1145-I1-229 **Biji Wong*** (biji.wong@cirget.ca), Office PK-5211, President Kennedy Pavilion, 201 President Kennedy Avenue, Montreal, Quebec H2X 3Y7, Canada. *A Floer homology invariant for* 3*-orbifolds via bordered Floer theory.*

Using bordered Floer theory, we construct an invariant $\widehat{HF}^{\mathrm{orb}}(Y^{\mathrm{orb}})$ for 3-orbifolds $Y^{\mathrm{orb}}$ with singular set a knot that generalizes the hat flavor $\widehat{HF}(Y)$ of Heegaard Floer homology for closed 3-manifolds $Y$. We show that for a large class of 3-orbifolds $\widehat{HF}^{\mathrm{orb}}$ behaves like $\widehat{HF}$ in that $\widehat{HF}^{\mathrm{orb}}$, together with a relative $\mathbb{Z}_2$-grading, categorifies the order of $H_1^{\mathrm{orb}}$. When $Y^{\mathrm{orb}}$ arises as Dehn surgery on an integer-framed knot in $S^3$, we use the $\{-1,0,1\}$-valued knot invariant $\varepsilon$ to determine the relationship between $\widehat{HF}^{\mathrm{orb}}(Y^{\mathrm{orb}})$ and $\widehat{HF}(Y)$ of the 3-manifold $Y$ underlying $Y^{\mathrm{orb}}$. (Received August 22, 2018)