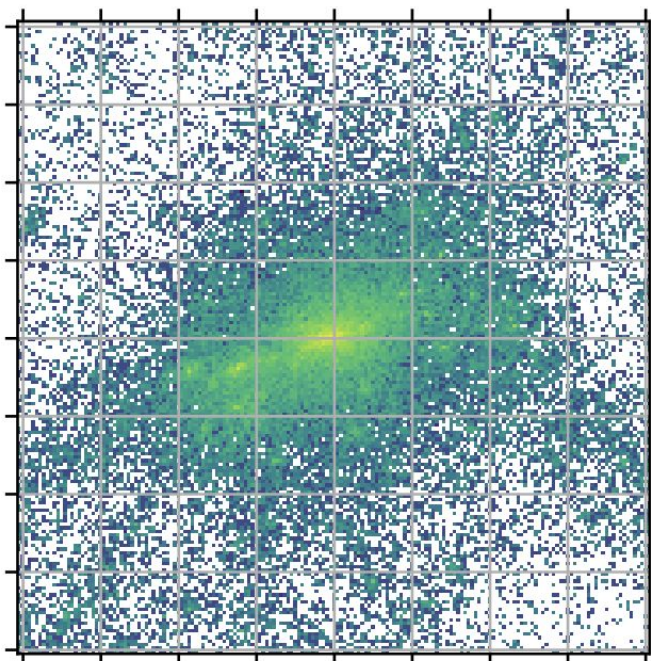
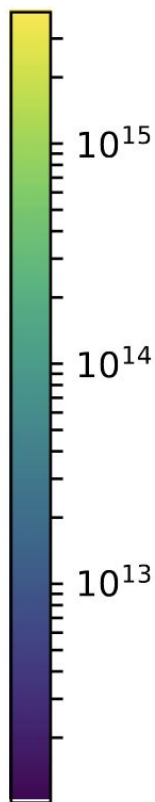


Topic 1: Modeling the anisotropy in cluster weak lensing maps

Surface mass density



Grandis+21

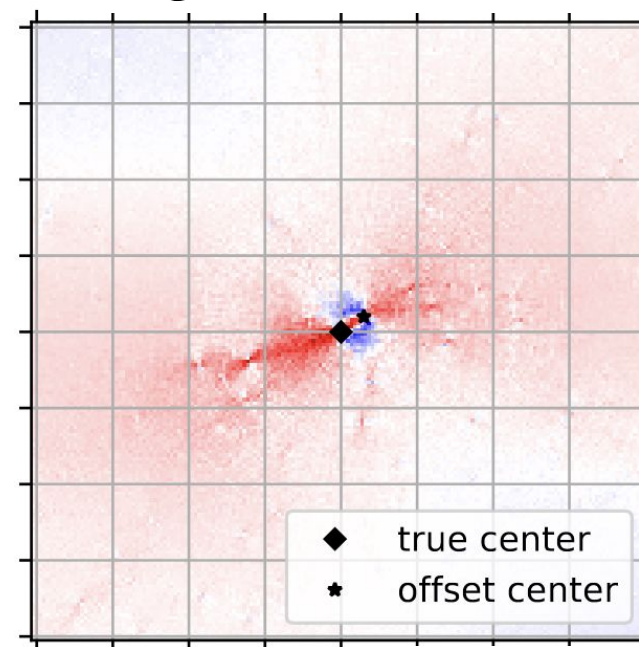


Tangential shear profiles around clusters are used to understand the **mass scale** of cluster samples. **Anisotropic information** helps to understand secondary effects like **mis-centering and ellipticity**.

In this project you will further develop methods to **extract information about the anisotropy of cluster weak lensing signals** and estimate if the resulting signal can be measured in real data.

Requirements: some python experience, solid knowledge of analysis, astrophysics welcome

Tangential distortion



Grandis+21

