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Titolo	The quantum structure of space and time [[electronic resource] ] : proceedings of the 23rd Solvay Conference on Physics, Brussels, Belgium, 1-3 December, 2005 / / editors, David Gross, Marc Henneaux, Alexander Sevrin
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Altri autori (Persone)	GrossDavid HenneauxMarc SevrinA (Alexander)
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Sommario/riassunto	Ever since 1911, the Solvay Conferences have shaped modern physics. The 23rd edition, chaired by 2004 Nobel Laureate David Gross, did not break with that tradition. It gathered most of the leading figures working on the central problem of reconciling Einstein's theory of gravity with quantum mechanics. These proceedings give a broad overview with unique insight into the most fundamental issues raised by this challenge for 21st century physics, by distinguished renowned scientists. The contributions cover: the status of quantum mechanics,

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Sommario/riassunto	In 2006, researchers from 22 organizations in ten countries began a joint effort to enable the cost-effective commissioning of existing and future buildings to improve the buildings' operating performance. The commissioning techniques developed through this Annex are intended to help transition the industry from the intuitive approach, currently employed in the operation of buildings, to more systematic operation focusing on achieving significant energy savings. Key outputs of IEA - ECBCS Annex 47 include: - Methods and tools for commissioning advanced systems and low energy buildings; - Methods and tools for field application; - Information on the costs and benefits that can be used to promote the wider use of commissioning. This report presents an extended summary of the research results.