

Session Program

11-13 Nov 2019

**Gravitational Wave Probes of Fundamental
Physics**

Short talks

Volkshotel, Amsterdam, The Netherlands, Riet
Wibautstraat 150 1091 GR Amsterdam

Monday 11 November

14:10

Short talks

Session | **Location:** Volkshotel, Amsterdam, The Netherlands, Riet, Wibautstraat 150 1091 GR Amsterdam

14:10–14:25 **Gravitational Collider Physics**

Speaker

John Stout

14:25

15:55

Short talks

Session | **Location:** Volkshotel, Amsterdam, The Netherlands, Riet, Wibautstraat 150 1091 GR Amsterdam

15:55–16:10 **Fundamental and Gravitational Wave Science with Pulsar Timing**

Speaker

Siyuan Chen

16:10–16:25 **Dark Energy Instabilities induced by Gravitational Waves**

Speaker

Giovanni Tambalo

16:25–16:40 **Constraining the speed of gravity using astrometric measurements**

Speaker

Deyan Mihaylov

16:40

Tuesday 12 November

11:30

Short talks

Session | **Location:** Volkshotel, Amsterdam, The Netherlands, Riet, Wibautstraat 150 1091 GR Amsterdam

11:30–11:45

Binary black holes beyond general relativity

Speaker

Masha Okounkova

11:45–12:00

Radiation from Global Topological Strings using Adaptive Mesh Refinement

Speaker

Ms Amelia Drew

12:00–12:15

Cross-correlation of the astrophysical gravitational-wave background with galaxy clustering

Speaker

Omar Contigiani

12:15

16:30

Short talks

Session | **Location:** Volkshotel, Amsterdam, The Netherlands, Riet, Wibautstraat 150 1091 GR Amsterdam

16:30–16:45

A Unique Multi-Messenger Probe of QCD Axion Dark Matter

Speaker

Thomas Edwards

16:45–17:00

Novel signatures of dark matter in laser-interferometric gravitational-wave detectors

Speaker

Dr Yevgeny Stadnik

17:00–17:15

Gravitational Wave Detection at low frequency with Atom Interferometry

Speaker

Andrea Bertoldi

17:15–17:30

Black holes in string theory and observations

Speaker

Bert Vercoe

17:30

Wednesday 13 November

11:30

Short talks

Session | **Location:** Volkshotel, Amsterdam, The Netherlands, Riet, Wibautstraat 150 1091 GR Amsterdam

11:30–11:45

Gravitational Waves signatures from collisions of exotic compact objects

Speaker

Eugene Lim

11:45–12:00

Probing the Early and Late Universe with the Gravitational-Wave Background

Speaker

Mr Alexander Jenkins

12:00–12:15

Massive black hole binaries in the cosmos

Speaker

Marta Volonteri

12:15