

# Strangeness in Quark Matter 2019



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## Dependence of observables on the hadronic equation of state.

*Tuesday 11 June 2019 18:45 (2 hours)*

The novel microscopic n-body dynamical transport approach PHQMD (Parton-Hadron-Quantum-Molecular-Dynamics) extends the established PHSD (Parton-Hadron-String-Dynamics) transport approach by introducing n-body quantum molecular dynamic type propagation of hadrons and by allowing to choose the equations of state with different compression modulus.

We present first results of the study on the sensitivity of the strangeness reduction and anisotropic flow harmonics for  $(\pi, K, p)$  on “hard” and “soft” equation of state within PHQMD model.

### Collaboration name

### Track

Strangeness and Light Flavour

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**Session Classification:** Poster session with “aperitivo”