Star formation history written in spectra
Ellerbroek, L.E.

Citation for published version (APA):
Ellerbroek, L. E. (2014). Star formation history written in spectra

General rights
It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: http://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.
## Contents

4.6 Discussion .................................................. 100
4.7 Summary .................................................... 106
4.A Additional materials ...................................... 108

5 Relating jet structure to photometric variability: HD 163296 111
5.1 Introduction .................................................. 113
5.2 Observations, data reduction and archival data .................. 114
5.3 Results: the jet .............................................. 117
5.4 Results: variability of the central source ...................... 128
5.5 Discussion .................................................... 134
5.6 Summary and Conclusions ................................... 140
5.A Additional materials ...................................... 142

6 First firm spectral classification of an early-B PMS star: B275 in M17 145
6.1 Introduction .................................................. 147
6.2 VLT/X-shooter observations of B275 .......................... 148
6.3 Results ......................................................... 149
6.4 Discussion .................................................... 152

7 A resolved, AU-scale gas disk around the B[e] star HD 50138 155
7.1 Introduction .................................................. 156
7.2 Observations and data reduction ............................... 158
7.3 Results: spectroscopy ...................................... 160
7.4 Results: AMBER interferometry .............................. 164
7.5 Geometric modeling ......................................... 169
7.6 Discussion .................................................... 175
7.7 Summary and Conclusions ................................... 179
7.A AMBER: observations ...................................... 181
7.B AMBER: observations and models .......................... 182
7.C Line visibility ............................................... 183
7.D Visibility of a Gaussian distribution ......................... 184

Bibliography ...................................................... 185
Publications ....................................................... 199
Summary .......................................................... 203
Samenvatting ...................................................... 209
Dankwoord ......................................................... 215