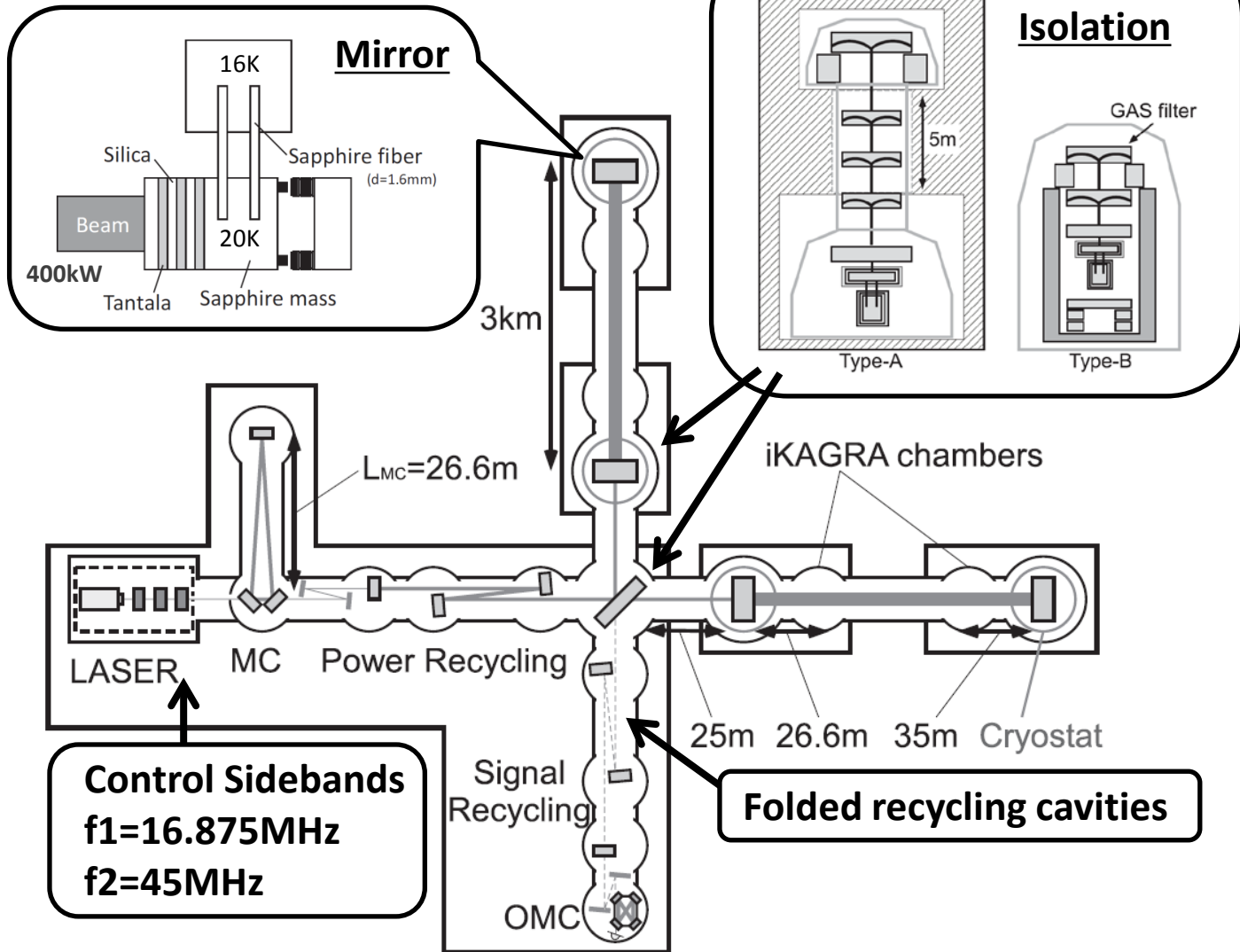
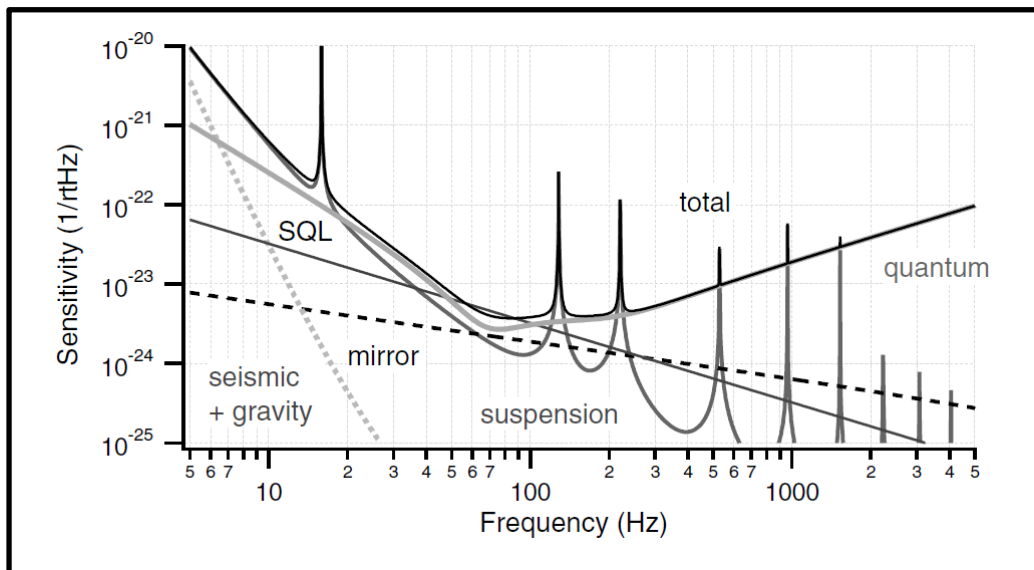


# KAGRA's configuration



# KAGRA's sensitivity



# Questions

Q1. How are **SR** and **RSE** different?

A1. \_\_\_\_\_

Q2. How are the mirror locations determined?

A2. \_\_\_\_\_

Q3. Why do we need the **folding recycling cavities**?

A3. \_\_\_\_\_

Q4. Why do we use **Sapphire**?

A4. \_\_\_\_\_

Q5. What is the **mechanical loss**?

A5. \_\_\_\_\_

Q6. What is the optical loss?

A6. \_\_\_\_\_

Q7. Why do we need such a big seismic isolation system?

A7. \_\_\_\_\_

Q8. What is a benefit to build a detector in **underground**?

A8. \_\_\_\_\_

Q9. What is the difference between **KAGRA** and **aLIGO**?

A9. \_\_\_\_\_

# Keywords

*SR/RSE, detune, I-phase/Q-phase,  
Schnupp asymmetry, Gouy phase,  
g-factor, thermal conductivity, dissipation,  
dilution, mechanical loss, optical loss*