

Session Program

6-11 Jun 2021



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2021 CAP Virtual Congress / Congrès virtuel de l'ACP 2021

R3-3 Quantum Theory (DTP) / Théorie quantique (DPT)

Underline Conference System

Wednesday 9 June

15:45

R3-3 Quantum Theory (DTP) / Théorie quantique (DPT)

Session | **Location:** Underline Conference System | **Convener:** Hubert de Guise

15:45–15:50 **(I) Markovian dynamics in open quantum systems**

Speaker

Marco Merkli

15:50–15:55 **(I) Schwinger pair production as a non-Hermitian problem**

Speaker

Duncan O'Dell

15:55–15:58 **(G*) Hawking radiation as a quantum caustic**

Speaker

Liam Farrell

15:58–16:01 **Gravitational tidal forces and the equivalence principle**

Speaker

Fayçal Hammad

16:01–16:04

Beyond Semiclassical Physics: Consistent Hybrid Quantum-Classical Dynamics?

Speaker

Mustafa Amin

16:04–16:07 **(G*) Gravitational scattering on quantum superposed states**

Speaker

Mr Victor Massart

16:07–16:30 **Questions/Answers and Discussion Period**

16:30