

Cambridge University Press

978-0-521-89541-5 - 3D Spectroscopy in Astronomy

Edited by Evencio Mediavilla, Santiago Arribas, Martin M. Roth, Jordi Cepa-Nogue and Francisco Sanchez

Table of Contents

[More information](#)

Contents

| | |
|--|------------------|
| List of contributors | <i>page</i> viii |
| List of participants | ix |
| Preface | xi |
| Acknowledgements | xii |
| List of abbreviations | xiii |
| | |
| 1 Introductory review and technical approaches <i>Martin M. Roth</i> | 1 |
| 2 Observational procedures and data reduction <i>James E.H. Turner</i> | 40 |
| 3 3D spectroscopic instrumentation <i>Matthew A. Bershady</i> | 87 |
| 4 Analysis of 3D data <i>Pierre Ferruit</i> | 126 |
| 5 Science motivation for integral field spectroscopy and Galactic studies <i>Frank Eisenhauer</i> | 158 |
| 6 Extragalactic studies and future integral field spectroscopy science <i>Luis Colina</i> | 200 |
| 7 Tutorials: How to handle 3D spectroscopy data <i>Sebastián F. Sánchez, Begoña García-Lorenzo and Arlette Pécontal-Rousset</i> | 225 |