

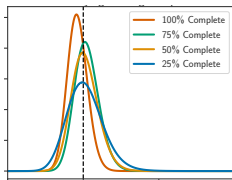
Towards precision H_0

Archisman Ghosh
Nikhef, Amsterdam

PAX-VI, Cascina
2019 May 27



Schutz galaxy catalog / “ H_0 -statistical”: results on simulations

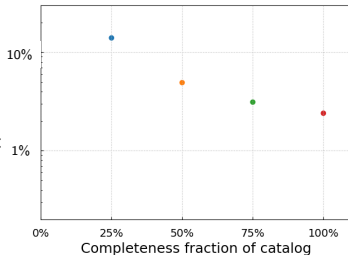
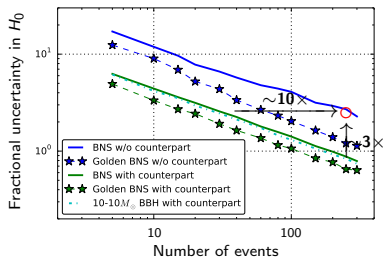


Statistical: incomplete galaxy catalogue

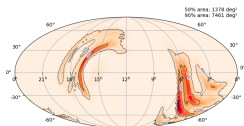
Account for galaxies absent in catalogue

Chen *et al.* (2018): counterpart & statistical

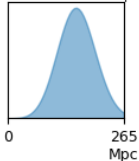
Gray *et al.* (in prep.) using gwcs codebase



Cosmology Working Group: Ajith, Brady, Chen, Dattier, Del Pozzo, **Fishbach**, Gair, Ghosh, **Gray**, Hendry, Holz, **Magaña-Hernandez**, Messenger, Qi, Samajdar, **Sur**, Van Den Broeck, Veitch, . . .

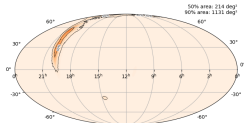


distance: 156±41 Mpc

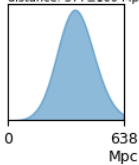


45,033 galaxies

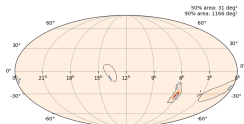
238,958 galaxies



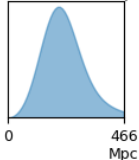
distance: 377±100 Mpc



13,960 galaxies



distance: 227±92 Mpc



17,197 galaxies

