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Proton energetics in the solar wind between 0.3 and 1 AU: Helios reloaded

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The proton thermal energetics in the solar wind between 0.3 and 1 AU is re-investigated using the Helios 1 and 2 data. Heating and cooling rates are evaluated for the slow and fast solar wind and compared with estimates of the turbulent cascading energy. Possible influence of the interaction between fast and slow solar wind streams on the proton energetics is discussed.