TMVA overtraining check for classifier: BDT Signal (test sample) Signal (training sample) 4 **Background (test sample) Background (training sample)** 3.5 Kolmogorov-Smirnov test: signal (background) probability = 0.372 (0.002) J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 2.5 1.5 0.5

0.2

(1/N) dN / dx

-0.8

-0.6

-0.4

BDT response

0.4

0.6

0.2