



*differential cross-section:*

- systematic uncertainty band: analysis+normalisation
- systematic uncertainty band: analysis only
- statistical uncertainties
- data (90-DS4-sc-ob)

*fit parametrisation:*

hadronic modulus  $a \exp(\sum_{n=1}^{N_b} b_n t^n)$ : variable

$p_0(q)$ : fixed

other phase parameters: fixed

*fits with statistical uncertainties:*

— KL,  $N_b = 2$ , con:  $\chi^2/\text{ndf} = 34.2/27 = 1.266 \Rightarrow \text{p-value} = 1.61 \times 10^{-1}$ , significance =  $1.40 \sigma$

— KL,  $N_b = 3$ , con:  $\chi^2/\text{ndf} = 26.8/26 = 1.030 \Rightarrow \text{p-value} = 4.20 \times 10^{-1}$ , significance =  $0.81 \sigma$

*fits with statistical and systematic uncertainties:*

— KL,  $N_b = 2$ , con:  $\chi^2/\text{ndf} = 32.7/27 = 1.210 \Rightarrow \text{p-value} = 2.08 \times 10^{-1}$ , significance =  $1.26 \sigma$

— KL,  $N_b = 3$ , con:  $\chi^2/\text{ndf} = 25.8/26 = 0.994 \Rightarrow \text{p-value} = 4.72 \times 10^{-1}$ , significance =  $0.72 \sigma$