

# DIS2023: XXX International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 259

Type: **Parallel talk**

## **CMS jet measurements and constraints on PDFs and $\alpha_S$**

*Tuesday, 28 March 2023 16:50 (20 minutes)*

Recent measurements of jet cross sections in proton-proton collisions with the CMS experiment are presented. The measured jet cross sections are corrected for detector effects and compared with the predictions from perturbative QCD, and exploited to derive constraints on parton distribution functions and to measure  $\alpha_S$ .

### **Submitted on behalf of a Collaboration?**

Yes

### **Participate in poster competition?**

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**Session Classification:** WG 1

**Track Classification:** WG1: Structure Functions and Parton Densities