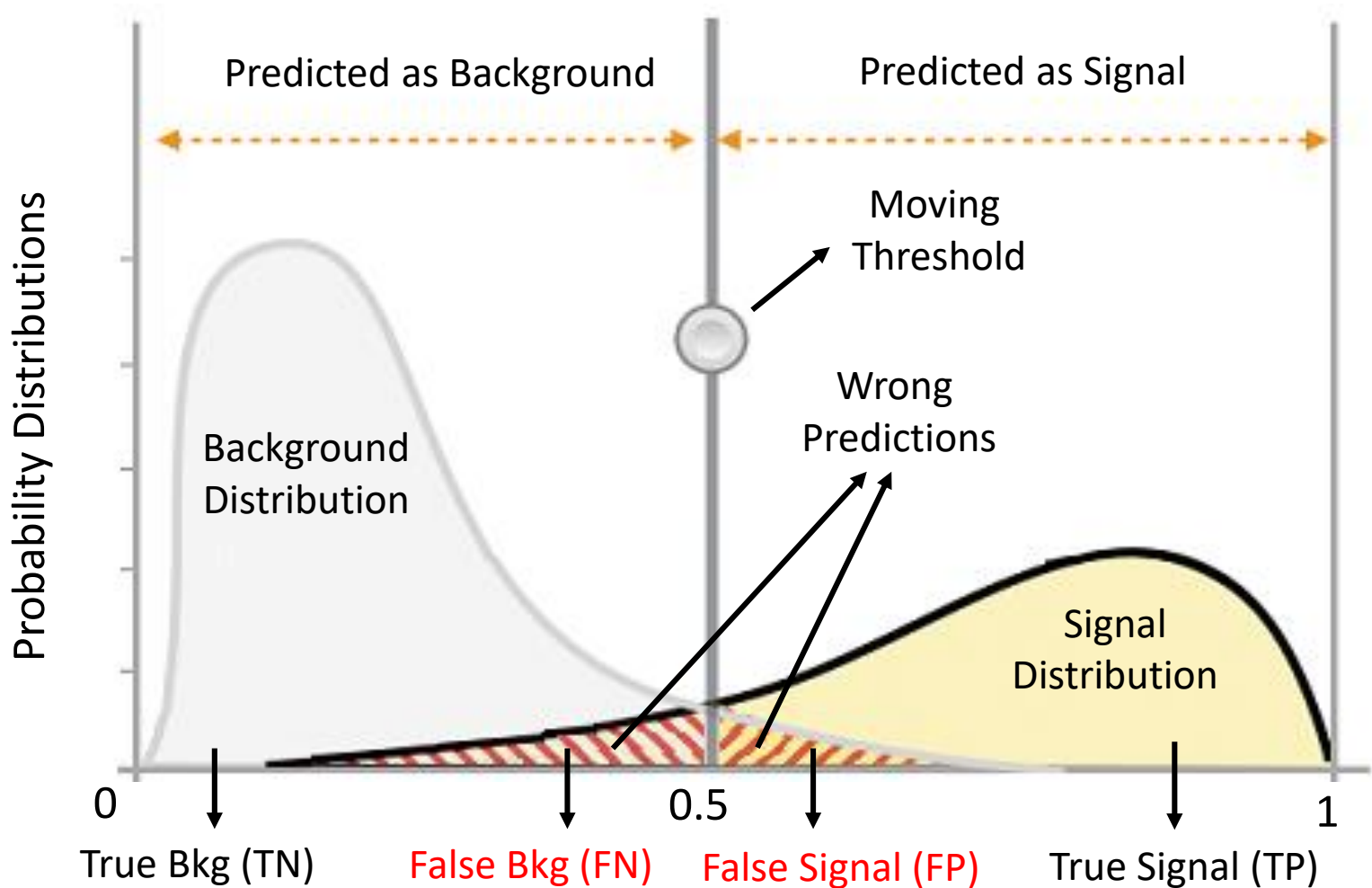


Classification vs ROC Curves

Reference Class: Signal

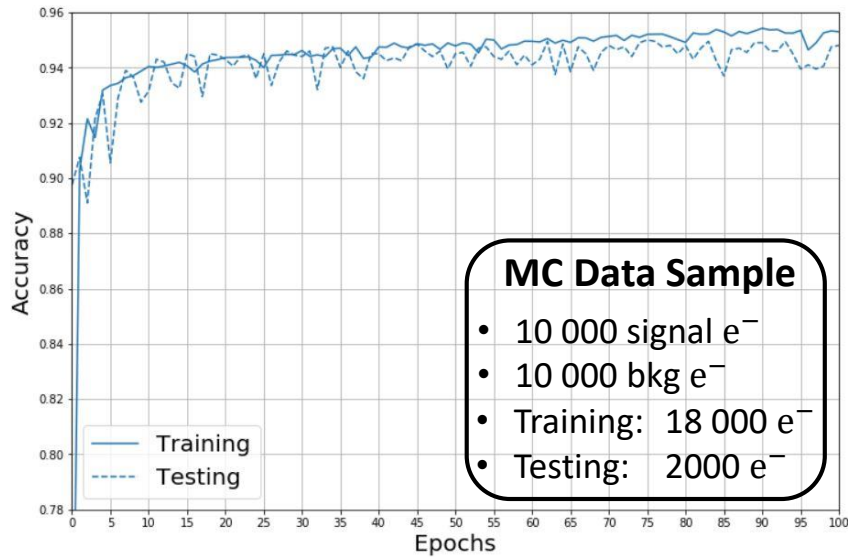


$$\text{Signal efficiency} = \frac{TP}{TP+FN}$$

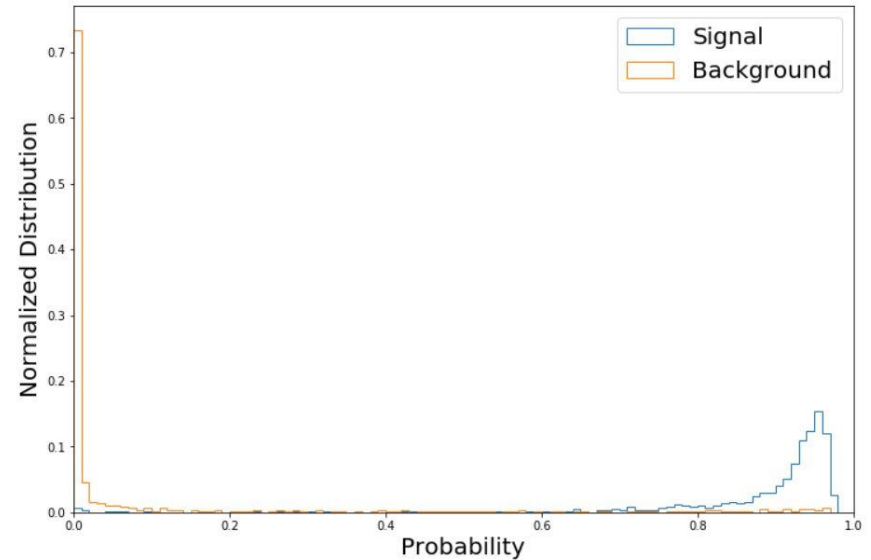
$$\text{Background rejection} = \frac{TN}{TN+FP}$$

CNN Results: Accuracy and ROC Curve

Accuracy Curve



Testing Sample Distribution after Training



Testing Sample ROC Curve

