

Bootstrapping Amplitudes from Weak to Strong Coupling

Report of Contributions

Contribution ID: 1

Type: **not specified**

Cluster Algebras and the Bootstrap for $N = 4$ and QCD

Monday 19 May 2025 09:30 (1 hour)

Presenter: SPRADLIN, Marcus Benjamin (Brown University (US))

Contribution ID: 2

Type: **not specified**

OPE and Wilson Loops for Form Factors in Planar $N = 4$ SYM

Monday 19 May 2025 11:00 (1 hour)

Presenter: BASSO, Benjamin

Contribution ID: 3

Type: **not specified**

Scattering on the $N = 4$ SYM Coulomb branch

Monday 19 May 2025 14:00 (30 minutes)

Presenter: ARMANINI, Elisabetta (CERN/EPFL)

Contribution ID: 4

Type: **not specified**

Amplitude Bootstrap and Antipodal (Self)Duality

Monday 19 May 2025 14:30 (30 minutes)

Presenter: DIXON, Lance

Contribution ID: 5

Type: **not specified**

The missing tetraquark: the S-matrix Bootstrap meets the real world

Tuesday 20 May 2025 09:30 (1 hour)

Presenter: GUERRIERI, Andrea Leonardo

Contribution ID: 6

Type: **not specified**

Gauge Theory Bootstrap: predicting pion dynamics from QCD

Tuesday 20 May 2025 11:00 (1 hour)

Presenter: HE, Yifei

Contribution ID: 7

Type: **not specified**

Aks unitarization using machine learning

Tuesday 20 May 2025 14:00 (30 minutes)

Presenter: TOURKINE, Piotr (CNRS, LAPTh, Annecy)

Contribution ID: 8

Type: **not specified**

Maximizing the Interaction Strength

Tuesday 20 May 2025 14:30 (30 minutes)

Presenter: CORREIA, Miguel

Contribution ID: 9

Type: **not specified**

Theorems for the modular and lightcone bootstrap

Wednesday 21 May 2025 09:30 (1 hour)

Presenter: VAN REES, Balt

Contribution ID: **10**

Type: **not specified**

QFT as a set of ODEs

Wednesday 21 May 2025 11:00 (1 hour)

Presenter: PENEDONES, João (EPFL)

Contribution ID: **11**

Type: **not specified**

Effective Field Theory Bootstrap

Wednesday 21 May 2025 14:00 (1 hour)

Presenter: ELVANG, Henriette (University of Michigan)

Contribution ID: 12

Type: **not specified**

Automating Hierarchical Constraints for Feynman Integrals

Thursday 22 May 2025 09:30 (1 hour)

Presenter: LIPPSTREU, Luke

Contribution ID: 13

Type: **not specified**

SOFIA: Singularities of Feynman Integrals Automatized

Thursday 22 May 2025 11:00 (1 hour)

Presenter: MIZERA, Sebastian

Contribution ID: 14

Type: **not specified**

The Landau Bootstrap: Progress, Challenges, and Outlook

Thursday 22 May 2025 14:00 (1 hour)

Presenters: MCLEOD, Andrew Jordan (The University of Edinburgh (GB)); HANNESDOTTIR, Hofie

Contribution ID: 16

Type: **not specified**

Huge Operators and Matrix (Toy) Models

Friday 23 May 2025 09:30 (1 hour)

Presenters: MURALI, Harish; VIEIRA, Pedro

Contribution ID: 17

Type: **not specified**

Universal Constraints for Conformal Line Defects

Friday 23 May 2025 11:00 (1 hour)

Presenter: SEVER, Amit

Contribution ID: **18**

Type: **not specified**

Resurgence for Amplitudes

Friday 23 May 2025 14:00 (1 hour)

Presenter: DUNNE, Gerald