TMVA overtraining check for classifier: BDT × Signal (test sample) Signal (training sample) 10 **Background (test sample)** Background (training sample) 1/N) dN Kolmogorov-Smirnov test: signal (background) probability = 8 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 6 4 2 -0.4 -0.3-0.2-0.1 0.1 0.2 **BDT** response