

```

In[592]:= SetDirectory["~white/Desktop"];
Needs["PlotLegends`"]
data = Import["apd420-3-1.csv", "Data"];
Drop[data, 1];
Dimensions[data];
npts = %[[1]]

```

Out[597]= 45

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In[598]:= {HV, Id, It, It1, Gain, GainRat} = Transpose[data];

```

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In[599]:= data4314 = Import["apd431-4-6.csv", "Data"];
Drop[data4314, 1];
Dimensions[data4314];
npts = %[[1]]
{HV4, Id4, It4, It14, Gain4, GainRat4} = Transpose[data4314];

```

Out[602]= 31

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In[604]:= data4315 = Import["apd431-4-5.csv", "Data"];
Drop[data4315, 1];
Dimensions[data4315];
npts = %[[1]]
{HV5, Id5, It5, It15, Gain5, GainRat5} = Transpose[data4315];

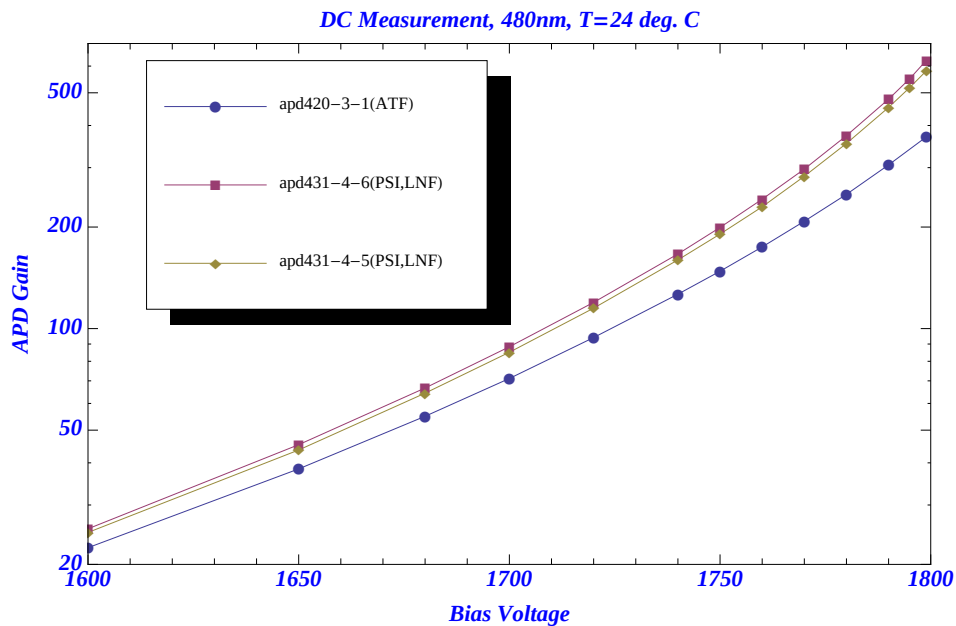
```

Out[607]= 31

```

In[609]:= ListLogPlot[{Transpose[{HV, Gain}], Transpose[{HV4, Gain4}], Transpose[{HV5, Gain5}]},
  AxesLabel → {Bias Voltage, APD Gain}, LabelStyle → Directive[Blue, Bold, Medium, Italic],
  PlotMarkers → {Automatic, Small}, Joined → True,
  ImageSize → Large, Frame → True, FrameLabel →
    {"APD Gain", ""}, {"Bias Voltage", "DC Measurement, 480nm, T=24 deg. C"}},
  PlotLegend → {"apd420-3-1(ATF)", "apd431-4-6(PSI, LNF)", "apd431-4-5(PSI, LNF)"},
  PlotRange → {{1600, 1800}, {20, 700}}]

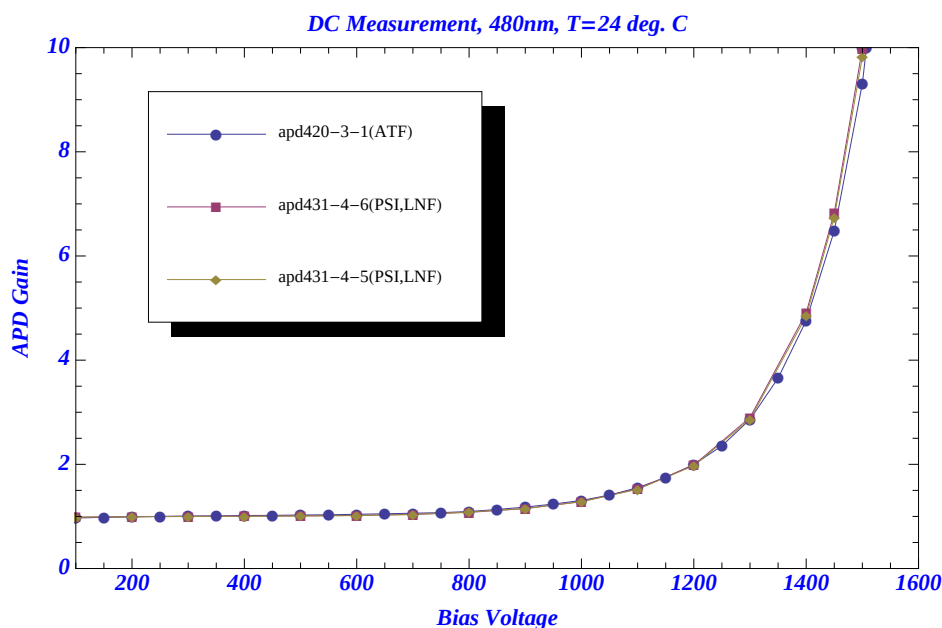
```



```

In[610]:= ListPlot[{Transpose[{HV, Gain}], Transpose[{HV4, Gain4}], Transpose[{HV5, Gain5}]},
  AxesLabel → {Bias Voltage, APD Gain}, LabelStyle → Directive[Blue, Bold, Medium, Italic],
  PlotMarkers → {Automatic, Small}, Joined → True,
  ImageSize → Large, Frame → True, FrameLabel →
    {"APD Gain", ""}, {"Bias Voltage", "DC Measurement, 480nm, T=24 deg. C"}},
  PlotLegend → {"apd420-3-1(ATF)", "apd431-4-6(PSI, LNF)", "apd431-4-5(PSI, LNF)"},
  PlotRange → {{100, 1600}, {0, 10}}]

```



```

In[616]:= ListLogPlot[{Transpose[{HV, Id}], Transpose[{HV4, Id4}], Transpose[{HV5, Id5}]],
  AxesLabel → {Bias Voltage, DarkCurrent},
  LabelStyle → Directive[Blue, Bold, Medium, Italic], PlotMarkers → {Automatic, Small},
  Joined → True, ImageSize → Large, Frame → True, FrameLabel → {"Dark Current (nAmp)", ""},
  {"Bias Voltage", "DC Measurement, 480nm, T=24 deg. C"}],
  PlotLegend → {"apd420-3-1(ATF)", "apd431-4-6(PSI, LNF)", "apd431-4-5(PSI, LNF)"},
  PlotRange → {{100, 1800}, {30, 20 000}}]

```

