

Going deep and precise - the MIDI+FSU experiment - lessons learnt

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Abstract. A status review is given on the performance of the $10\mu\text{m}$ VLTI/MIDI instrument, if supported by external fringe tracking. Highlights are a sensitivity improvement in the science band by about 5x down to 50mJy and similar gains in the precision of the differential phase estimator. It is also being discussed how our data scrutinize the infrastructural capability of the VLTI to do sensitive phase-referenced imaging with the upcoming second generation of beam-combiners, using light of four telescopes at a time.

The material presented at the conference has recently been published and the author proposes to the reader the references below.

References

- Müller, A.; Pott, J.-U. et al. 2010, in Optical and Infrared Interferometry II. Edited by Danchi, William C.; Delplancke, Françoise; Rajagopal, Jayadev K.. Proceedings of the SPIE, Volume 7734, article id. 773420, 15 pp.
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