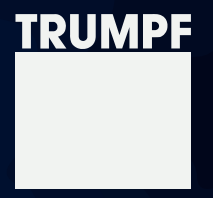


In-orbit demonstration of quantum-based gyroscope technology



Partner



Quantum-based gyroscope for space navigation

Nuclear magnetic resonance (**NMR**) is a promising technology for future high-precision gyroscopes. Such quantum-based gyroscopes (**QYROs**) have the potential to be a middle-ground between the small form-factor of MEMS and the performance of fiber-optics gyroscopes, making them extremely attractive for an application on small-to-medium space platforms. The **QYRO** mission will host other reference navigation units for an in-depth validation of its performance in space.



Website QYRO:

<https://www.quantentechnologien.de/forschung/foerderung/leuchtturmprojekte-der-quantenbasierten-messtechnik/qyro.html>

