TMVA overtraining check for classifier: BDTA (1/N) dN / dx Signal (test sample) Signal (training sample) **70 Background (test sample) Background (training sample) 60** Kolmogorov-Smirnov test: signal (background) probability = 0.493 (0.386) **50** J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% 40 **30** 20 10 0.2 0.3 0.5 0.6 0.7 0.4 **BDTA** response