TMVA overtraining check for classifier: BDT Signal (test sample) Signal (training sample) 3 **Background (test sample) Background (training sample)** Kolmogorov-Smirnov test: signal (background) probability = 0.088 (0.703) 2.5 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 2 1.5 0.5

0

0.2

0.4

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/Np (N/L)

-0.6

-0.4

-0.2

BDT response

0.6

8.0