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## Optical study of the Southern high mass star forming region RCW 34

*Thursday, 14 July 2011 11:45 (15 minutes)*

To understand the formation of stars one must be able to identify young objects. RCW 34 is a star forming region in the constellation of Vela. A study was conducted in the near-infrared where it was found that a large number of stars surrounding the nebula shows NIR characteristics of lower mass pre-main sequence stars. To prove the suspicions a follow-up study was conducted in the optical. The results of a photometric and spectroscopic study on the the nebula and stars within a 7 arcmin x 7 arcmin region around the nebula will be presented.

**Level (Hons, MSc, &nbsp; PhD, other)?**

MSc

**Consider for a student &nbsp; award (Yes / No)?**

Yes

**Would you like to <br> submit a short paper <br> for the Conference <br> Proceedings (Yes / No)?**

Yes

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**Session Classification:** APSS

**Track Classification:** Track D1 - Astrophysics