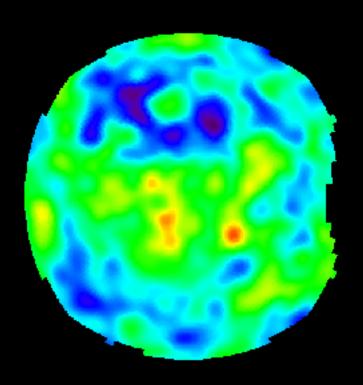
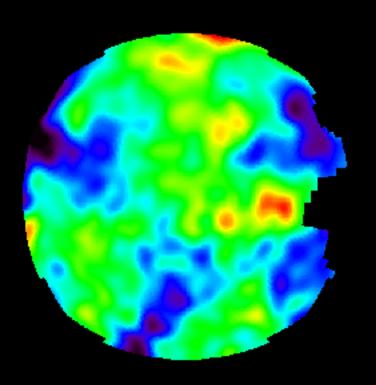
atoms

Sky



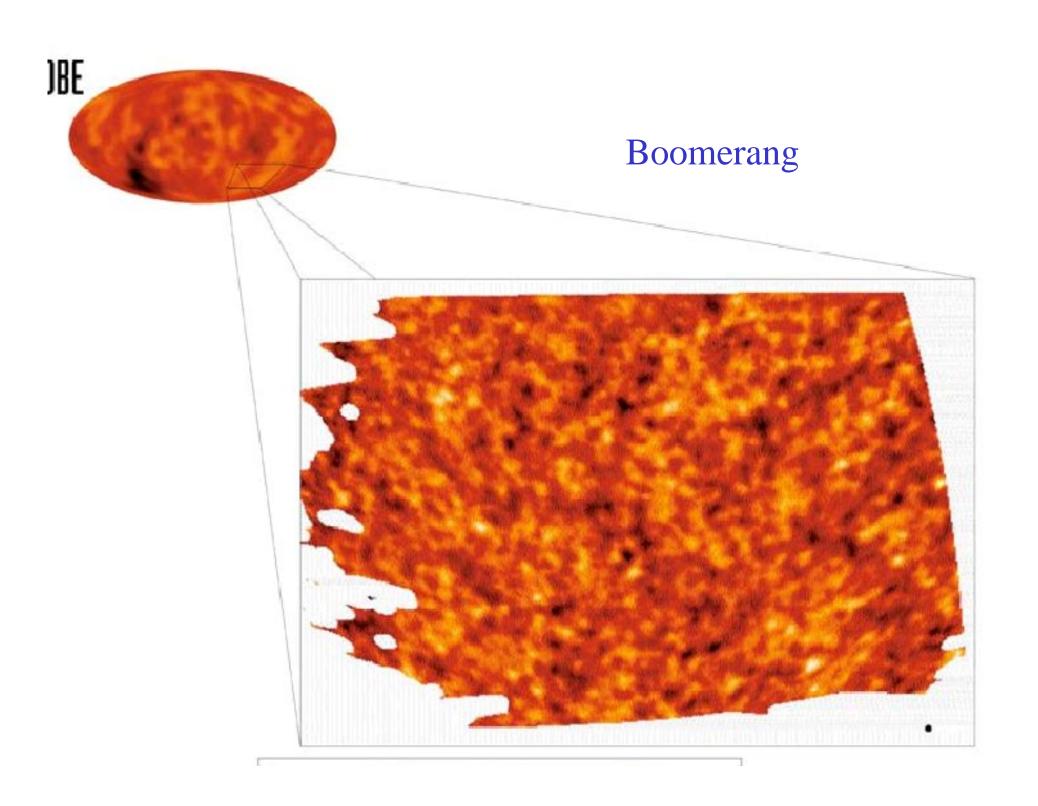


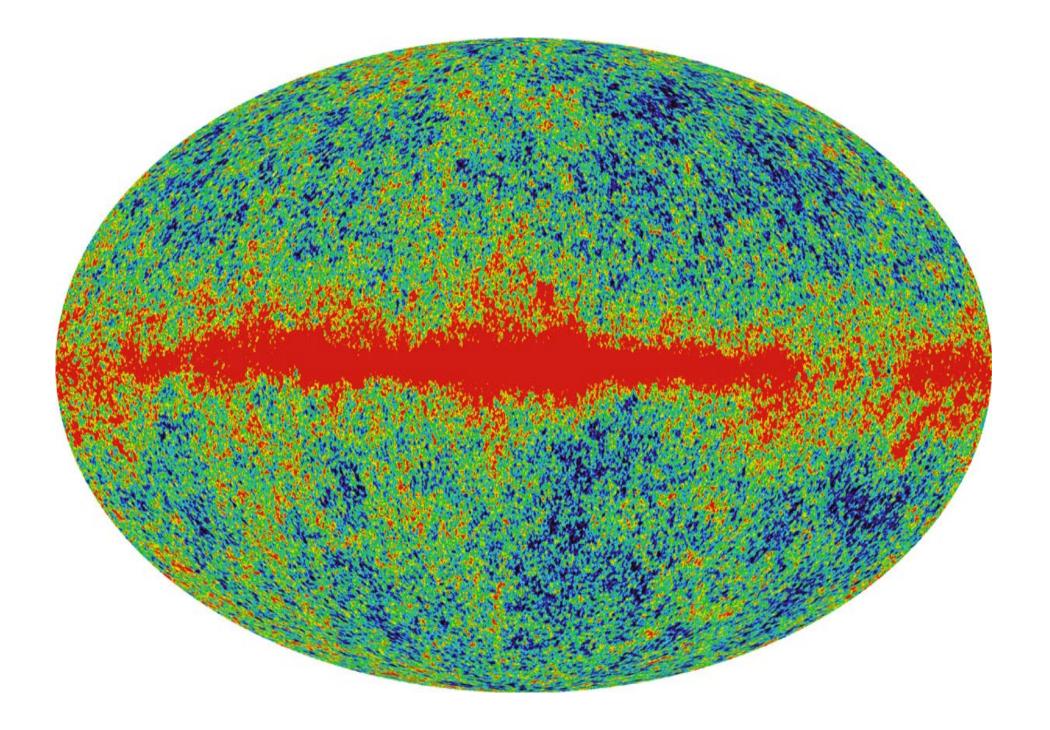




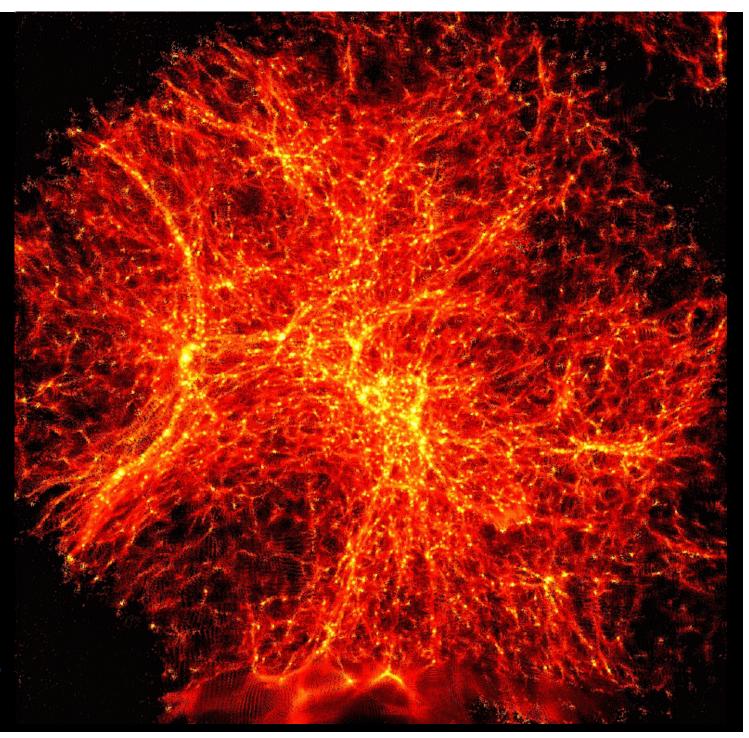






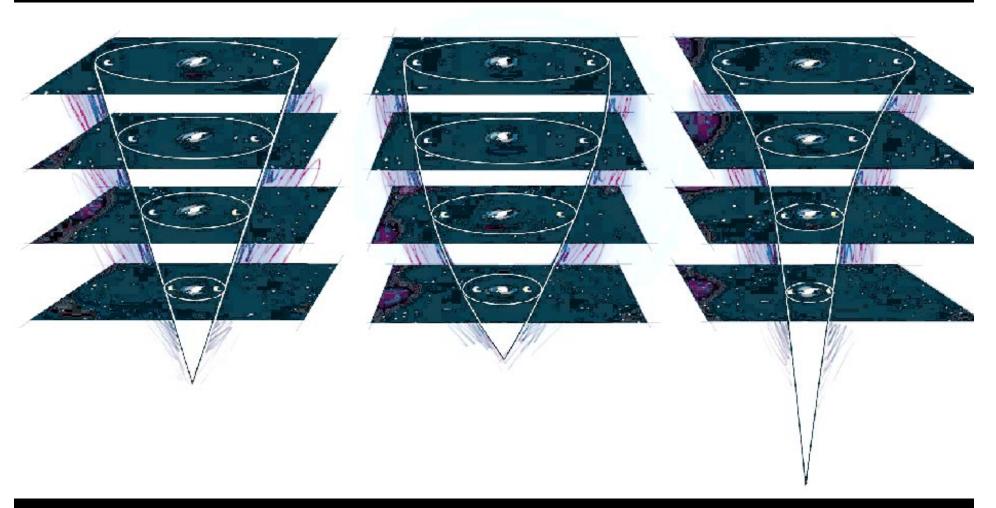


web



UW Nbody Group

What kind of spacetime is our universe? coasting decelerating accelerating

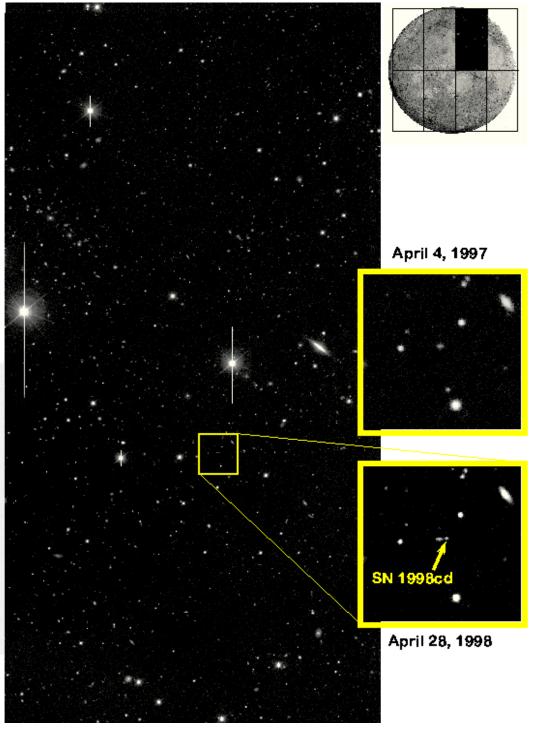


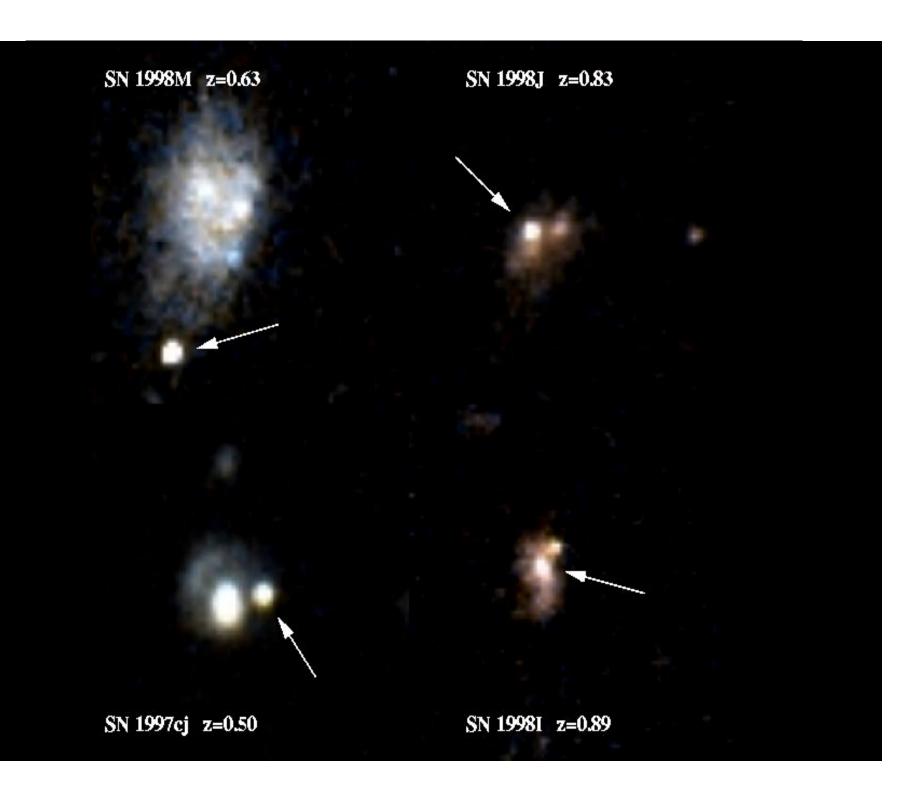
Depends on the nature of mass-energy



new ancient supernova







fading supernova viewed with HST



Nambu-Goldstone displacement modes

Broken Poincare symmetry during condensation of a brane: random displacements in the higher dimensions lead to intrinsic curvature

These are dynamically converted into tensor modes close to maximal amplitude up to Hubble frequency, suppressed at low frequencies

