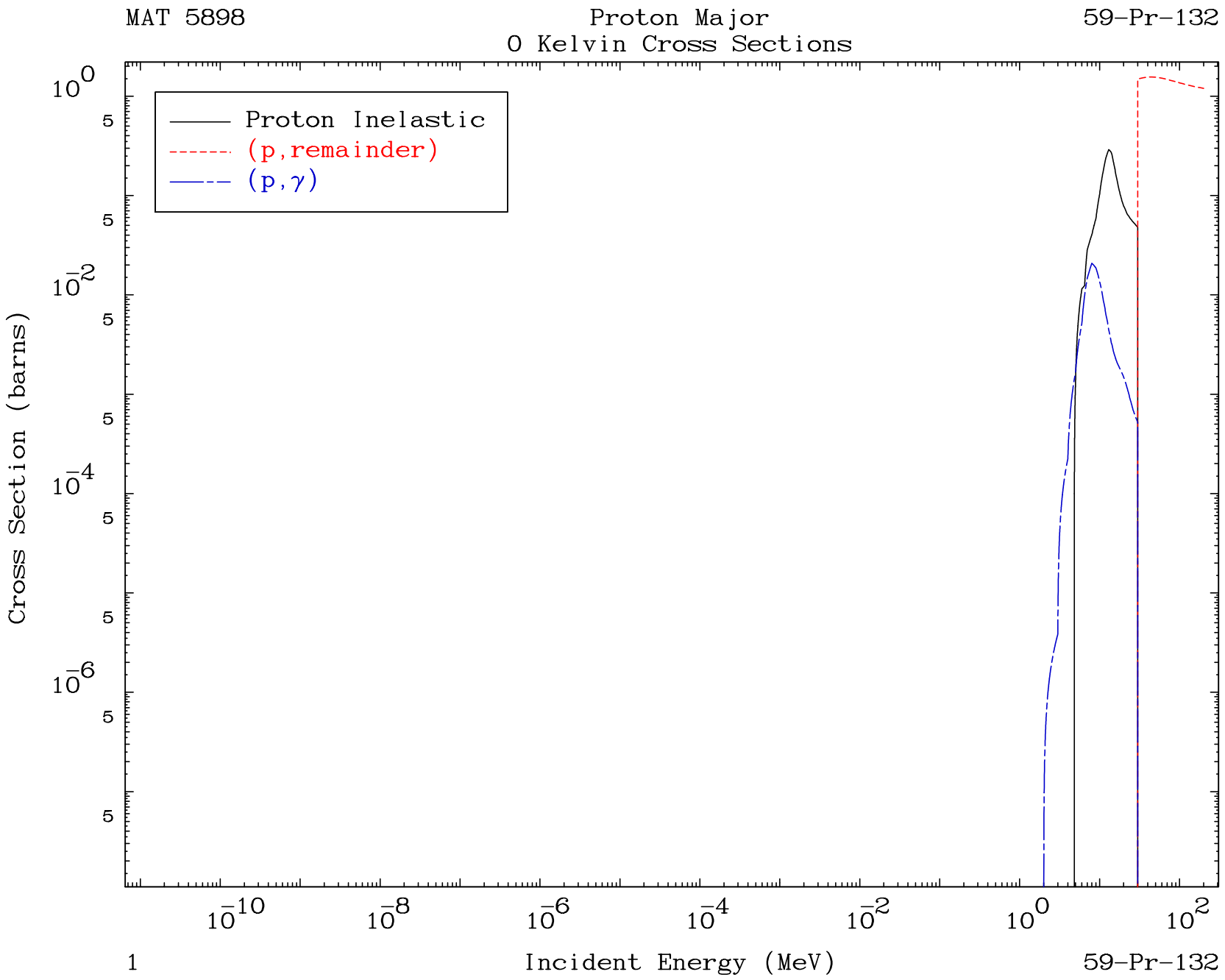
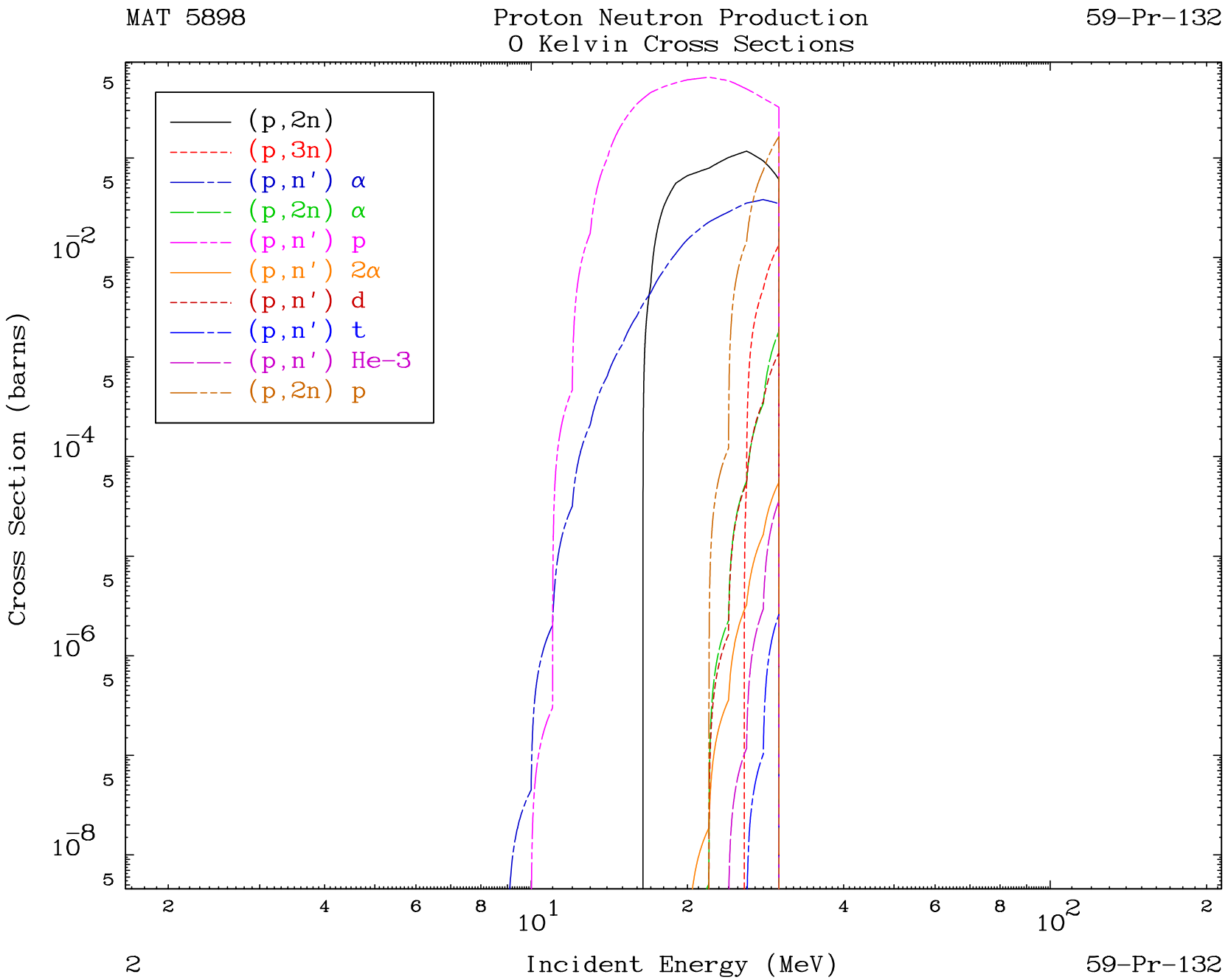
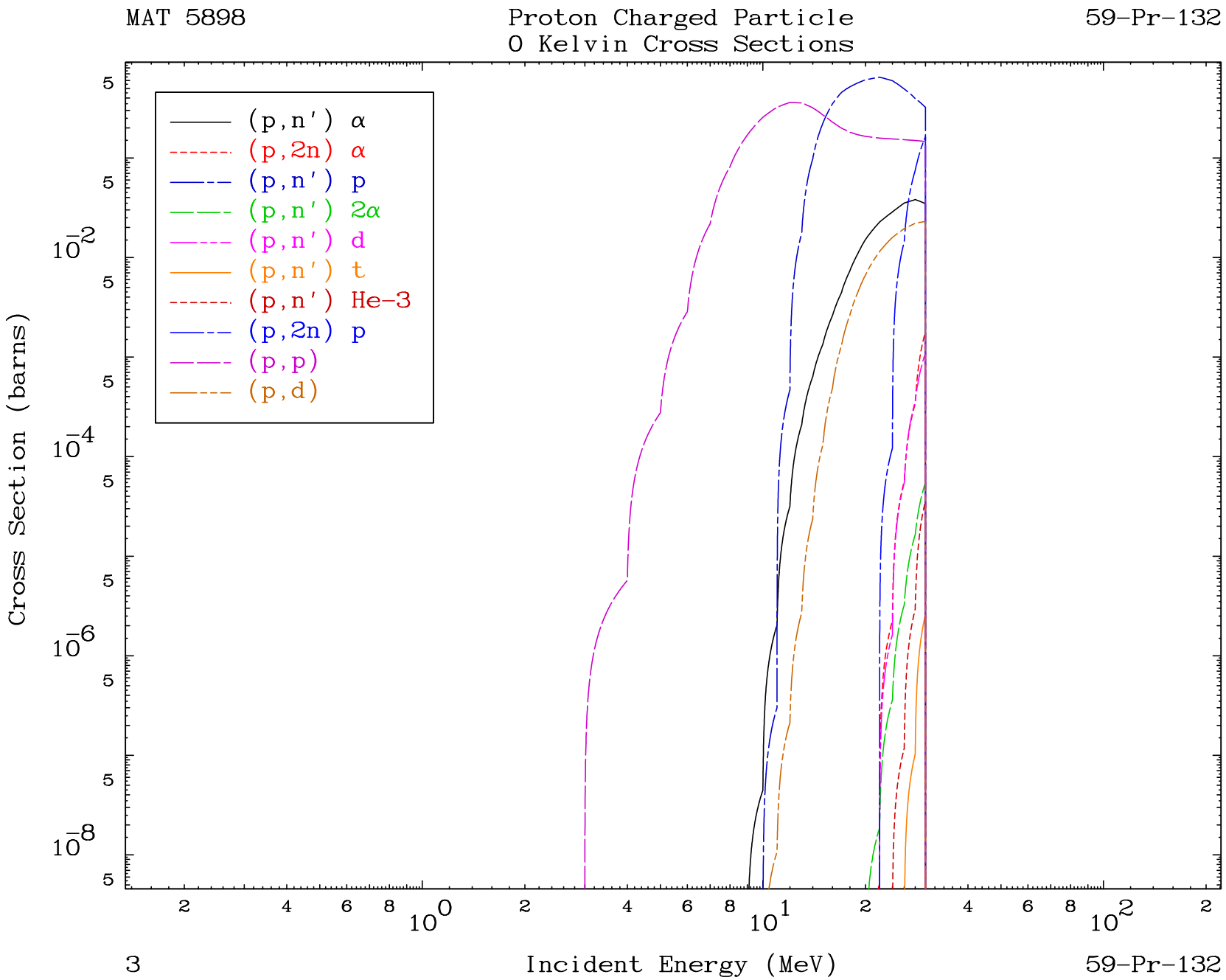
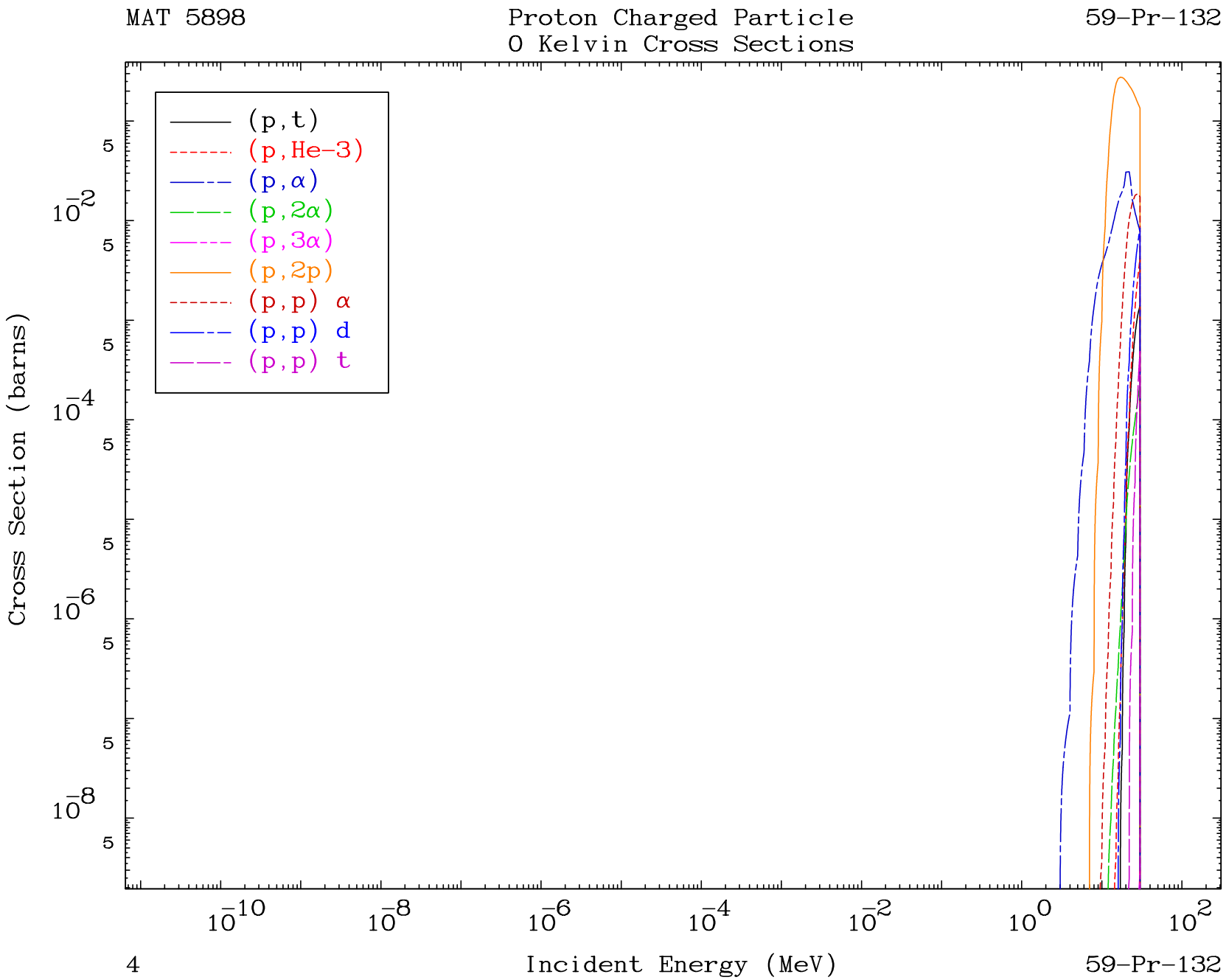
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

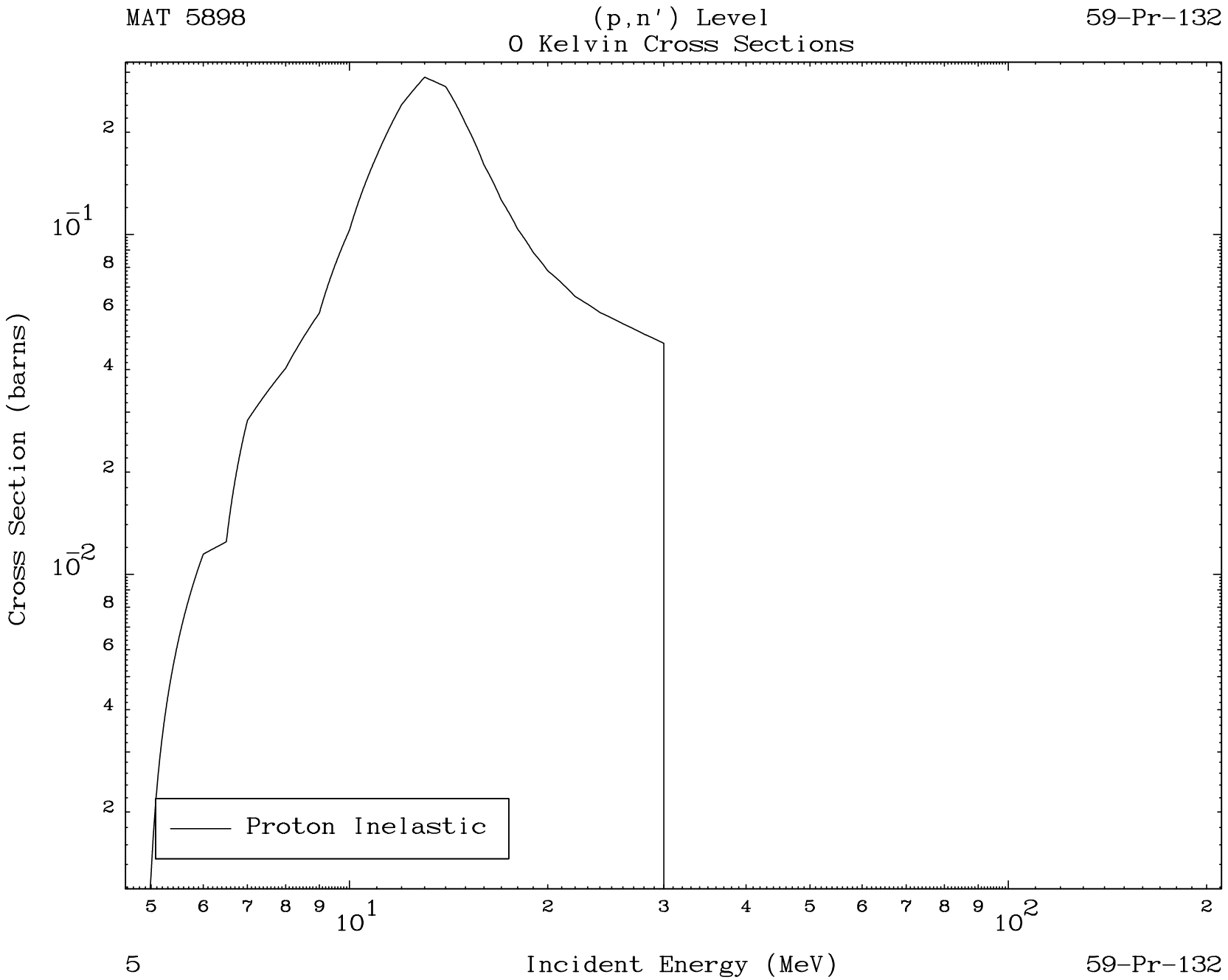
Press Mouse Button to Start

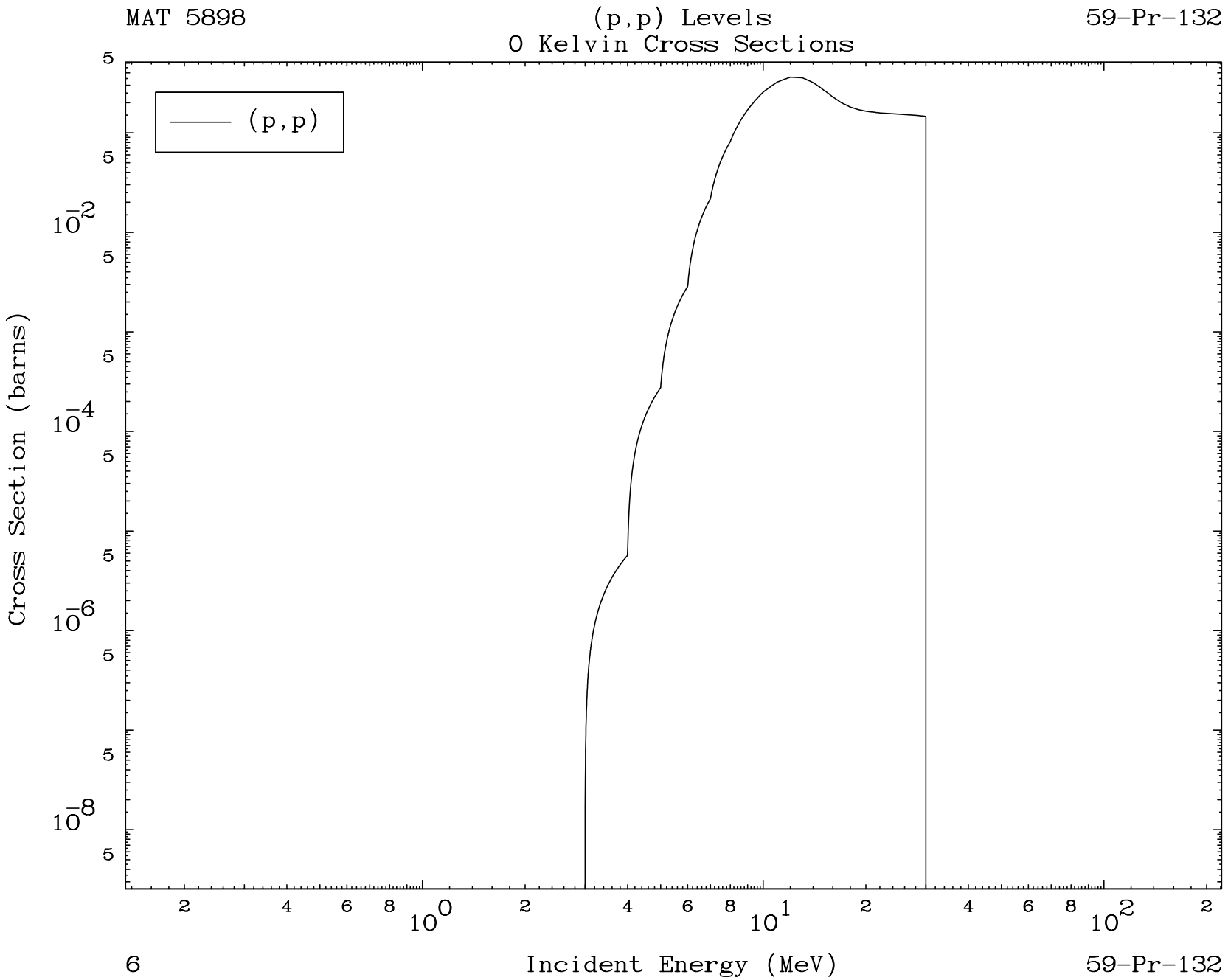

MAT 5898
Proton Major
59-Pr-132
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-132
1

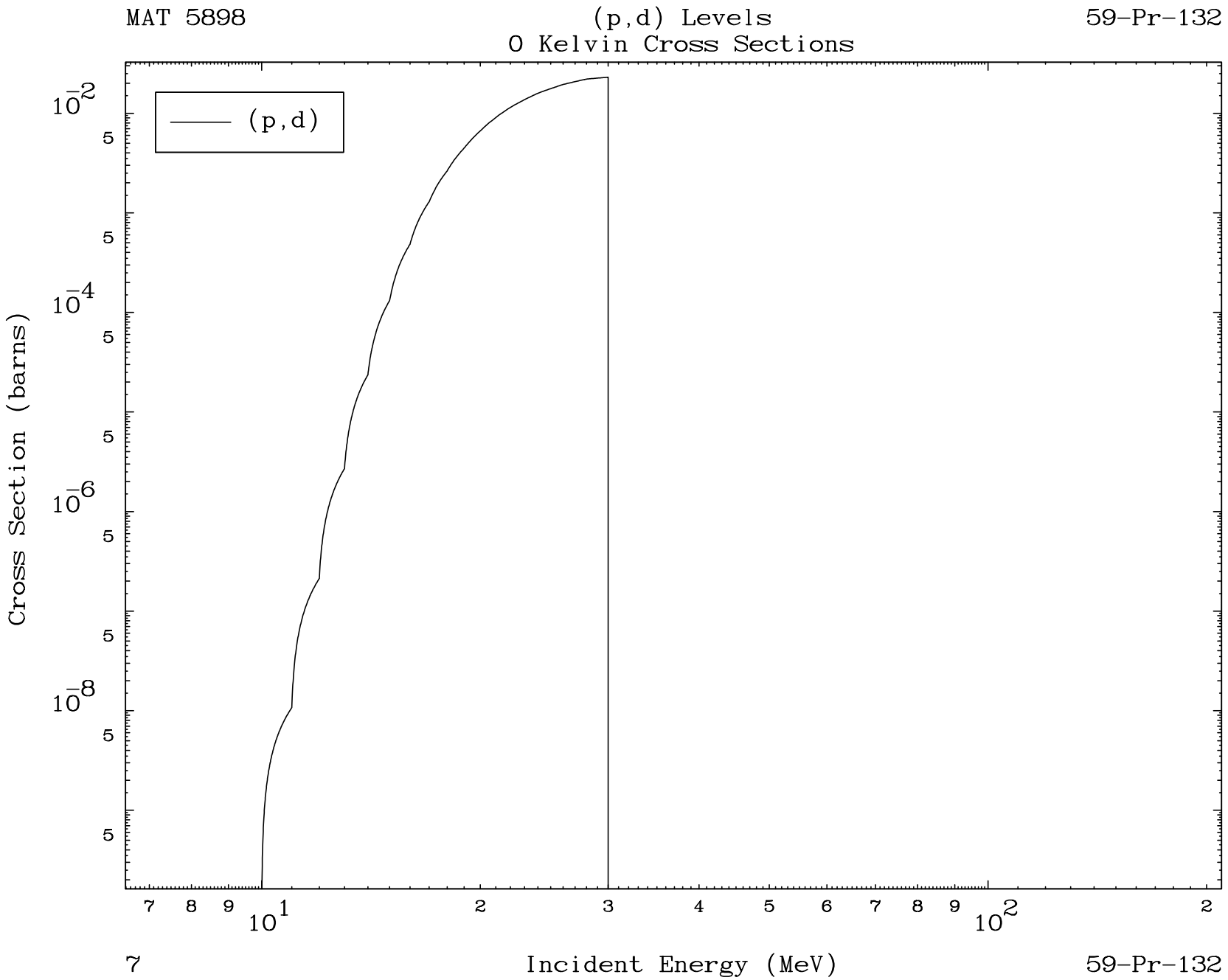

MAT 5898
Proton Neutron Production
0 Kelvin Cross Sections
59-Pr-132
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
Cross Section (barns)
Incident Energy (MeV)
59-Pr-132

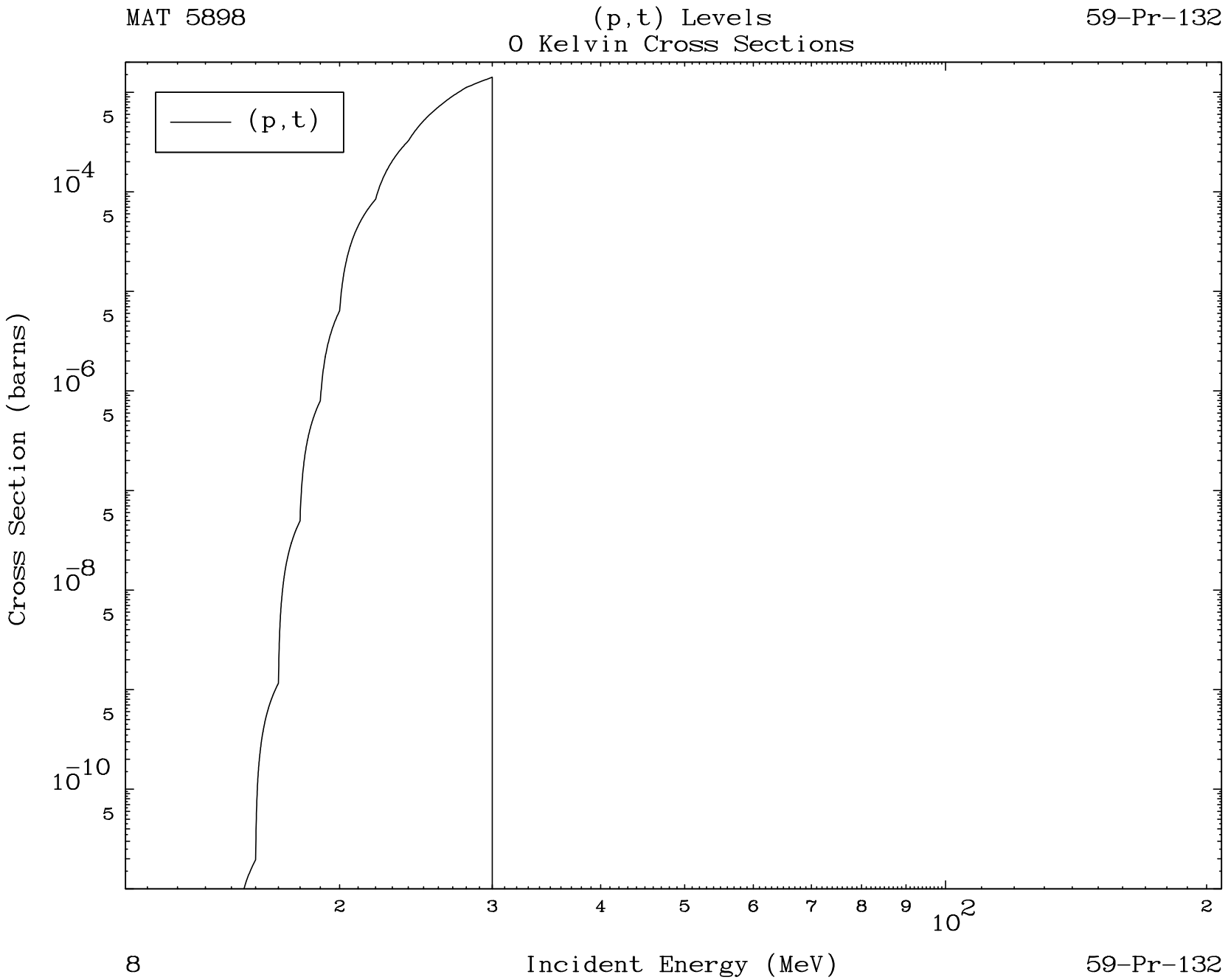

MAT 5898
Proton Charged Particle
0 Kelvin Cross Sections
59-Pr-132
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,p)
(p,d)
Cross Section (barns)
Incident Energy (MeV)
3
59-Pr-132

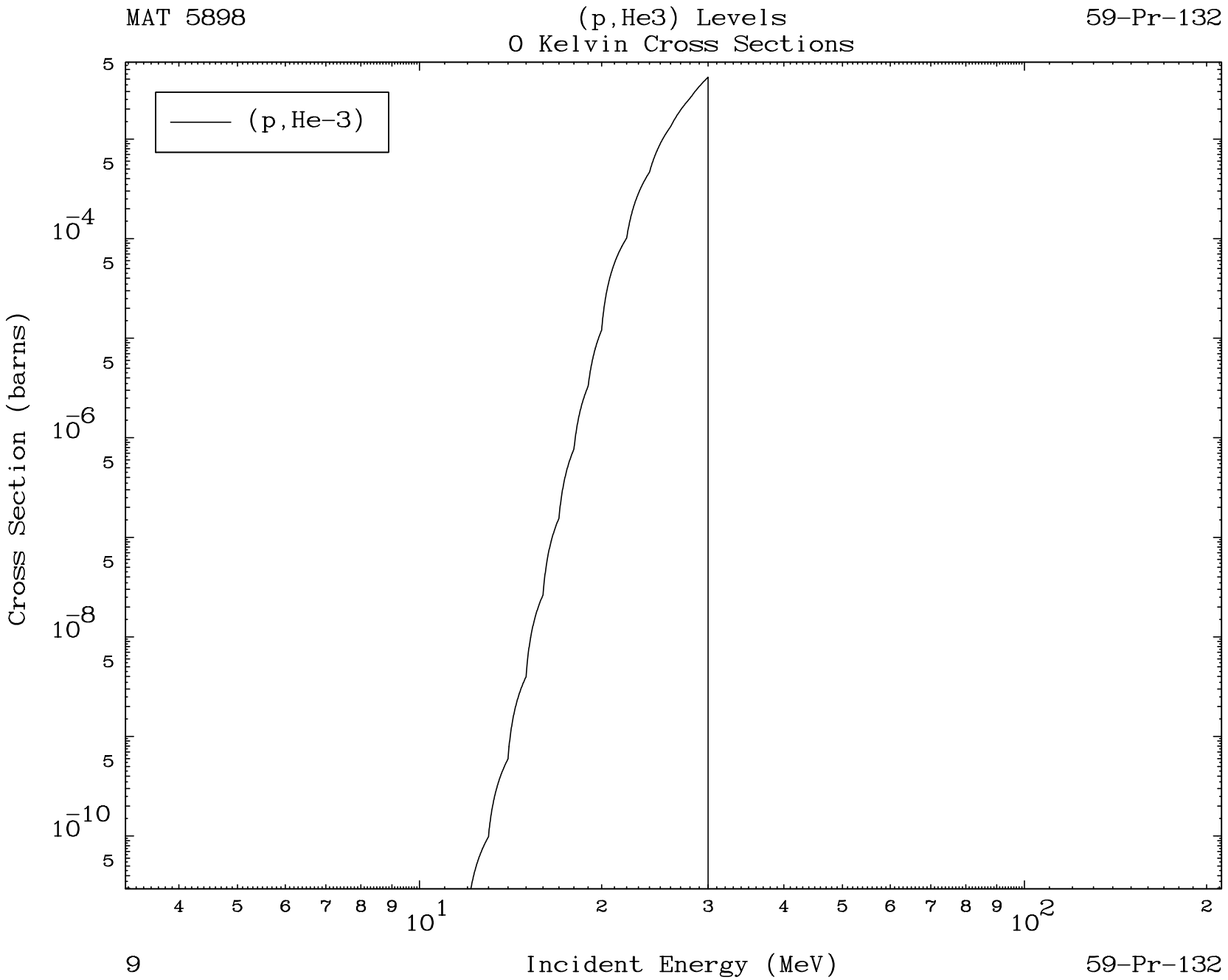

MAT 5898
Proton Charged Particle
0 Kelvin Cross Sections
59-Pr-132
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,3α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
4
59-Pr-132

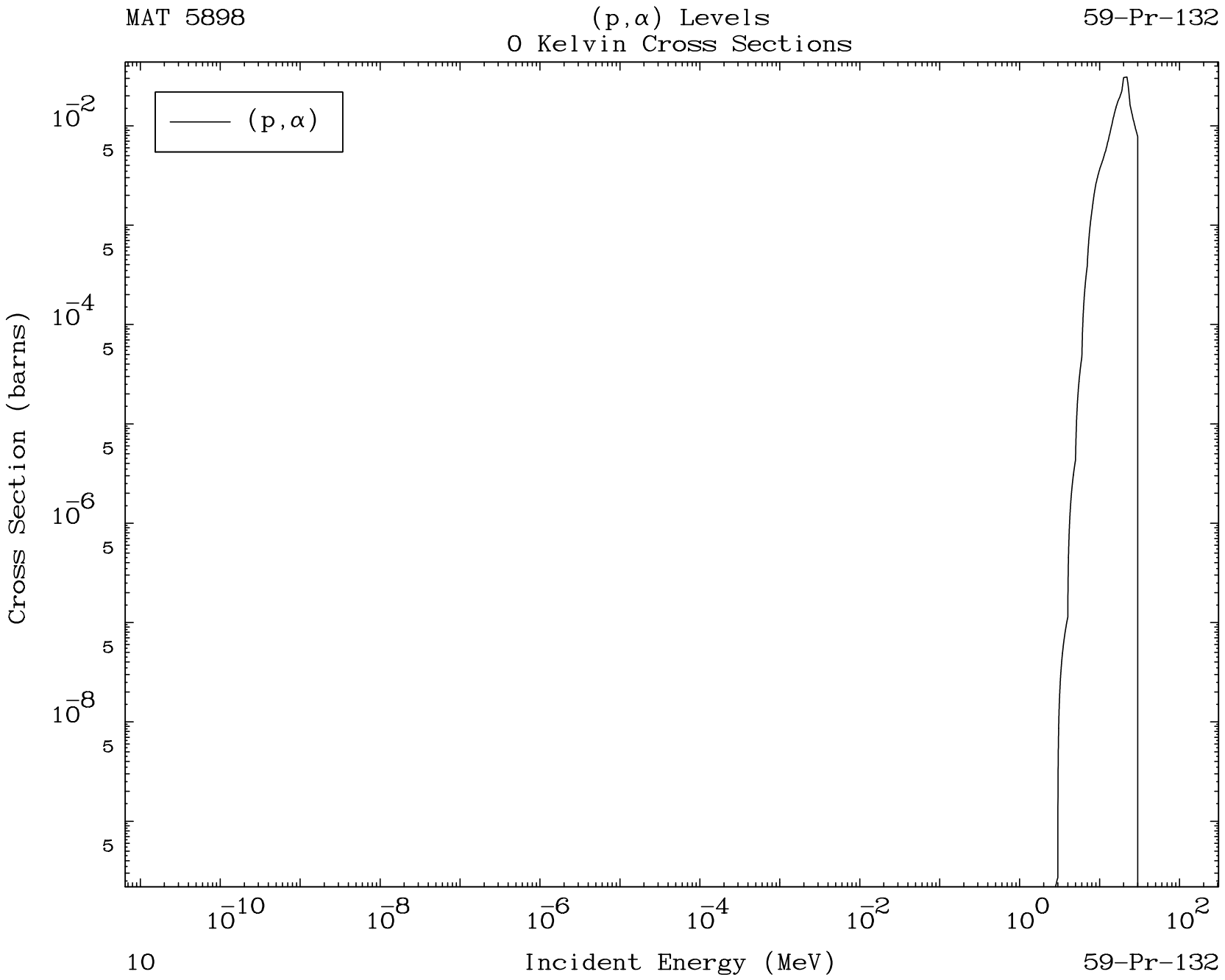

MAT 5898
(p,n') Level
59-Pr-132
0 Kelvin Cross Sections
Cross Section (barns)
Proton Inelastic
Incident Energy (MeV)
59-Pr-132

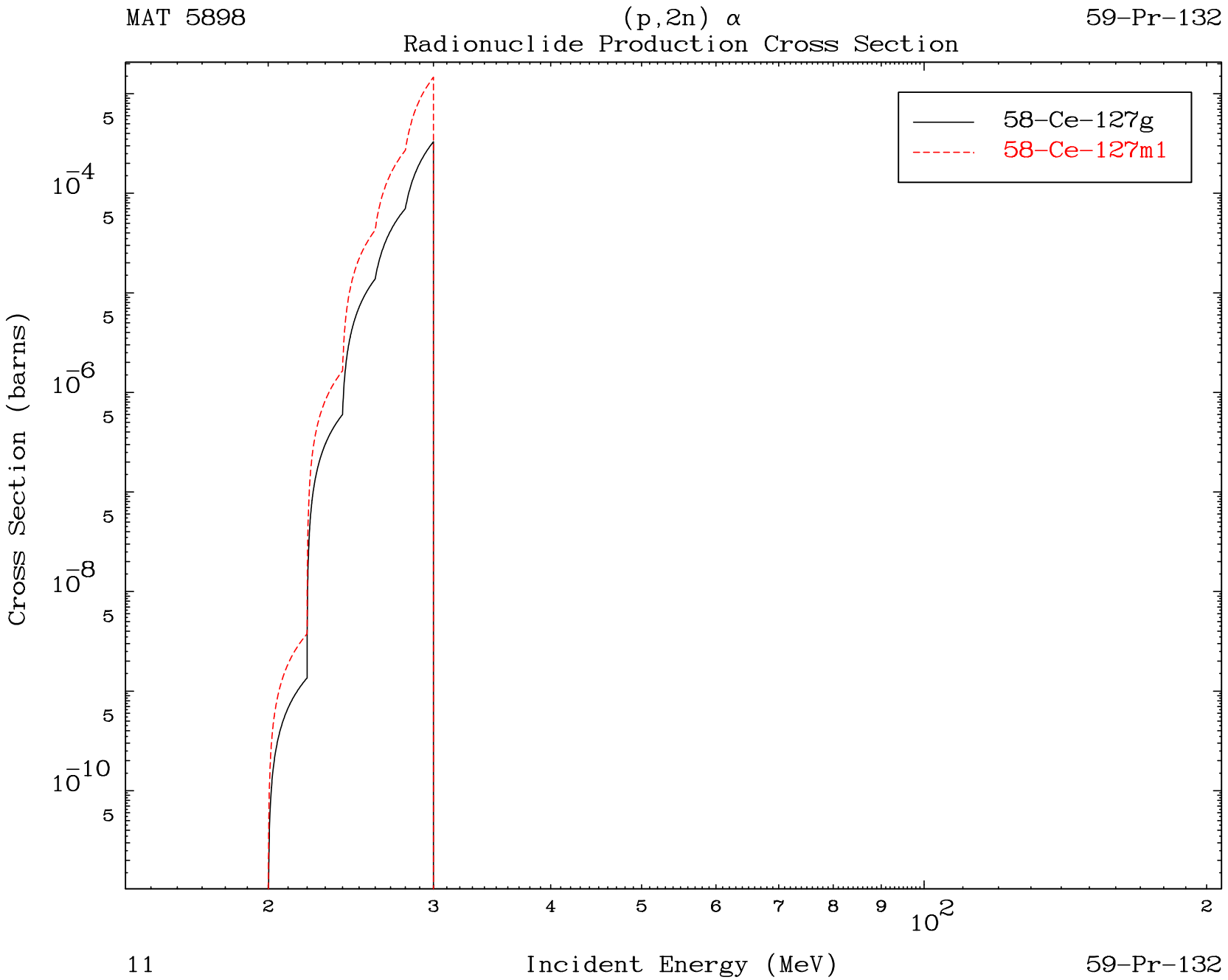

MAT 5898
(p,p) Levels
59-Pr-132
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
6
59-Pr-132

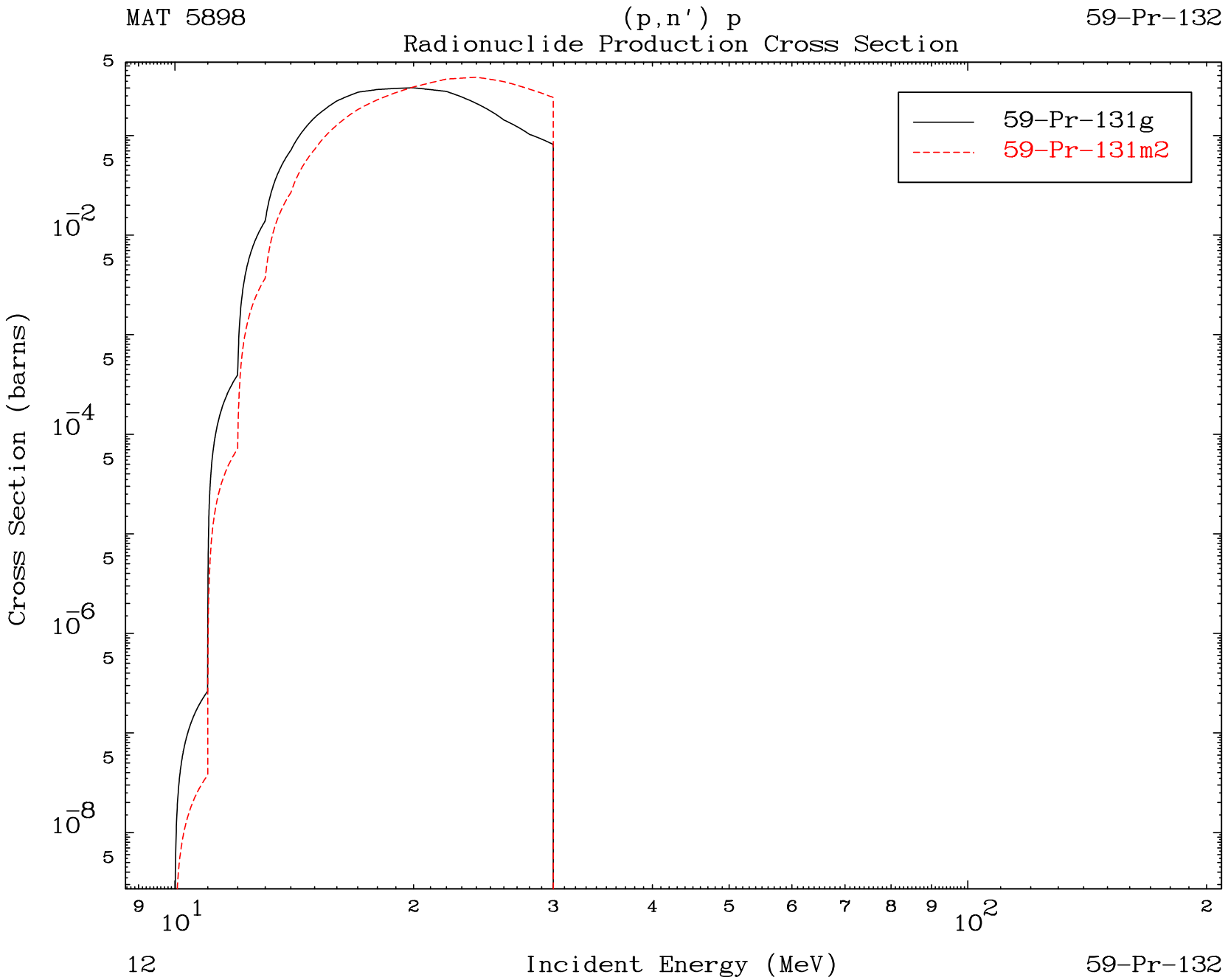

MAT 5898
(p,d) Levels
59-Pr-132
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-132
7

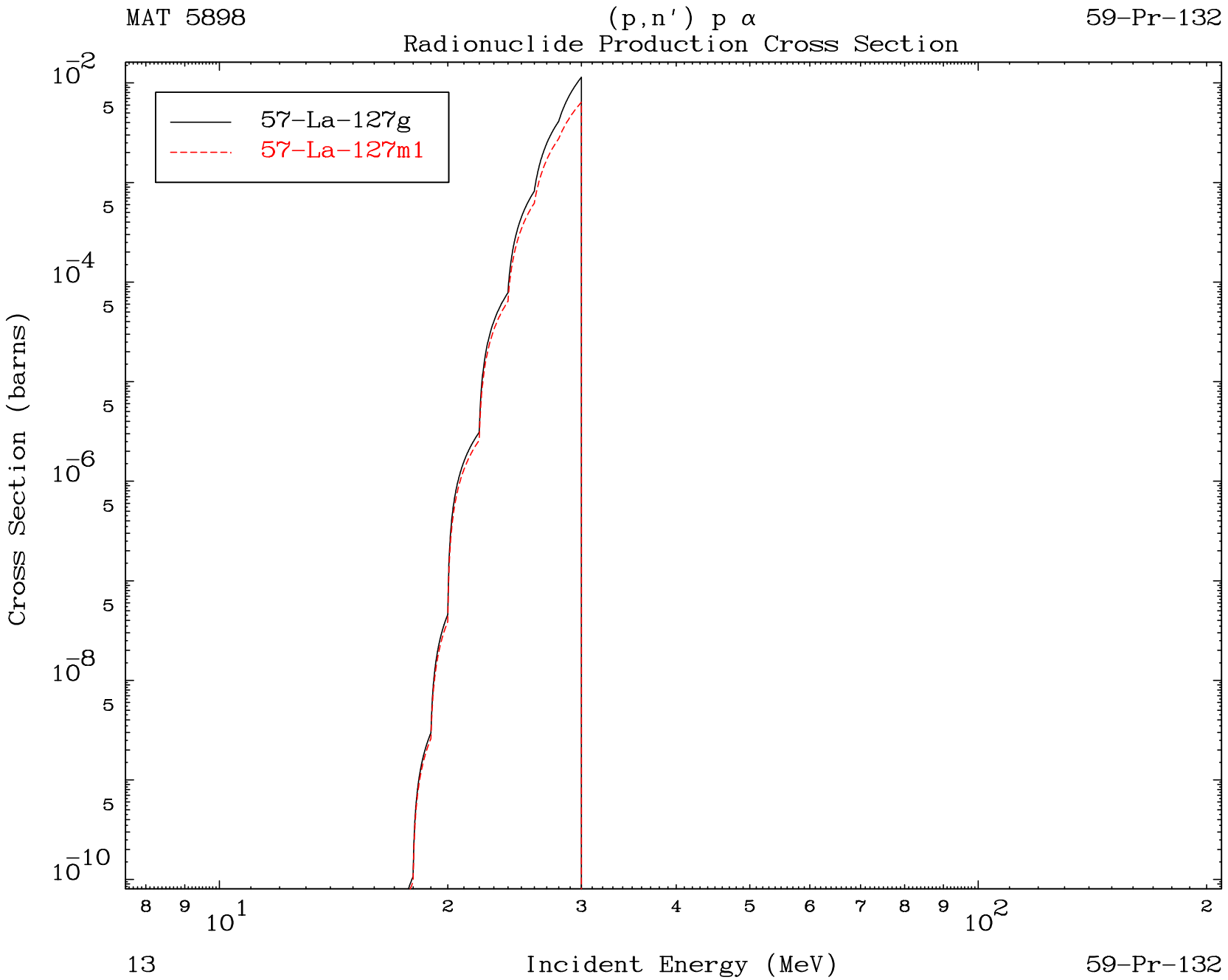

MAT 5898
(p,t) Levels
59-Pr-132
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
59-Pr-132

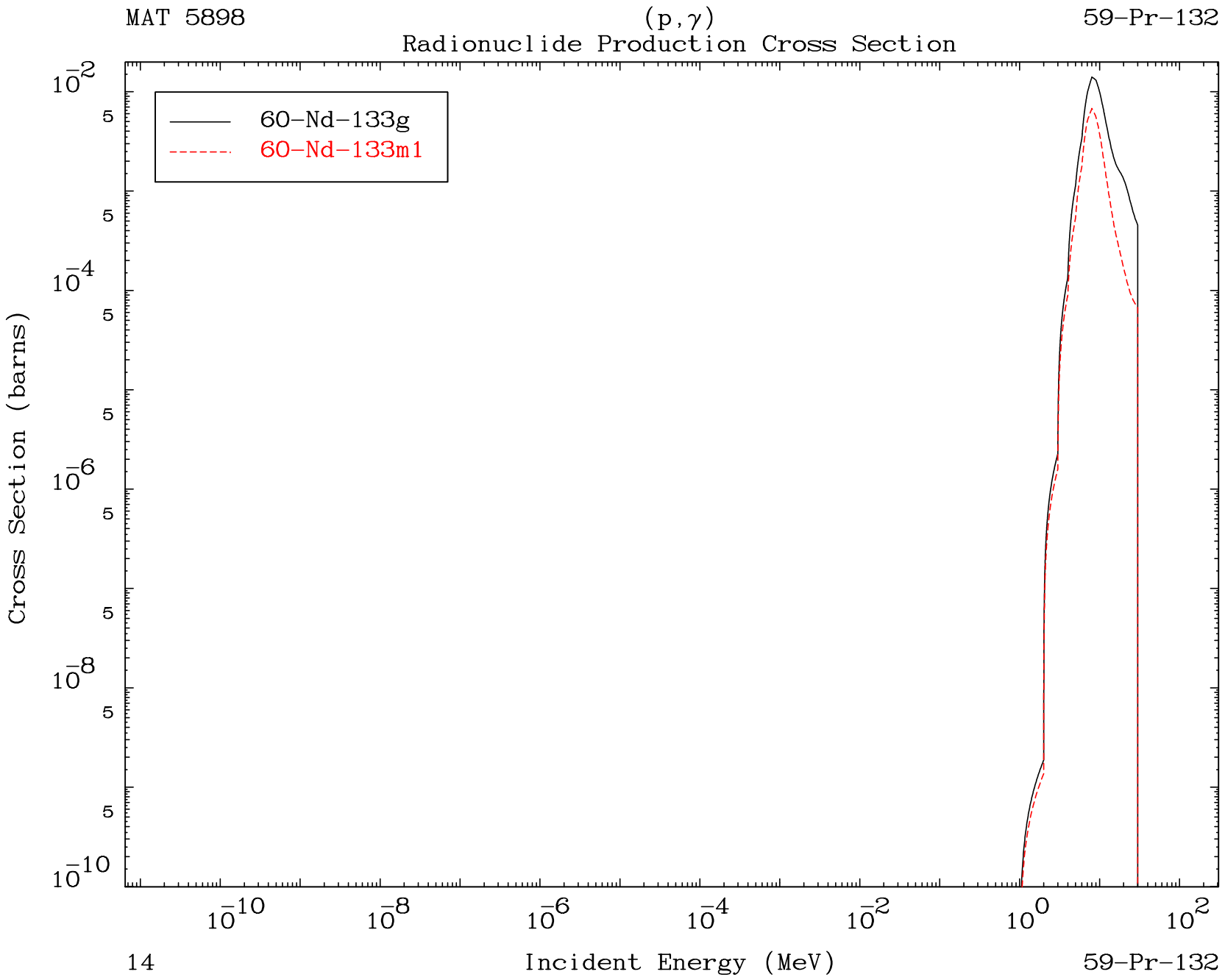

MAT 5898
(p,He3) Levels
59-Pr-132
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
59-Pr-132

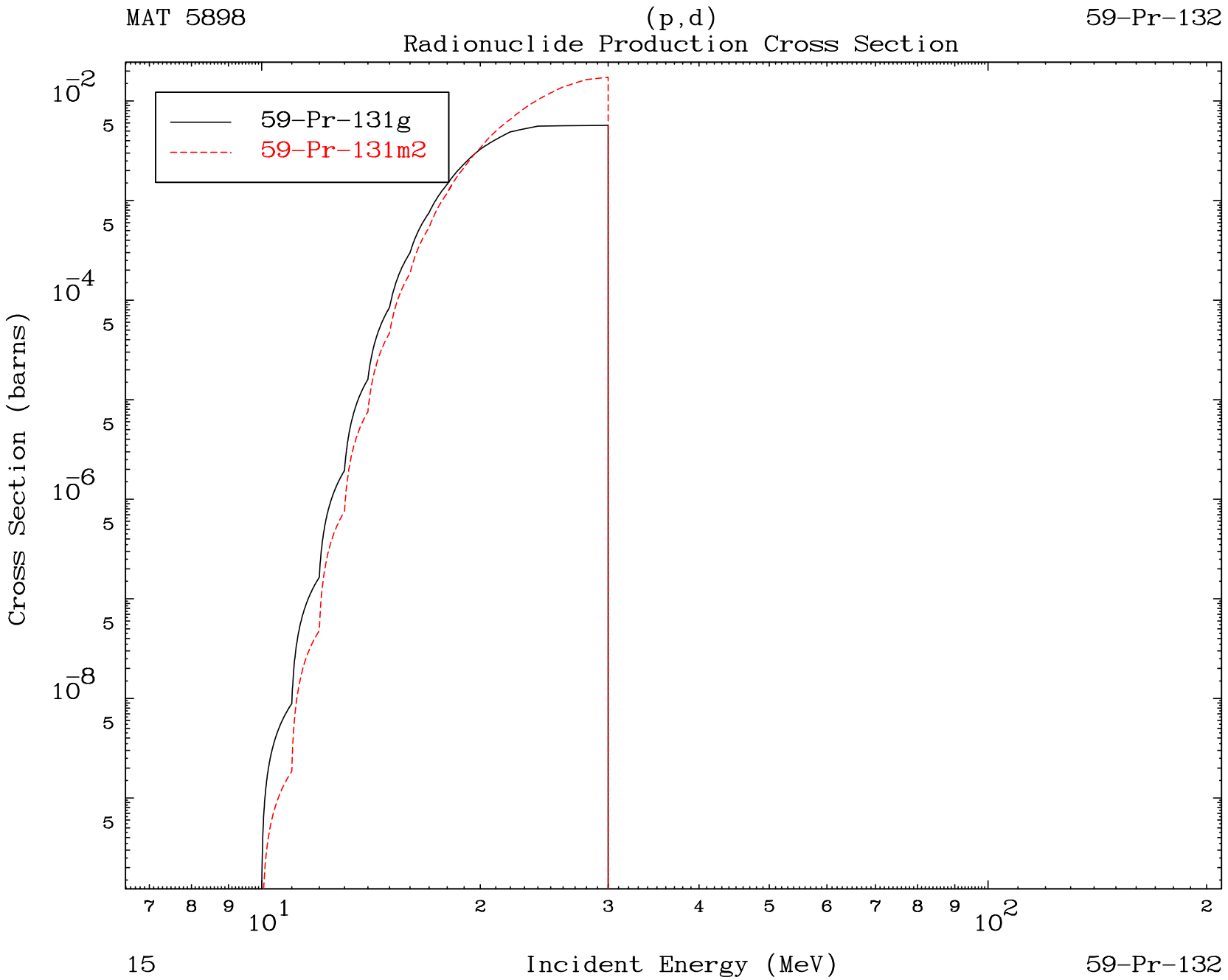

MAT 5898
(p,α) Levels
59-Pr-132
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
10
59-Pr-132

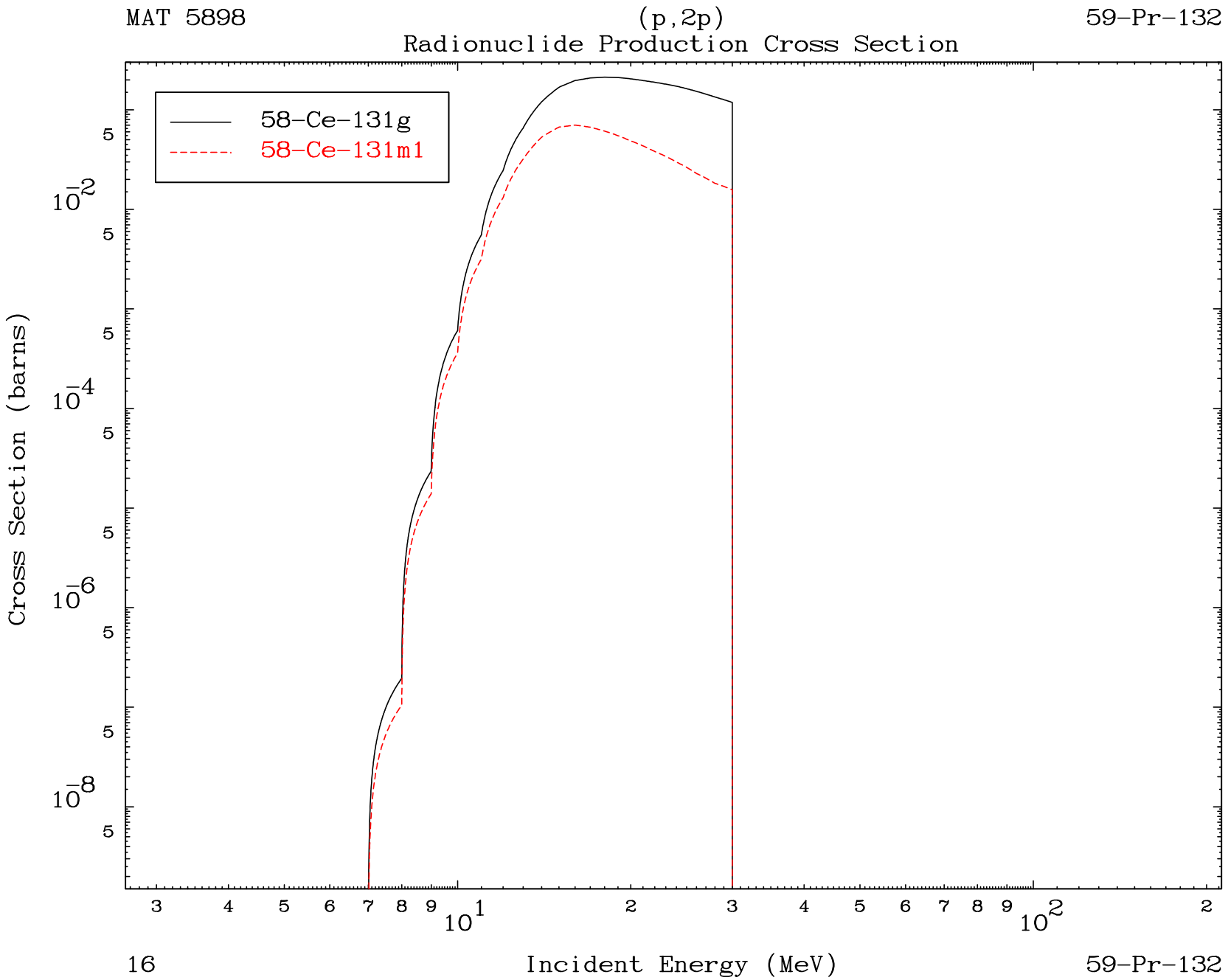

MAT 5898
(p,2n) α
59-Pr-132
Radionuclide Production Cross Section
58-Ce-127g
58-Ce-127m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
59-Pr-132

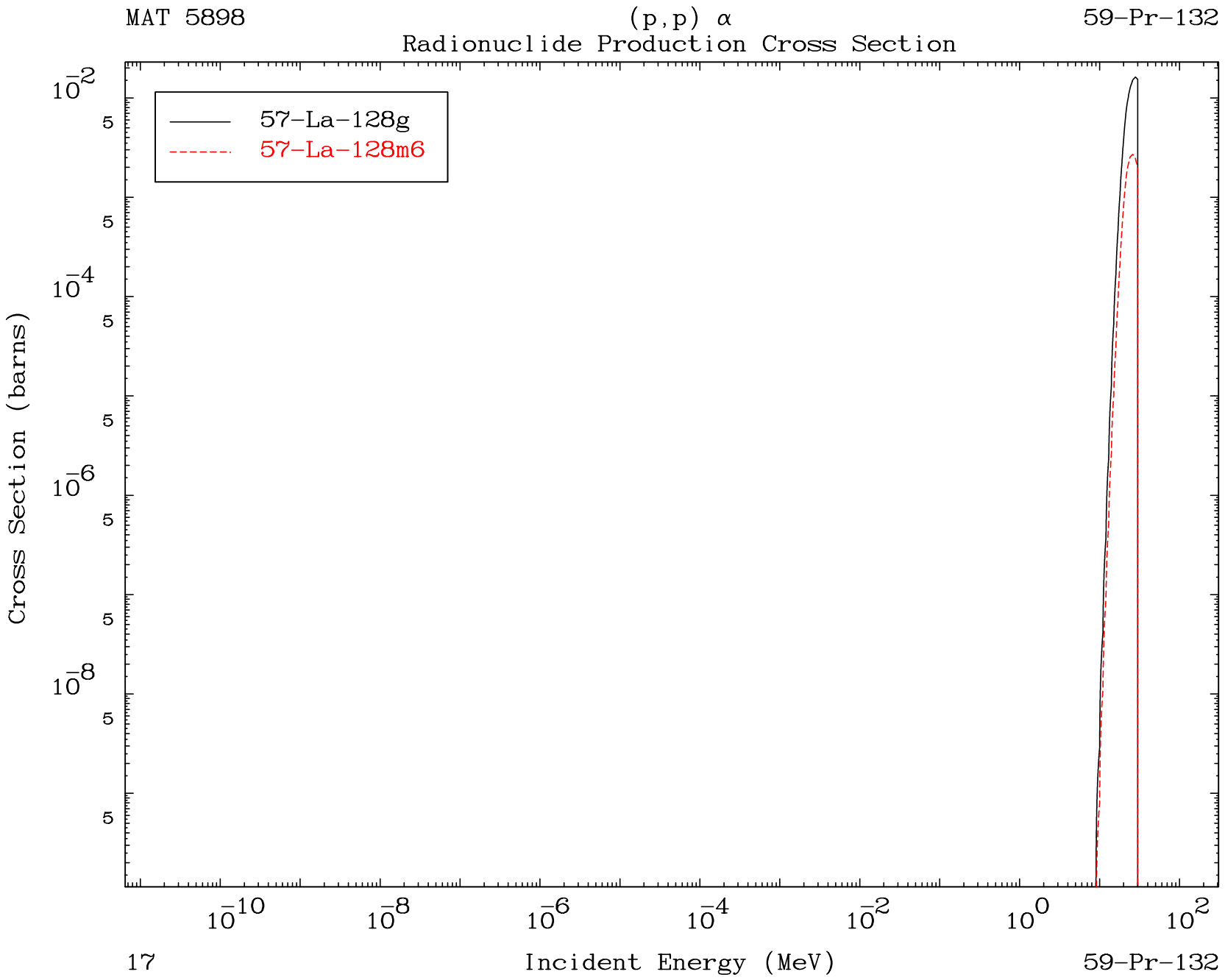

MAT 5898
(p,n') p
59-Pr-132
Radionuclide Production Cross Section
59-Pr-131g
59-Pr-131m2
Cross Section (barns)
Incident Energy (MeV)
12
59-Pr-132

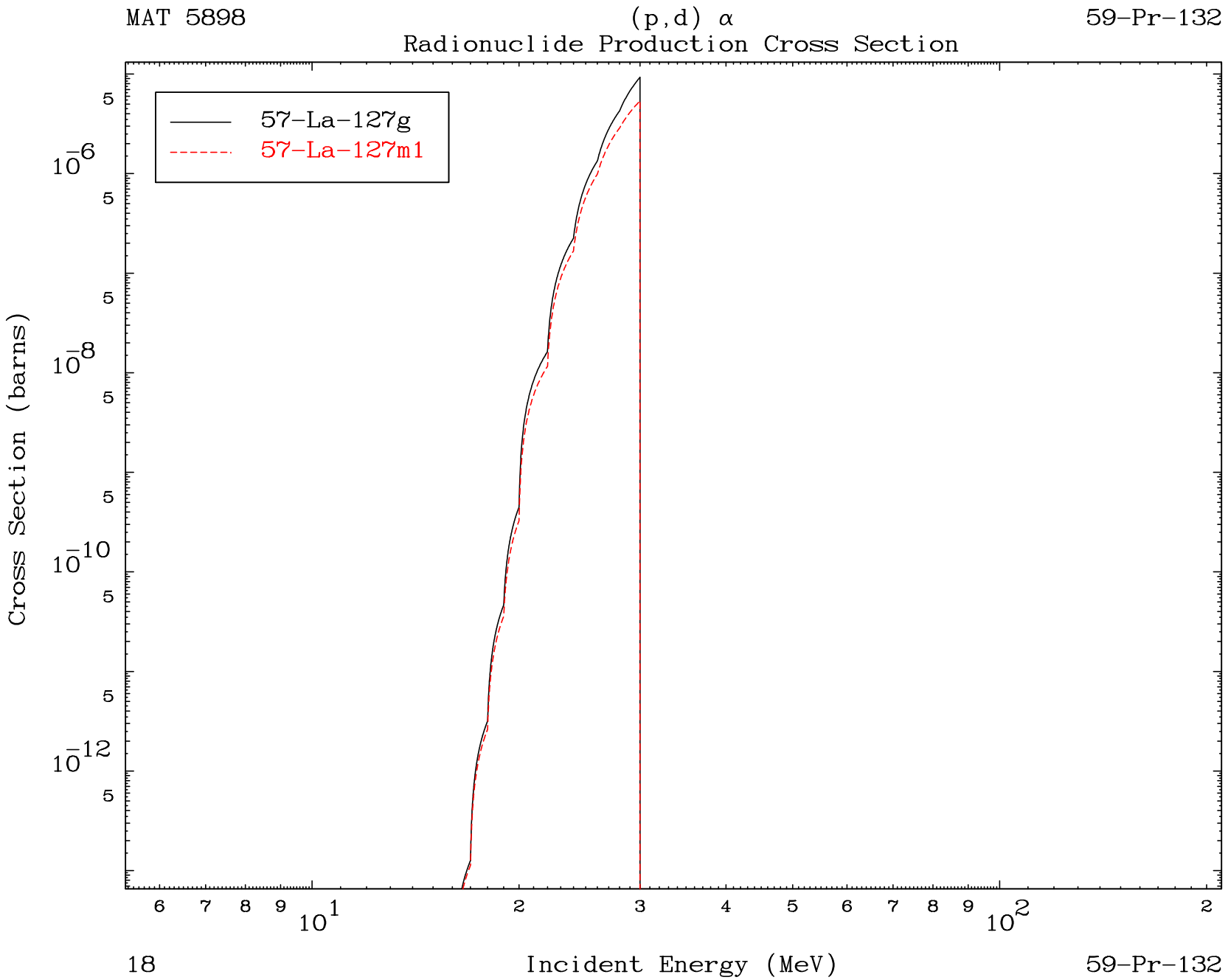

MAT 5898
(p,n') p α
59-Pr-132
Radionuclide Production Cross Section
57-La-127g
57-La-127m1
Cross Section (barns)
Incident Energy (MeV)
13
59-Pr-132


MAT 5898
(p,γ)
59-Pr-132
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
Incident Energy (MeV)
14
59-Pr-132


MAT 5898
(p,d)
59-Pr-132
Radionuclide Production Cross Section
59-Pr-131g
59-Pr-131m2
Cross Section (barns)
Incident Energy (MeV)
15
59-Pr-132


MAT 5898
(p,2p)
59-Pr-132
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
Incident Energy (MeV)
16
59-Pr-132


MAT 5898
(p,p) α
59-Pr-132
Radionuclide Production Cross Section
57-La-128g
57-La-128m6
Cross Section (barns)
Incident Energy (MeV)
17
59-Pr-132


MAT 5898
(p,d) α
59-Pr-132
Radionuclide Production Cross Section
57-La-127g
57-La-127m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
18
Incident Energy (MeV)
59-Pr-132