TMVA overtraining check for classifier: BDTA (1/N) dN / dx Signal (test sample) Signal (training sample) 30 **Background (test sample)** Background (training sample) Kolmogorov-Smirnov test: signal (background) probability = 0.496 (0.108) 25 20 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 15 10 5 0.2 0.1 0.3 0.4 0.5 0.6 0.7 8.0 0.9 **BDTA** response