Toy Data B - Cat 2

Legend:
- KDE
- $\lambda = 0$ ($\hat{\eta}_{(b)}$:0.0112, p.val$_{(b)}$:0, $\hat{\eta}_{(ub)}$:0.0112, p.val$_{(ub)}$:0)
- $\lambda = 0.005$ ($\hat{\eta}_{(b)}$:0.0073, p.val$_{(b)}$:0, $\hat{\eta}_{(ub)}$:0.0073, p.val$_{(ub)}$:0)
- $\lambda = 0.01$ ($\hat{\eta}_{(b)}$:0.0035, p.val$_{(b)}$:0.0047, $\hat{\eta}_{(ub)}$:0.0035, p.val$_{(ub)}$:0.0046)
- $\lambda = 0.015$ ($\hat{\eta}_{(b)}$: $-$4e-04, p.val$_{(b)}$:0.6285, $\hat{\eta}_{(ub)}$: $-$4e-04, p.val$_{(ub)}$:0.6265)

Axis labels: Events (y-axis), Energy (Gev) (x-axis)