Cosmology with LIGO/Virgo dark sirens and galaxy catalogs

Francesco lacovelli

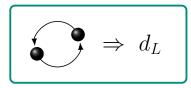
Based on 2101.12660, in collaboration with: Andreas Finke, Stefano Foffa, Michele Maggiore, Michele Mancarella

University of Geneva (UNIGE)

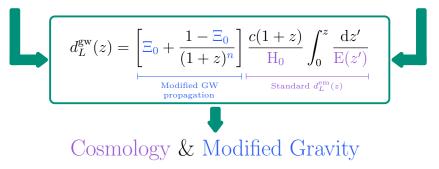
First EuCAPT Annual Symposium - 2021

GWs and Cosmology

GWs and Cosmology: general idea

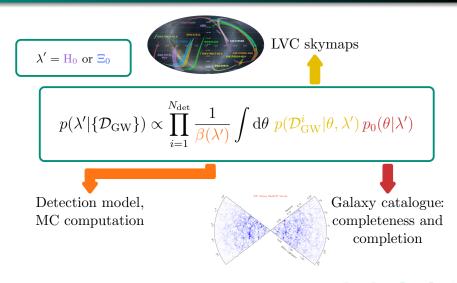


Complementary information on z



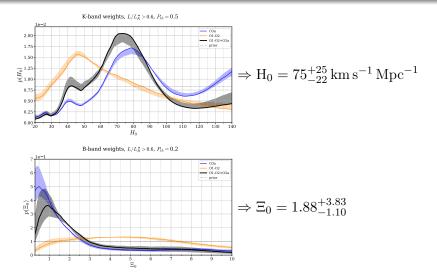
Developed methodology

Methodology: hierarchical Bayesian framework



Results for ${\rm H}_0$ and Ξ_0

Results: estimation of H_0 and Ξ_0



- 4 同 6 4 日 6 4 日 6

Thanks for your attention

For any question or comment, contact me at Francesco.lacovelli@unige.ch or through Mattermost

Francesco lacovelli Contact: Francesco.lacovelli@unige.ch