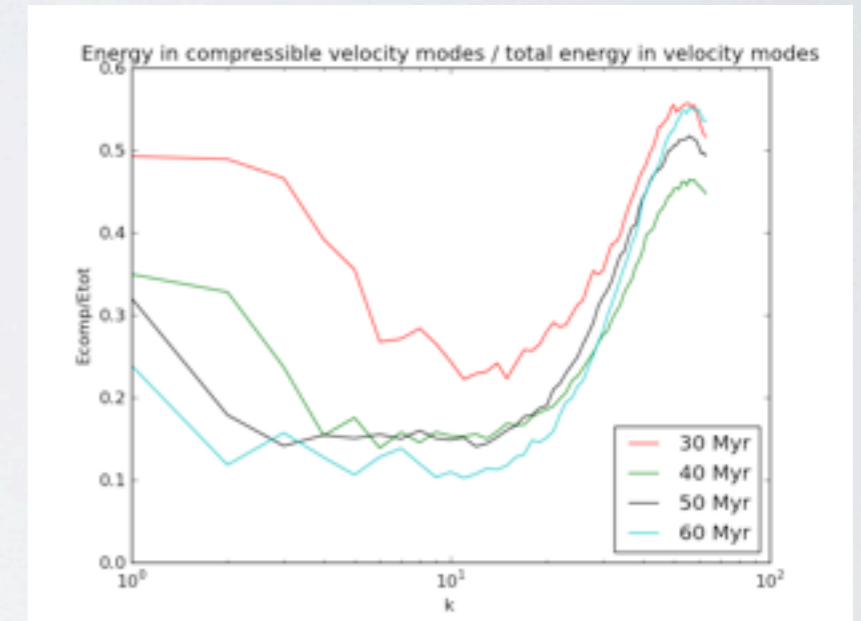
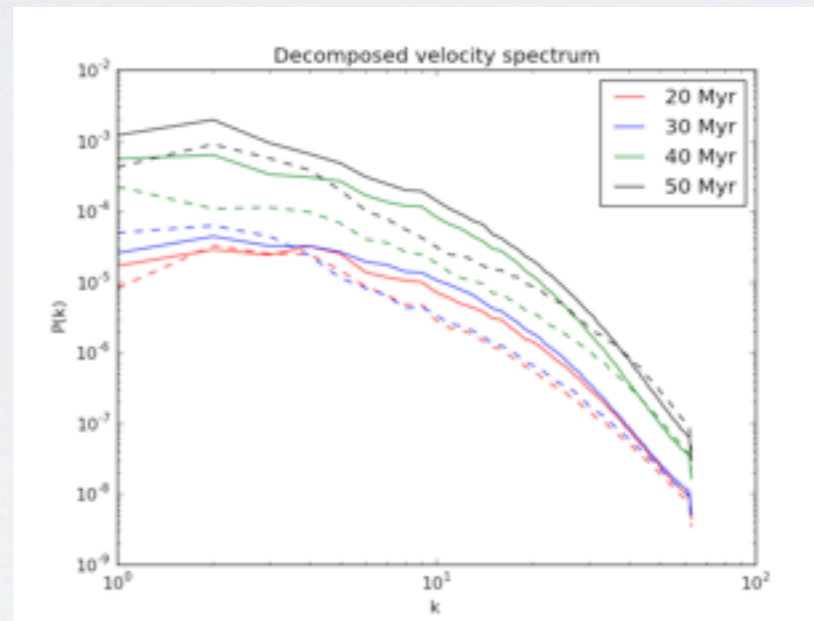
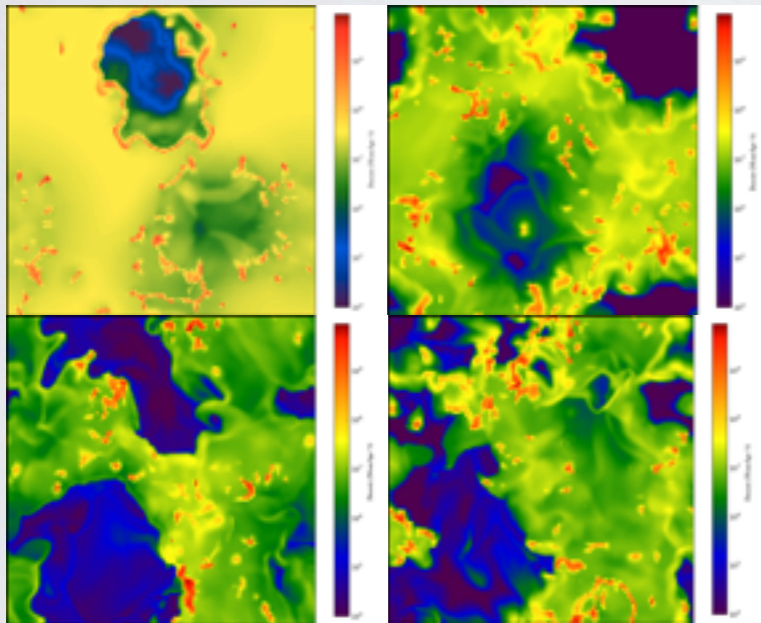


HOW SOLENOIDAL IS SUPERNOVA-DRIVEN TURBULENCE IN THE ISM ?

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- SN-driven turbulence balances pressure and gravity and may regulate star formation
- Numerical simulations : cubical box of ISM with randomly located SN explosions
- Decomposition of the resulting turbulence into its compressible and solenoidal parts



We confirm with a different methode this surprising result of Balsara et al. (2004) :

Even though this turbulence is driven by compressible motions (SN explosions), the resulting kinetic energy is concentrated on solenoidal rather than compressible motions.