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Atmospheric muons in the ANTARES detector

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The Antares detector was operated in a configuration with 5 lines for a period of 10 months from Feb 2007 until Nov 2007. The duty cycle was better than 80%. During this period almost $2 \cdot 10^7$ atmospheric muon triggers were collected. This large sample was used to test Monte Carlo simulation programs and to evaluate possible systematic effects due to uncertainties on environmental parameters and detector description. First results are presented and discussed.

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