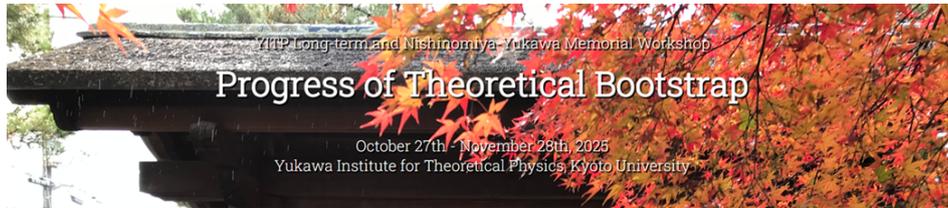


## Progress of Theoretical Bootstrap



Contribution ID: 165

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# Yuto Moriwaki "2d Conformal bootstrap equation and axiomatic QFT"

*Tuesday, November 11, 2025 2:00 PM (1 hour)*

Axiomatic quantum field theory is a mathematically rigorous formulation of quantum field theory proposed in the 1950s.

Notable frameworks include the Wightman axioms for quantum fields on Minkowski spacetime and the Osterwalder-Schrader axioms, formulated via Schwinger functions on Euclidean spacetime.

In this talk, based on joint work with M. S. Adamo and Y. Tanimoto, we will discuss how, in two dimensions, one can construct an axiomatic QFT from the bootstrap equations under the assumption that the theory enjoys a sufficiently large chiral symmetry.