XGBoost output, SUSY I125 n95 ee dataset, uscaled validation data 10<sup>5</sup> Background Signal  $10^{4}$ 10<sup>3</sup> Events 10<sup>2</sup>  $10^1$ 10° 0.4 0.2 0.8 0.0 0.6 1.0

XGBoost output