

# **ESA technology development activities for fundamental physics space missions**

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This paper gives an overview of the European Space Agency (ESA) technology development activities for applications in fundamental physics space missions. Tests to General Relativity and other fundamental physics theories rely on high precision metrology in one form or another. The focus at ESA is to answer this need through the development of stabilized lasers, atom interferometry and atomic clocks and their subsequent miniaturization and space qualification.