

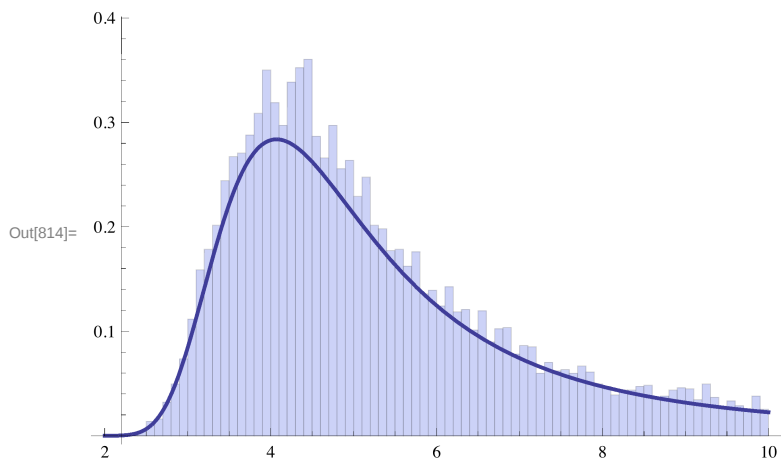
In[813]:=

```
data = RandomReal[LandauDistribution[4.500, 1.00], 10^4];
```

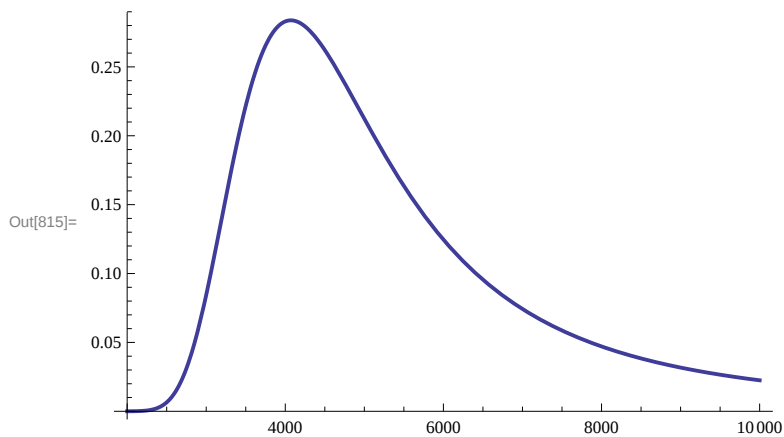
Compare its histogram to the PDF :

In[814]:= Show[

```
  Histogram[data, {2, 10.000, .10}, "PDF"],  
  Plot[PDF[LandauDistribution[4.500, 1.00], x],  
    {x, 2, 10.000}, PlotStyle -> Thick]
```



In[815]:= Plot[PDF[LandauDistribution[4.500, 1.00], x / 1000],
 {x, 2000, 10 000}, PlotStyle -> Thick]



```
In[816]:= Plot[PDF[LandauDistribution[4.5, 1.],  $\frac{x}{1000}$ ], {x, 2000, 10 000},  
PlotStyle → Directive[Hue[0.67, 0.6, 0.6], DotDashed]]
```

