barns)
Incident Energy (MeV)
93-Np-242
1

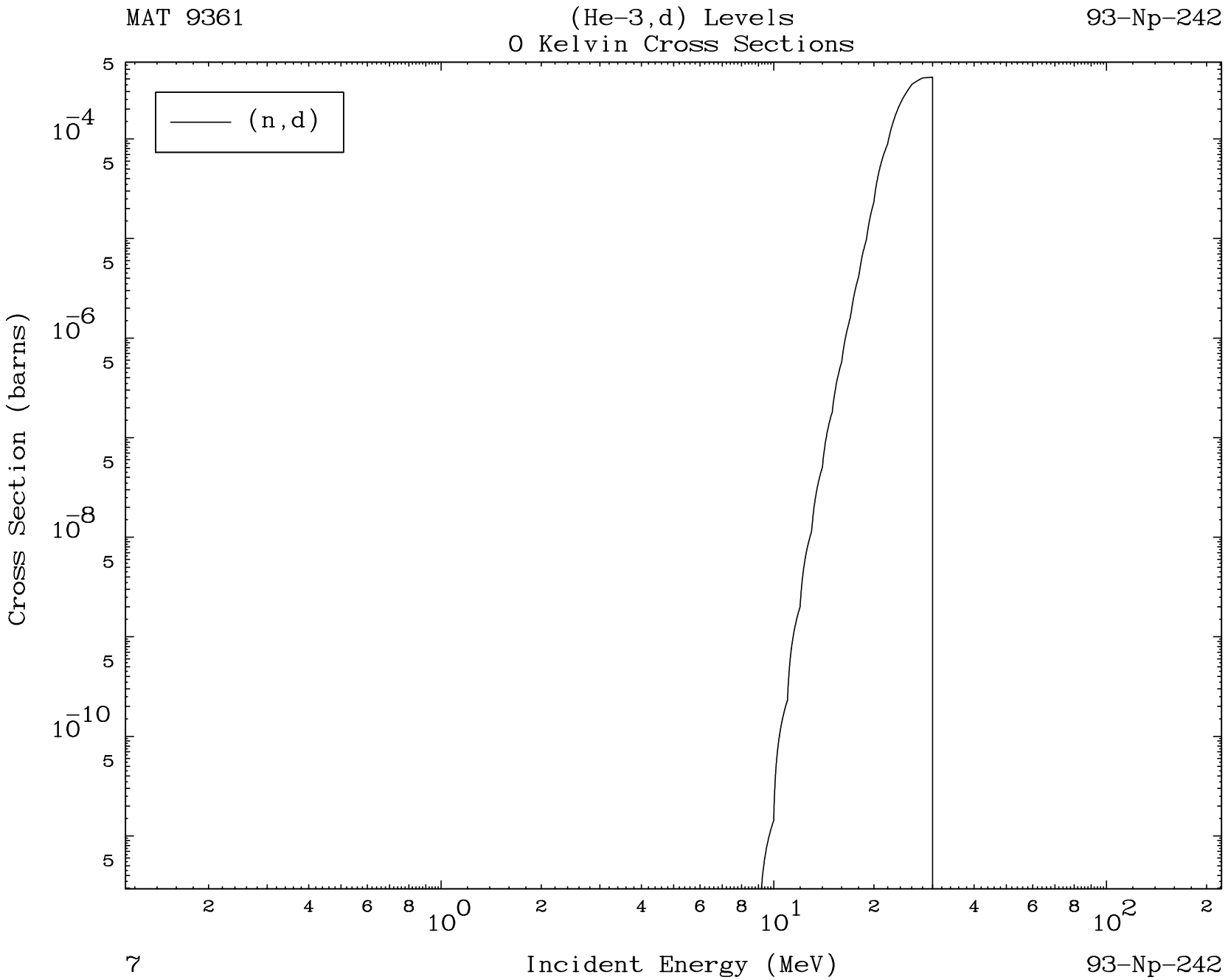

MAT 9361
He-3 Neutron Absorption
0 Kelvin Cross Sections
93-Np-242
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
Cross Section (barns)
Incident Energy (MeV)
93-Np-242

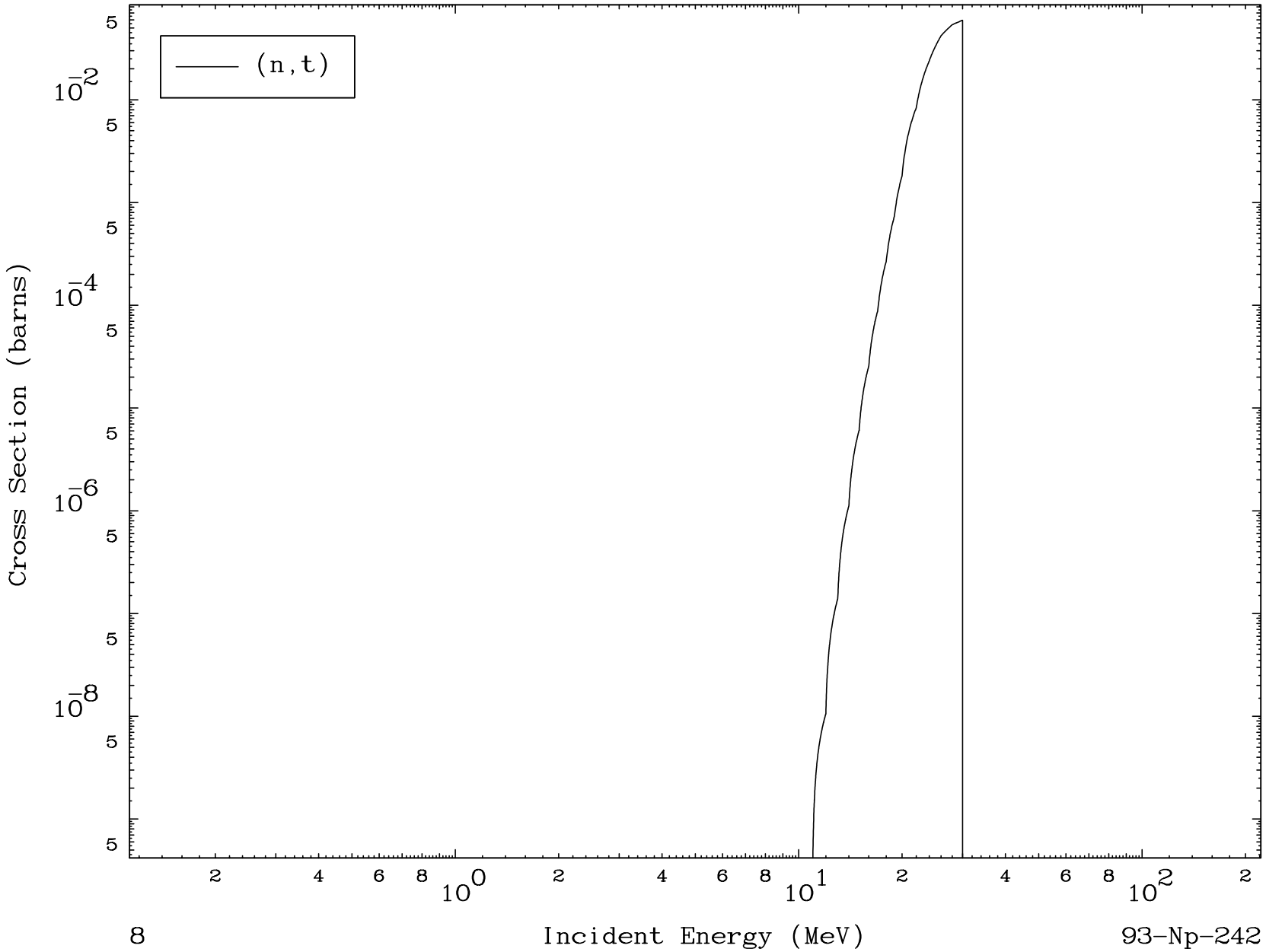

MAT 9361
He-3 Neutron Absorption
0 Kelvin Cross Sections
93-Np-242
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
3
93-Np-242

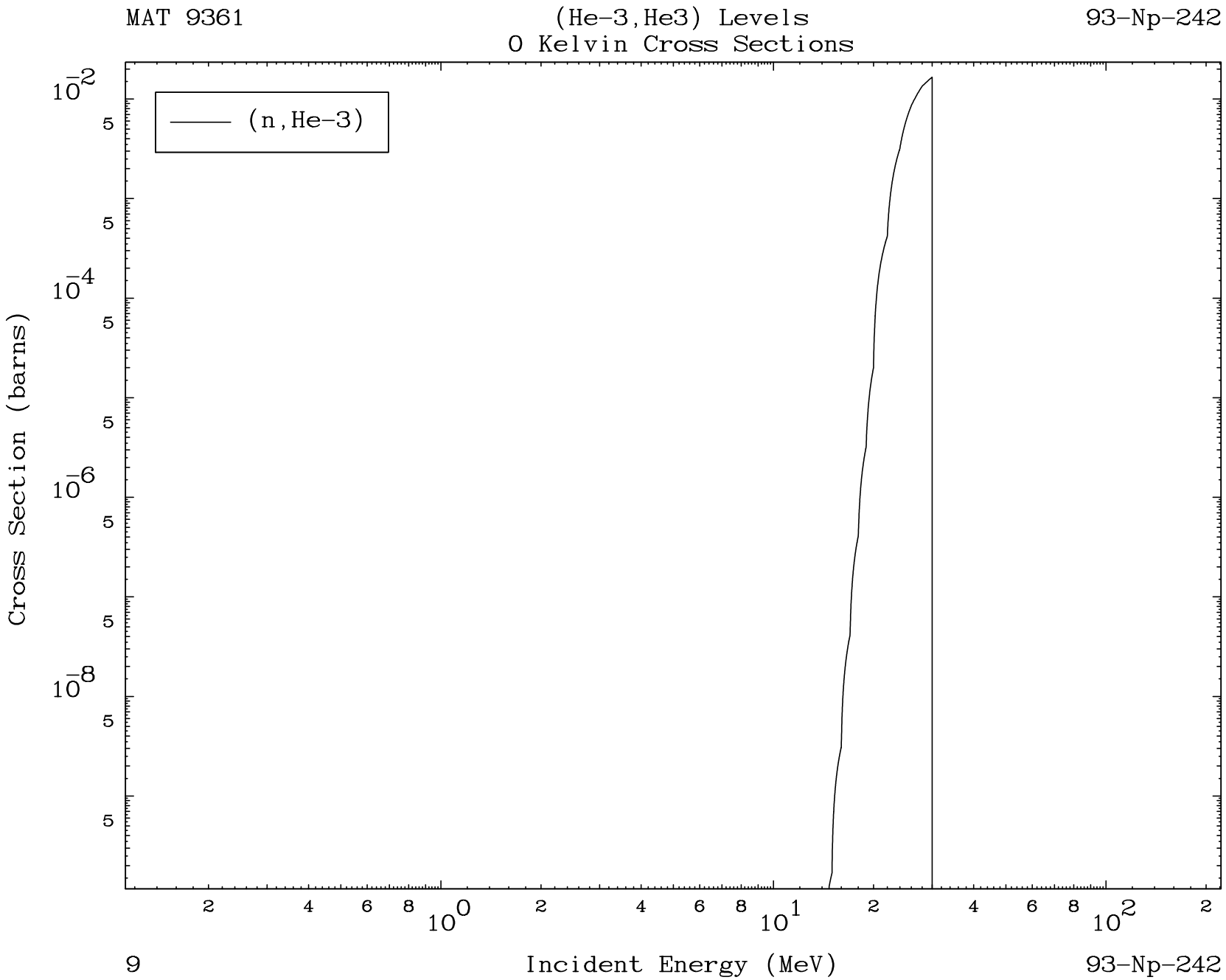

MAT 9361
He-3 Charged Particle
0 Kelvin Cross Sections
93-Np-242
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
93-Np-242

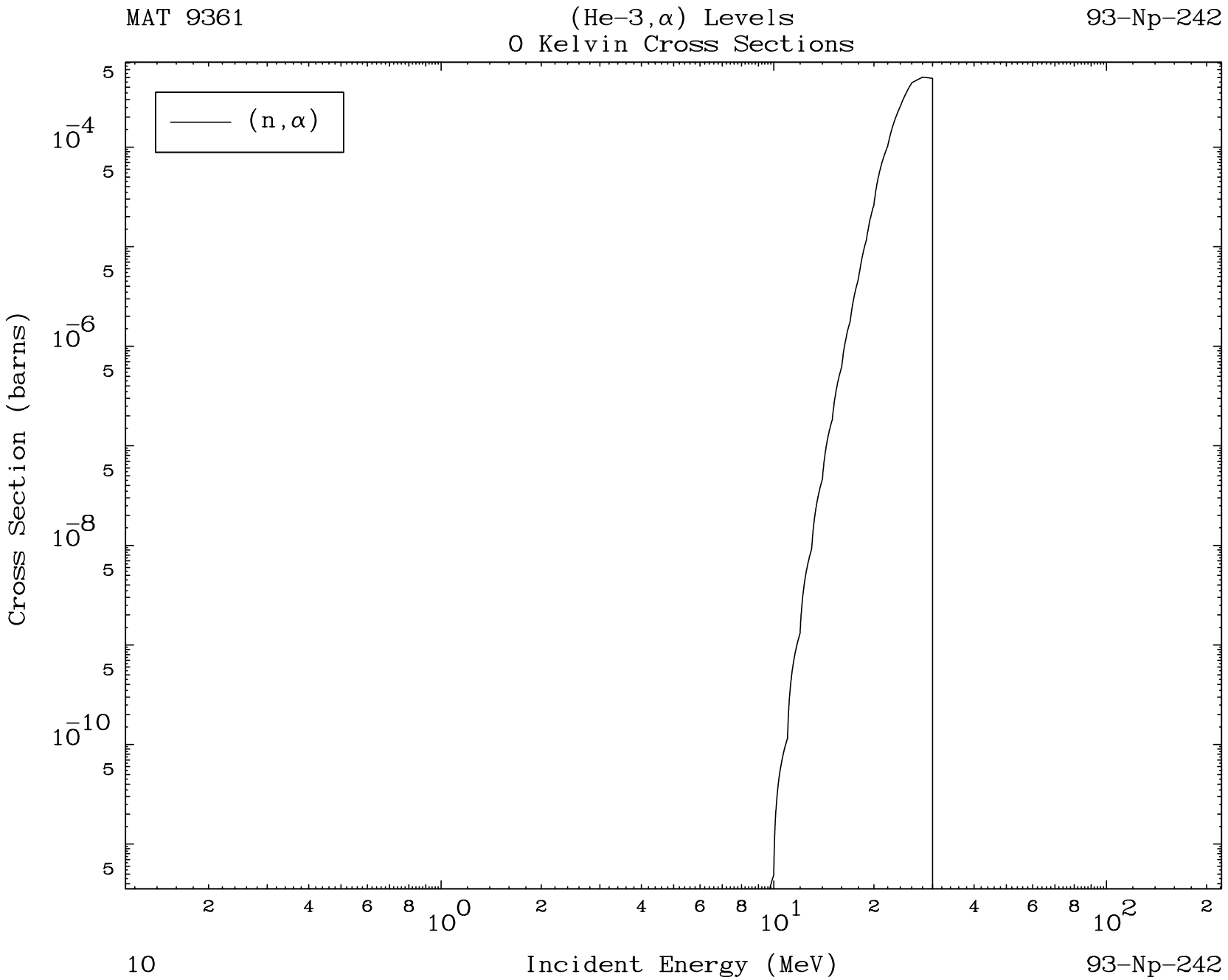

MAT 9361
He-3 Charged Particle
0 Kelvin Cross Sections
93-Np-242
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
93-Np-242

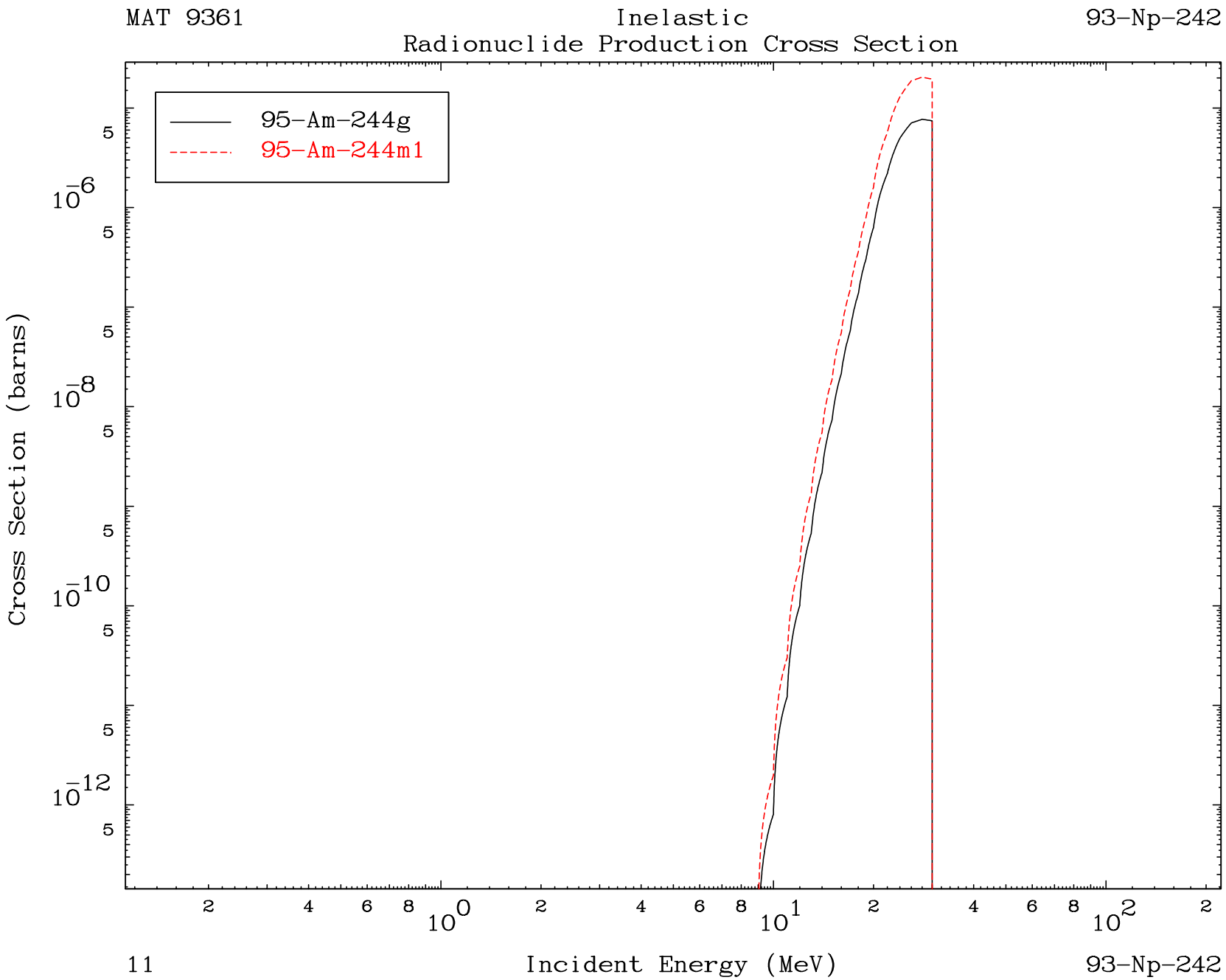

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
4
6
8
100
101
102
Incident Energy (MeV)

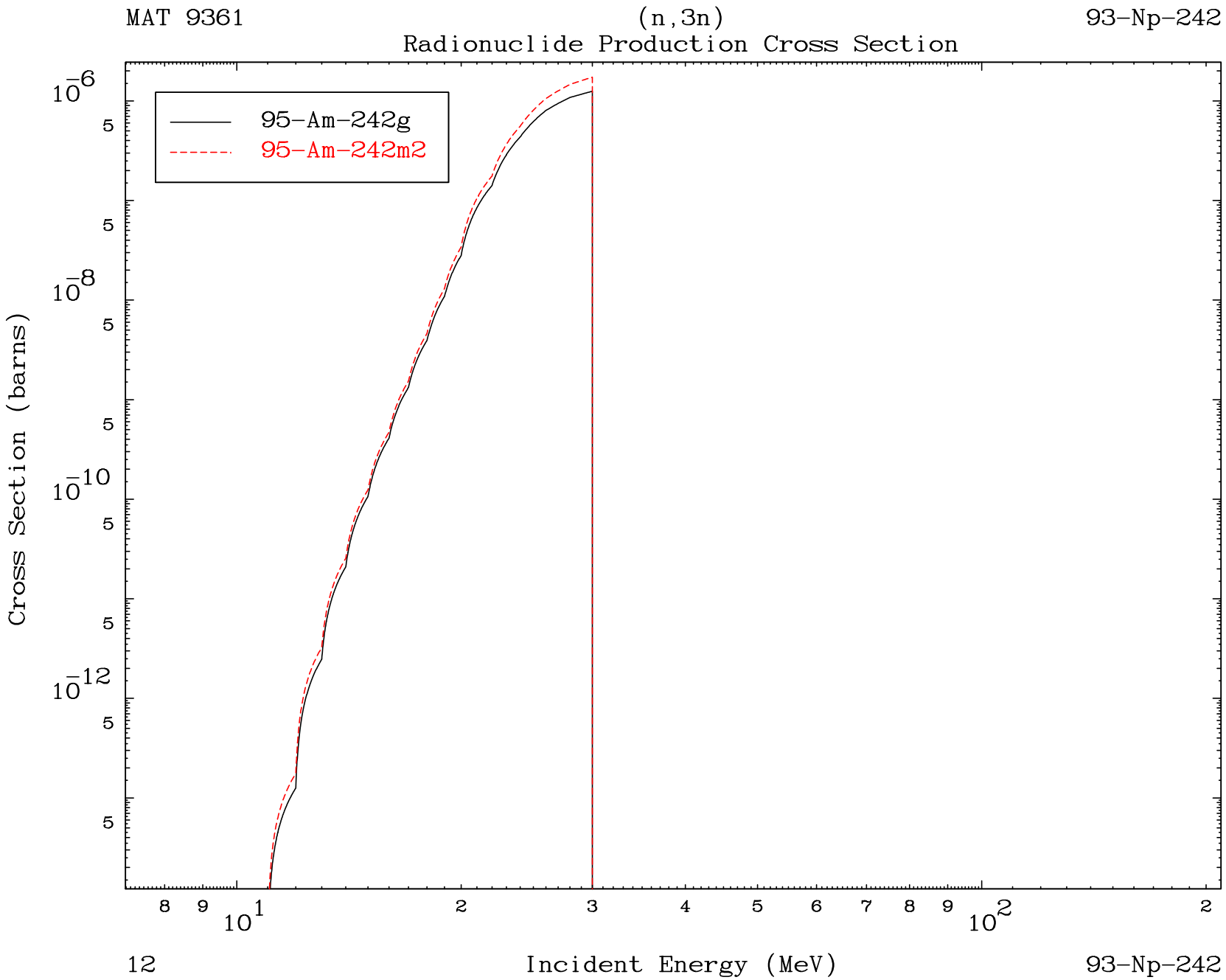

MAT 9361
(He-3,d) Levels
93-Np-242
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
7
93-Np-242

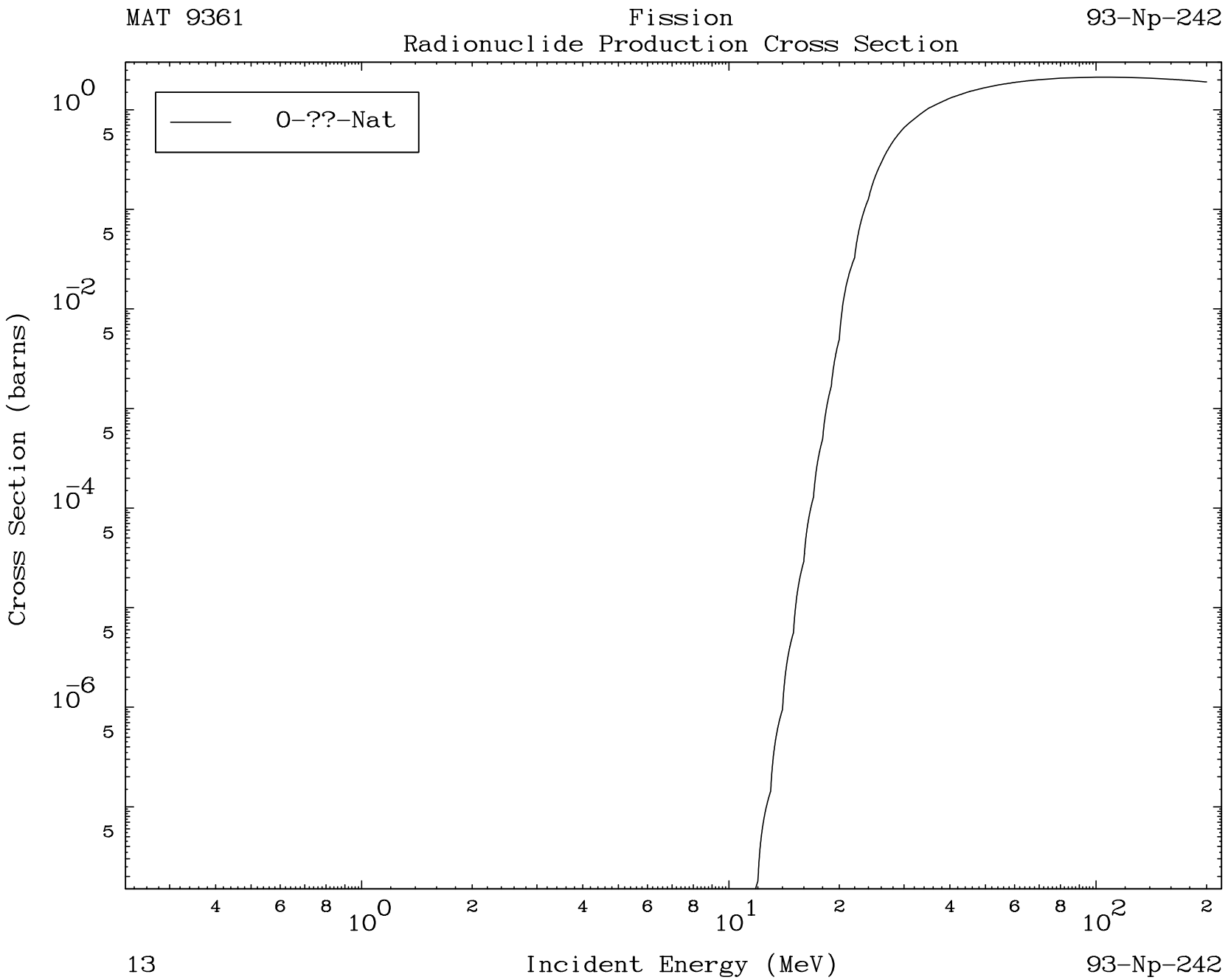

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)

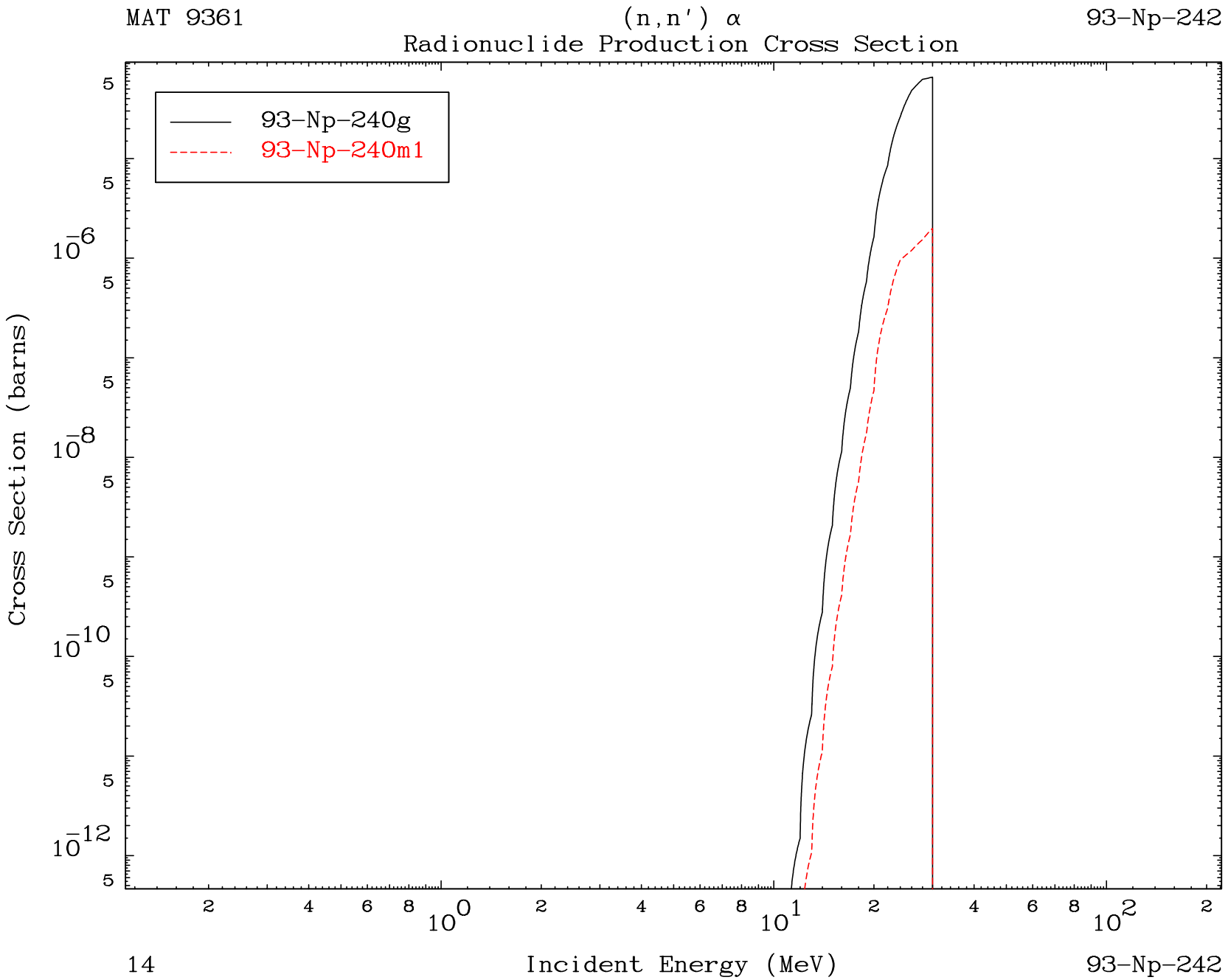

MAT 9361
(He-3,He3) Levels
93-Np-242
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
93-Np-242

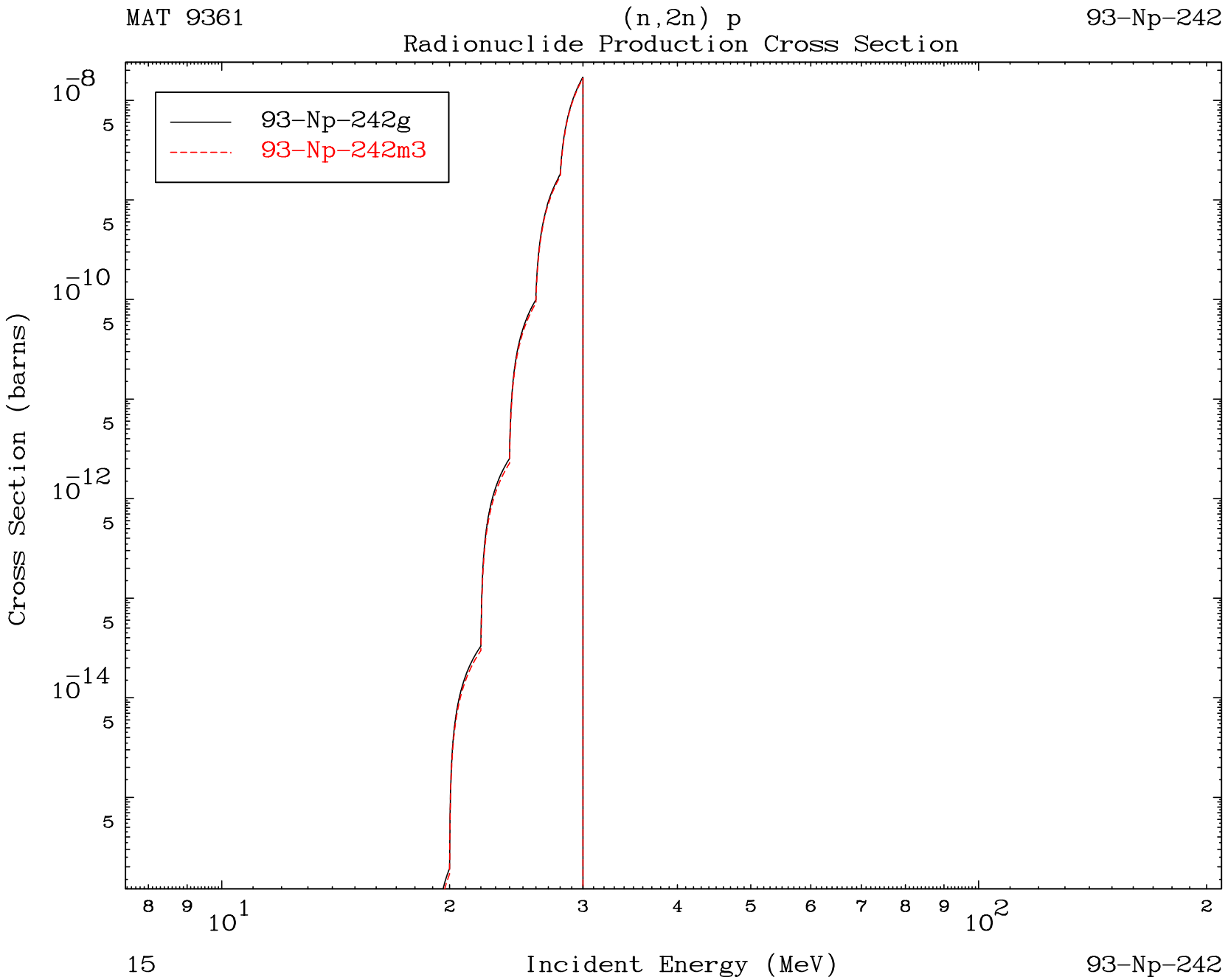

MAT 9361
(He-3,α) Levels
93-Np-242
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
93-Np-242

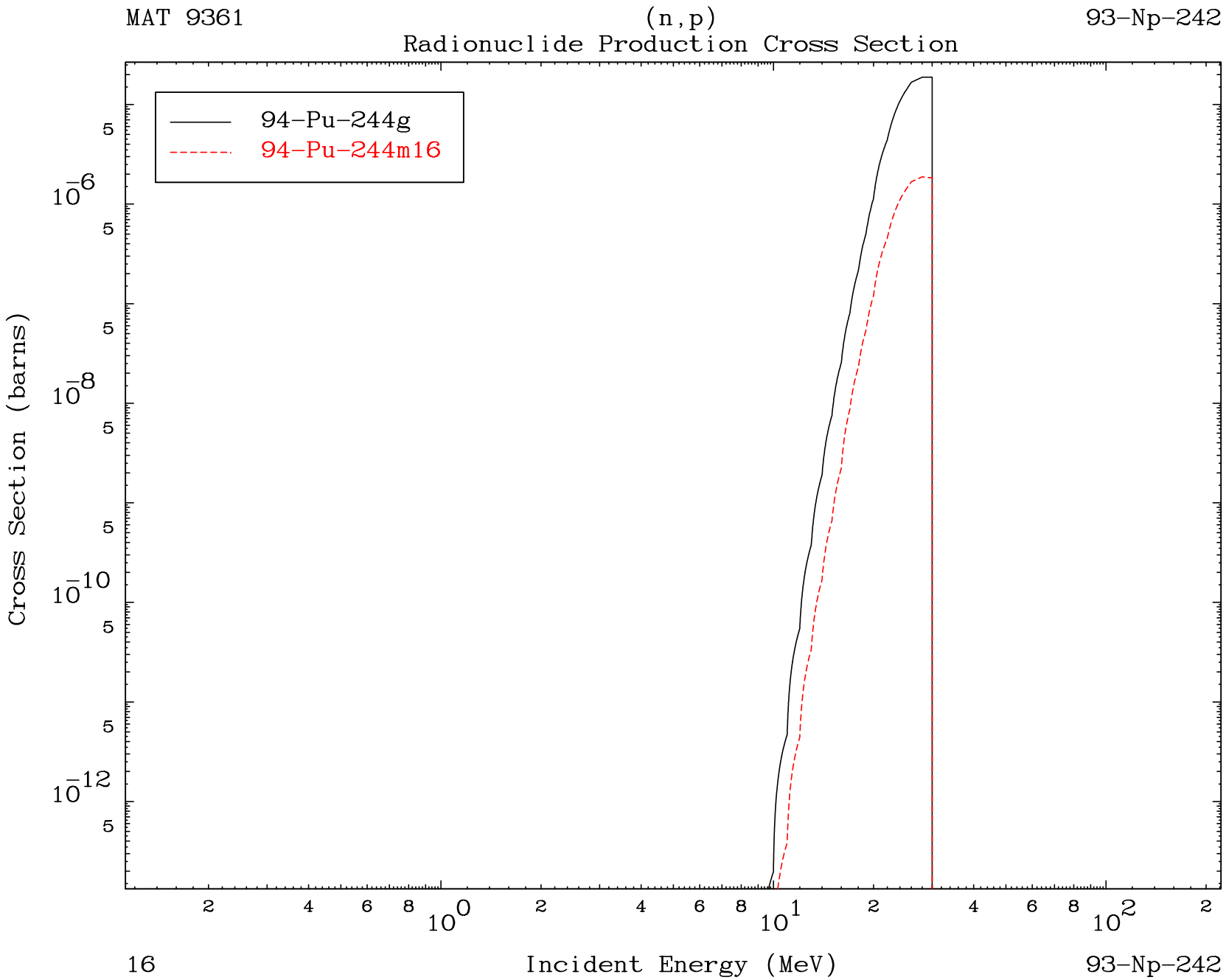

MAT 9361
Inelastic
93-Np-242
Radionuclide Production Cross Section
95-Am-244g
95-Am-244m1
Cross Section (barns)
Incident Energy (MeV)
11
93-Np-242

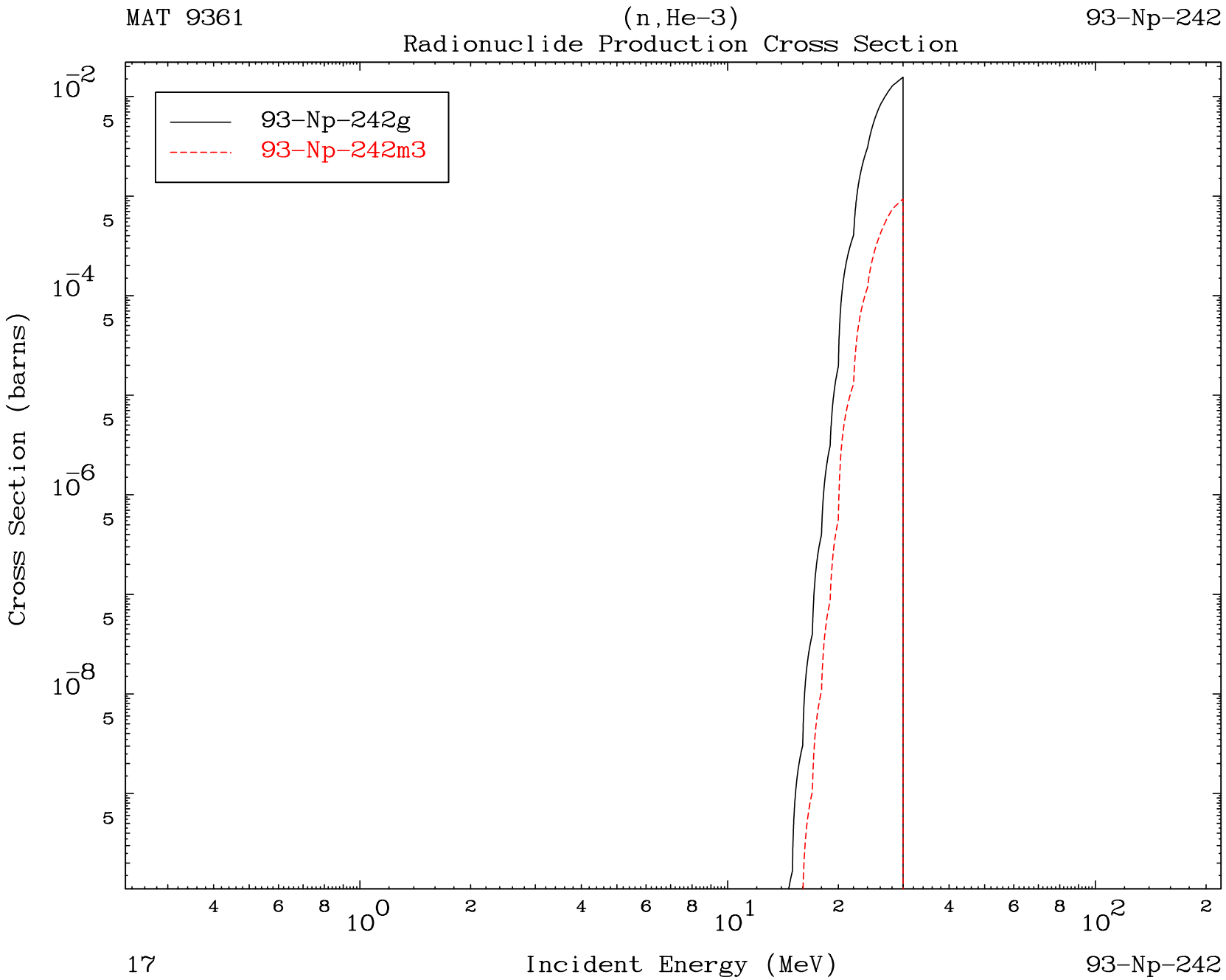

MAT 9361
(n,3n)
93-Np-242
Radionuclide Production Cross Section
95-Am-242g
95-Am-242m2
Cross Section (barns)
Incident Energy (MeV)
12
93-Np-242

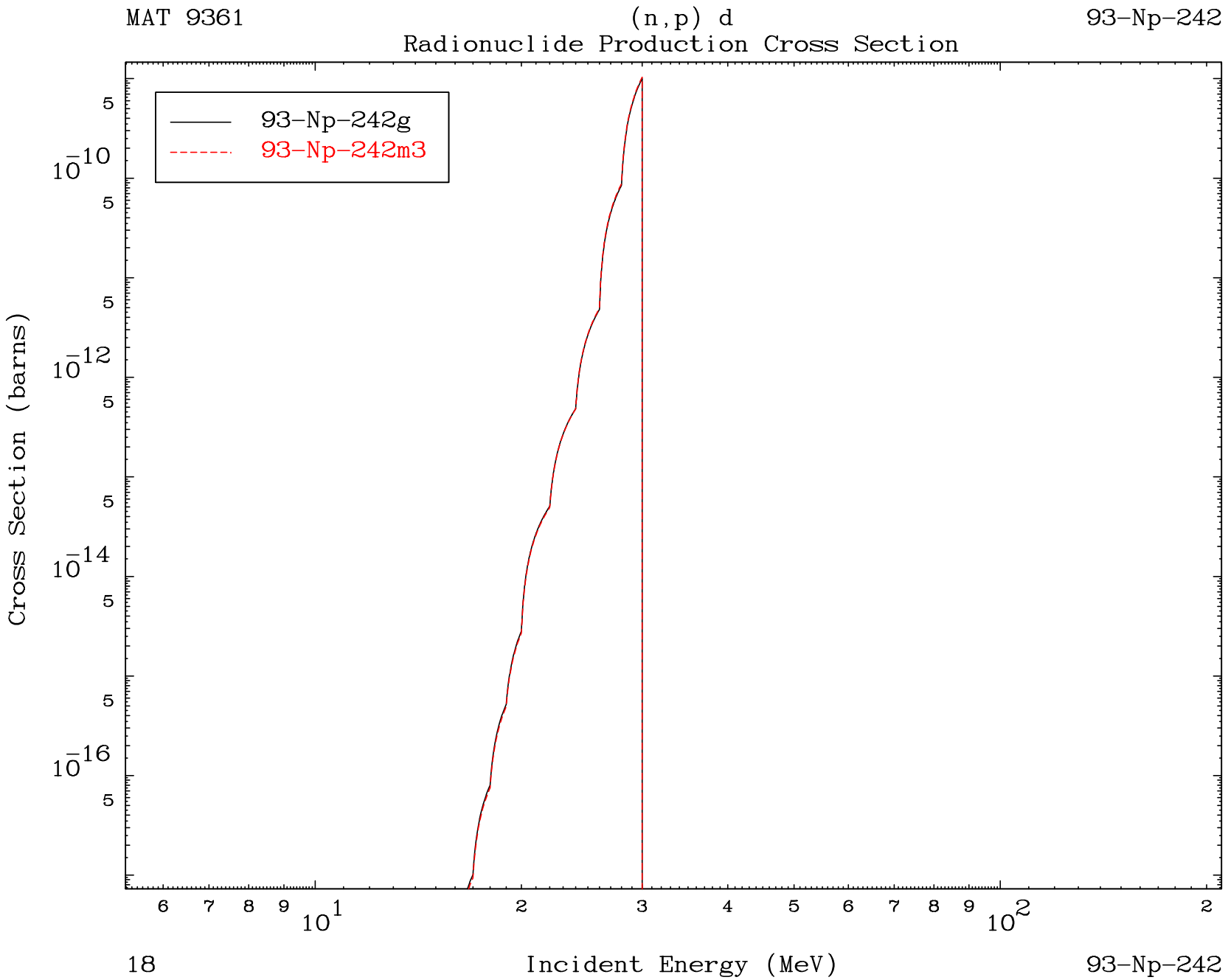

MAT 9361
Fission
93-Np-242
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
13
93-Np-242


MAT 9361
(n,n') α
93-Np-242
Radionuclide Production Cross Section
93-Np-240g
93-Np-240m1
Cross Section (barns)
Incident Energy (MeV)
14
93-Np-242


MAT 9361
(n,2n) p
93-Np-242
Radionuclide Production Cross Section
93-Np-242g
93-Np-242m3
Cross Section (barns)
Incident Energy (MeV)
15
93-Np-242


MAT 9361
(n,p)
93-Np-242
Radionuclide Production Cross Section
94-Pu-244g
94-Pu-244m16
Cross Section (barns)
Incident Energy (MeV)
16
93-Np-242


MAT 9361
(n,He-3)
93-Np-242
Radionuclide Production Cross Section
93-Np-242g
93-Np-242m3
Cross Section (barns)
Incident Energy (MeV)
17
93-Np-242


MAT 9361
(n,p) d
93-Np-242
Radionuclide Production Cross Section
93-Np-242g
93-Np-242m3
Cross Section (barns)
Incident Energy (MeV)
18
93-Np-242