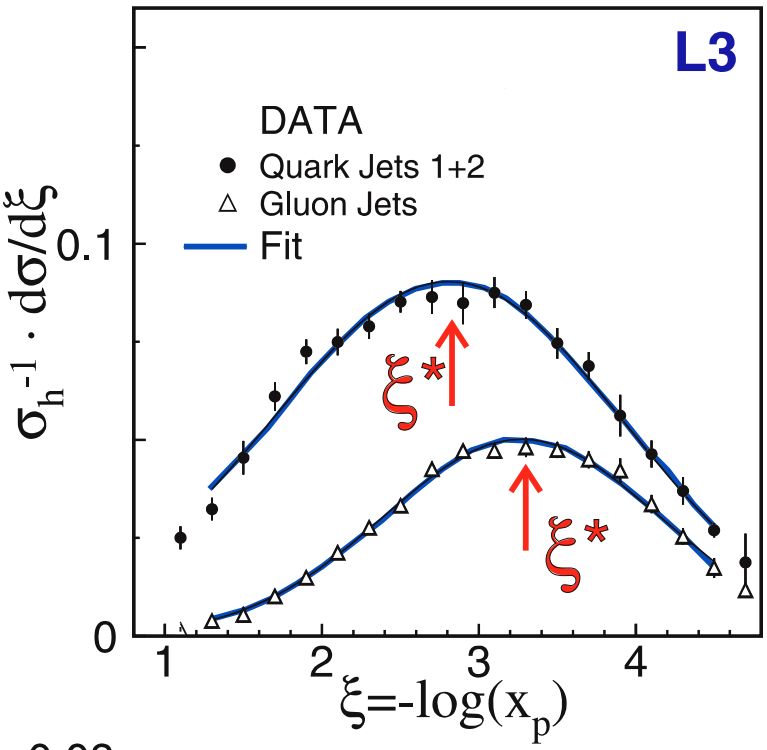
# momentum spectra in quark and gluon jets

**the production rates are again established for different $\xi_p$ bins where $\xi_p = -\log(p/E_{beam})$**



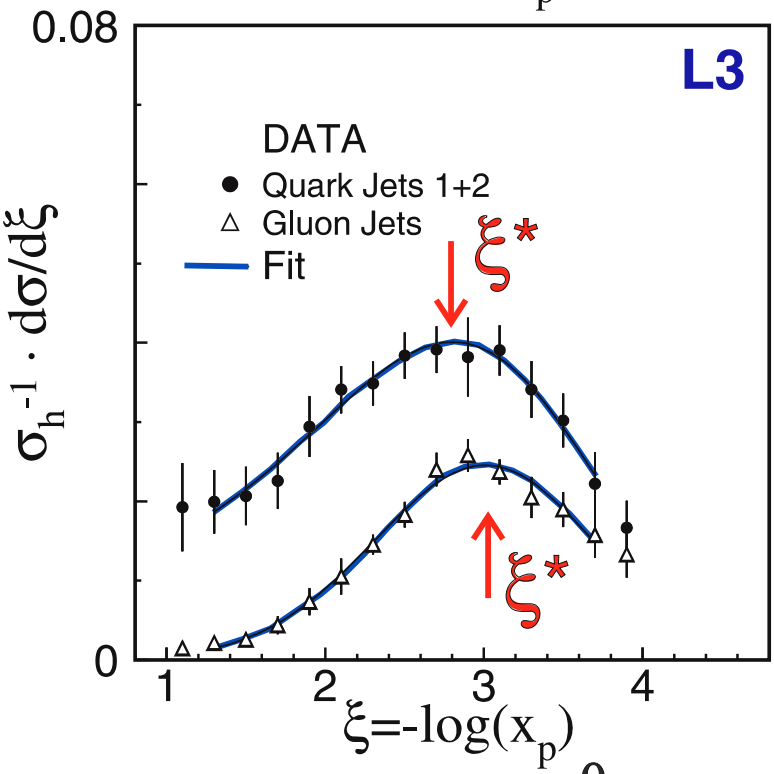

$K^0_s$

in quark jets

DATA: $\xi^*=2.81 \pm 0.04$
JETSET: $\xi^*=2.69$
HERWIG: $\xi^*=2.80$

in gluon jets

DATA: $\xi^*=3.28 \pm 0.03$
JETSET: $\xi^*=3.28$
HERWIG: $\xi^*=3.47$




$\Lambda$

in quark jets

DATA: $\xi^*=2.81 \pm 0.07$
JETSET: $\xi^*=2.45$
HERWIG: $\xi^*=2.67$

in gluon jets

DATA: $\xi^*=3.01 \pm 0.05$
JETSET: $\xi^*=2.92$
HERWIG: $\xi^*=3.06$

- **larger shift for $K^0_s$ than for $\Lambda$**
- **the same shift as for $K^0_s$ in DATA is expected for both $K^0_s$ and $\Lambda$.**

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