

Workshop
Linear programming for energy and designs
Bilateral project KP-06-Austria/8-2025

11.12.2025

10.00 – 10.30 **Christoph Aistleitner**, Equidistribution and local statistics: on the interface of analysis, number theory, and probability

10.30 – 11.00 **Peter Boyvalenkov**, On optimal T-avoiding spherical codes and designs in $\mathbb{R}^{32}$

11.00 – 11.30 Coffee break

11.30 – 12.00 **Johann Brauchart**, Discrepancy of constructed point sets and Energy bounds improvements

12.00-12.30 **Danila Cherkashin**, Linear programming inside Johnson scheme

12.30 – 14.00 Lunch break

14.00 – 14.30 **Peter Grabner**, Hyperuniformity and energy on projective spaces

14.30 – 15.00 **Maryna Manskova**, Hadamard gaps, prime gaps and correlation structures

15.00 – 15.30 Coffee break

15.30 – 16.00 **Maya Stoyanova**, Universal bounds on energy and polarization of weighted spherical codes and designs

16.00 – 16.45 **Peter Dragnev**, Universal polar dual pairs in E_8 and Λ_{24}