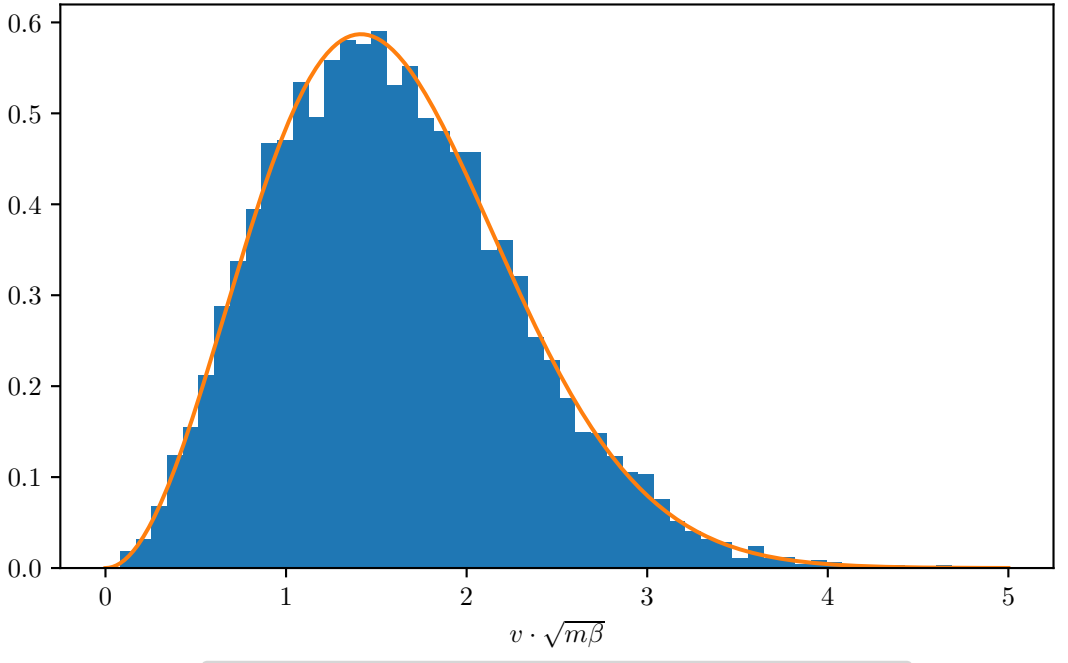
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0
1
2
3
4
5
$v \cdot \sqrt{m\beta}$
$p(v) \cdot \sqrt{m\beta}^{-1} = 4\pi \sqrt{\frac{m\beta}{2\pi}}^{3} v^2 \cdot \exp\left(-\beta \frac{mv^2}{2}\right) \cdot \sqrt{m\beta}^{-1}$
normalized histogram for $v \cdot \sqrt{m\beta}$