TMVA overtraining check for classifier: BDT2 (1/N) dN / dx Signal (training sample) Signal (test sample) **Background (test sample)** Background (training sample) 3 Kolmogorov-Smirnov test: signal (background) probability = 0.145 (0.499) 2.5 2 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 1.5 0.5

-0.4

-0.2

-0.8

-0.6

BDT2 response

0.2