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Initial state and final state effects on azimuthal correlations in p+p and p+A collisions.

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Observations of long rang azimuthal correlations in small collision systems (p+p/A) have triggered an enormous excitement in the heavy-ion community. However, it is presently unclear to what extent the experimentally observed correlations should be attributed to initial state momentum correlations and/or the final state response to the initial state geometry. Starting from a brief overview of the competing explanations, I will discuss recent theoretical progress to quantify the relative importance of initial state and final state effects and distinguish their signatures.

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