

# **String Theory as a Bridge between Gauge Theory and Quantum Gravity**

## **Report of Contributions**

Contribution ID: **105**

Type: **not specified**

## Registration

*Monday, 17 February 2025 08:45 (30 minutes)*

Contribution ID: **107**

Type: **not specified**

# Welcome

*Monday, 17 February 2025 09:15 (15 minutes)*

**Presenter:** BIANCHI, Massimo (Istituto Nazionale di Fisica Nucleare)

Contribution ID: **108**

Type: **not specified**

## Roberto Emparan

*Monday, 17 February 2025 09:30 (45 minutes)*

**Presenter:** EMPARAN GARCIA DE SALAZAR, Roberto Alejandro

Contribution ID: **109**

Type: **not specified**

## Iosif Bena

*Monday, 17 February 2025 10:15 (45 minutes)*

**Presenter:** BENA, Iosif

Contribution ID: **110**

Type: **not specified**

## Daniel Mayerson

*Monday, 17 February 2025 11:30 (45 minutes)*

**Presenter:** MAYERSON, Daniel

Contribution ID: **111**

Type: **not specified**

## Jan de Boer

*Monday, 17 February 2025 12:15 (45 minutes)*

**Presenter:** DE BOER, Jan

Contribution ID: **112**

Type: **not specified**

## Andrea Puhm

*Monday, 17 February 2025 15:00 (45 minutes)*

**Presenter:** PUHM, Andrea



Contribution ID: **113**

Type: **not specified**

## Jan Manschot

*Monday, 17 February 2025 16:30 (45 minutes)*

**Presenter:** MANSCHOT, Jan

Contribution ID: **114**

Type: **not specified**

## Giuseppe Sudano

*Monday, 17 February 2025 15:45 (45 minutes)*

**Presenter:** SUDANO, Giuseppe (Istituto Nazionale di Fisica Nucleare)

Contribution ID: **115**

Type: **not specified**

## **Non-BPS branes as holographic symmetry operators**

*Tuesday, 18 February 2025 09:00 (45 minutes)*

We propose a holographic description of the operators implementing continuous global symmetries that are dual to superstring gauge fields in terms of non-BPS D- branes, and consider some possible further extensions.

**Presenter:** RODRIGUEZ GOMEZ, Diego

Contribution ID: 116

Type: **not specified**

## Integrated correlators in a $N=2$ SYM theory with fundamental flavors

*Tuesday, 18 February 2025 09:45 (45 minutes)*

I will discuss recent developments in the study of integrated 4-point correlators of primary operators in a four-dimensional  $\mathcal{N}=2$  superconformal field theory with  $SU(N)$  gauge group and matter in the fundamental and anti-symmetric representations. Exploiting supersymmetric localization, it is possible to map the computation of these correlators to an interacting matrix model and obtain expressions that are valid for any value of the 't Hooft coupling in the large- $N$  limit of the theory. In particular, I will focus on the strong-coupling regime, showing how to extract analytically the strong-coupling expansion of the integrated correlators from these exact expressions.

**Presenter:** VALLARINO, Paolo (Università di Torino)

Contribution ID: **117**

Type: **not specified**

## **The future of Cosmic Microwave Background measurements**

*Tuesday, 18 February 2025 11:10 (45 minutes)*

**Presenter:** DE BERNARDIS, Paolo (Istituto Nazionale di Fisica Nucleare)

Contribution ID: **118**

Type: **not specified**

## Charlotte Sleight

*Tuesday, 18 February 2025 11:55 (45 minutes)*

**Presenter:** SLEIGHT, Charlotte (Istituto Nazionale di Fisica Nucleare)

Contribution ID: **119**

Type: **not specified**

## Tobias Hansen

*Tuesday, 18 February 2025 14:30 (45 minutes)*

**Presenter:** HANSEN, Tobias

Contribution ID: **120**

Type: **not specified**

## Jan Steinhoff

*Tuesday, 18 February 2025 15:15 (45 minutes)*

**Presenter:** STEINHOFF, Jan



Contribution ID: **121**

Type: **not specified**

## **Riccardo Gonzo**

*Tuesday, 18 February 2025 16:40 (45 minutes)*

**Presenter:** GONZO, Riccardo (University of Edinburgh)

Contribution ID: **122**

Type: **not specified**

## Claudio Gambino

*Tuesday, 18 February 2025 17:25 (45 minutes)*

**Presenter:** GAMBINO, Claudio (Istituto Nazionale di Fisica Nucleare)

Contribution ID: **123**

Type: **not specified**

## Elias Kiritsis

*Wednesday, 19 February 2025 09:00 (45 minutes)*

**Presenter:** KIRITSIS, Elias

Contribution ID: **124**

Type: **not specified**

## Nikolay Bobev

*Wednesday, 19 February 2025 09:45 (45 minutes)*

**Presenter:** BOBEV, Nikolay

Contribution ID: **125**

Type: **not specified**

## **Riccardo Argurio**

*Wednesday, 19 February 2025 11:10 (45 minutes)*

**Presenter:** ARGURIO, Riccardo

Contribution ID: **126**

Type: **not specified**

## Pierluigi Niro

*Wednesday, 19 February 2025 11:55 (45 minutes)*

**Presenter:** NIRO, Pierluigi

Contribution ID: **127**

Type: **not specified**

## Viviana Fafone

*Wednesday, 19 February 2025 14:10 (45 minutes)*

**Presenter:** FAFONE, Viviana (Istituto Nazionale di Fisica Nucleare)

Contribution ID: **128**

Type: **not specified**

## **Matrix-Models/Large-Charge Duality at Higher Ranks**

*Wednesday, 19 February 2025 14:55 (45 minutes)*

**Presenter:** GRASSI, Alba



Contribution ID: **129**

Type: **not specified**

## Augusto Sagnotti

*Wednesday, 19 February 2025 16:20 (45 minutes)*

**Presenter:** SAGNOTTI, Augusto (PI)

Contribution ID: **132**

Type: **not specified**

## **Closing and good-byes**

*Wednesday, 19 February 2025 17:05 (20 minutes)*