



Canadian Association  
of Physicists

Association canadienne  
des physiciens et physiciennes

Contribution ID: 2271

Type: **Invited Speaker / Conférencier(ère) invité(e)**

## From the Chiral Lagrangian to the EFT on a Single M5-Brane (I)

*Wednesday 13 June 2018 14:00 (30 minutes)*

The CHY technique for computing scattering amplitudes has been used in a large variety of theories ranging from Einstein gravity to the Chiral Lagrangian. Many of these theories have in common that they are effective field theories (EFTs) of spontaneously broken symmetries. In this talk I will review recent results relating these effective field theories including the recent formula for the tree level S-matrix of the ETF on a single M5-brane obtained by Heydeman, Schwarz and Wen.

**Author:** Dr CACHAZO, Freddy (Perimeter Institute)

**Presenter:** Dr CACHAZO, Freddy (Perimeter Institute)

**Session Classification:** W3-3 Fields and Strings II (DTP) | Champs et cordes II (DPT)

**Track Classification:** Theoretical Physics / Physique théorique (DTP-DPT)