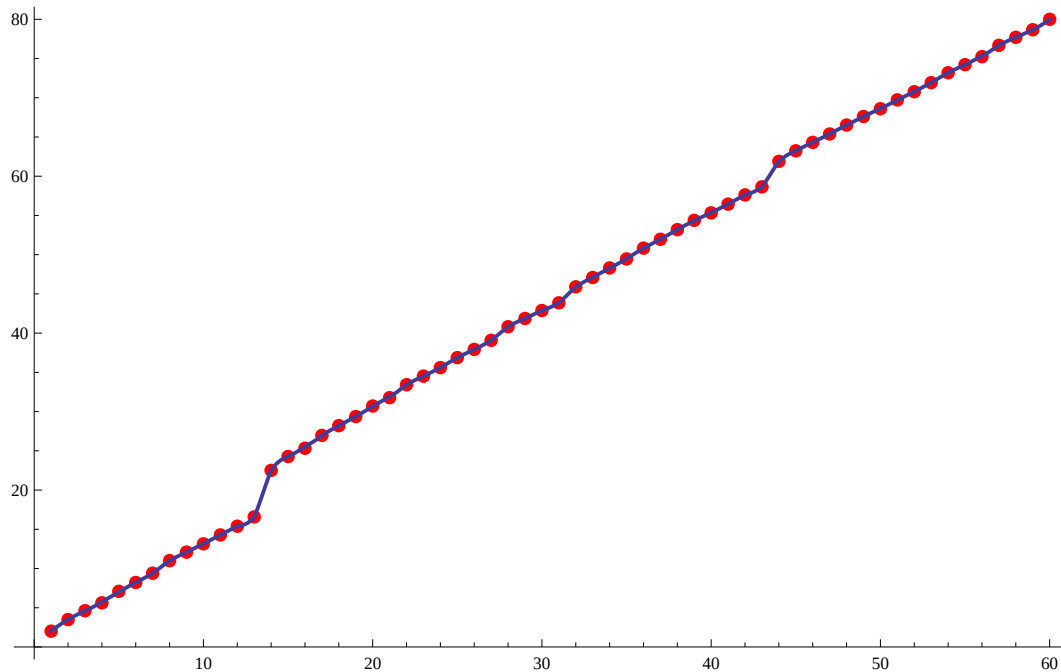


```

g = Interpolation[Transpose[{time, cumdep}]];
Show[
  ListPlot[cumdep, PlotStyle -> Directive[Red, PointSize[Large]]],
  Plot[g[x], {x, 1, 60}
  , PlotStyle -> Thick, ImageSize -> Large]]

```



In[38]:=

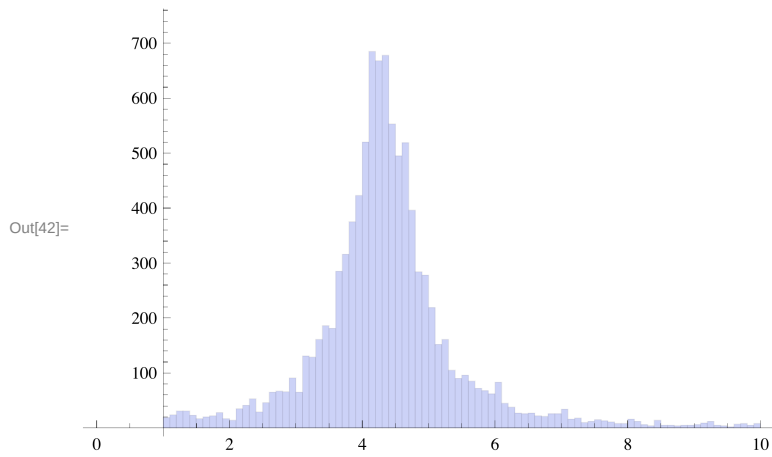
```

σ = 0.08; μ = 1.2;
time = Range[40]; meantime = ConstantArray[0, 10 000];
cumdep = ConstantArray[0, 40]; tenpercen = ConstantArray[0, 10 000]; ngood = 0;
Do[
  edep = RandomReal[LandauDistribution[μ, σ], 40];
  cumdep[[1]] = edep[[1]];
  Do[cumdep[[i]] = cumdep[[i - 1]] + edep[[i]], {i, 2, 40}];
  tenpercen[[ievent]] = 4.6;
  If[cumdep[[1]] < 0.1 * cumdep[[40]], , Goto[skip]];
  ngood++;
  g = Interpolation[Transpose[{time, cumdep}]];
  tenpercen[[ievent]] =
    Flatten[FindRoot[g[x] - 0.1 * cumdep[[40]], {x, 1, 40}, Method -> "Brent"] /.
      Rule -> List][[2]];
  Label[skip]
  , {ievent, 10 000}];

```

```
In[41]:= ngood  
Histogram[tenpercen, {0, 10, .1}]  
mten = Mean[tenpercen]  
rmsten = RootMeanSquare[tenpercen - mten]
```

Out[41]= 9882



Out[43]= 4.61053

Out[44]= 2.30398