

pPb,  $\sqrt{s_{NN}} = 8.16$  TeV ( $185 \leq N_{\text{trk}}^{\text{offline}} < 250$ )

Pseudoexperiments

**CMS Preliminary**

$0 < p_{T,f_0(980)} < 6$  GeV/c

$|x_{\text{obs}} - \langle x_{n_q=4} \rangle| = 3.05 \sigma$

$n_q=2$

$n_q=4$

→ Observed

-200

-100

0

100

200

$-2\ln(L_{n_q=4}/L_{n_q=2})$

