

a.u.

LHCb Simulation

$$\mu = 5360.9 \pm 0.3_{\text{stat}} \text{ MeV}/c^2$$

$$\sigma = 39.9 \pm 0.4_{\text{stat}} \pm 3.2_{\text{syst}} \text{ MeV}/c^2$$

$$\alpha_l = 0.64 \pm 0.01_{\text{stat}} \pm 0.07_{\text{syst}}$$

$$\alpha_r = 0.93 \pm 0.01_{\text{stat}} \pm 0.02_{\text{syst}}$$

$$n_l = 2.20 \pm 0.24_{\text{stat}} \pm 0.27_{\text{syst}}$$

$$n_r = 4.2 \pm 0.1_{\text{stat}} \pm 1.5_{\text{syst}}$$

0.05

0.04

0.03

0.02

0.01

0

5000

5200

5400

5600

5800

$m_{e\mu}$ [MeV/c²]