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Yusuf Danisman* (danisman@math.ohio-state.edu), 231 West 18th Avenue, Columbus, OH 43210. *L factors for the p -adic Group $GSp(4)$.*

In this talk, we will compute L-factors for nongeneric supercuspidal representations of $GSp(4, k)$ which has Bessel model and k is a nonarchimedean local field of characteristic not equal to 2. As a definition of L-factors, Piatetski-Shapiro's construction, which is based on Bessel models, will be used. After finding the Bessel models by using theta liftings, first of all we will compute γ -factors and then by using them L-factors will be computed. (Received March 30, 2010)