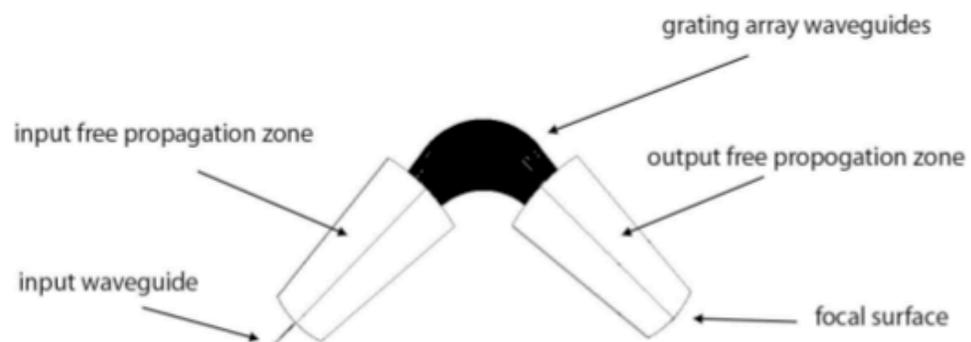


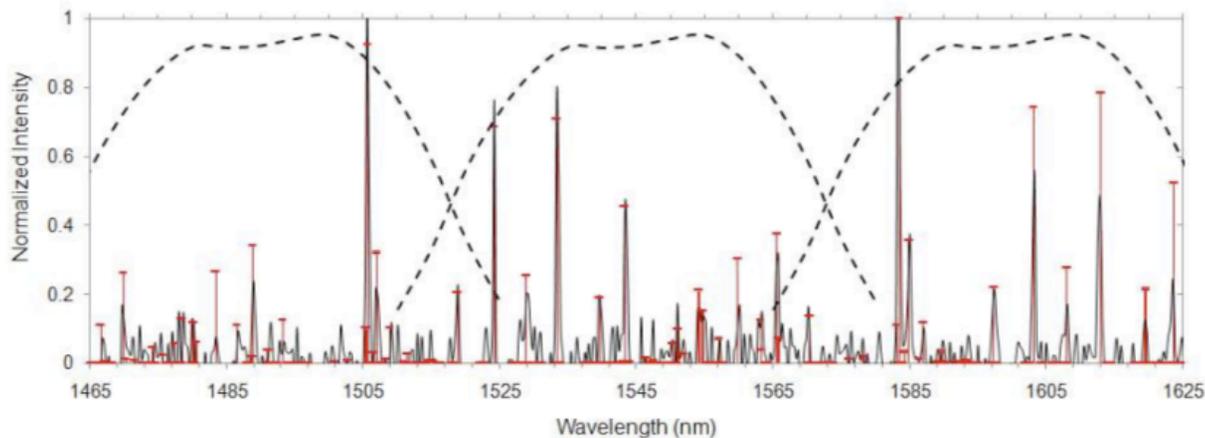
Array Waveguide Grating



Characterization and on-sky demonstration of an integrated photonic spectrograph for astronomy

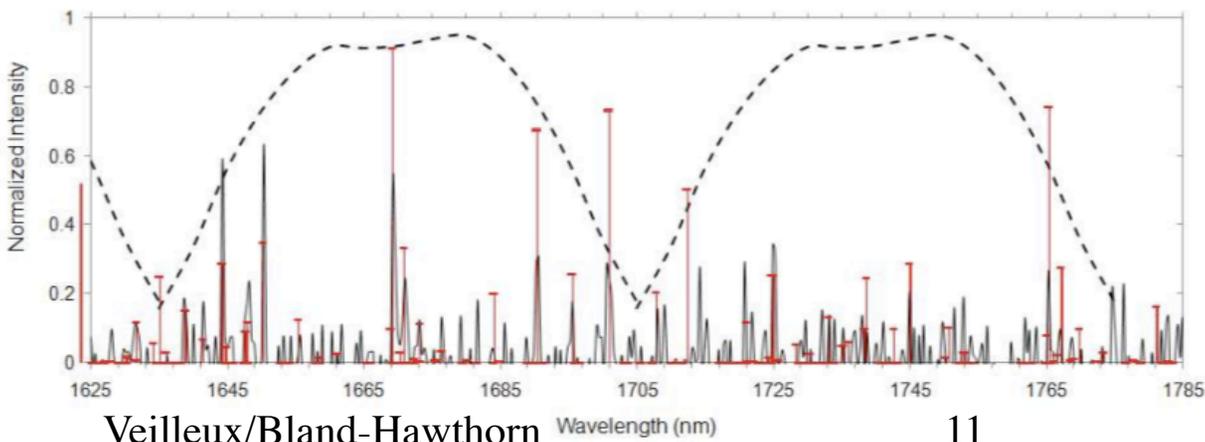
2009

N. Cvetojevic,¹ J. S. Lawrence,^{1,2,*} S. C. Ellis,³ J. Bland-Hawthorn,³ R. Haynes,¹ and A. Horton¹



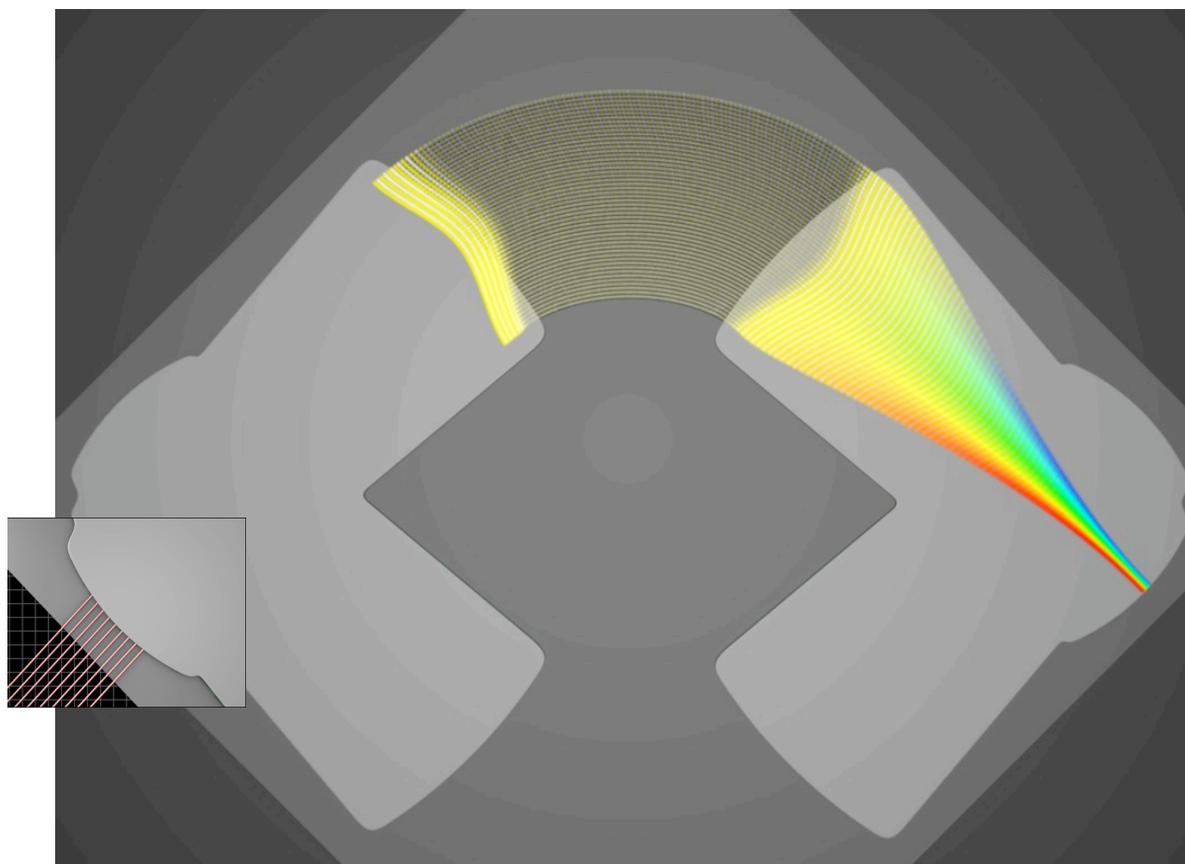
The first ever *continuous* spectrum from an IPS !

Peak total efficiency ~ 65%



Veilleux/Bland-Hawthorn

Cyclic Array Waveguide JBH et al (2010)



Illuminate one input to get output spectrum in **single** order.
With cross dispersion, we can use **many** inputs and **multiple** orders.