## TMVA overtraining check for classifier: BDT Signal (training sample) Signal (test sample) **Background (test sample) Background (training sample)** 1/N) dN 6 Kolmogorov-Smirnov test: signal (background) probability = 0.281 (0.061) 5 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 4 3 2 0.3 -0.4 -0.3-0.2-0.1 0 0.1 0.2

**BDT** response