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Ultra-relativistic light-heavy nuclear collisions and collectivity

Monday, 9 March 2015 10:30 (25 minutes)

I will talk about collective aspects in theoretical description of ultra-relativistic p-A, d-A, and ^3He -A (A is a heavy nucleus) collisions, where recent measurements have been carried out at RHIC and the LHC. I will also show predictions for ^{12}C -A reactions, where the harmonic flow patterns are sensitive to the deformation of the ^{12}C ground-state wave function, thus offering a new probe of the lowest-energy nuclear dynamics.

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