1125-57-1557   **Anar Akhmedov** and **Nur Saglam*** (`sagla004@umn.edu`). *Constructions of new Lefschetz fibrations using cyclic group actions.* Preliminary report.

Using the cyclic group actions, we construct the families of Lefschetz fibrations over $\mathbb{S}^2$. We also obtain more families of Lefschetz fibrations gluing these examples. If time permits, we will also talk about some applications of these Lefschetz fibrations. This is a joint work with Anar Akhmedov (Received September 18, 2016)