

# Overview of the TAMA300

## Individual Research



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### **Vibration Isolation**

**R. Takahashi**

Thermal actuator, Dynamic damper

### **Optics(Mirror)**

**T. Tomaru**

FFT analysis, Recycling mirror

### **Control(Recycling)**

**K. Arai**

Demodulating at the third-harmonic frequency  
of phase modulation

### **Thermal Noise**

**(Tomorrow)**

Estimation, Measurement, Cryogenic mirror

### **Application(Geophysics)**

**A. Araya**

Absolute length measurement, Ground strain