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The Simmering phase of SNe Ia

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The stellar progenitors of SNe Ia are usually identified with CO WDs accreting matter in binary systems. Due to mass deposition C-burning is ignited at the center in highly degenerate physical conditions, determining the thermonuclear runaway. In this talk the interplay between weak processes and convection will be discussed and their effects on the physical and chemical properties at the explosion will be analyzed.

Session

Stellar evolution

Primary author: PIERSANTI, Luciano (INAF-OAAb)

Co-authors: Dr CRISTALLO, Sergio (INAF-OAAb); Prof. STRANIERO, Oscar (INAF-OAAb); Prof. BRAVO, Eduardp (Universitat Politècnica de Catalunya, SPAIN); Prof. DOMINGUEZ, Inmaculada (Universidad de Granada, Spain)

Presenter: PIERSANTI, Luciano (INAF-OAAb)

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