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## Mysteries under a strong lens

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Extracting cosmological information from observables is a daunting task. In particular, the peculiar velocity of the observer affects a large set of observables, including redshift, time intervals and angles. In the first part of my talk, I will briefly discuss two important tensions that appeared between early and late Universe probes, which are the Hubble tension and the cosmic dipole tension, the latter of which can be translated into an observer's peculiar velocity tension. In the second part, I will describe the effect of peculiar velocities on the determination of the Hubble constant from strongly lensed quasars, which is somewhat at the interplay of both stories.

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