

Abstract Submitted
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Time-reversal symmetric hierarchy of fractional incompressible liquids LUIZ SANTOS, Harvard University, TITUS NEUPERT, Paul Scherrer Institute, SHINSEI RYU, University of Illinois at Urbana-Champaign, CLAUDIO CHAMON, Boston University, CHRISTOPHER MUDRY, Paul Scherrer Institute — In this talk I shall establish a hierarchical construction for a class of BF theories and present it as a candidate topological field theory to describe fractional topological insulators in 2D. The structure of the K matrix and the universal properties that it describes will be discussed, and the properties of the time-reversal symmetric edge theory will be derived via the bulk-edge correspondence.

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