TMVA overtraining check for classifier: BDTG (1/N) dN / dx Signal (test sample) Signal (training sample) 14 **Background (test sample)** Background (training sample) Kolmogorov-Smirnov test: signal (background) probability = 0.541 (0.116) 12 10 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 8 6 4 2 8.0 -0.6-0.40.2 0.4 0.6 -0.2**BDTG** response