TMVA overtraining check for classifier: BDTA (1/N) dN / dx Signal (test sample) Signal (training sample) **60 Background (test sample)** Background (training sample) Kolmogorov-Smirnov test: signal (background) probability = 0.297 (0.083) **50** 40 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 30 20 10 0.2 0.3 0.5 0.4 0.6 0.7 **BDTA** response