

A metric for collider events

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When are two collider events similar? In this talk, I will answer this question by developing a metric between the radiation patterns of events. The metric is based on the well known earth mover's distance, and intuitively is the minimum "work" required to rearrange the energy flow of one event into the other. With a metric in hand, I will discuss and demonstrate numerous tools for analyzing and visualizing the space of events for collider applications.

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