Abstract Submitted
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Feedback from massive stars in the era of integral field spectroscopy[1] ANNA MCLEOD, University of California, Berkeley — Feedback from massive stars plays a central role in shaping the evolution of entire galaxies. Despite a solid qualitative understanding of feedback, our quantitative knowledge remains poor. Currently, only a small number of star-forming regions have adequate observational information on both gas and stars needed for detailed feedback studies. However, the growing availability of integral field unit (IFU) instruments and the novel analysis techniques we've developed for them, now allow the study of stellar feedback in orders-of-magnitude more regions than previously possible, i.e. the numbers needed to fully quantify the effects of feedback over a large dynamic range of stellar and ISM properties, and to connect the results to state-of-the-art star formation and galaxy evolution models. I will briefly discuss the state of the field, highlight some of the latest results, and give an outlook on what is yet to come in terms of large IFU surveys and future missions.

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