

		Phase-III TOBA		
		Cryogenic torsion pendulum (2019)	This work	Target
Optical system	Optical lever	✓	✓	✓
	Differential Fabry-Pérot cavity	None	✓	✓
Suspension system	Test mass	Copper	Aluminum (silicon specification design)	Silicon
	Suspension wire	Copper beryllium (Q factor $10^3$ )	Copper beryllium (Q factor $10^3$ )	Silicon (Q factor $10^8$ )
	Optical bench	Suspended by different chain than TM	Suspended by same chain as TM	Suspended by same chain as TM
	Damping magnets	Fixed	Suspended	Suspended
	Passive vertical vibration isolation	None	✓ (GAS filter)	✓
Cryogenic system		✓ (6K)	None	✓ (4 K)
Active vibration isolation		None	None	✓