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**UNIVERSITÄT
HEIDELBERG**
ZUKUNFT
SEIT 1386

STRUCTURES JOUR FIXE

LAVINIA HEISENBERG

Institut für Theoretische Physik, Uni Heidelberg

“Cracks in LCDM”

May 13, 2022 1:30 PM

Pretalk by Matthias Bartelmann starts at 1:00 PM

**HYBRID: Great lecture hall in Philosophenweg 12 and
Zoom. Meeting ID: 935 6549 3662, Code: 928036
Contact: office@structures.uni-heidelberg.de**



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ABSTRACT

After introducing the standard model of cosmology and its parameters, I will discuss two important tensions between early and late-time measurements, namely the H_0 tension and the σ_8 tension. Considering a small late-time deviation of the standard model, I will derive fully analytical conditions that any late-time dark energy model has to satisfy in order to solve both tensions simultaneously (see [arxiv:2201.11623](https://arxiv.org/abs/2201.11623)).

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