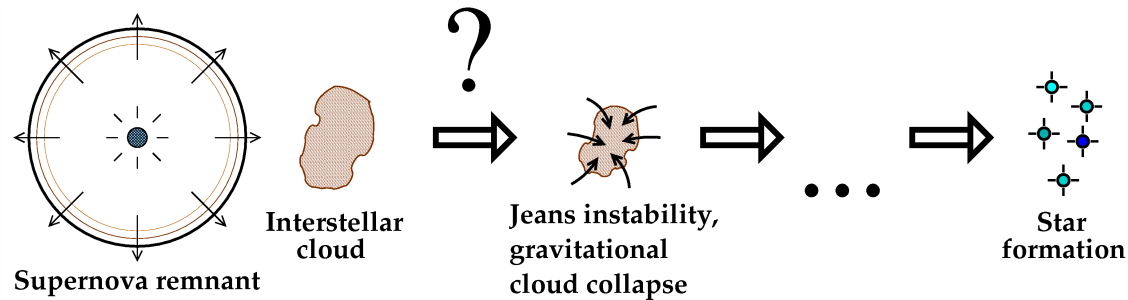


# Interaction of supernova remnants with interstellar clouds as a pre-stage to star formation

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**Context:** Can shocks trigger star formation?

**This project:** Can SNRs (shocks) induce the conditions for Jeans instability in small clouds?

**Method:** MHD simulations (3D, radiative cooling, ...)

**Results:** - Can not reach Jeans instability, due to internal magnetic pressure, disruption, ...  
 - Cloud density enhancements of  $\sim 10^3$ , ...and more...

