

Element development by previous researches

- Low Temperature Monolithic Interferometer
- Low temperature torsion pendulum
- Low temperature suspension wire
- Active vibration isolation system



This work

Completion of optical and suspension system
(specification for low temperatures)



Target sensitivity of Phase-III TOBA

- Silicon test masses
- Cooling of optical and suspension system
- Improvement of suspension wires
- Introduction of active vibration isolation



Target sensitivity of Final TOBA

Increasing in size