transversal vs longitudinal momentum for $\overline{\Lambda}^0$ 0.8_{I} pt/GeV/c 500 PANDA MC simulation 400 0.6 0.5 300 0.4 200 0.3 0.2 100 0.1 3.5 4 pz/GeV/c 0.5 1.5 2.5 3