

## R&D for LCGT-SAS

### Inverted pendulum

- \*Behavior in Kamioka
- Cabling effects to Q

### Sensor

- \*Evaluation of commercial geophones
- Development of interferometric position sensors
- Development of vertical accelerometers

### Control

- \*VIRGO like global control
- \*Feed-forward control
- Tilt control

### Prototype test

- Remodeling of SAS in Hongo ?
- New products ?

\*On going now/soon.