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**Nur Saglam\***, kadriye@ucr.edu, and **Anar Akhmedov**. *Constructions of Lefschetz fibrations using cyclic group actions.*

We construct families of Lefschetz fibrations over  $\mathbb{S}^2$  using finite order cyclic group actions. In some cases, we also obtain more families of Lefschetz fibrations by applying rational blow-down operation. This is a joint work with Anar Akhmedov. (Received September 18, 2018)