

Modeling Magnetic Field Amplification in Neutron Star Collisions

Ben Goldman

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Neutron star mergers

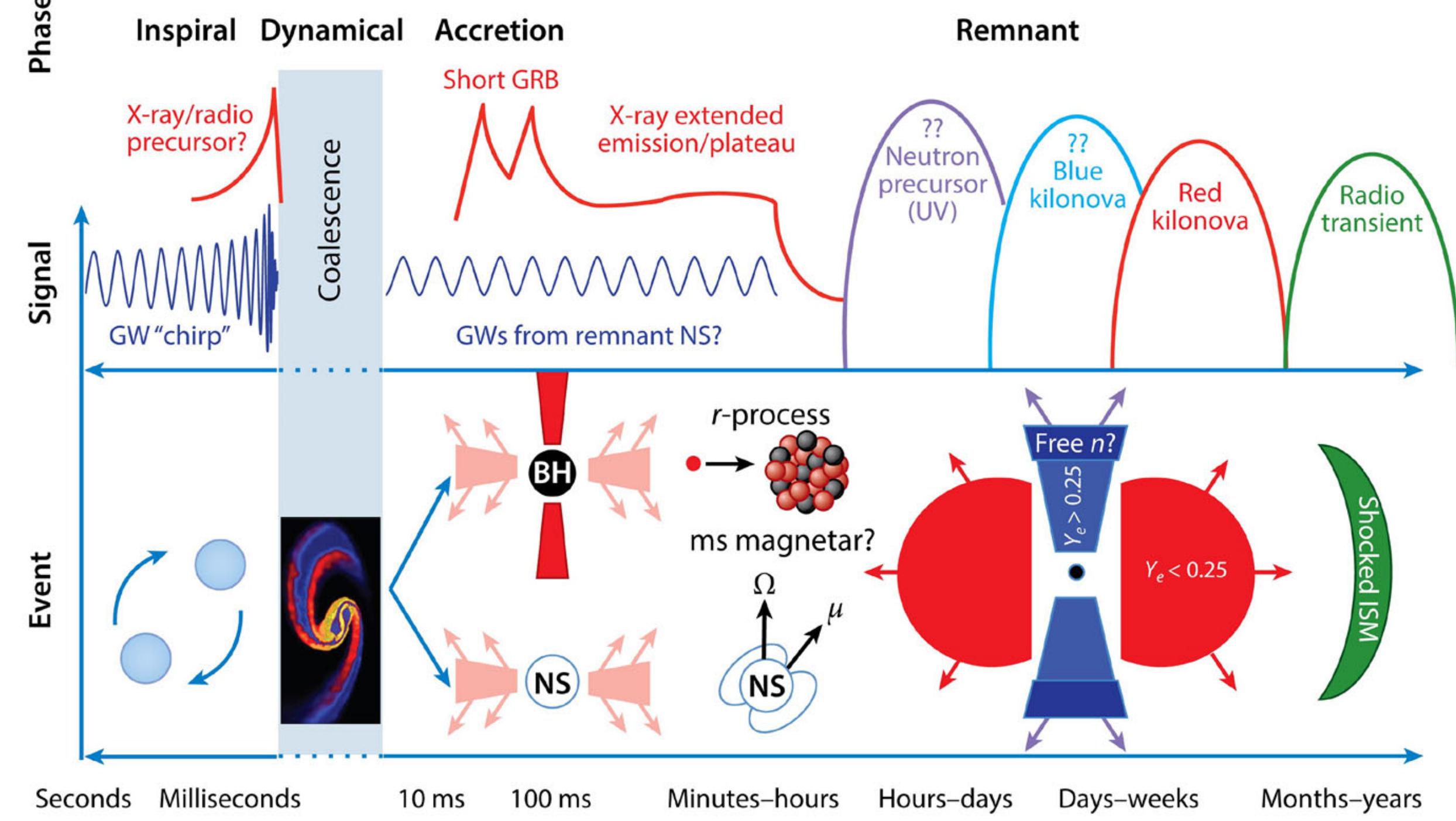


Figure:

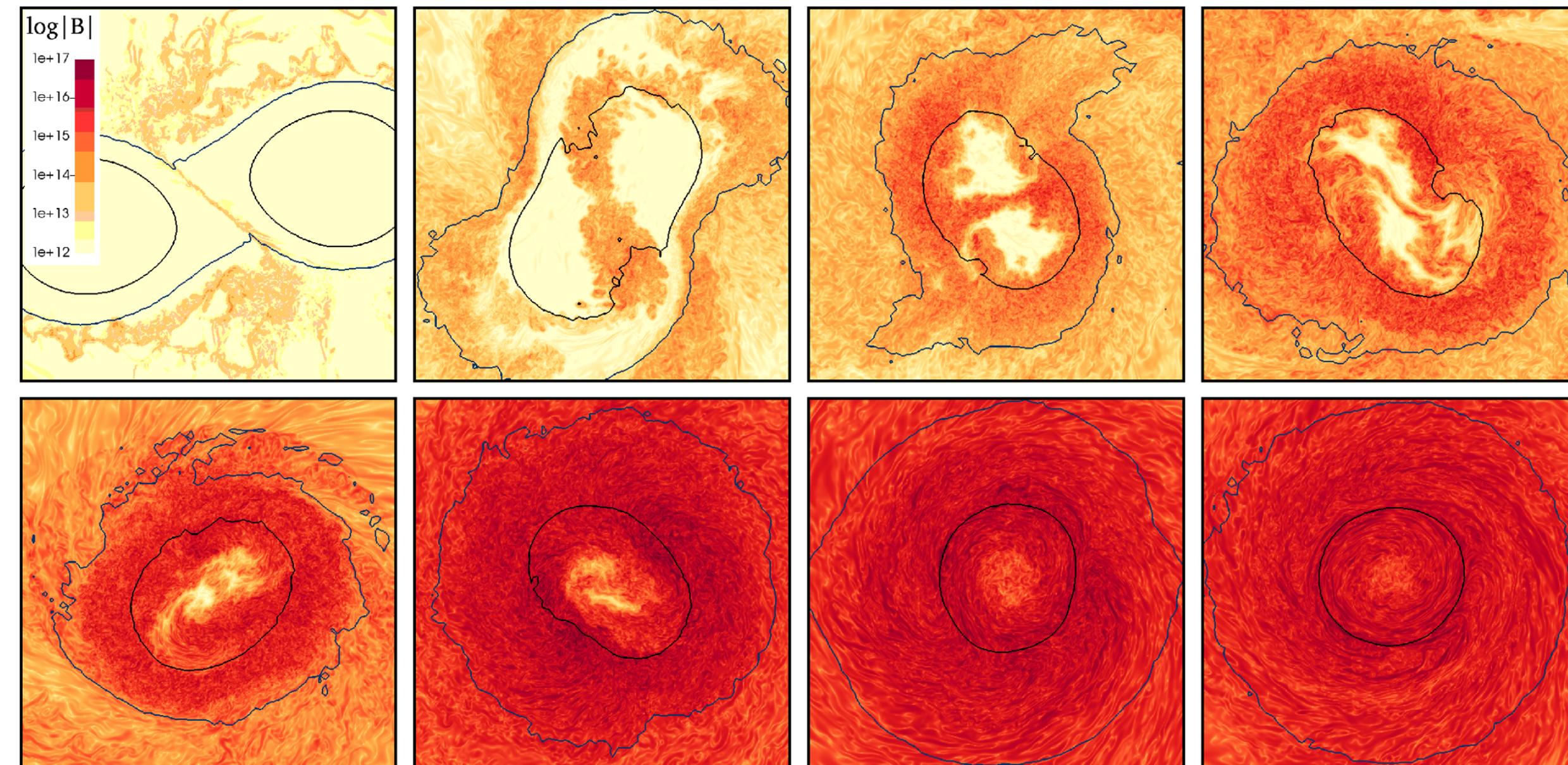
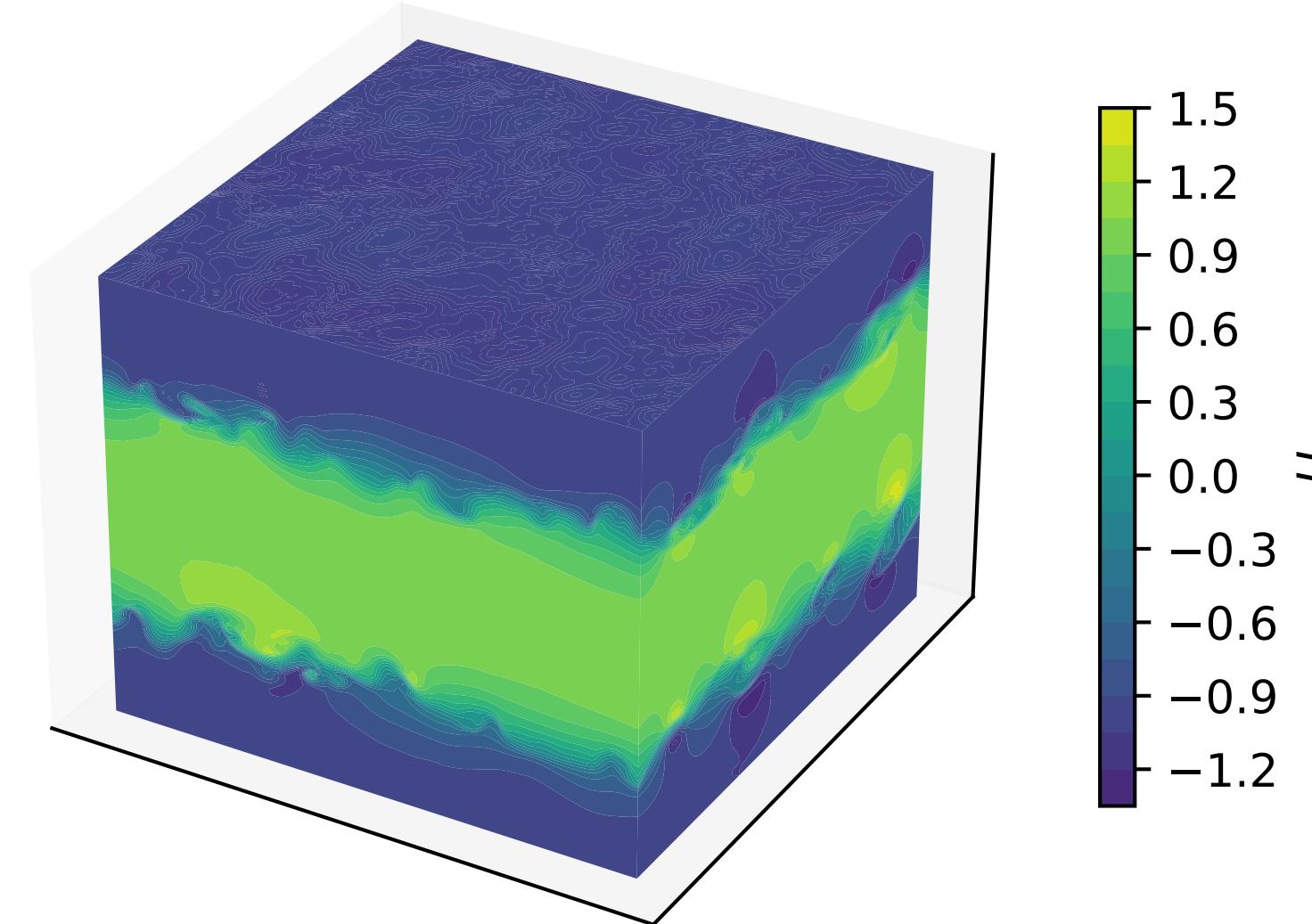


Figure:

Fluid Motion



Magnetic Energy (logarithmic)

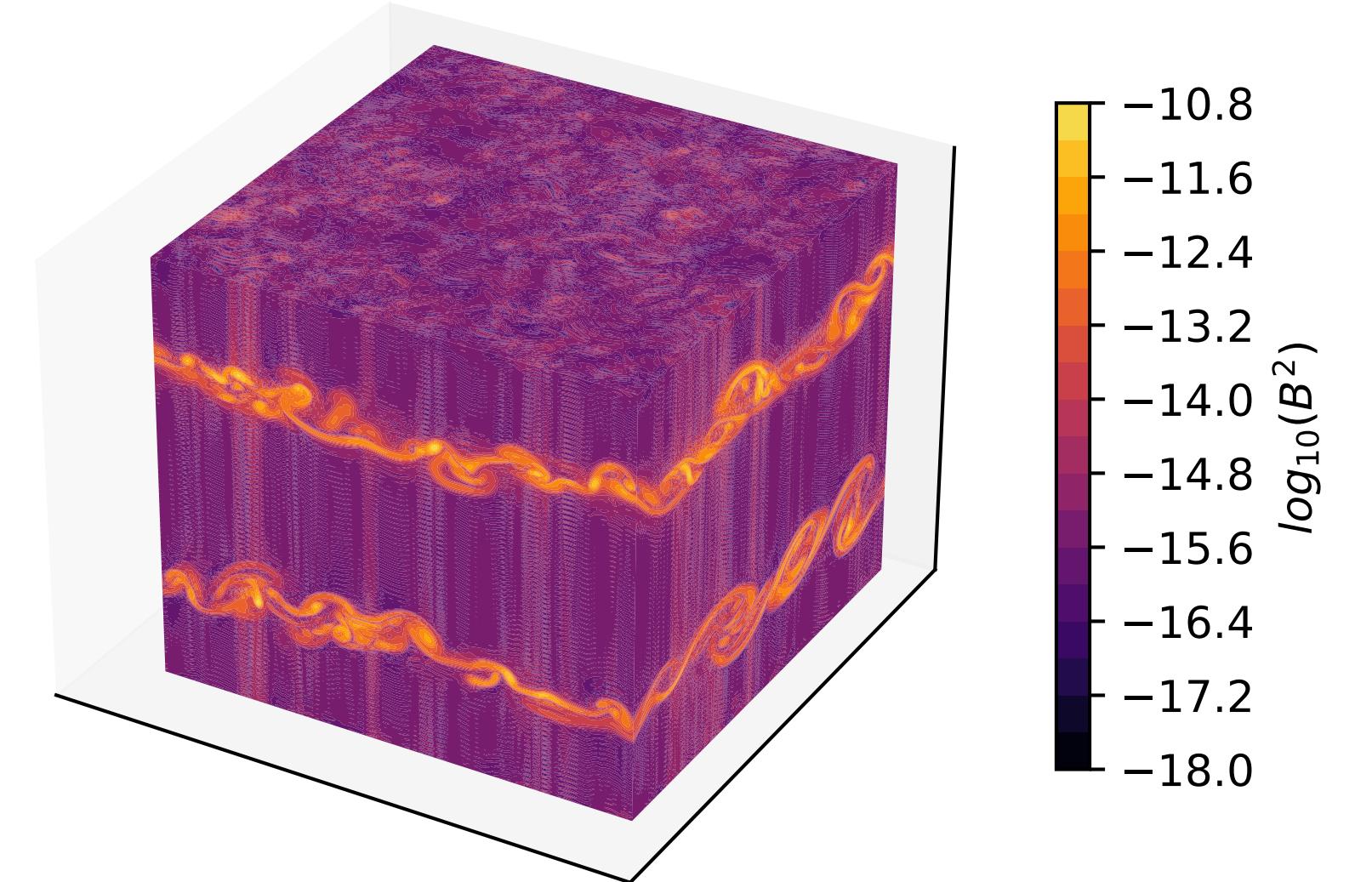


Figure:

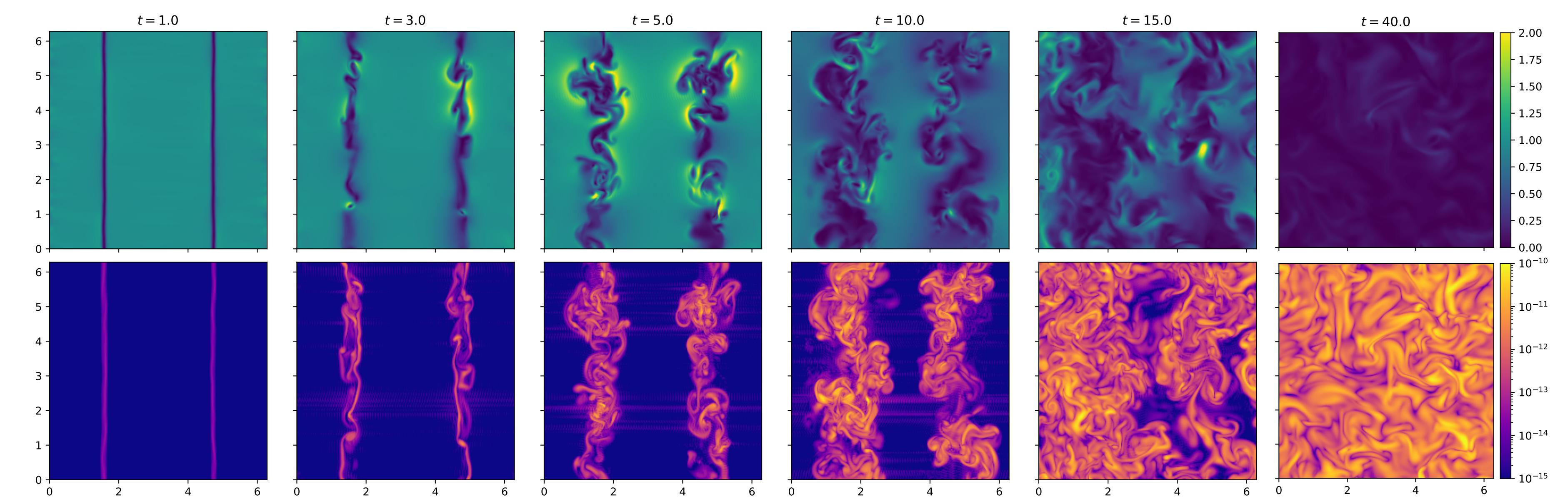


Figure:

The Kelvin-Helmholtz instability



Figure:

Mean energy

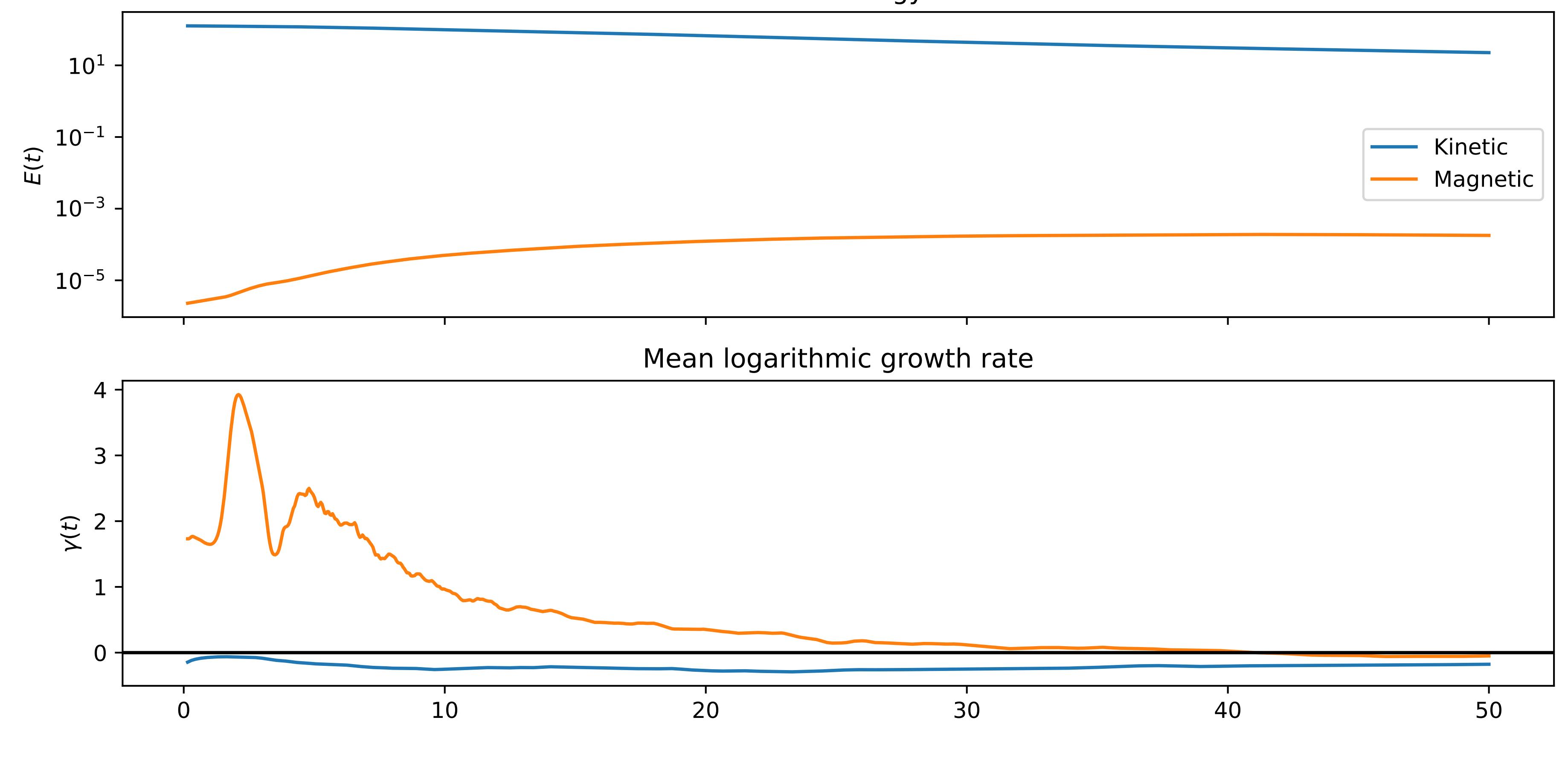


Figure: