

# A highly ionized stellar bow shock in the Small Magellanic Cloud

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## Abstract

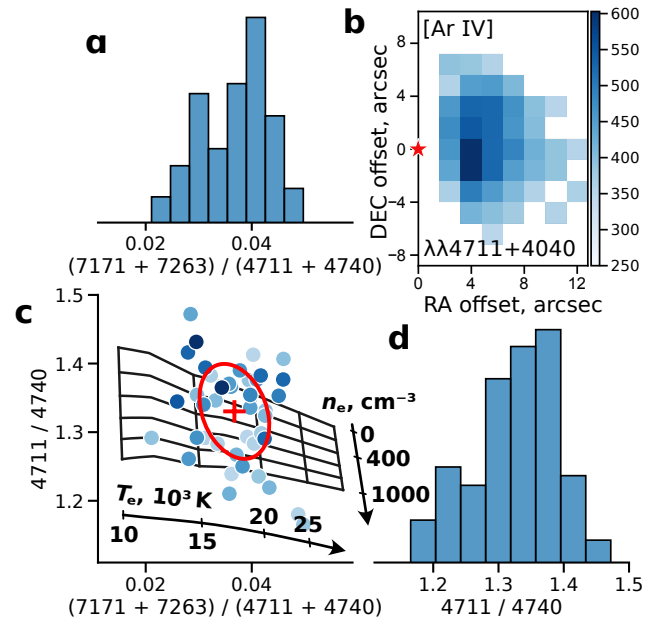
We report the discovery of a parsec-scale stellar bow shock associated with the O2 III(f) star Walborn 3 in the cluster NGC 346 of the Small Magellanic Cloud. Emission line images of He II and [Ar IV], etc.

**Keywords:** Atomic physics; Radiative transfer; Photodissociation regions

1. INTRODUCTION
2. OBSERVATIONS
3. RESULTS
4. CONCLUSIONS

1 Thank you.

*Facilities:* VLT:Yepun (MUSE)



**Figure 1.** Temperature and density diagnostics of the bow shock from [Ar IV] line ratios.

## REFERENCES