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Strangeness at finite temperature

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We give a lattice-based description of QCD thermodynamics in the hadronic phase from staggered simulations of up to $N_t = 16$. Using generalized quark number susceptibilities we obtain the free energy in various strangeness sectors and compare it with the expectations from the hadron resonance gas model. We use the findings to disambiguate between various spectrum tables. Thus we constrain the abundance of strange mesons and baryons using finite temperature data

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