Propositions accompanying this thesis

Protostellar jets and planet-forming disks: witnessing the formation of Solar System analogues with interferometry

- 1. Free-free emission from protostars originates primarily from jets and is well correlated with the bolometric luminosities and outflow forces of these systems. (*Chapter 2*)
- 2. Young protostellar disks are more massive than mature disks by an order of magnitude. (*Chapter 2*)
- 3. Planet formation must begin within the first \sim 0.1 Myr after protostellar collapse starts. (*Chapter 3*)
- 4. Extremely high-velocity molecular jets are ubiquitous in young protostellar systems. *(Chapter 4)*
- 5. Molecular tracers observed with interferometers are a powerful tool to discern the physical components of astrophysical systems, on local and extragalactic scales.
- Intersections of different sub-fields of astronomy are where most of new discoveries await.
- 7. A response to raised doubt in scientific arguments should be a discussion, not mockery.
- 8. Virtual conferences increase accessibility and transparency of discussions and should not be completely withdrawn when regular in-person meetings will be possible again.
- 9. Any ability is not solely inherited but also has to be trained. (Star Wars: Episode VIII)
- Work in services (such as restaurants and shops) is an extremely useful experience for a scientist.
- 11. Increased awareness of mental health during the pandemic should not be abandoned after this crisis is over.
- 12. The climate crisis needs coordinated response at the same level as the current pandemic.