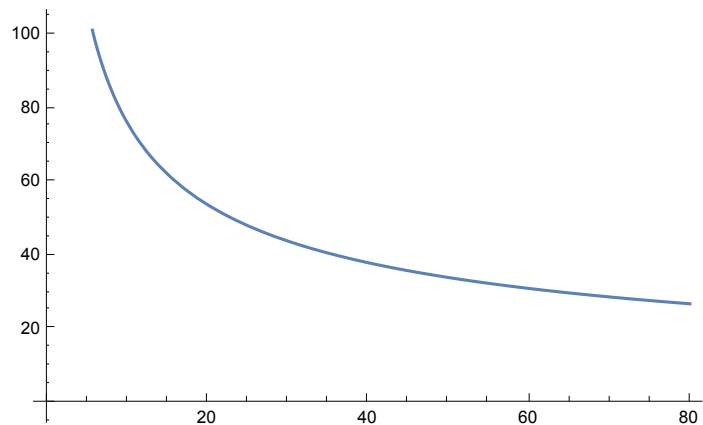


```

sigmaloverv = 240.
resmod[npe_] := sigmaloverv / Sqrt[npe];
Plot[resmod[x], {x, 1, 80}, AxesOrigin -> {0, 0}]
240.

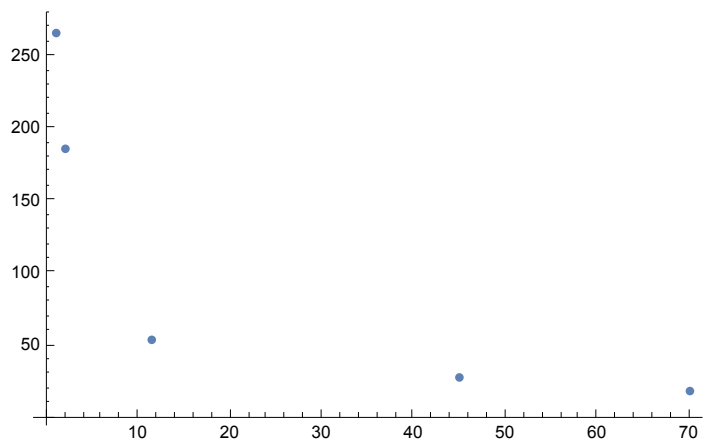
```



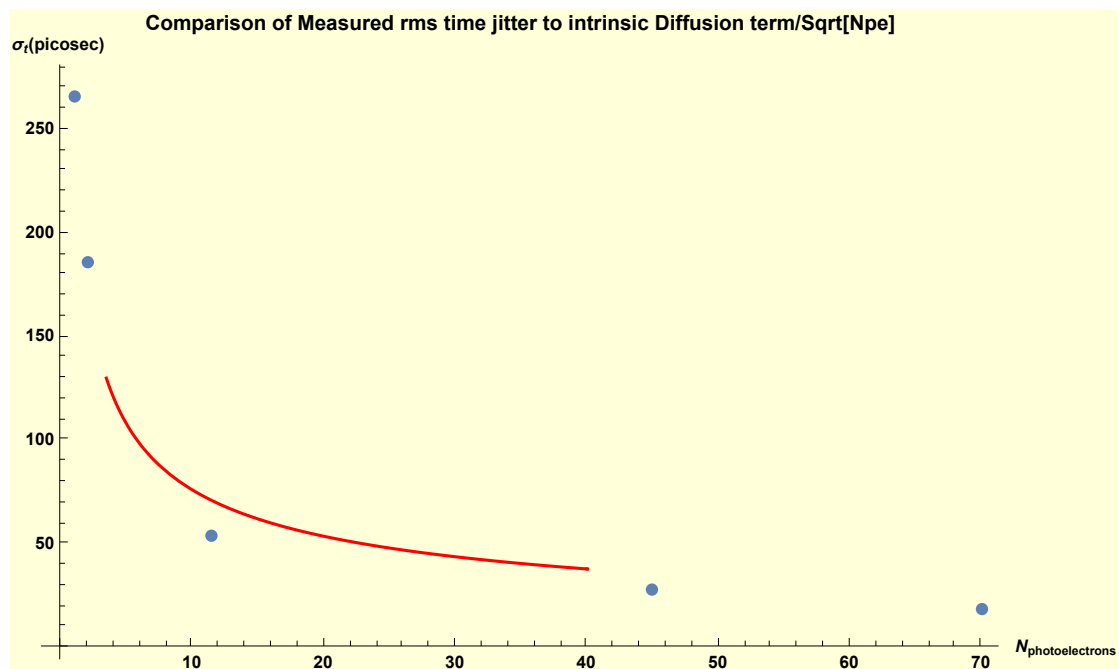
```

photoelectrons = {1, 2, 11.4, 44.9, 70};
timeres = {266, 186, 54, 28, 18.6};
ListPlot[Transpose[{photoelectrons, timeres}]]

```



```
slpp2 = Show[ListPlot[Transpose[{photoelectrons, timeres}],
  AxesOrigin → {0, 0}, AxesLabel → {"Nphotoelectrons", "σt(picosec) "},
  Plot[resmod[x], {x, 2, 40}, PlotStyle → Red],
  ImageSize → Large, Background → LightYellow,
  PlotLabel → "Comparison of Measured rms time jitter to intrinsic Diffusion
    term/Sqrt[Npe]", LabelStyle → {GrayLevel[0], Bold} (*, Frame→True*)]
```



```
resmod[1]
```

```
240.
```