

**Technology day (ESPP-NL)**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Arrival with coffee and tea**

*Monday, 27 January 2025 09:30 (30 minutes)*

Contribution ID: 2

Type: **not specified**

## **Block 1**

Contribution ID: 3

Type: **not specified**

## Block 2

Contribution ID: 4

Type: **not specified**

## **Session 3: research areas and experiments complementary to a next collider**

Contribution ID: 5

Type: **not specified**

# Drinks

Contribution ID: 6

Type: **not specified**

## Welcome

*Monday, 27 January 2025 10:00 (5 minutes)*

**Presenter:** D'HONDT, Jorgen (Nikhef)

Contribution ID: 7

Type: **not specified**

## **Updates and news European process**

*Monday, 27 January 2025 10:05 (15 minutes)*

**Presenter:** ABEN, Rosemarie (Nikhef)



Contribution ID: 8

Type: **not specified**

## **Summary of SWOT analysis future scenarios and survey**

**Presenter:** WAALEWIJN, Wouter

Contribution ID: 9

Type: **not specified**

## Overview of future accelerators

**Presenter:** NELLIST, Clara

Contribution ID: **10**

Type: **not specified**

## **Session 1: Physics cases**

Contribution ID: 11

Type: **not specified**

## **Solid State Detectors (DRDD3)**

*Monday, 27 January 2025 13:35 (1 hour)*

**Presenters:** GRELLI, Alessandro; SNOEK, Hella; AKIBA, Kazu; VAN BEUZEKOM, Martin

Contribution ID: 12

Type: **not specified**

## Summaries of the sessions

*Monday, 27 January 2025 16:15 (45 minutes)*

5x5minutes to summarize the afternoon sessions.

Present the statements to be used for the national input / polling

Contribution ID: 13

Type: **not specified**

## Introduction

**Presenter:** WAALEWIJN, Wouter

**Session Classification:** Session 1: Scientific diversity in particle physics experiments

Contribution ID: 14

Type: **not specified**

## **Standard Model Effective Field Theory and PDFs**

**Presenter:** ROJO, Juan

**Session Classification:** Session 1: Scientific diversity in particle physics experiments

Contribution ID: 15

Type: **not specified**

## Dark sectors

**Presenter:** WESTHOFF, Susanne

**Session Classification:** Session 1: Scientific diversity in particle physics experiments



Contribution ID: 16

Type: **not specified**

## **(high density) QCD studies**

**Presenter:** LEEUWEN, Marco van

**Session Classification:** Session 1: Scientific diversity in particle physics experiments

Contribution ID: 17

Type: **not specified**

## Flavour physics

**Presenter:** PERREVOORT, Ann-Kathrin

**Session Classification:** Session 1: Scientific diversity in particle physics experiments

Contribution ID: **18**

Type: **not specified**

## Higgs physics

**Presenter:** FILTHAUT, Frank (Radboud University / Nikhef)

**Session Classification:** Session 1: Scientific diversity in particle physics experiments

Contribution ID: **19**

Type: **not specified**

## **BSM searches**

**Presenter:** HAYES, Robin

**Session Classification:** Session 1: Scientific diversity in particle physics experiments

Contribution ID: 20

Type: **not specified**

## **Connections between gravitational waves and future colliders**

**Presenter:** FREISE, Andreas

**Session Classification:** Session 1: Scientific diversity in particle physics experiments

Contribution ID: 21

Type: **not specified**

## **Discussion on summarizing the physics cases**

**Session Classification:** Session 1: Scientific diversity in particle physics experiments

Contribution ID: 22

Type: **not specified**

## **Discussion on prioritizing the physics cases**

**Session Classification:** Session 1: Scientific diversity in particle physics experiments

Contribution ID: **23**

Type: **not specified**

## **Overview DRDD**

*Monday, 27 January 2025 10:20 (30 minutes)*

**Presenter:** TBD



Contribution ID: 24

Type: **not specified**

## **TGL perspective: MT**

*Monday, 27 January 2025 11:20 (30 minutes)*

**Presenter:** SANDERS, Freek

Contribution ID: 25

Type: **not specified**

## **TGL perspective: ET**

*Monday, 27 January 2025 11:50 (30 minutes)*

**Presenter:** KLUIT, Ruud

Contribution ID: 26

Type: **not specified**

## **Enabling Technologies: Magnets**

*Monday, 27 January 2025 13:05 (30 minutes)*

**Presenter:** VAN OORT, Hans

Contribution ID: 27

Type: **not specified**

## **Quantum and emerging technologies (DRDD5)**

*Monday, 27 January 2025 14:35 (1 hour)*

**Presenter:** VAN BAKEL, Niels

Contribution ID: 28

Type: **not specified**

## **Electronics and Data Processing (DRDD7)**

*Monday, 27 January 2025 13:35 (1 hour)*

**Presenters:** HEIJHOF, Kevin; AAIJ, Roel; KLUIT, Ruud

Contribution ID: 29

Type: **not specified**

## **Co-design, Vertical integration, Artificial Intelligence**

*Monday, 27 January 2025 14:35 (1 hour)*

**Presenters:** GROEP, David; CARON, Sasha

Contribution ID: **30**

Type: **not specified**

**huh**

Contribution ID: **31**

Type: **not specified**

## **Liquid Detectors (DRDD2)**

*Monday, 27 January 2025 13:35 (1 hour)*

**Presenters:** COLIJN, Auke; DECOWSKI, Patrick; DE JONG, Paul; POLLMANN, Tina



Contribution ID: 32

Type: **not specified**

## **Dutch national technology strategy**

*Monday, 27 January 2025 10:50 (30 minutes)*