

GINGERino and the GINGER Project

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GINGER (Gyroscopes IN General Relativity) is a proposal aiming at measuring the Lense-Thirring effect with an experiment based on Earth. It is an array of ring lasers, which are the most sensitive inertial sensors to measure the rotation rate of the Earth. GINGERino is a ring laser prototype installed inside the underground laboratory of Gran Sasso, it is aiming at understand whether the Gran Sasso laboratory would be a good location for GINGER. We describe the preliminary actions and measurements already under way and present the full road map to GINGER. The prototypes GP2 and GINGERino are described and the preliminary results reported.

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