



# A review of high-contrast imaging modes for METIS

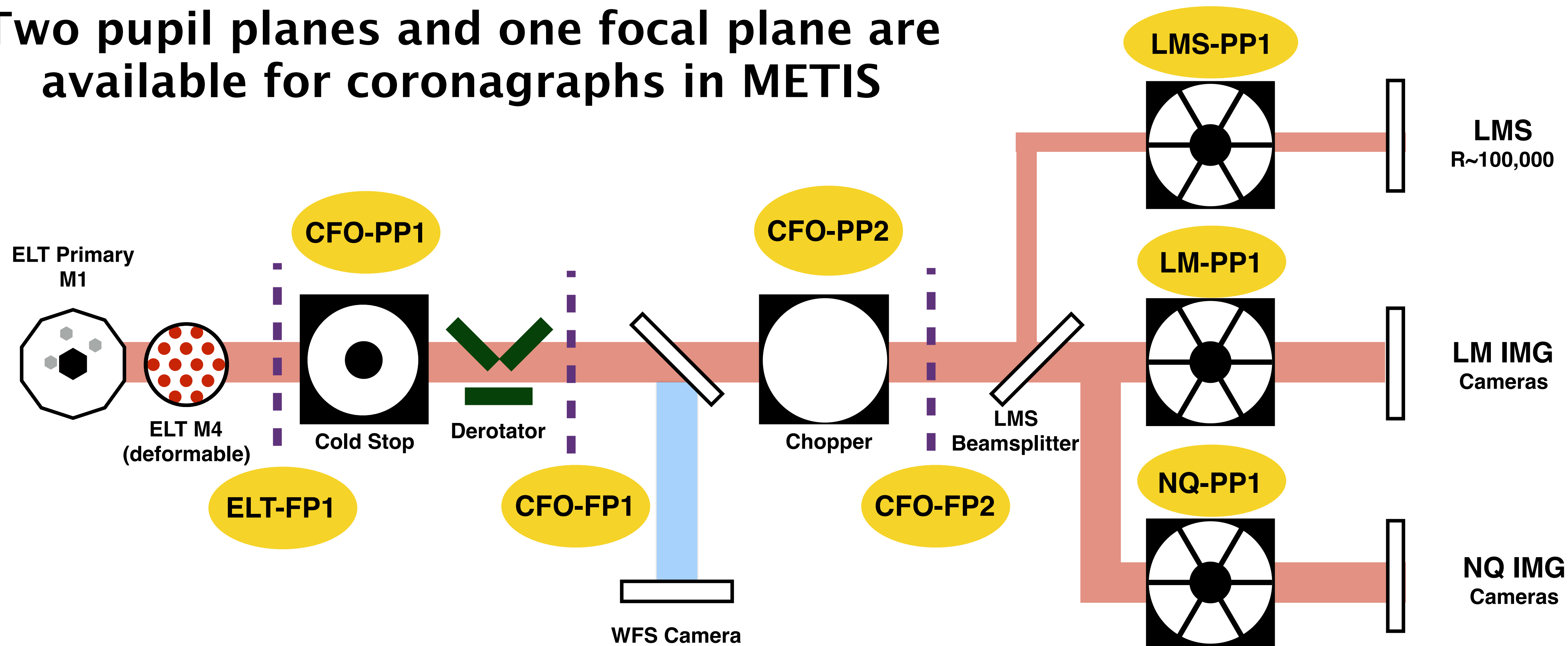
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Emiel H. Por<sup>1</sup>, David Doelman<sup>1</sup>, Frans Snik<sup>1</sup>, Bernhard Brandl<sup>1</sup>

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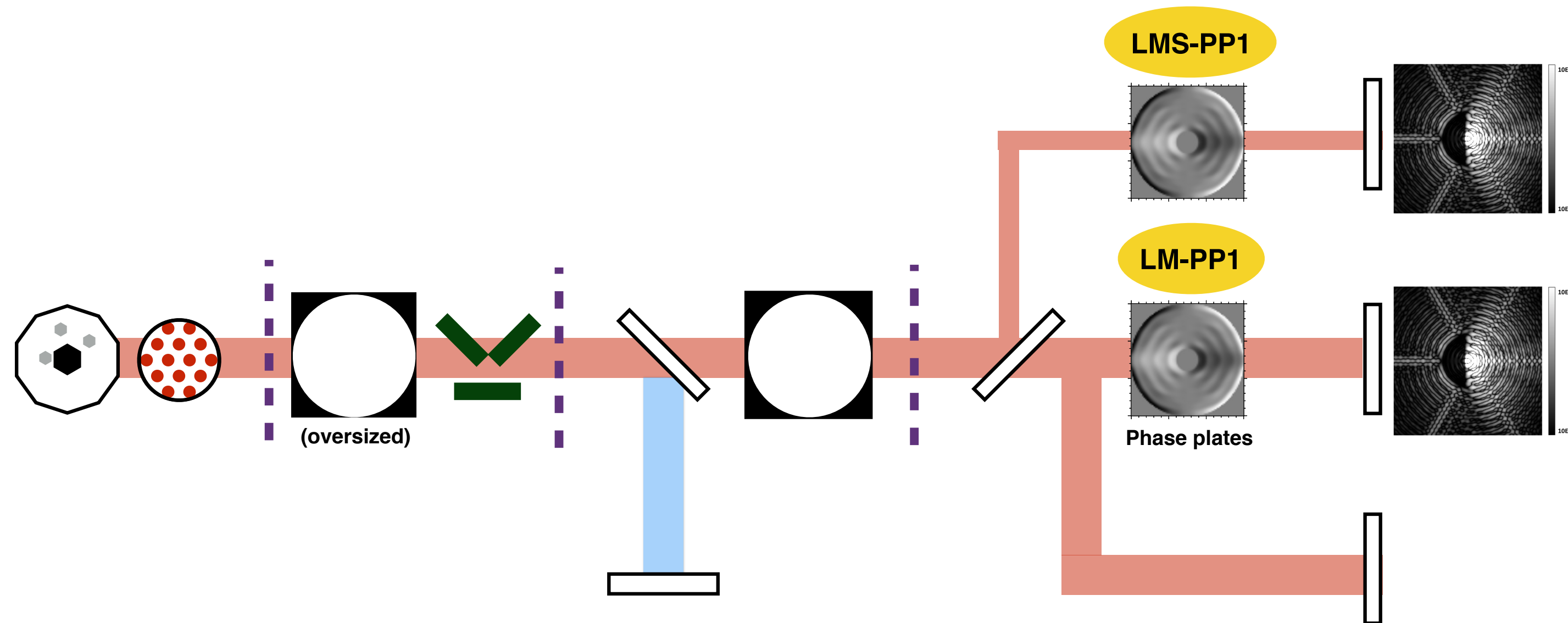
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Two pupil planes and one focal plane are available for coronagraphs in METIS



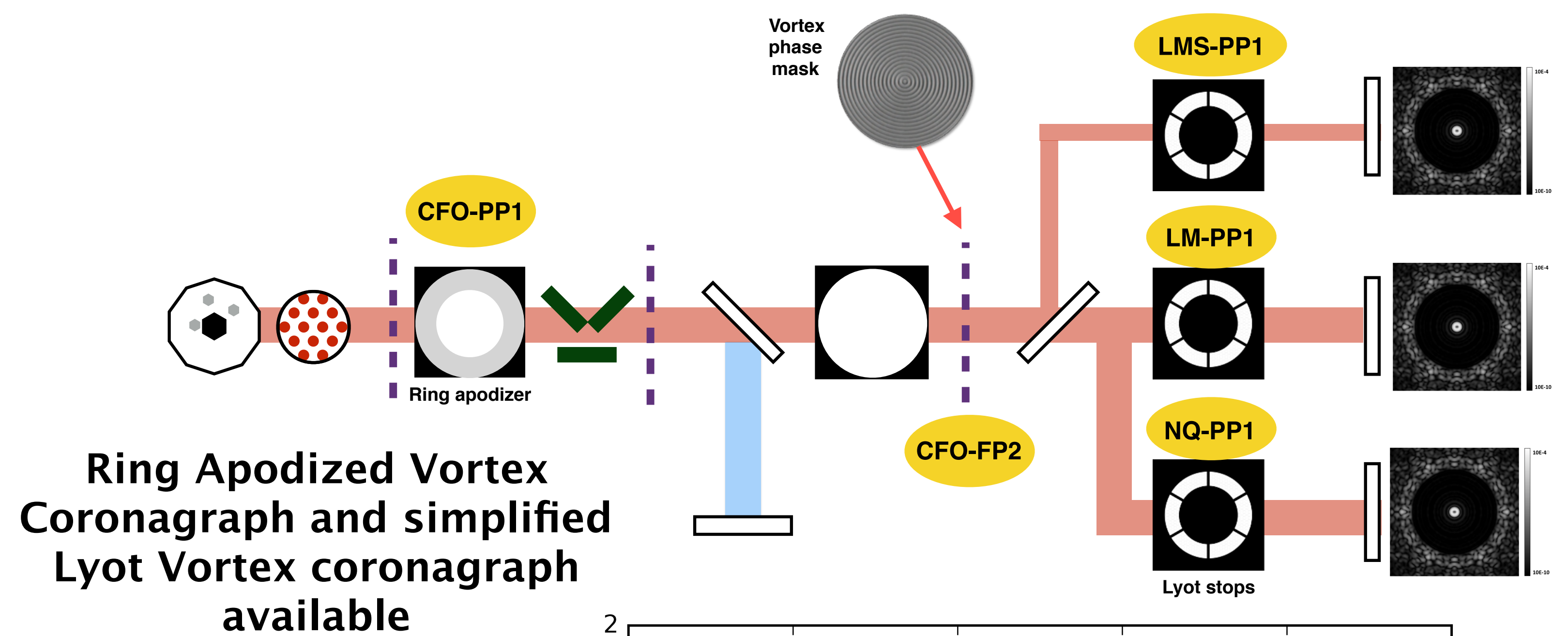
## grating vector APP coronagraphs

Available for L/M band imaging and LM band Integral Field Unit



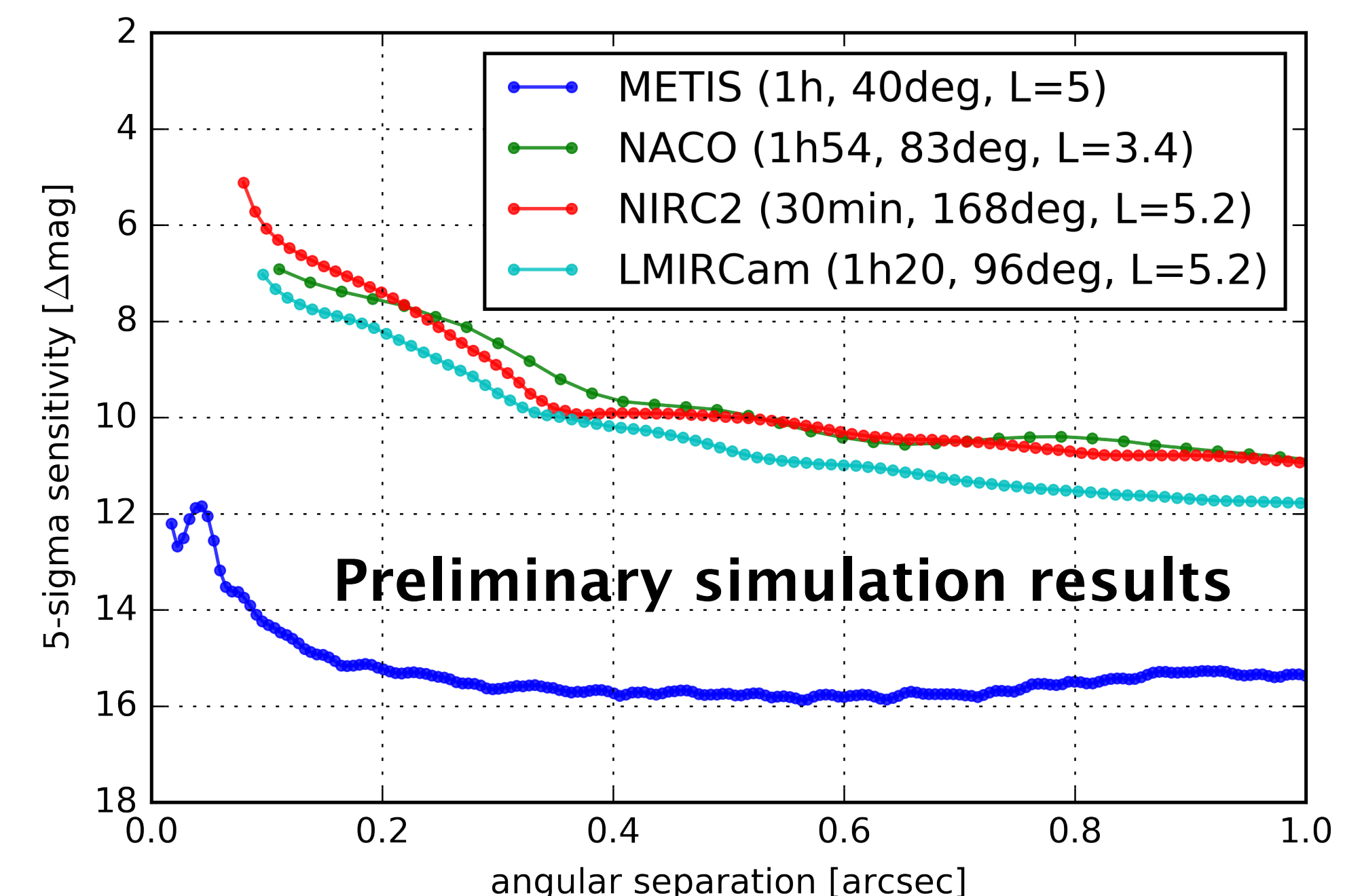
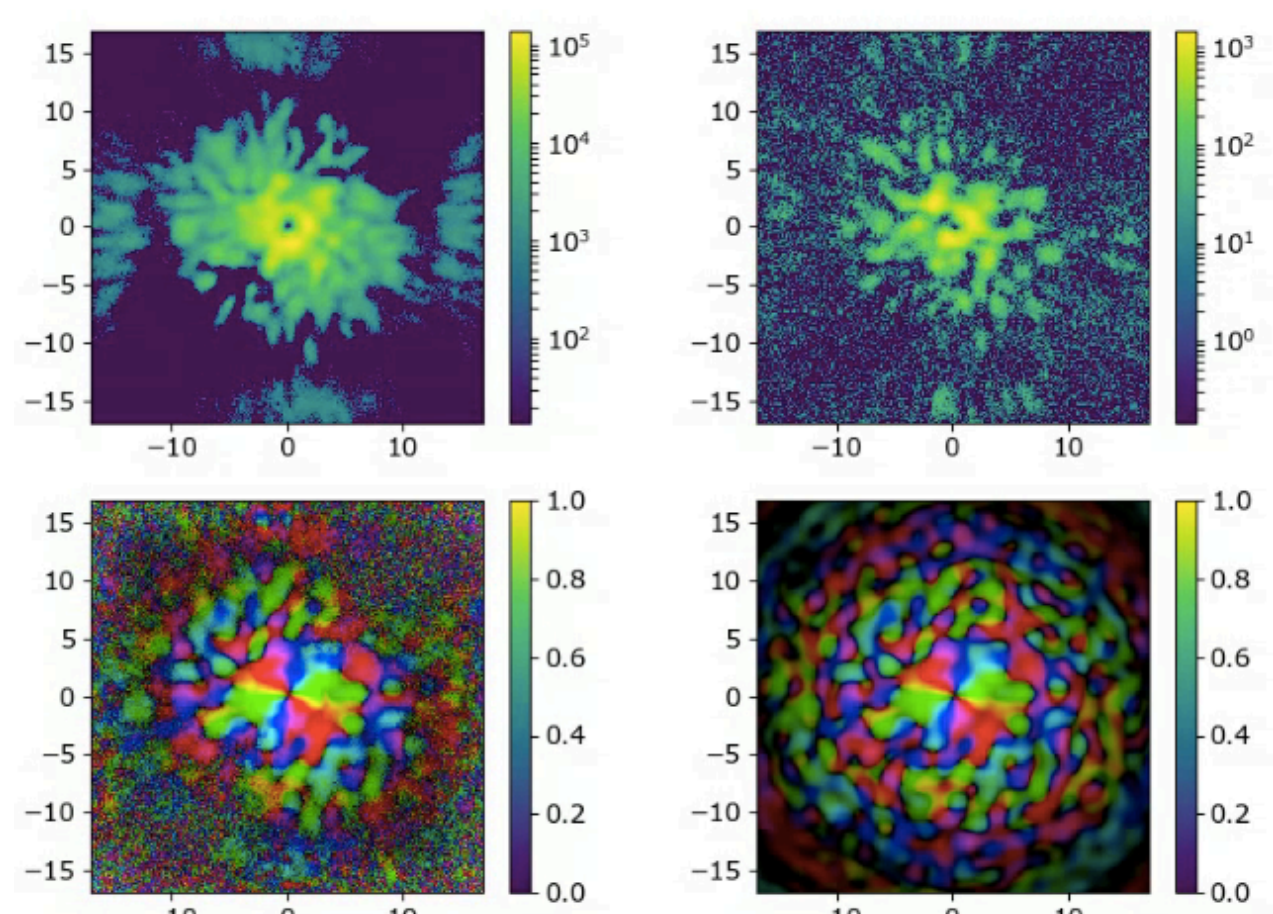
## Vortex coronagraphs

Available for L,M and N band imaging and LM band Integral Field Unit



## Focal Plane Wavefront Sensing

Using telemetry from the WFS Camera and the science camera to characterise speckles with algorithms including PSI (Codona and Kenworthy 2013; Emiel Por this conference) QACITS for Vortex operation



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