

Session Program

19-21 Jun 2019

Quantum Limits of Knowledge ***Reference Frames, Relativity and Gravity in*** ***QM***

Blegdamsvej 17, Aud A
2100 Copenhagen Ø Denmark

Thursday 20 June

10:50

Reference Frames, Relativity and Gravity in QM

Session | **Location:** Blegdamsvej 17, Aud A, 2100 Copenhagen Ø Denmark | **Convener:** Ruediger Schack

10:50–11:30

How the world look like for a quantum particle?

Speaker

Caslav Brukner

11:30–12:10

Object-Observer Entanglement and Back-Action Evasion in Continuous Positions Measurements

Speaker

Klemens Hammerer

12:10

Friday 21 June

09:00

Reference Frames, Relativity and Gravity in QM

Session | **Location:** Blegdamsvej 17, Aud A, 2100 Copenhagen Ø Denmark | **Convener:** Eugene Polzik

09:00–09:40

On quantum limits of the idea of knowledge as self-location

Speaker

Thomas Müller

Location

Blegdamsvej 17, Aud A, 2100 Copenhagen Ø Denmark

09:40–10:20

On the role of gravity in table-top quantum experiments

Speaker

Markus Aspelmeyer

Location

Blegdamsvej 17, Aud A, 2100 Copenhagen Ø Denmark

10:20–11:00

Coffee Break

11:00–11:40

Device-independent snapshots

Speaker

Valerio Scarani

Location

Blegdamsvej 17, Aud A, 2100 Copenhagen Ø Denmark

11:40–12:20

Performance of Port-based teleportation

Speaker

Matthias Christandl

Location

Blegdamsvej 17, Aud A, 2100 Copenhagen Ø Denmark

12:20