1173-60-134 **Kei Kobayashi*** (kkobayashi5@fordham.edu), 113 West 60th Street, New York, NY 10023, and **Hyunchul Park**. *Spectral heat content for time-changed killed Brownian motions.*

The spectral heat content is investigated for time-changed killed Brownian motions, where the time change is given by either a subordinator or an inverse subordinator, with the underlying Laplace exponent being regularly varying at infinity. In the case of subordinators, depending on whether the index of regular variation is greater than $1/2$, equal to $1/2$, or less than $1/2$, the small-time asymptotic behavior of the spectral heat content changes substantially. In contrast, when the time change is given by an inverse subordinator, we obtain a single statement that is valid for all values of the index. (Received September 19, 2021)