

Session Program

4-10 Feb 2023



Quantum Information Processing 2023

Parallel 3B

Ghent University, UFO
Sint-Pietersnieuwstraat 33, 9000 Gent

Tuesday 7 February

13:30

Parallel 3B

Session | **Location:** Blandijn, Auditorium 2, Blandijnberg 9000, 9000 Gent

13:30–13:55

Exponentially tighter bounds on error mitigation: hardness at $\log \log (n)$ depth

Speaker

Yihui Quek, Daniel Stilck Franca, Sumeet Khatri, Johannes Jakob Meyer and Jens Eisert.

14:00–14:25

Pauli topological codes from Abelian anyon theories

Speaker

Tyler Ellison, Yu-An Chen, Arpit Dua, Wilbur Shirley, Nathanan Tantivasadakarn and Dominic Williamson.

14:30–14:55

Long-range data transmission in a fault-tolerant quantum bus architecture

Speaker

Shin Ho Choe and Robert Koenig.

15:00