## TMVA overtraining check for classifier: BDT (1/N) dN / dx Signal (test sample) Signal (training sample) **12 Background (test sample) Background (training sample)** Kolmogorov-Smirnov test: signal (background) probability = 0.002 ( 10 8 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)%6 4 2 8.0 -0.8-0.6**-0.4** 0.2 0.4 0.6 -0.2**BDT** response