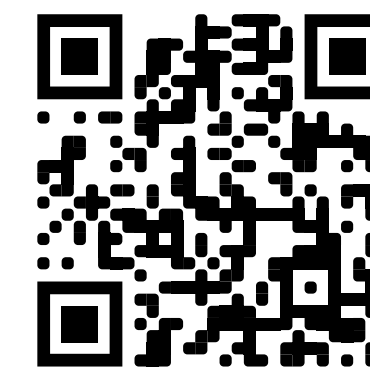




Lorenzo Sala



Ph.D. Student @ University of Trento
Member of the LISA Consortium / Data Processing WG
lorenzo.sala@unitn.it / lisa.physics.unitn.it



I am a Ph.D. student working in Trento, in the UTN LISA group.
My research focuses on the experimental side of GW detection from space.

My business is the noise estimation and characterization
of the LISA Pathfinder (LPF) Mission, precursor of the LISA Mission.
LISA will inherit many of the technologies onboard LPF.

I am currently working on the breakdown of effects contributing
to the sub-pN force noise of LISA Pathfinder, down to $20\mu\text{Hz}$.

sub-pN Forces Bayesian estimation

LISA Pathfinder Noise statistics

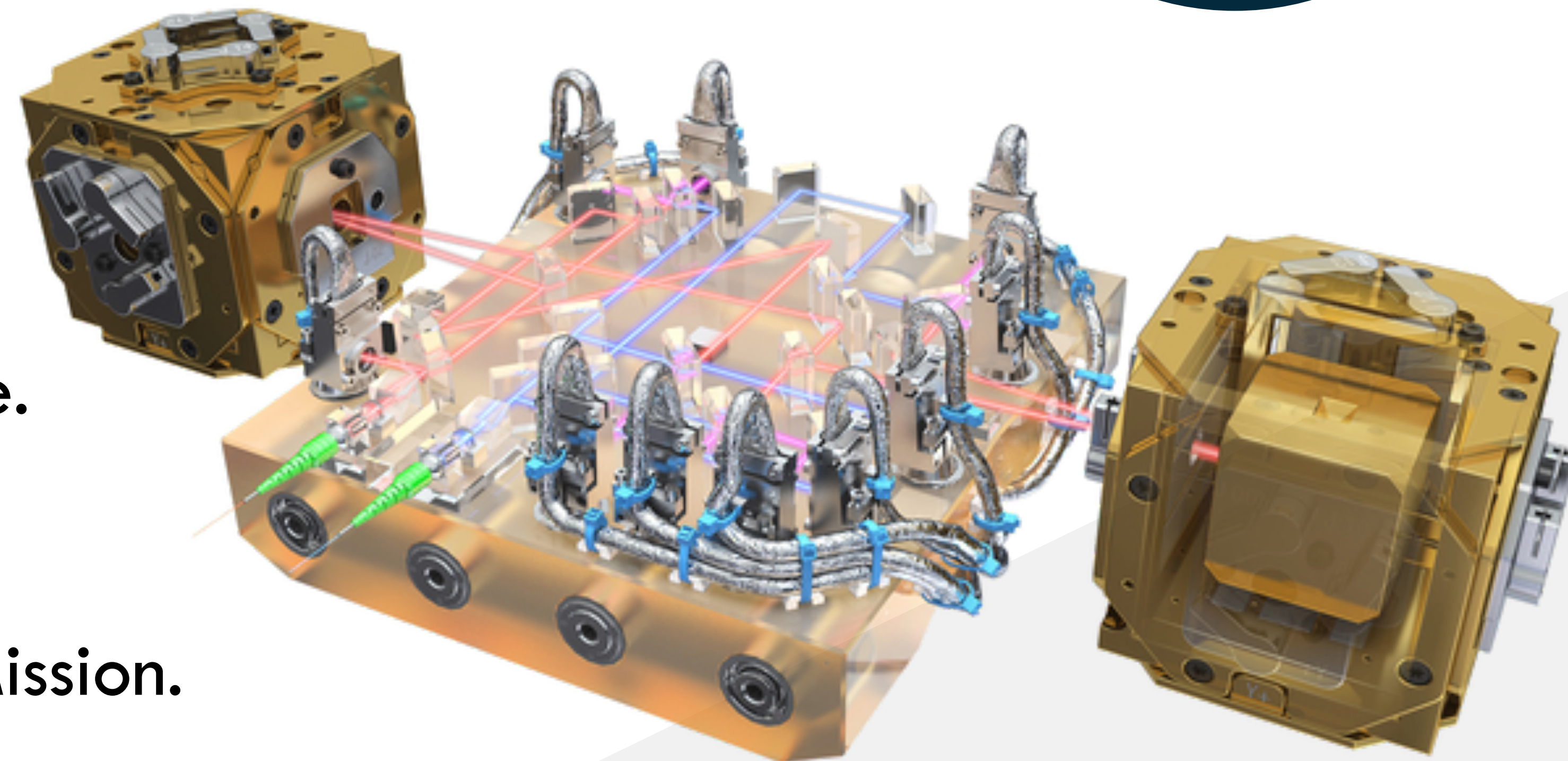
LISA Mission **Keywords** LPF glitches

Experimental Gravitation Power Spectral Density

MCMC methods

Noise characterization Gravitational Reference

Space-Based GW observation



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