



ÉCOLE POLYTECHNIQUE  
FÉDÉRALE DE LAUSANNE

**INSTITUT DE PHYSIQUE IPHYS**

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# **High Energy Theoretical Physics Seminar**

**Lundi 9 october 2017 à 14h**

Salle N° 727, BSP (Cubotron)  
EPFL

**Cornelius Schmidt-Colinet**  
*(Arnold Sommerfeld Center for Theoretical Physics)*

## ***“Double Trace Interfaces”***

Abstract:

In the case where the two boundary conditions for a scalar field on  $AdS_d$  both lead to unitary CFTs on the AdS boundary, we consider the situation where both CFTs are present and separated by the corresponding renormalization group interface. We compute the scalar two-point correlation functions and the interface free energy at large  $N$  in AdS, and perform some checks on the CFT side.