



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG

CHAMPP

CENTER IN HAMBURG
FOR ASTRO, MATHEMATICAL
AND PARTICLE PHYSICS

LECTURE COURSE IN THE CHAMPP GRADUATE SCHOOL

Winter Term 2018/2019

Workshop Seminar: Hot topics in QFT and String Theory

P. Liendo, G. Papathanasiou, E. Pomoni, T. Konstandin, G. Servant,
A. Westphal

Course Description:

- October 23: 'Bootstrap basics I: The conformal algebra and correlation functions' (Jan Peter Carstensen)
- October 30: 'Bootstrap basics II: Representation theory and the conformal block expansion' (Thomas Bourton)
- November 6: 'The numerical bootstrap: critical exponents of the 3d Ising model' (Troy Figiel)
- November 13: Bootstrap IV, 'TBA'
- November 20: Swampland I, 'TBA'
- November 27: Swampland II, 'TBA'
- December 4: Swampland III, 'TBA'
- December 11: 'Scattering amplitudes: Basics' (Philipp Rösch)
- December 18: 'Scattering amplitudes: Trees and Recursion' (Seva Chestnov)
- January 15: 'Scattering amplitudes: Loop Technology' (Niklas Henke)
- January 22: 'Scattering amplitudes: A colorful duality' (Lorenzo Quintavalle)
- January 29: 'Scattering amplitudes: Gravitational Applications' (TBA)

Date and Place: Tue, 11:00 – 12:30, SR 2, Building 2a, Bahrenfeld

Starting on: 23 October 2018
