

**quantumTANGO: Quantum  
Information with Top quarks  
and Higgs bosons**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction

*Tuesday 22 November 2022 14:15 (10 minutes)*

**Presenters:** RAVINA, Baptiste (Georg August Universitaet Goettingen (DE)); Dr HOWARTH, James William (University of Glasgow (GB))

Contribution ID: 2

Type: **not specified**

## Theory Q&A / short coffee break

*Tuesday 22 November 2022 15:25 (10 minutes)*

Contribution ID: 3

Type: **not specified**

# Quantum Information with Top quarks

*Tuesday 22 November 2022 14:25 (20 minutes)*

**Presenter:** MUNOZ DE NOVA, Juan Ramon

**Session Classification:** Session 1: Recent Theoretical Developments

Contribution ID: 4

Type: **not specified**

## **Bell's Inequalities in Higgs boson decays**

*Tuesday 22 November 2022 14:45 (20 minutes)*

**Presenters:** BARR, Alan (University of Oxford (GB)); BARR, Alan (University of Oxford (GB))

**Session Classification:** Session 1: Recent Theoretical Developments

Contribution ID: 5

Type: **not specified**

# Quantum Entanglement in Two-Qubit Systems

*Tuesday 22 November 2022 15:05 (20 minutes)*

**Presenters:** FABBRICHESI, Marco (INFN/SISSA); FABBRICHESI, Marco

**Session Classification:** Session 1: Recent Theoretical Developments

Contribution ID: 6

Type: **not specified**

## Machine Learning for Top Reconstruction

*Tuesday 22 November 2022 15:35 (10 minutes)*

**Presenter:** KORN, Steffen (Georg August Universitaet Goettingen (DE))

**Session Classification:** Session 2: Experimental Status at the Large Hadron Collider

Contribution ID: 7

Type: **not specified**

## **Entanglement in the SMEFT and Global Fits**

*Tuesday 22 November 2022 15:45 (10 minutes)*

**Presenters:** MANTANI, Luca (UCLouvain); MANTANI, Luca (DAMTP, University of Cambridge)

**Session Classification:** Session 2: Experimental Status at the Large Hadron Collider



Contribution ID: 8

Type: **not specified**

## Measurements at the ATLAS Experiment

*Tuesday 22 November 2022 15:55 (10 minutes)*

**Presenter:** SIMPSON, Ethan Lewis (University of Glasgow (GB))

**Session Classification:** Session 2: Experimental Status at the Large Hadron Collider

Contribution ID: 9

Type: **not specified**

## Measurements at the CMS Experiment

*Tuesday 22 November 2022 16:05 (10 minutes)*

**Presenter:** WILDRIDGE, Andrew (Purdue University (US))

**Session Classification:** Session 2: Experimental Status at the Large Hadron Collider

Contribution ID: **10**

Type: **not specified**

## **Prospects for Higgs measurements using Charm tagging**

*Tuesday 22 November 2022 16:15 (10 minutes)*

**Presenters:** FABBRI, Federica (University of Glasgow (GB)); Dr HOWARTH, James William (University of Glasgow (GB)); MAURIN, Theo

**Session Classification:** Session 2: Experimental Status at the Large Hadron Collider