

15th International Workshop on Boosted Object Phenomenology,
Reconstruction, Measurements, and Searches at Colliders



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A Field Guide for Event Isotropy

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In this talk, we present several variations, applications, and analytic interpretations of the event-shape observable *event isotropy*. We explore how the observable can be altered, e.g. by varying the distance metric, the reference topology, the underlying geometry, etc., to be more or less sensitive to features of the event. With these studies one can improve their discrimination power in searches for rare SM processes or BSM phenomena.

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Session Classification: New Observables