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Planets around higher-mass stars?

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For our understanding of the origin and history of our own solar system it is essential to study other systems in various stages of their evolution. In order to find out how frequent and typical our Solar System is compared to other systems, we use direct imaging with adaptive optics (AO) and large telescopes to detect (sub)stellar objects around (i) young solar-analog stars, and (ii) young higher-mass stars. In combination with high resolution spectra and model atmospheres we can determine their physical parameters. We study whether stars of any mass can have planets – here we present first results on young stars with higher masses. This can help us to improve our understanding of the formation of our own Solar System.

For our project we present a poster, to give an overview on the current status and the methodology of the data-analysis, as well as some first preliminary results for our search for (sub)stellar objects around higher-mass stars.

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