



The search for interstellar dust with CDA 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. CDA determines the cosmic grain speeds, masses and compositions. During the cruise phase of Cassini in 1999, CDA was able to detect interstellar dust in the inner solar system. Since Cassini's arrival at Saturn in 2004, the dust environment is dominated by Saturnian ring particles and the detection of interstellar and interplanetary dust is disturbed and inefficient. Now, almost 10 years later, we identify again possibilities for the detection of interstellar grains in the outer Saturnian system. This paper identifies dust grain impacts possibly related to interstellar dust.