

```

dir = NotebookDirectory[]
SetDirectory[dir];

/Users/hallermann/Desktop/twopool control/out/

```

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## import

```

time300 = Flatten[Import["time300.txt", "Table"]];
time300[[1]] += 0.001;
tmp300 = Import["apAmp300.txt", "Table"];
tmpSim300 = Import["apAmp300Sim.txt", "Table"];
tmpexpo0300 = Import["nR_300.txt", "Table"];
tmpexpo1300 = Import["n1_300.txt", "Table"];
tmpexpo2300 = Import["n2_300.txt", "Table"];
tmpexpo4300 = Import["p1_300.txt", "Table"];
tmpexpo5300 = Import["p2_300.txt", "Table"];

numFiles = Length[tmp300[[1, All]]];

t300t1 = 10;
t300t2 = 23;
plR = {All, All};
train = 20;

For[i = 1, i ≤ numFiles, i += 1,
  (*For[i=numFiles-3,i≤numFiles,i+=1,*)
  (*For[i=1,i≤numFiles,i+=1,*)
  amp300 = tmp300[[All, i]];
  ampSim300 = tmpSim300[[All, i]];

  Print["File number: ", i, "
  -----
  -----"];

  (*log*)
  tmp1 = ListLogLinearPlot[Transpose[{time300, amp300}],
    PlotRange → All, Joined → True, DisplayFunction → Identity];
  tmp2 = ListLogLinearPlot[Transpose[{time300, ampSim300}], PlotRange → All,
    Joined → True, PlotStyle → Hue[0.7], DisplayFunction → Identity];
  gr300 = Show[{tmp1, tmp2}, PlotRange → plR, DisplayFunction → Identity];
  (*log part*)

```

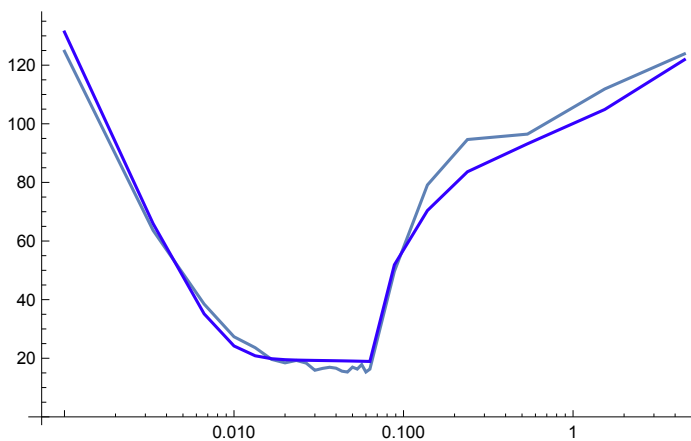
```

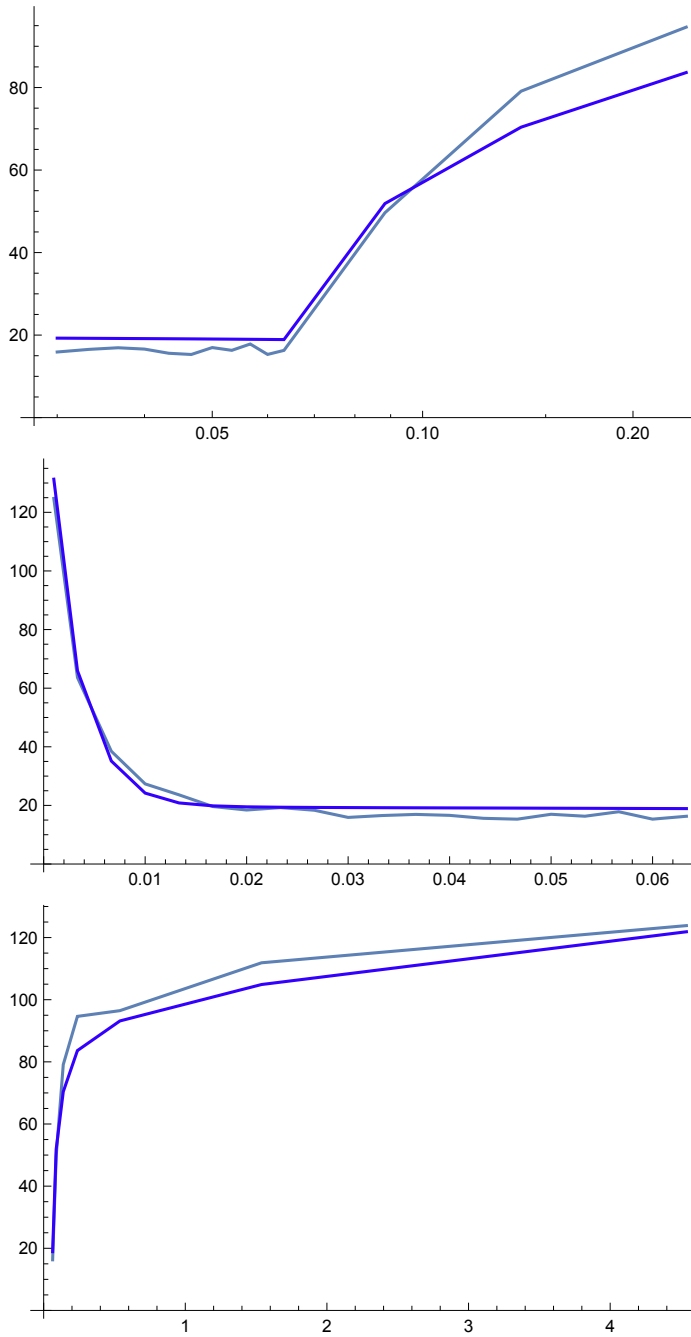
tmp1 = ListLogLinearPlot[Take[Transpose[{time300, amp300}], {t300t1, t300t2}],
  PlotRange → All, Joined → True, DisplayFunction → Identity];
tmp2 = ListLogLinearPlot[Take[Transpose[{time300, ampSim300}], {t300t1, t300t2}],
  PlotRange → All, Joined → True,
  PlotStyle → Hue[0.7], DisplayFunction → Identity];
gr300part = Show[{tmp1, tmp2}, PlotRange → plR, DisplayFunction → Identity];
(*train*)
tmp1 = ListPlot[Take[Transpose[{time300, amp300}], train],
  PlotRange → All, Joined → True, DisplayFunction → Identity];
tmp2 = ListPlot[Take[Transpose[{time300, ampSim300}], train], PlotRange → All,
  Joined → True, PlotStyle → Hue[0.7], DisplayFunction → Identity];
gr300tr = Show[{tmp1, tmp2}, PlotRange → plR, DisplayFunction → Identity];
(*after train*)
tmp1 = ListPlot[Take[Transpose[{time300, amp300}], {train, Length[time300]}],
  PlotRange → All, Joined → True, DisplayFunction → Identity];
tmp2 = ListPlot[Take[Transpose[{time300, ampSim300}], {train, Length[time300]}],
  PlotRange → All, Joined → True,
  PlotStyle → Hue[0.7], DisplayFunction → Identity];
gr300rec = Show[{tmp1, tmp2}, PlotRange → plR, DisplayFunction → Identity];

Print[Show[{gr300}]];
Print[Show[{gr300part}]];
Print[Show[{gr300tr}]];
Print[Show[{gr300rec}]]
];

```

File number: 1





## show rates and chi2

```
tmp = Import["rates.txt", "Table"];
Print[{{"n2tot", "U2", "k1", "chi2"}, Flatten[tmp, 1]} // MatrixForm]
( n2tot   U2     k1    chi2 )
( 2.4655  0.887597 52.1365 1.153 )
```