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A testing facility for AO on-sky demonstrations at the Copernico's Telescope

In the context of ADONI, we are arranging for a facility, accessible to the AO community, in which visiting multi-purpose instrumentation, e.g. systems and prototypes of innovative AO concepts, may be directly tested on sky. Located at the 182cm Copernico telescope in Asiago, the facility hosts a laboratory at the Coude' focus where specialized visiting AO instrumentation may be properly accommodated on an optical bench for on-sky demonstrations. We present the current status of the project, describing the opto-mechanical design implemented at the telescope that allows to redirect the light toward the Coudé focus, the tests on the opto-mechanics and the integration within the preexisting structure.

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