1125-20-2163   **Pramod N. Achar*** (`pramod@math.lsu.edu`), **Shotaro Makisumi**, **Simon Riche** and **Geordie Williamson**. *Modular Koszul duality for Kac–Moody groups, part II.*

This talk is a sequel to Shotaro Makisumi's talk (but I will try to make it self-contained). I will introduce the monoidal category of "free-monodromic tilting sheaves" on a Kac–Moody flag variety. The main result is that this category is equivalent to the monoidal category of parity sheaves on the Langlands dual Kac–Moody flag variety. This result implies the Riche–Williamson conjecture on characters of tilting modules of reductive groups. This is joint work with Shotaro Makisumi, Simon Riche, and Geordie Williamson. (Received September 19, 2016)