TMVA overtraining check for classifier: BDTG ŏ Signal (training sample) Signal (test sample) 1/N) dN/ 16 Background (test sample) *Background (training sample)* Kolmogorov-Smirnov test: signal (background) probability = 0.05 (0.003) 14 **12** J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 10 8 6 4 2 -0.4 -0.2 0.2 8.0 -0.8 -0.6 0.4 0.6 0 **BDTG** response