

## First and second moments of the strange parton distribution from Lattice QCD

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Abstract: I will present the first lattice results on first and second moments of the strange parton distribution. The results are obtained by using the noise estimator in quenched approximation on a  $16^3 \times 24$  lattice with the Wilson action and lattice spacing at 0.1 fm. We have employed an unbiased subtraction method to reduce variance in the estimator. Results obtained here could be useful to constrain the fitting of experimental data to obtain parton distribution functions.