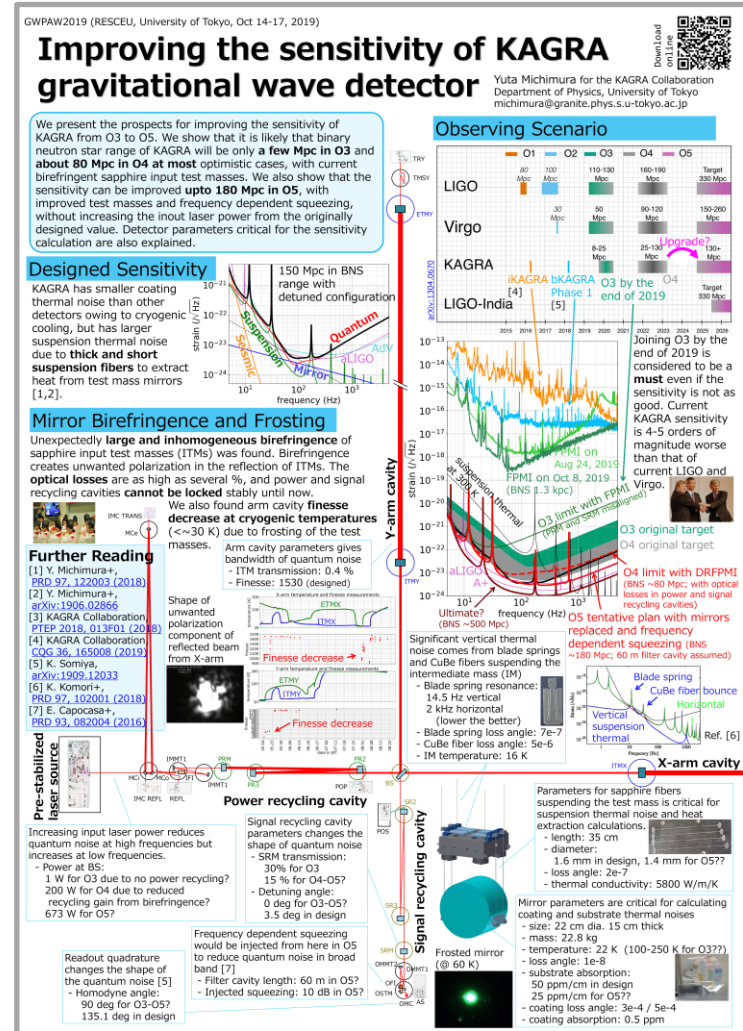


# Most updated estimate for KAGRA sensitivity in O3 - O5

Yuta Michimura

- Birefringence in sapphire mirrors found
- Now ~ 1 kpc
- O3b a few Mpc at max
- O4 ~80 Mpc at max
- Improved mirrors, squeezing
- O5 ~180 Mpc
- 200 kg mirrors, squeezing etc.
- Ultimately 500 Mpc ?



Let's discuss what can we do with this !