Test on 1000 backgrounds and 100 signals MMD-L MMD-G 5 MMD-O Scheffe no thres MMD-L-thres MMD-G-thres 4 · MMD-O-thres Scheffe-thres p-value/σ 2 1 0.10.2 0.8 1.4 2.0 2.6 training set size/million