## 24th Australian Institute of Physics Congress



Contribution ID: 778 Type: Invited talk

## Volumetric integration of nanodiamonds in optical fiber cores

Tuesday 13 December 2022 16:00 (30 minutes)

Optical fibers with NV(-) nanodiamonds embedded along the core are reported. Magnetic field sensing is validated along with nanodiamond concentration scaling and NV(-) fluorescence coupling to the guided modes.

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