

## **Duality in equivariant elliptic cohomology**

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In this talk, I will discuss recent joint work motivated by the search for a homotopy-theoretic analogue of categorical symmetry. I will present a joint work with David Gepner, on duality results in equivariant elliptic cohomology that admit a natural interpretation in terms of categorical symmetry, and explain how they fit into the broader program of relating the structural aspects of quantum field theory and stable homotopy theory.