

# Supplemental Material: Cosmological Implications of the GWTC-3 Modified-Propagation Anomaly

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## S1. REBASED TRANSFER-BIAS CALIBRATION SCAN

Figure S1 reports the rebased relief sensitivity to high- $z$  transfer bias for constrained and pilot sweeps. This diagnostic underpins the calibrated constrained posterior quoted in the main text.

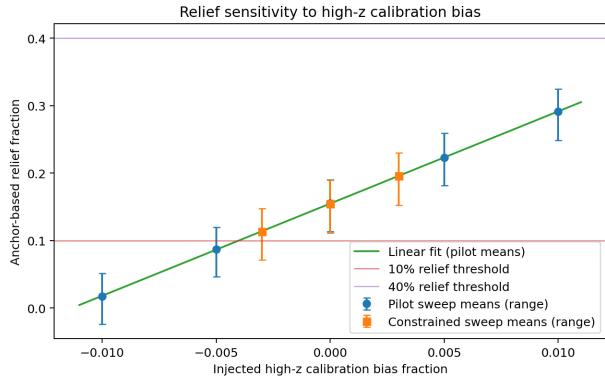


FIG. 1. Rebased relief sensitivity to high- $z$  transfer bias from constrained and pilot sweeps. The calibrated constrained posterior is centered at  $\mathcal{R}_{\text{anchor}}^{\text{GR}} \approx 0.15$ .