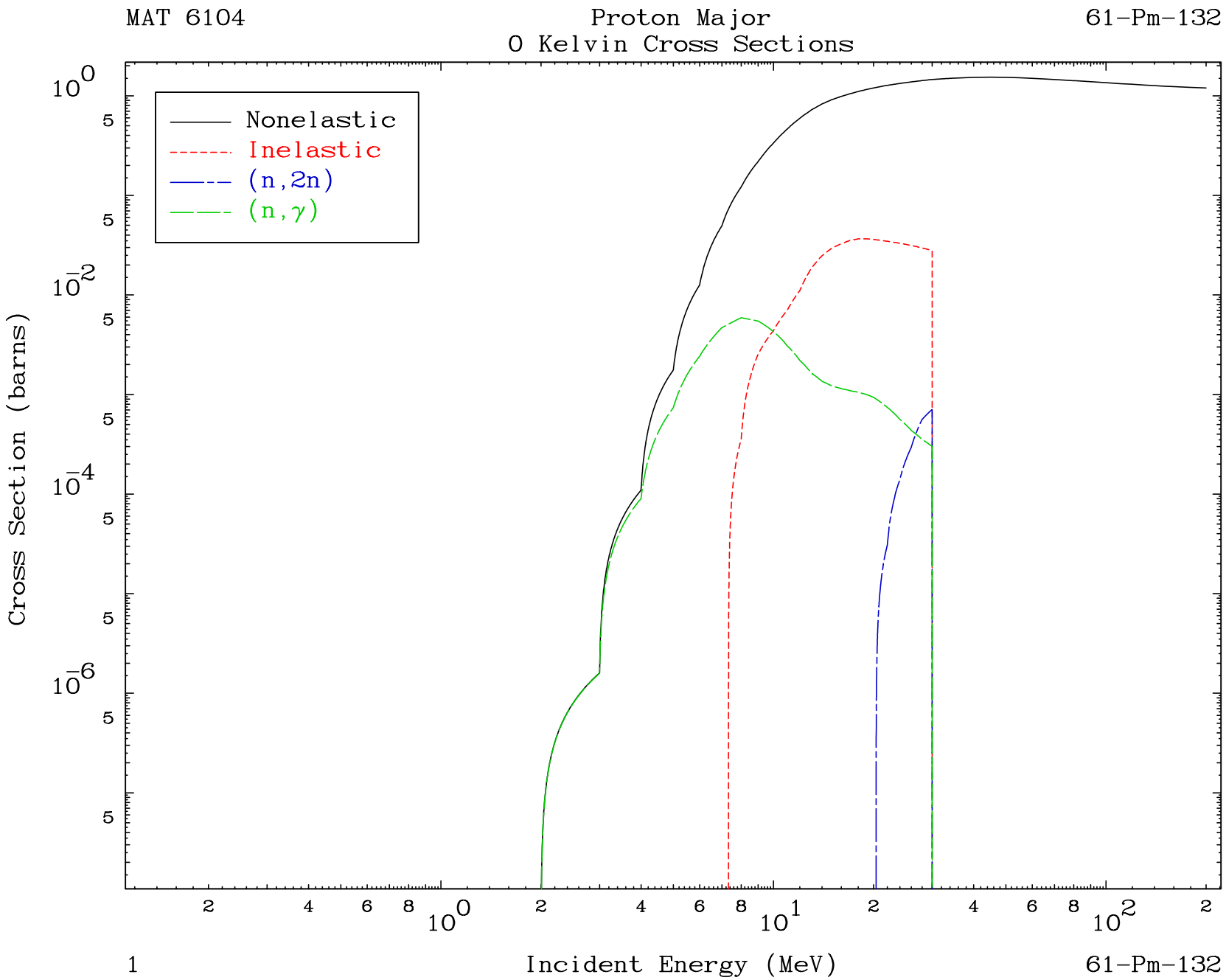
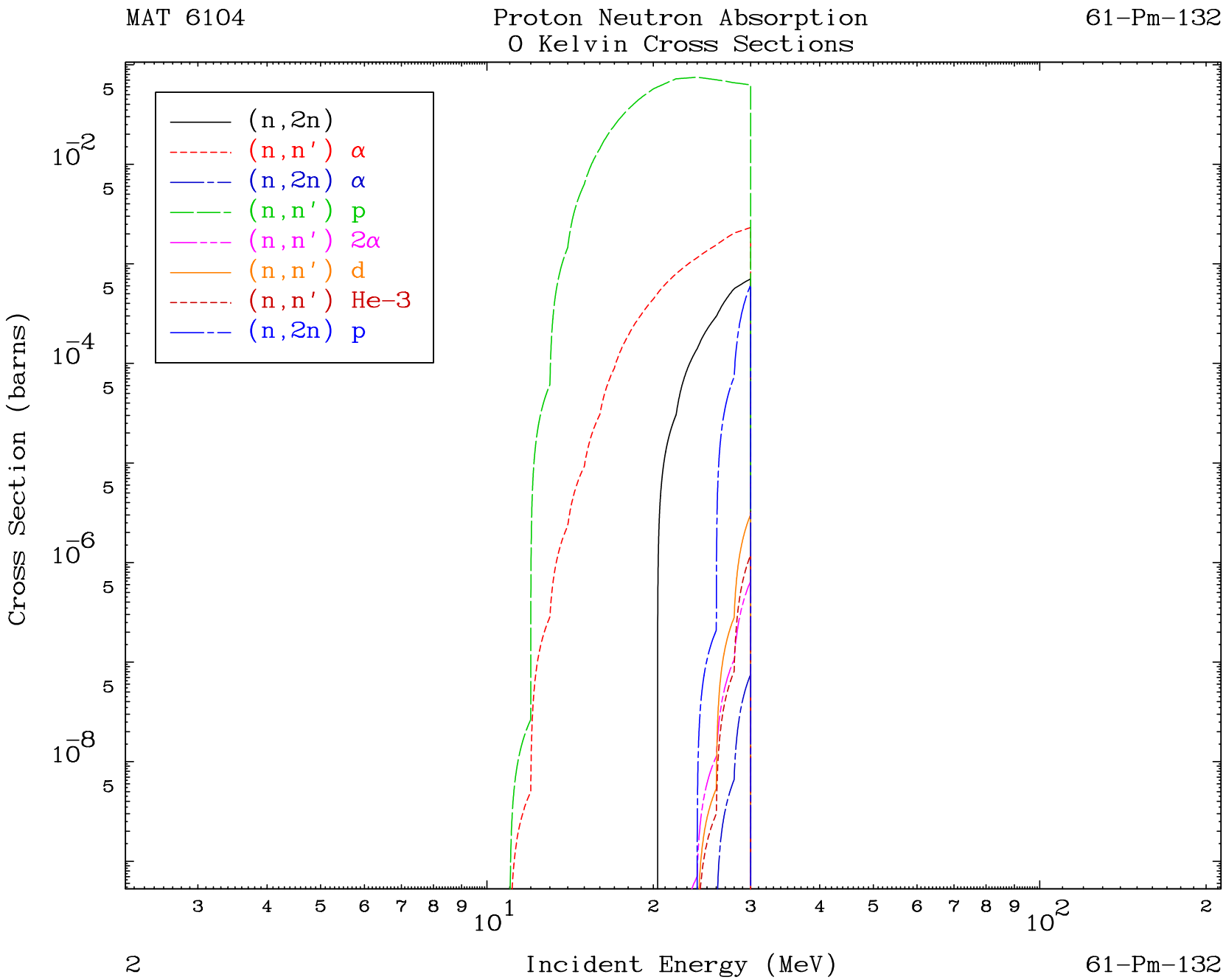
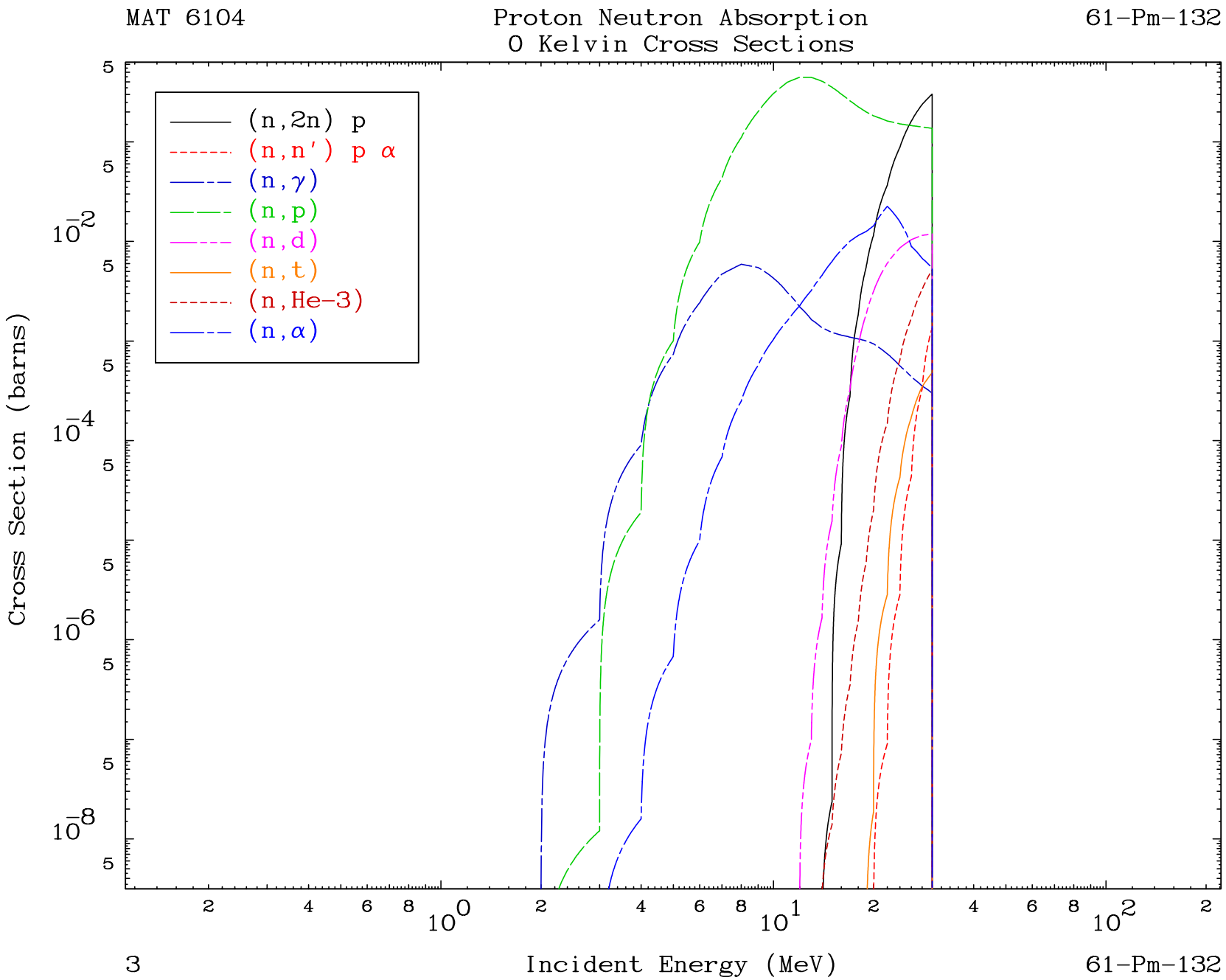
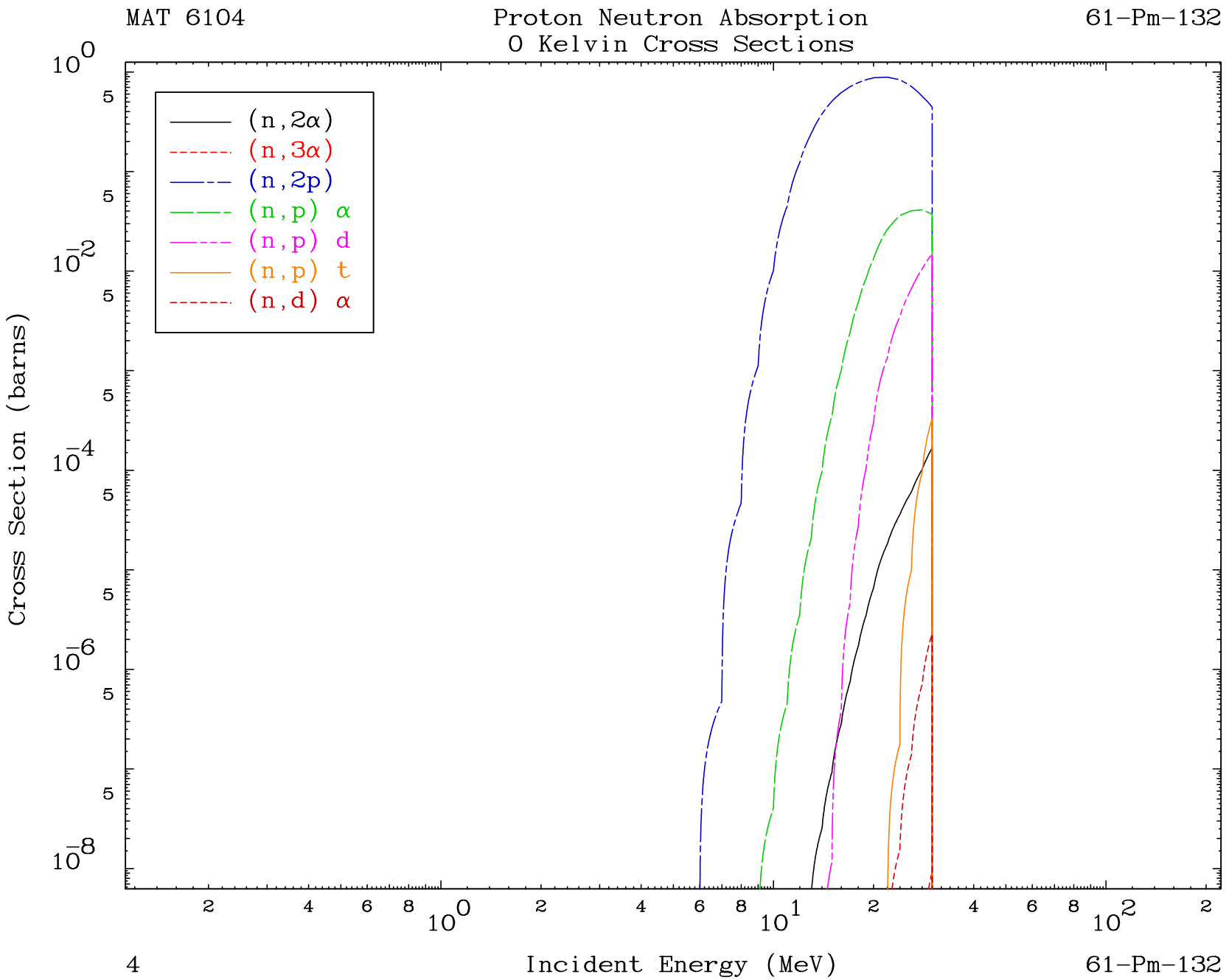
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

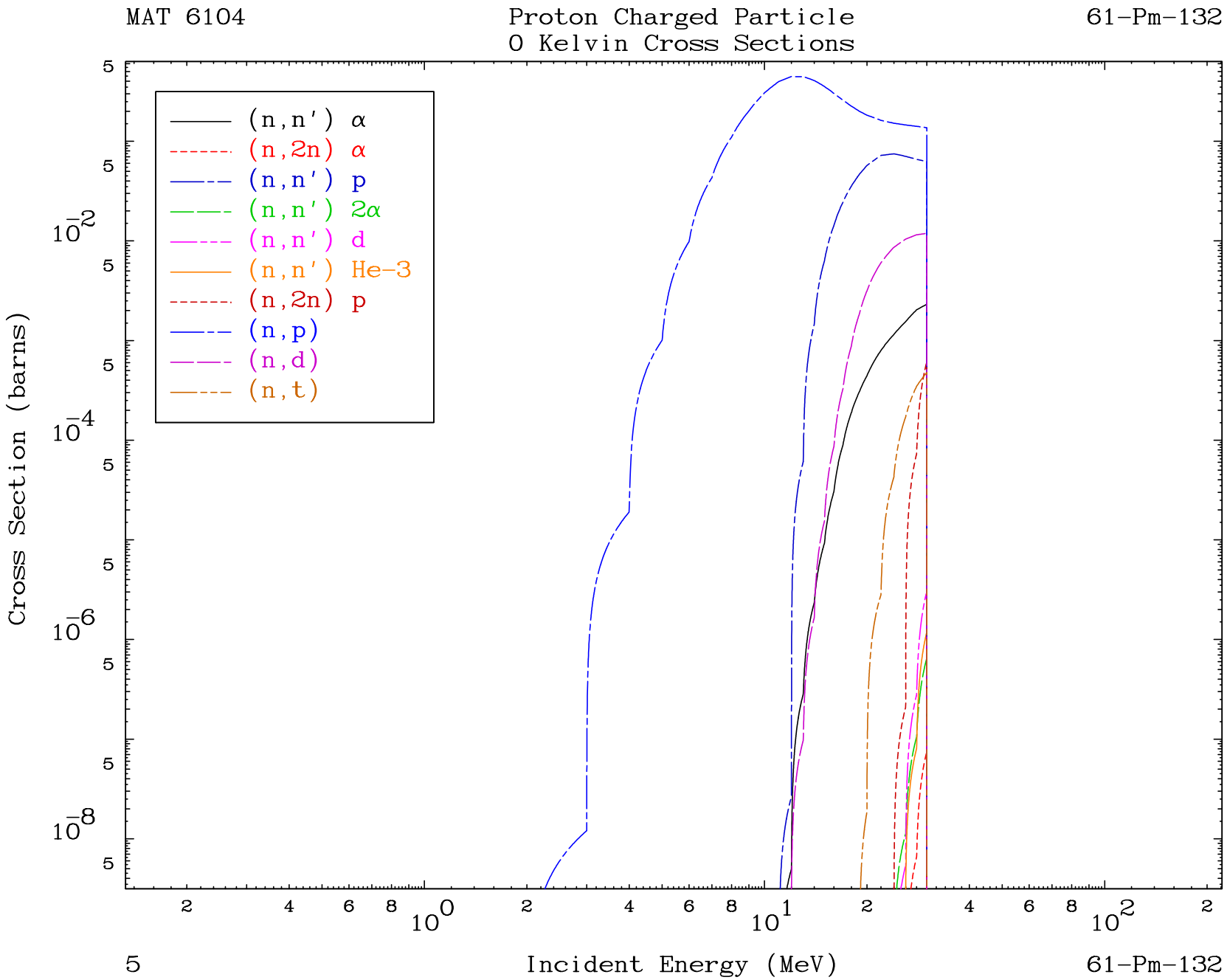
Press Mouse Button to Start

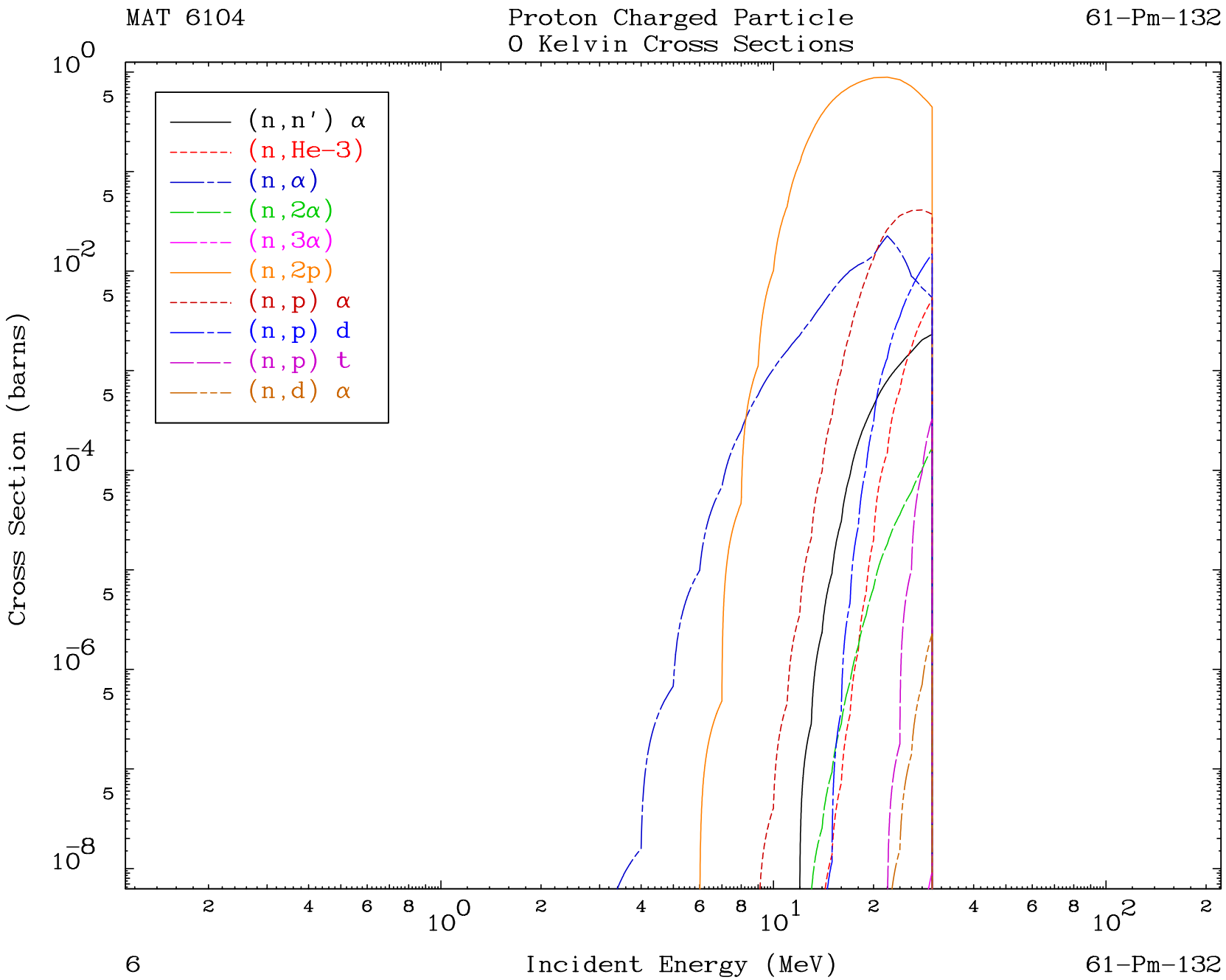

MAT 6104
Proton Major
61-Pm-132
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
61-Pm-132
1

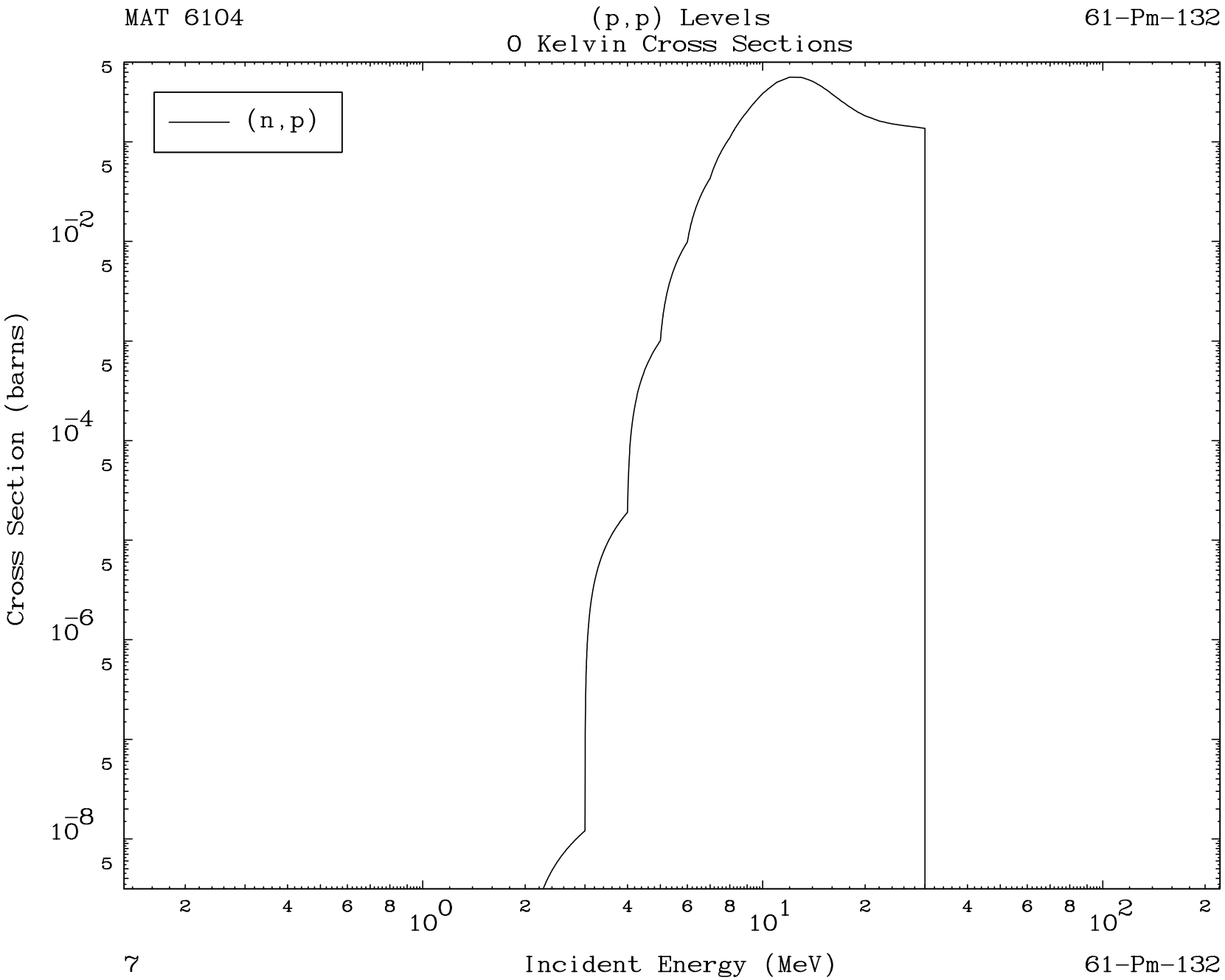

MAT 6104
Proton Neutron Absorption
0 Kelvin Cross Sections
61-Pm-132
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
61-Pm-132

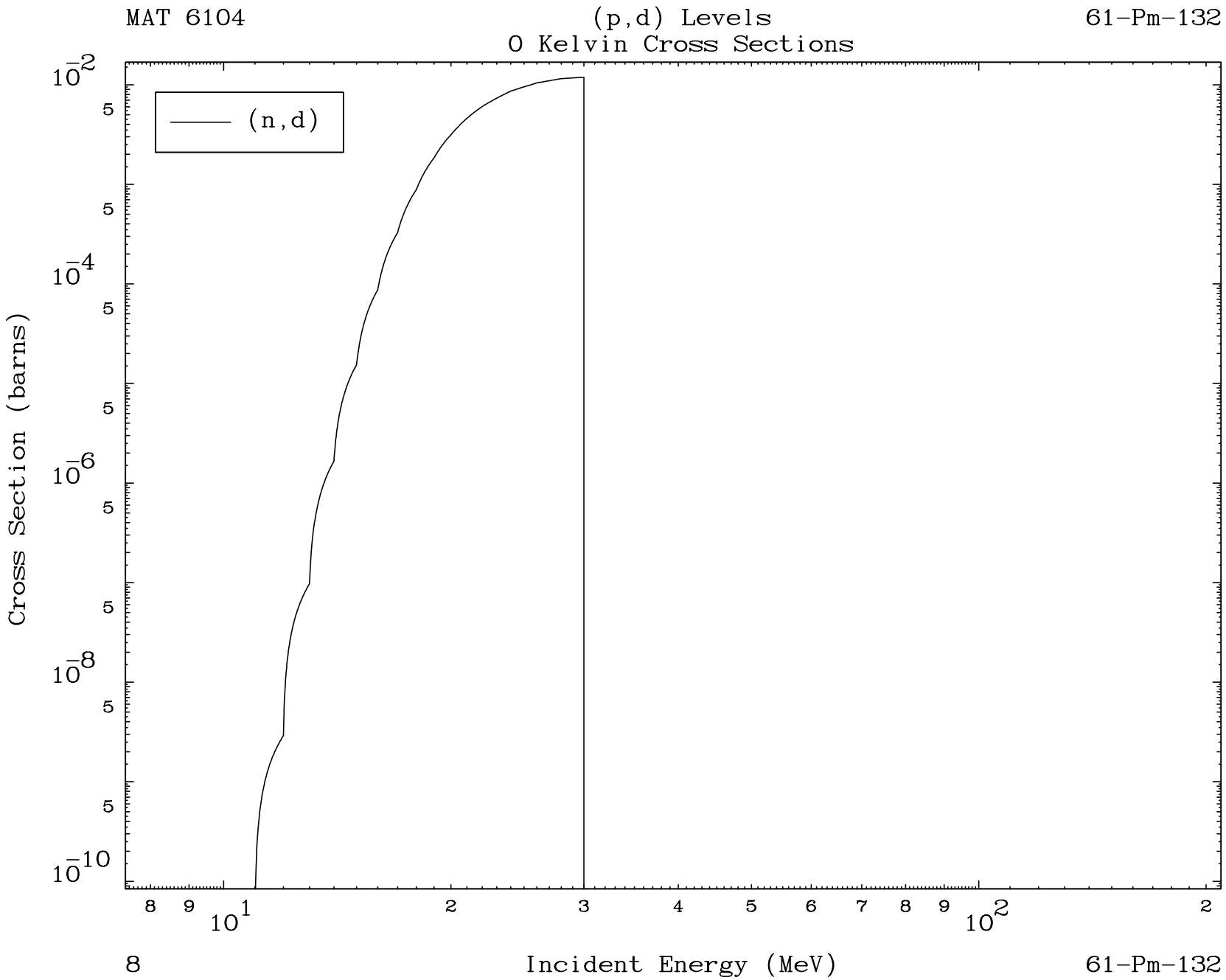

MAT 6104
Proton Neutron Absorption
0 Kelvin Cross Sections
61-Pm-132
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
61-Pm-132

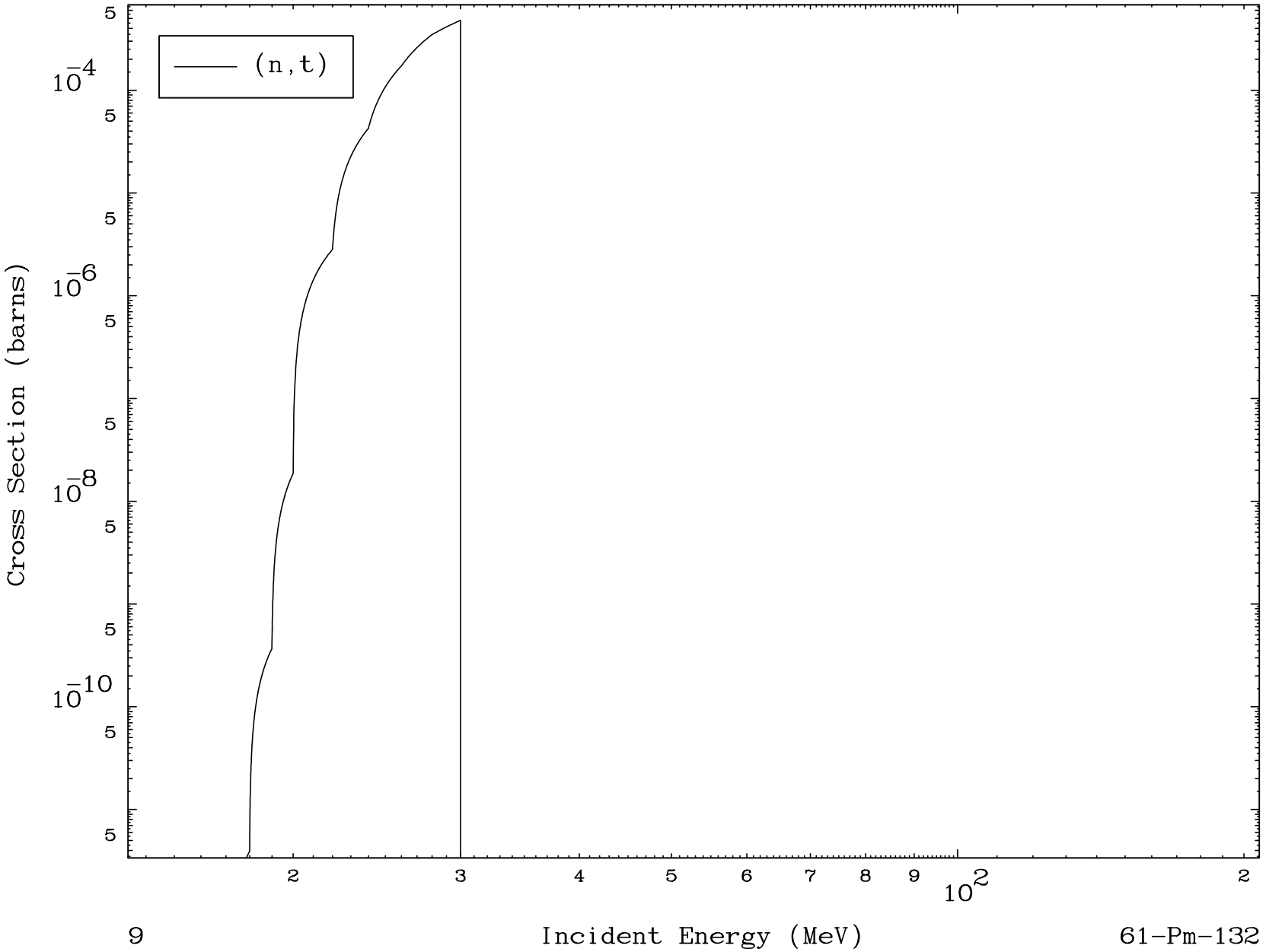

MAT 6104
Proton Neutron Absorption
0 Kelvin Cross Sections
61-Pm-132
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
61-Pm-132

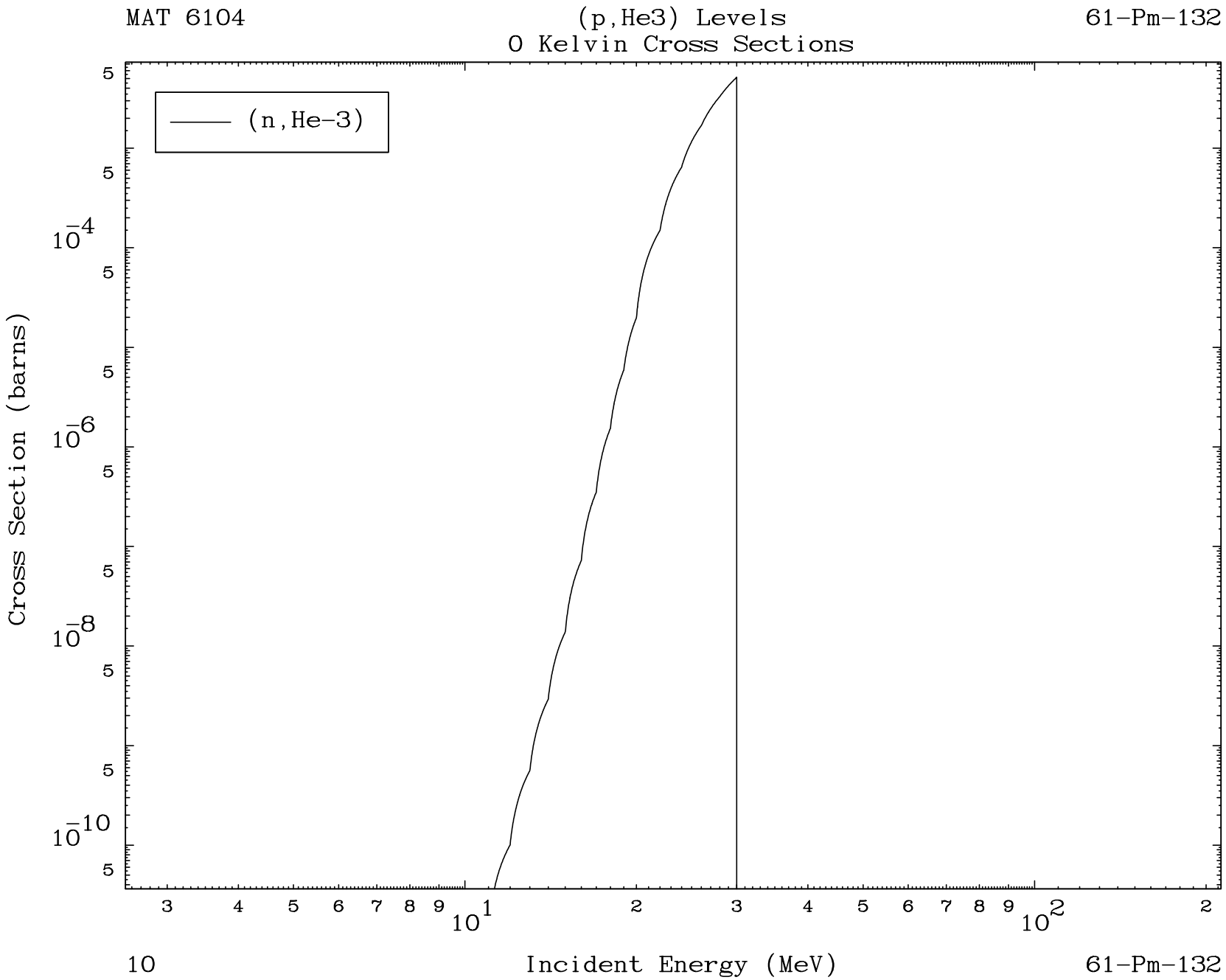

MAT 6104
Proton Charged Particle
0 Kelvin Cross Sections
61-Pm-132
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
61-Pm-132

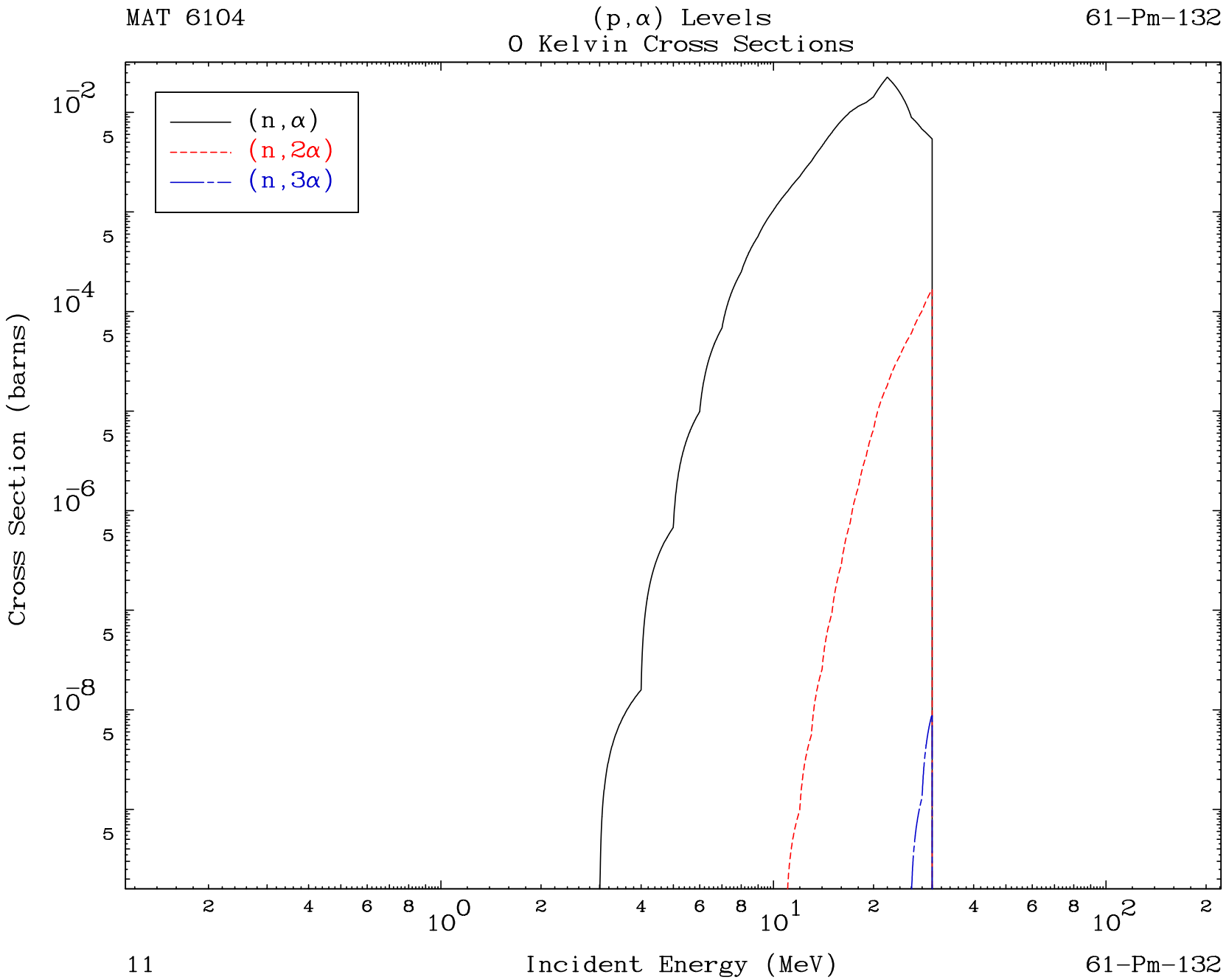

MAT 6104
Proton Charged Particle
0 Kelvin Cross Sections
61-Pm-132
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
61-Pm-132

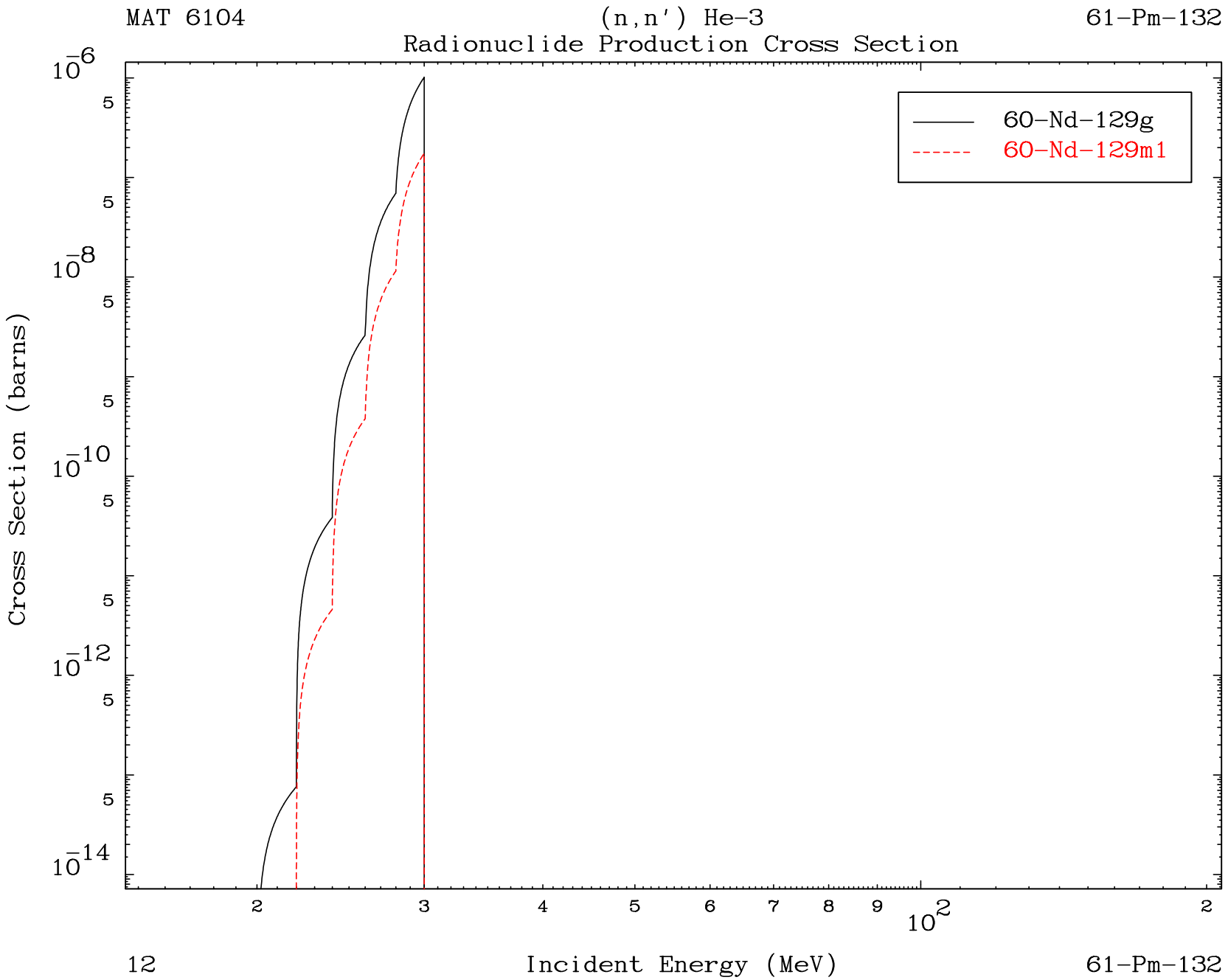

MAT 6104
(p,p) Levels
61-Pm-132
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
61-Pm-132

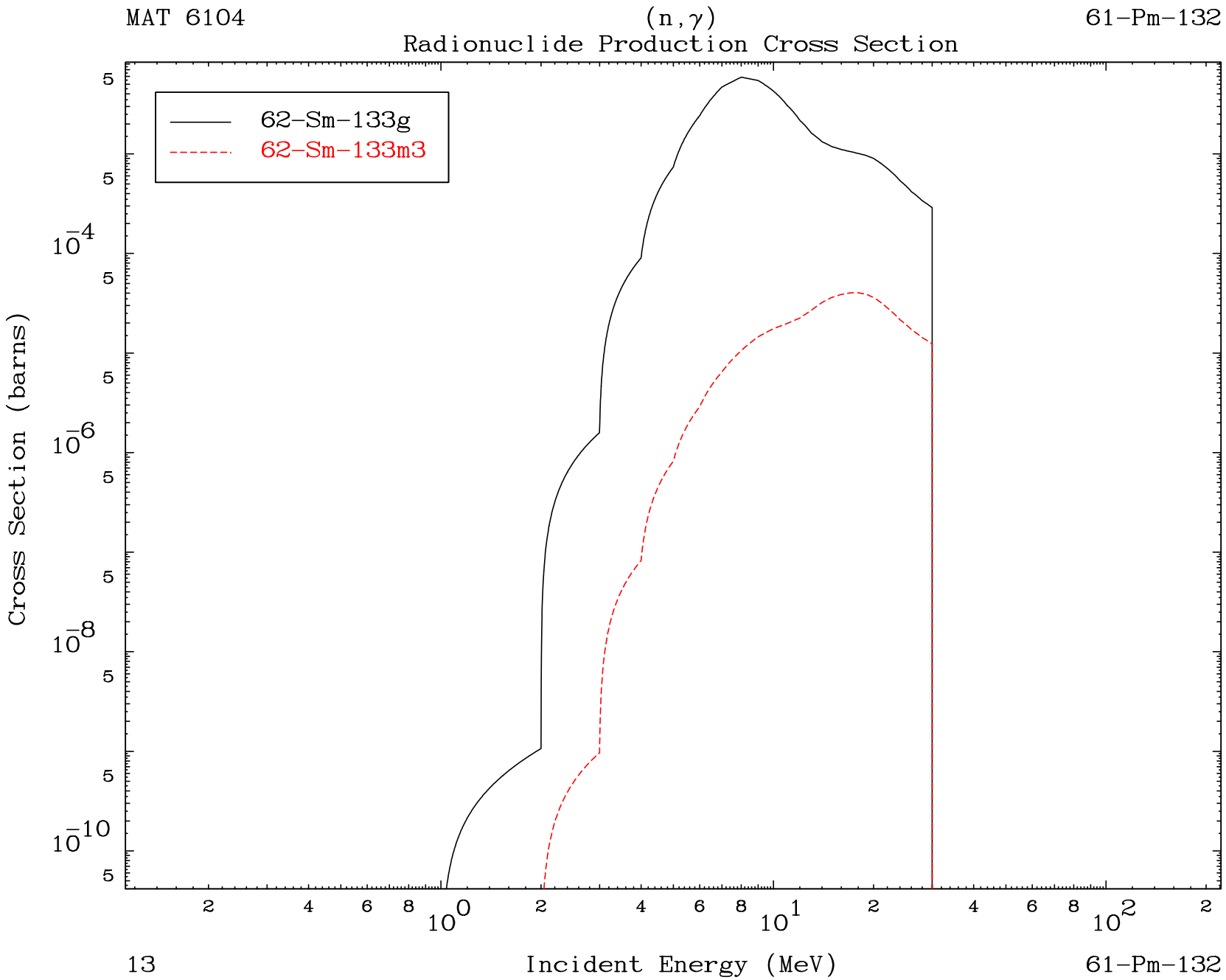

MAT 6104
(p,d) Levels
61-Pm-132
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
61-Pm-132
8

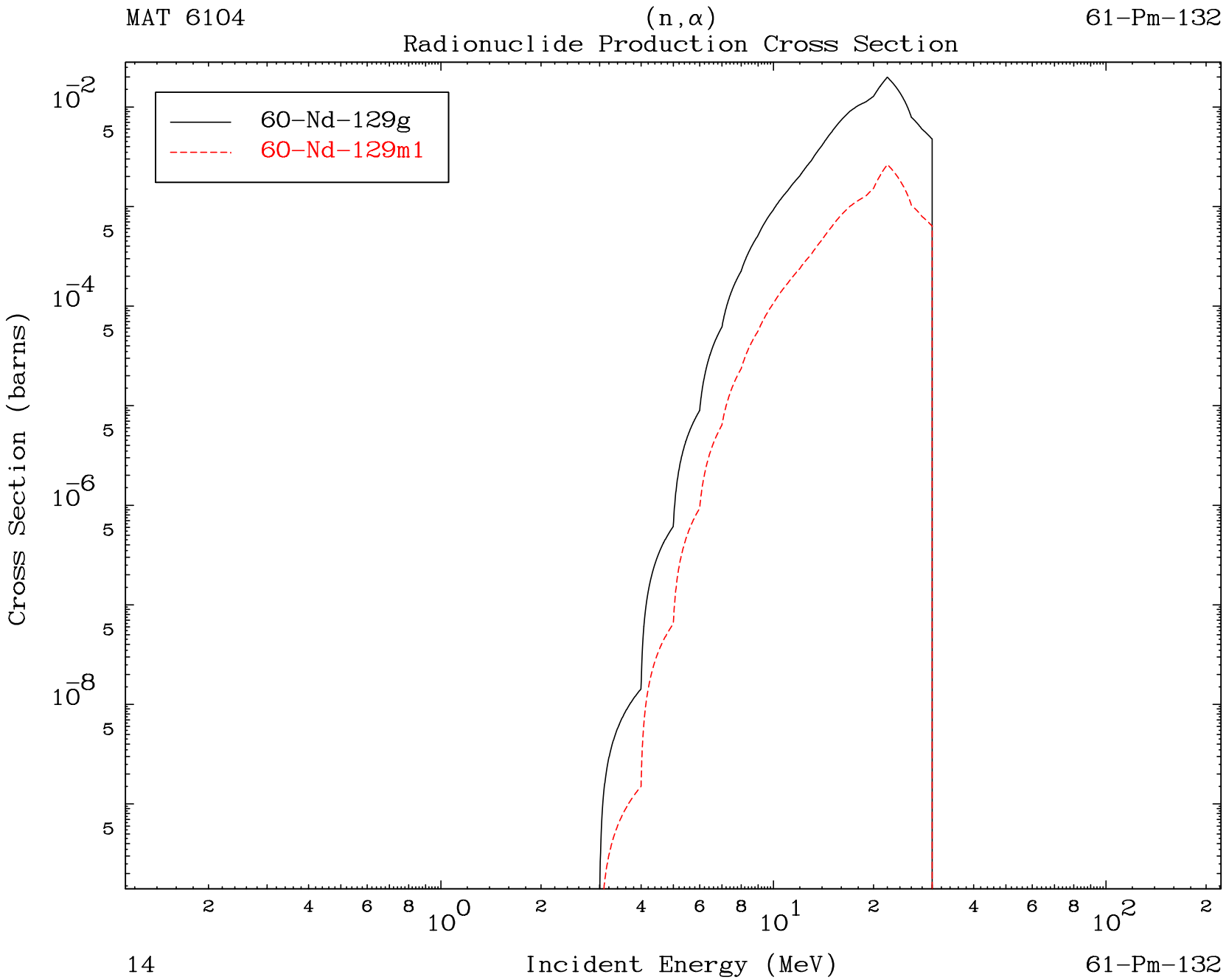

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

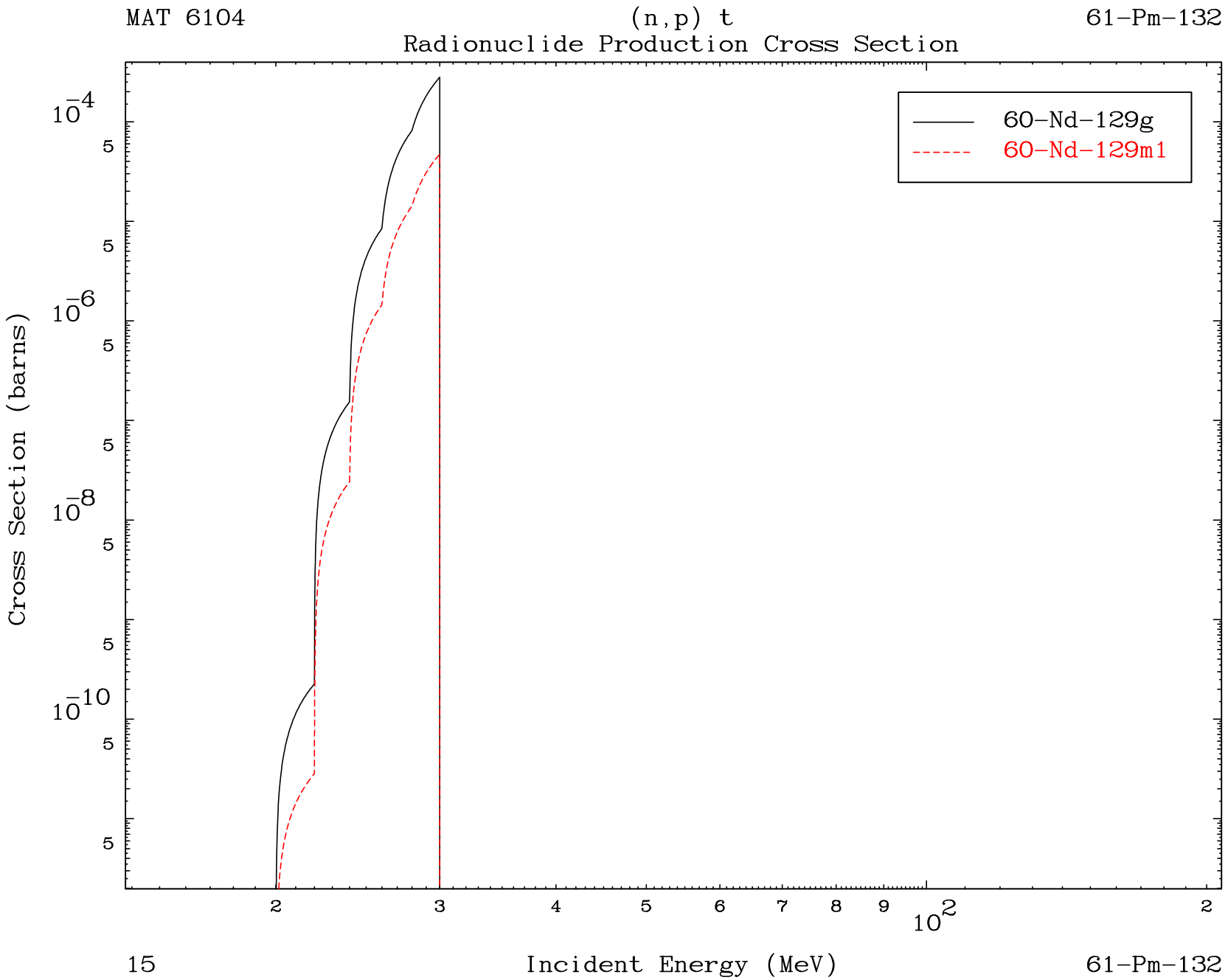

MAT 6104
(p,He3) Levels
61-Pm-132
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
61-Pm-132


MAT 6104
(p,α) Levels
61-Pm-132
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
11
61-Pm-132


MAT 6104
(n,n') He-3
61-Pm-132
Radionuclide Production Cross Section
60-Nd-129g
60-Nd-129m1
Cross Section (barns)
Incident Energy (MeV)
12
61-Pm-132


MAT 6104
(n,γ)
61-Pm-132
Radionuclide Production Cross Section
62-Sm-133g
62-Sm-133m3
Cross Section (barns)
Incident Energy (MeV)
13
61-Pm-132


MAT 6104
(n,α)
61-Pm-132
Radionuclide Production Cross Section
60-Nd-129g
60-Nd-129m1
Cross Section (barns)
Incident Energy (MeV)
14
61-Pm-132


MAT 6104
(n,p) t
61-Pm-132
Radionuclide Production Cross Section
60-Nd-129g
60-Nd-129m1
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)
61-Pm-132