## TMVA overtraining check for classifier: MLP 20 Signal (test sample) Signal (training sample) N D **Background (test sample)** Background (training sample) 18 Kolmogorov-Smirnov test: signal (background) probability = 0.374 (0.419) (1/N) 16 14 J/O-flow (S,B): (0.0, 0.0)% / (0.0, 0.0)% **12** 10 8 6 2 0.3 0.5 0.6 8.0 0.9 0.1 0.2 0.4 0.7 **MLP** response