

**ESS symposium arranged by  
the Royal Swedish Academy of  
Sciences' Physics Class**

**Report of Contributions**

Contribution ID: 2

Type: **not specified**

## **ESS Director General: Overview of ESS; science and project status (25 + 5 minutes)**

*Thursday, 17 November 2022 09:00 (30 minutes)*

**Presenter:** SCHOBER, Helmut (ESS)

**Session Classification:** BLOCK 1: Overview of ESS and MAX IV, the wider impact of the Swedish ESS contribution, the planned Science Village

Contribution ID: 3

Type: **not specified**

## **Director MAX-IV: Overview of MAX-IV (17 + 5 minutes)**

*Thursday, 17 November 2022 09:30 (22 minutes)*

**Presenter:** KARIS, Olof (Lund University)

**Session Classification:** BLOCK 1: Overview of ESS and MAX IV, the wider impact of the Swedish ESS contribution, the planned Science Village

Contribution ID: 4

Type: **not specified**

## **Status of the ESS Accelerator System (17+5 minutes)**

*Thursday, 17 November 2022 09:52 (22 minutes)*

**Presenter:** LINDROOS, Mats (ESS and Lund University)

**Session Classification:** BLOCK 1: Overview of ESS and MAX IV, the wider impact of the Swedish ESS contribution, the planned Science Village

Contribution ID: 5

Type: **not specified**

## **Longterm socio-economic effects of investments in ESS (17+5 minutes)**

*Thursday, 17 November 2022 10:14 (22 minutes)*

**Presenter:** KOKKO, Ari (CBS)

**Session Classification:** BLOCK 1: Overview of ESS and MAX IV, the wider impact of the Swedish ESS contribution, the planned Science Village

Contribution ID: 6

Type: **not specified**

## **Science Village between ESS and MAX-IV (10 + 5 minutes)**

*Thursday, 17 November 2022 10:36 (15 minutes)*

**Presenter:** KINHULT, Pia (ESS)

**Session Classification:** BLOCK 1: Overview of ESS and MAX IV, the wider impact of the Swedish ESS contribution, the planned Science Village

Contribution ID: 7

Type: **not specified**

## **Probing material structures, dynamics and functionality with ESS instrumentation (25 + 5 minutes)**

*Thursday, 17 November 2022 11:10 (30 minutes)*

**Presenter:** DEEN, Pascale (ESS)

**Session Classification:** BLOCK 2: The ESS main programme of research using neutrons

Contribution ID: 8

Type: **not specified**

## **Quantum Materials (17 + 5 minutes)**

*Thursday, 17 November 2022 11:40 (22 minutes)*

**Presenter:** MÅNSSON, Martin (KTH)

**Session Classification:** BLOCK 2: The ESS main programme of research using neutrons



Contribution ID: 9

Type: **not specified**

## **Power-to-X; Observing Energy Conversion Live (17 + 5 minutes)**

*Thursday, 17 November 2022 12:02 (22 minutes)*

**Presenter:** THEIL KUHN, Luise (DTU and ESS Scientific Advisory Committee)

**Session Classification:** BLOCK 2: The ESS main programme of research using neutrons

Contribution ID: **10**

Type: **not specified**

## **Neutrons for Integrative Studies of Biological and Biomedical Systems (17 + 5 minutes)**

*Thursday, 17 November 2022 12:24 (22 minutes)*

**Presenter:** FORSYTH, Trevor (Medical Faculty Lund University & Director of LINXS)

**Session Classification:** BLOCK 2: The ESS main programme of research using neutrons

Contribution ID: 11

Type: **not specified**

## **Northern Lights on Food? (17 + 5 minutes)**

*Thursday, 17 November 2022 12:46 (22 minutes)*

**Presenter:** NYLANDER, Tommy (Lund University)

**Session Classification:** BLOCK 2: The ESS main programme of research using neutrons

Contribution ID: 12

Type: **not specified**

## **Overview of the ESS fundamental physics possibilities (25 + 5 minutes)**

*Thursday, 17 November 2022 14:10 (30 minutes)*

**Presenter:** SANTORO, Valentina (ESS)

**Session Classification:** BLOCK 3: Fundamental physics at ESS

Contribution ID: 13

Type: **not specified**

## **Search for anti-neutrons using neutrons: $n\bar{n}$ and HIBEAM (17 + 5 minutes)**

*Thursday, 17 November 2022 14:40 (22 minutes)*

**Presenter:** MILSTEAD, David (Stockholm University)

**Session Classification:** BLOCK 3: Fundamental physics at ESS

Contribution ID: 14

Type: **not specified**

## **Coherent Neutrino Scattering at ESS (17 + 5 minutes)**

*Thursday, 17 November 2022 15:02 (22 minutes)*

**Presenter:** LYTKEN, Else (Lund University)

**Session Classification:** BLOCK 3: Fundamental physics at ESS

Contribution ID: 15

Type: **not specified**

## **The H2020 Design Study ESSnuSB: An intense neutrino beam produced by ESS and the detectors using it. (17 + 5 minutes)**

*Thursday, 17 November 2022 15:24 (22 minutes)*

**Presenter:** EKELÖF, Tord (Uppsala University)

**Session Classification:** BLOCK 3: Fundamental physics at ESS