Outflows from Young Stellar Objects MHD, Radiation & Chemistry

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Outline

Star formation: What do we know

Star formation: Feedback

Present challenges

Outflow Evolutionary Picture

Chemistry in outflows

Molecular bullets and EHV emission

Numerical code

Launching and Propagation

Radiation force

Chemistry and Cooling

MHD Acceleration

Collimation and Radiation

Force Parameters and its impact

Resistive effects

A case of Orion Source I

Molecular Interplay

Spectra and PV digrams

Multi-Line survey: Emission

Multi-line survey: Line Ratios

Focussing on a single knot

Rotation or Wiggles?

Conclusions