We end this discussion of the groups of collaborators by noting again that our analysis is restricted to the researchers who are co-authors in at least 5 of the HH 1/2 papers. Individual authors (collaborating with the more active researchers) or even independent research groups with lower levels of activity in this field do not appear in our analysis.

## 10. SUMMARY

We have collected all the papers through 2010 that have made a substantial contribution to the study of the Herbig-Haro objects HH 1 and 2, and made a commented bibliography[7] with short comments on all papers. This excercise is meant to serve as a guide to researchers who plan future work on these objects.

The choice of the papers in this bibliography is of course somewhat subjective, because some important papers might have been missed, and also because many papers (treating, e.g., many objects or theoretical models) have only passing references to HH 1 and 2 and have therefore not been included. Nevertheless, the vast majority of papers with substantial contributions to the understanding of HH 1 and 2 are probably included in our bibliography. Furthermore, given the fact that the yearly number of publications has fallen over the past decade (see § 2), the papers in our bibliography are likely to represent the larger part of the work that will be done on these objects (unless there is renewed future interest in HH 1 and 2).

However, it is clear that research on HH 1 and 2 is still alive. Evidence of this is the paper by Hartigan et al. (2011), which presents new HST images of HH 1 and 2, leading to new results on the proper motions and variability of these objects.

In the present paper we carry out a description of the HH 1/2 system (§ 3), a discussion of the early papers (§ 4), of the observations (§§ 5 and 6), and models (§ 7) of this system. We then discuss a few special topics regarding HH objects in general, which have shown considerable progress or have been resolved through studies of HH 1 and 2 (§ 8). This discussion has references to most of the papers in our HH 1/2 bibliography.

Finally, we make a short study of the contributions of individual authors and research groups to the HH 1/2 bibliography (§ 9). From this study, it is evident that Karl-Heinz Böhm has been the driving force for a substantial part of the work done on HH 1/2 (on optical/UV observations and theoretical models), as well as Luis Felipe Rodríguez (radio observations). Most of the work that has been done on HH 1/2 involves collaborations which include one of these two authors.

[7]Available on-line at `http://www.nucleares.unam.mx/astroplasmas/`.

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