



INVITATION

as part of the Mathematical Physics Theory Seminar

to the talk by

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on

“L-functions and the conformal bootstrap”

Abstract:

Recently, a close parallel emerged between conformal field theory in general dimension and the theory of automorphic forms.

I will review this connection and explain how it can be leveraged to make rigorous progress on central open problems of number theory, using methods from the conformal bootstrap. In particular, I will use the crossing equation to prove new subconvex bounds on L-functions.

Time: Tuesday, 7 October 2025, 2:00 p.m.

Location: Erwin-Schrödinger Lecture Hall, 1090 Vienna, Boltzmannngasse 5, 5th floor