TMVA overtraining check for classifier: BDTA 24 (1/N) dN / dx Signal (test sample) Signal (training sample) **22 Background (test sample) Background (training sample)** 20 Kolmogorov-Smirnov test: signal (background) probability = 0.418 (0.454) 18 16 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 14 **12** 10 8 6 0 0.5 -0.5**BDTA** response