TMVA overtraining check for classifier: BDT (1/N) dN / dx Signal (test sample) Signal (training sample) **20 Background (test sample) Background (training sample)** 18 Kolmogorov-Smirnov test: signal (background) probability = 0.111 (0.225) 16 14 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% **12** 10 8 6 4 2 -0.48.0 -0.6-0.20.2 0.4 0.6 -0.8 **BDT** response