

CCP two layers (128 cubed)

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('Datafile with space-time averages: ', 'DATA/TSERIES/tseries_ccptwo_128cubed_long.npy')
('Central time (in s): ', 409.4)
('Averaging windows (in s): ', 300.0)
('Time range (in s from-to): ', 150.0, 568.0)
#-----#
Resolution: 128 128 128
Radial size of computational domain (in cm): 4.03e+08 1.20e+09
Radial size of convection zone (in cm): 4.16e+08 8.53e+08
Extent of convection zone (in Hp): 2.345610
Averaging time window (in s): 300.000000
RMS velocities in convection zone (in cm/s): 1.20e+07
Convective turnover timescale (in s) 7.28e+01
P_turb o P_gas 6.45e-04
Dissipation length scale (in cm): 1.42e+09
Total nuclear luminosity (in erg/s): 1.08e+45
Rate of TKE dissipation (in erg/s): 5.47e+44
Dissipation timescale for TKE (in s): 58.993843
Reynolds number: 288
    
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