1172-42-158        **Taryn C Flock*** (`tflock@macalester.edu`) and **Betsy Stovall**. *Fourier restriction to the sphere is extremizable more often than not.* Preliminary report.

We'll discuss the existence of extremizers for the spherical restriction problem. In particular, we'll see that the $L^p \to L^q$ Fourier extension inequality associated to the d-sphere possesses extremizers whenever $p < q < (d+2)p'/d$. This is joint work with Betsy Stovall. (Received August 24, 2021)