

DEEPER TALKS

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THE INSTITUTE
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AT SURF



SPEAKER:

DR. JAMES BOWEN

UNIVERSITY OF KANSAS



UPCOMING TALK
DEC 10, 2025 • 9AM MT
VIRTUAL

HIGH ENERGY NUCLEAR PHYSICS

This talk explores how data from the Compact Muon Solenoid Experiment at the Large Hadron Collider was used to study dijets from photon-nuclear collisions. Dijet measurements help probe the distribution and behavior of gluons within nuclei—key to understanding the quark-gluon plasma and other quantum phenomena. By examining azimuthal correlations in dijet momentum, researchers observed a positive correlation, offering fresh insight into gluon structure and supporting recent theoretical predictions.



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