

## Distributions of harmonic flow coefficients and sensitivity to granularity scale

The  $v_n$  distributions measured by ATLAS and ALICE may be used to rule out initial condition models. So far few models (IP-Glasma and EKRT) have been able to pass this test. An interesting question is whether the size of the fluctuations plays a part. In a recent paper [J.Noronha-Hostler, J.Noronha, M.Gyulassy Phys. Rev. C 93, 024909 (2016) ], it was shown that event-averaged quantities such as  $v_n(pT)$  and  $v_n$  exhibit little dependence on the energy scale granularity. Here it is shown that this also applies on an event-by-event basis. Results for a third model, NeXus, leading to good results for the  $v_n$  distributions are also shown.

### Preferred Track

Collective Dynamics

### Collaboration

Not applicable

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