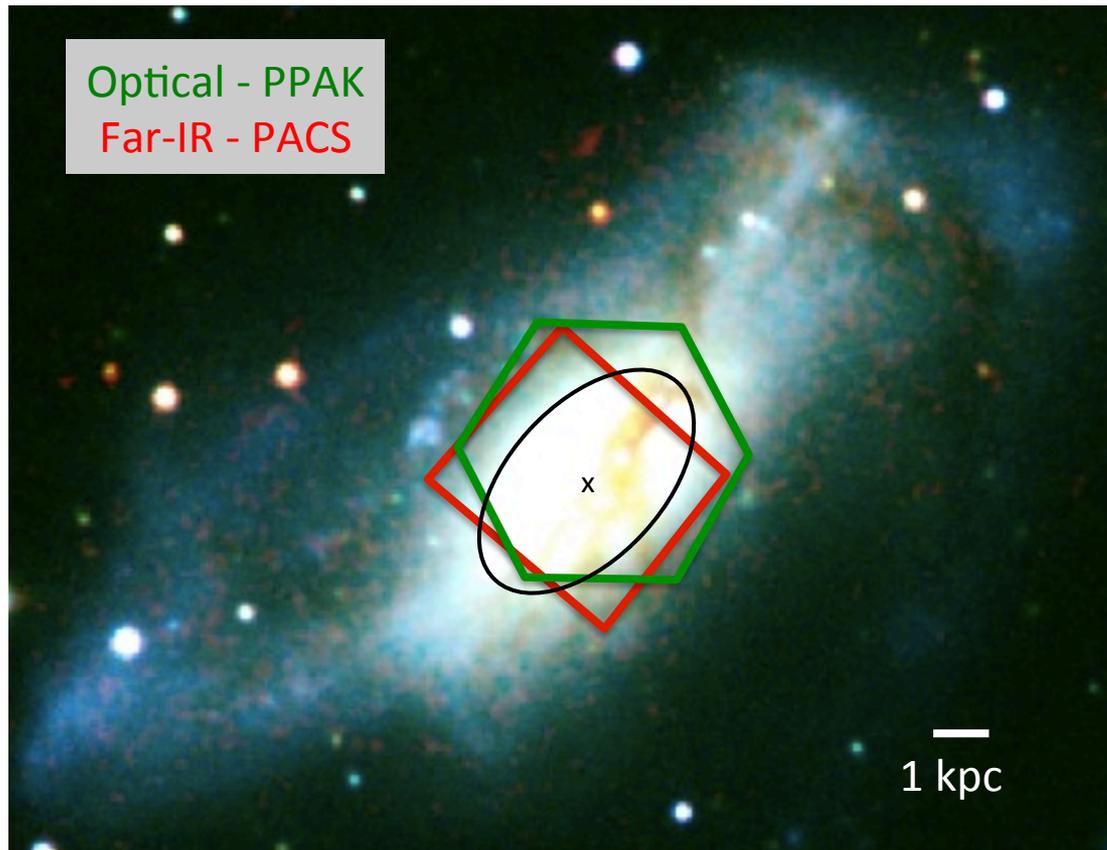


A Far-IR and Optical View of the Starburst Driven Superwind in NGC 2146

Kathryn Kreckel (MPIA),

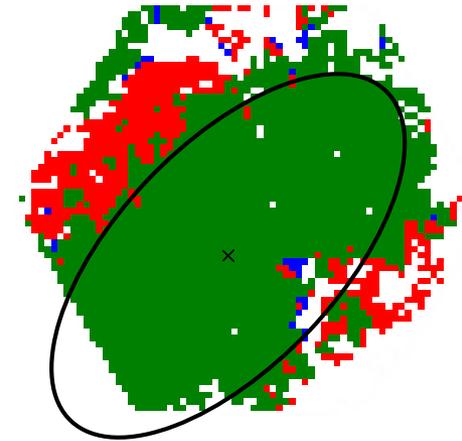
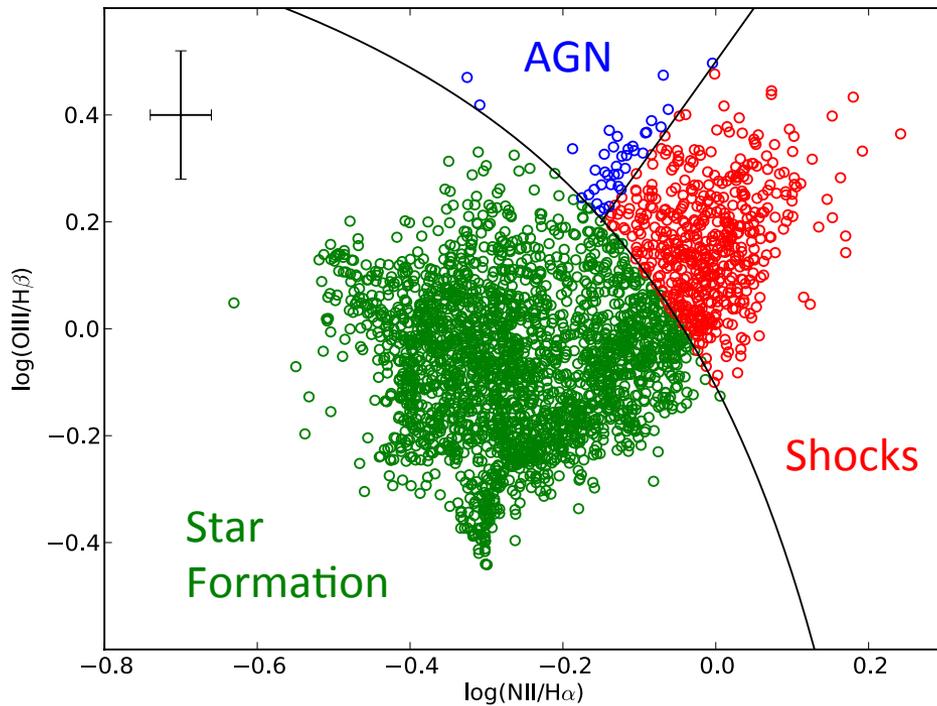
Lee Armus, Brent Groves, Mariya Lyubenova, Tanio Diaz-Santos, Eva Schinnerer, KINGFISH collaboration



Kreckel et al. 2014

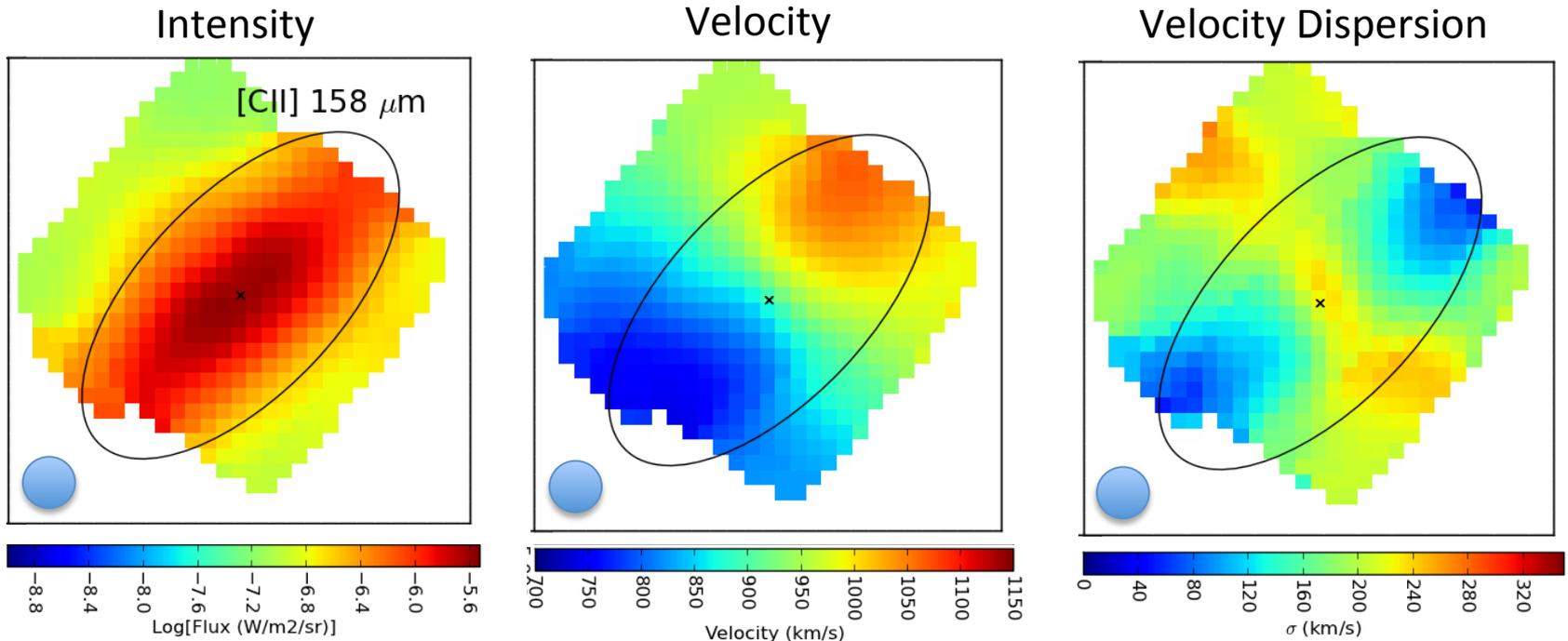
A Far-IR and Optical View of the Starburst Driven Superwind in NGC 2146

Mapping optical excitation diagnostics



A Far-IR and Optical View of the Starburst Driven Superwind in NGC 2146

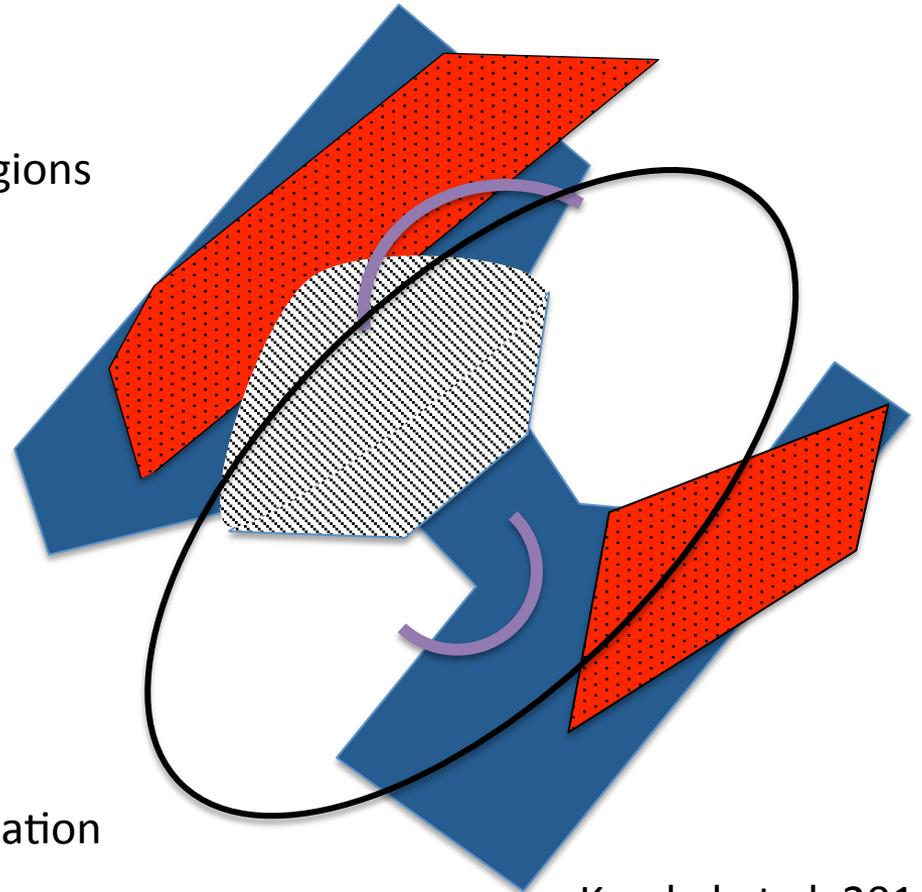
The Far-IR view: [CII] 158 μm



A Far-IR and Optical View of the Starburst Driven Superwind in NGC 2146

A Multi-Wavelength Picture

-  [CII] 158 μm Atomic gas in wind
-  Optical IFU shock dominated regions
-  Stellar disk
-  X-ray hot gas in wind
-  Molecular outflows



Key results:

- Constraints on outflow physics
- Local analog for high-z systems
- Impact on morphological transformation