24th Australian Institute of Physics Congress



Contribution ID: 494

Type: Talk (preferred)

A 10 W narrow-linewidth thulium fibre master oscillator power amplifier

Monday 12 December 2022 16:45 (15 minutes)

We describe the development of ultra-stable single-frequency 10W thulium fibre master oscillator power amplifiers at wavelengths between 1900nm and 2050nm, for gravitational wave detection. Environmental isolation and minimal wavelength drift is achieved using a two-stage temperature-controlled mount.

Author: Ms BOLINGBROKE, Georgia (University of Adelaide)

Presenter: Ms BOLINGBROKE, Georgia (University of Adelaide)

Session Classification: 7th International Workshop on Speciality Optical Fibres

Track Classification: WSOF: WSOF: Fibre lasers