HECKE ALGEBRA CORRESPONDENCES FOR THE METAPLECTIC GROUP

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ABSTRACT. Over a $p$-adic field with odd residual characteristic, Gan and Savin proved a correspondence between the Bernstein components of the even/odd Weil representation and the components of the trivial representation of split/nonsplit adjoint orthogonal groups of equal rank. In joint work with Savin and then with Takeda, this result has been extended to include finite extensions of $\mathbb{Q}_2$. 