TMVA overtraining check for classifier: BDT ŏ Signal (training sample) Signal (test sample) 10 **Background (test sample)** Background (training sample) 1/N) dN Kolmogorov-Smirnov test: signal (background) probability = 0 (0.046) 8 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 6 4 2 0.2 -0.4-0.3 -0.2-0.1 O 0.1 **BDT** response