



Status of Cosmic Dust measurements onboard Cassini

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The Cosmic Dust Analyzer (CDA) onboard the Cassini mission measures the properties of micron sized dust particles in the planetary system. Since 2004 CDA performs successfully measurements in the Saturnian system and made several exciting discoveries and measurements: Dust streams from the inner and outer ring system, dust grain potentials, dust grain composition of ring particles, dust size and density distributions in the outer ring system, the G ring detection, the Enceladus dust plumes and significant dust fluxes outside the known E ring. This paper provides an overview of the dust measurements until today.