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## On Testing Superstring Theories with Gravitational Waves

*Monday, 29 August 2011 11:35 (20 minutes)*

We provide a simple transfer function that considers the impact of an early matter dominated era on the gravitational wave background and show that string theory can be tested by observations of the gravitational wave background from inflation. An outlook on the opportunity to test any nonstandard cosmology will be given.

**Presenter:** Mr HASENKAMP, Jasper (DESY)

**Session Classification:** Parallel Session 3