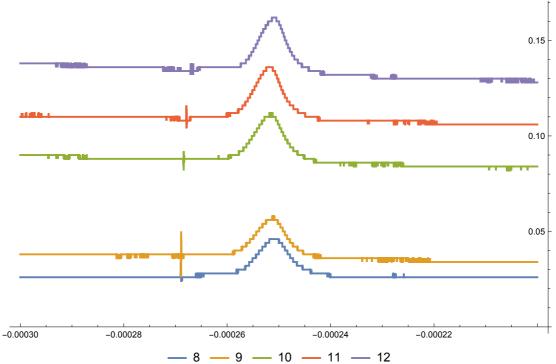
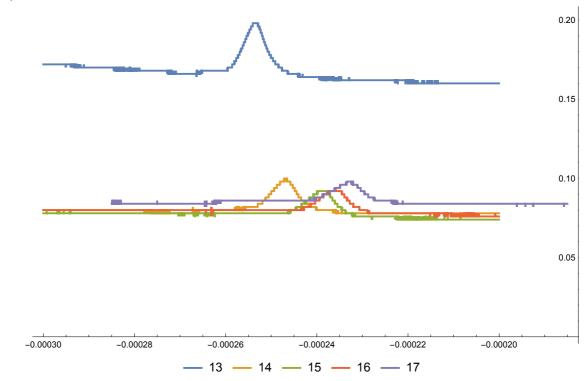
```
In[200]:=
       Charting`$InteractiveHighlighting = False
Out[200]=
       False
In[179]:=
       data = Join[Dataset[Import[ToString@StringForm[
                     "/Users/giovannigravili/Library/Mobile Documents/com~apple~
                       CloudDocs/LM MANO/Notebooks/HS/data/ALL000``.CSV",
                     #], "Table", "HeaderLines" → 18, "FieldSeparators" → ",",
                  "NumberPoint" → ".", CharacterEncoding → "UTF8"]][
                All, Range[1, 2]][All, <|"t (s)" \rightarrow 1, "V (V)" \rightarrow 2|>] & /@
            Range[1, 9], Dataset[Import[ToString@StringForm[
                     "/Users/giovannigravili/Library/Mobile Documents/com~apple~
                       CloudDocs/LM MANO/Notebooks/HS/data/ALL00``.CSV",
                     #], "Table", "HeaderLines" → 18, "FieldSeparators" → ",",
                  "NumberPoint" → ".", CharacterEncoding → "UTF8"]][All, Range[1, 2]][
              All, \langle | "t (s)" \rightarrow 1, "V (V)" \rightarrow 2 | \rangle ] & /@Range[10, 17]];
In[180]:=
       Length@data
Out[180]=
       17
In[181]:=
       data3to7 =
         Transpose[{#[All, "t (s)"], #[All, "V (V)"]} // Normal] & /@ Take[data, {3, 7}];
In[196]:=
       ListLinePlot[data3to7, ImageSize → Large,
        PlotLegends → Placed[Range[3, 7], Below]]
Out[196]=
                                                                                        0.16
                                                                                        0.12
                                                                                         0.10
       -0.00030
                       -0.00028
                                       -0.00026
                                                       -0.00024
                                                                       -0.00022
                                     3 — 4 — 5 — 6 — 7
```

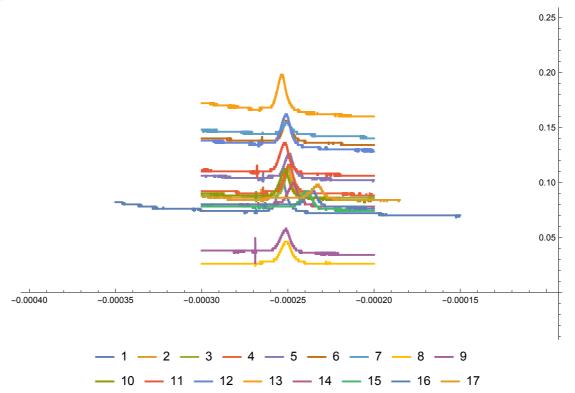


 In[194]:= ListLinePlot[data13to17, ImageSize → Large, PlotLegends → Placed[Range[13, 17], Below]]

Out[194]=



In[197]:= ListLinePlot[data2, PlotLegends → Placed[Range[1, 17], Below], ImageSize → Large] Out[197]=



```
In[188]:=
       datalast = Dataset[Import[ToString@StringForm[
                     "/Users/giovannigravili/Library/Mobile Documents/com~apple~CloudDocs
                        /LM MANO/Notebooks/HS/data/ALL00``.CSV",
                     #], "Table", "HeaderLines" → 18, "FieldSeparators" → ",",
                  "NumberPoint" → ".", CharacterEncoding → "UTF8"]][
               All, Range[1, 4]][All, \langle | "t_1 (s)" \rightarrow 1, "V_x (V)" \rightarrow 2,
               "t_2 (s)" \rightarrow 3, "V_v (V)" \rightarrow 4|>] & /@ Range[18, 19];
       datalast2 = Transpose[\{\#[All, "V_x (V)"], \#[All, "V_y (V)"]\} // Normal] \& /@ datalast;
In[190]:=
       Length@First@datalast2
Out[190]=
       5000
In[191]:=
       fit = Nonlinear Model Fit [First@datalast2, -a Exp[k (x - x0)] + b, \{a, b, k, x0\}, x]
Out[191]=
       FittedModel
                      1.24089 -0.00704839 e^{0.695075 (-1.53499 + x)}
In[202]:=
       Show[ListPlot[datalast2, ImageSize → Large,
          PlotLegends → Placed[{18, 19}, Below], PlotRange → All],
         Plot[fit[x], \{x, -10, 18\}, ImageSize \rightarrow Large, PlotStyle \rightarrow \{Dashed, Orange\}]]
Out[202]=
          -10
                                              -5
                                              -10
                                              -15
                                                • 18 • 19
```

In[193]:=