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(balsam@math.sunysb.edu). *Turaev-Viro Invariants as an Extended TQFT*. Preliminary report.

In this talk, we will describe an extension of Turaev-Viro invariants, defined for an arbitrary spherical fusion category \mathcal{C} , to 3-manifolds with corners. We will show that this gives an extended (3-2-1) TQFT which coincides with the Reshetikhin-Turaev TQFT associated to $\mathcal{Z}(\mathcal{C})$, the Drinfeld center of \mathcal{C} . This is joint work with Sasha Kirillov. (Received February 16, 2010)