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Institut für Kernphysik  
Theoriezentrum  
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TECHNISCHE  
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DARMSTADT

## Theorie-Seminar

— Prof. Dr. Thomas Schäfer (NC State University)

### **Stochastic fluid dynamics: Effective actions and new numerical tools**

— Donnerstag, 12.05.2022 um 14.00 Uhr im Theoriezentrum, S2 | 11 R.10  
(plus Zoom)

Recent interest in stochastic fluid dynamics is motivated by the search for a critical point in the QCD phase diagram. I will discuss old ideas about effective actions that have recently received new interest, and some new ideas about how to implement stochastic fluid dynamics in numerical simulations.

Zoom-Link: <https://tu-darmstadt.zoom.us/j/61501472982?pwd=UXZtaWUyWXAwejl4RFRKTzZlCMlZXdz09>

Passcode: 223812

— A. Arcones J. Braun M. Buballa  
H.-W. Hammer K. Hebeler G. Martinez Pinedo  
G. Moore R. Roth A. Schwenk Wambach

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