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## Supernovae Ia and Dark Energy : results from the first 3 years of the Supernova Legacy Survey

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We present the recent results from the analysis of the Supernova Legacy Survey 3-years data sample. For the dark energy equation of state, assuming a flat universe, we measure a  $w$  parameter consistent with a cosmological constant with a precision of 0.2. We have paid particular attention to the systematic uncertainties. We combine the SNe data with baryon acoustic oscillation measurements from the Sloan Digital Sky Survey (SDSS) and measurements of the cosmic microwave background power spectrum from the WMAP-7 year data, to obtain, under the flat universe hypothesis, a measurement of the dark energy equation of state  $w = -1.068$  with a precision of 0.08.

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**Classification de thématique:** Experiment