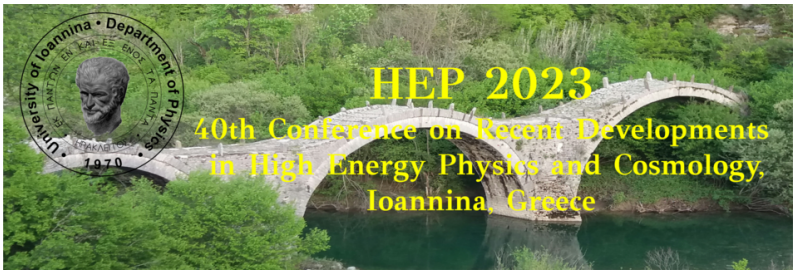

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Detecting Stochastic Gravitational Wave Backgrounds with future space-based observatories

Wednesday 5 April 2023 16:00 (30 minutes)

Future space-borne Gravitational Wave detectors will give us the opportunity to probe for potential stochastic Gravitational Wave signals, originating from high-energy processes in the very early Universe; i.e. from inflation, from phase transitions, from topological defects, or from primordial black holes. However, extracting the interesting signatures from the data will be challenging task. In this talk, I will summarise these challenges, as well as the prospects of future space observatories to detect such signals.

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