String Theory as a Bridge between Gauge Theory and Quantum Gravity

Report of Contributions

https://agenda.infn.it/e/PRIN_Strings_final

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)