

## **Theoriekolloquium**

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Am **15. November 2018** um **14.15 Uhr** in **W2 1-143** hält

**Herr Prof. Dr. Ralf Hofmann (Heidelberg)**

einen Vortrag mit dem Titel

### **SU(2) Yang-Mills thermodynamics and its implications for the cosmological model**

Based on a non-perturbative and largely analytical approach to Yang-Mills thermodynamics and considering the low-frequency excess of radiance in the present CMB spectrum we put forward the postulate that thermal photon gases are subject to an SU(2) rather than a U(1) gauge principle. Implications for the CMB temperature-redshift relation and the dark sector of the cosmological model are discussed. In this context, the local-global  $H_0$  discrepancy is reduced to the common use of a U(1) model for CMB photons in parameter fits to the extremely well measured CMB power spectra.

Interessierte sind herzlich eingeladen.

gez. Prof. Dr. Jutta Kunz