

# Strangeness in Quark Matter 2019



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## Collision energy dependence of the kinetic freeze-out parameters

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We report on results of fitting  $pt$  spectra of identified particles with the blast-wave model with included resonances and chemical potentials according to the model of partial chemical equilibrium. Bayesian technique with Gaussian emulator is used in the fitting procedure. Spectra from the RHIC BES programme and LHC are included in the analysis. For central collisions, the freeze-out temperature decreases with increasing collision energy, while for centralities above 30% a maximum around the energy per nucleon pair of 39 GeV appears. Transverse flow always grows monotonically with the energy. Owing to the non-equilibrium chemical potentials a larger portion of particles is produced directly and not from resonance decays, comparing with the composition at the chemical freeze-out.

### Collaboration name

### Track

Strangeness and Light Flavour

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