

**ALBA II Workshop on  
Scientific and Instrumental  
Advances in High Pressure  
techniques**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction

*Thursday, 28 October 2021 09:00 (15 minutes)*

**Presenter:** ATTENKOFER, Klaus (Alba - Cells)

Contribution ID: 2

Type: **not specified**

## **High Pressure Science on synchrotron source**

*Thursday, 28 October 2021 09:15 (25 minutes)*

**Presenter:** MCMAHON, Malcolm (School of Physics and Astronomy - University of Edinburgh)

Contribution ID: 3

Type: **not specified**

## **XRD under extreme pressures**

*Thursday, 28 October 2021 09:40 (25 minutes)*

**Presenter:** GARBARINO, Gaston (ESRF Synchrotron)

Contribution ID: 4

Type: **not specified**

## **Infrared spectroscopy at high pressures**

*Thursday, 28 October 2021 10:05 (25 minutes)*

**Presenter:** CAPITANI, Francesco (Soleil synchrotron)

Contribution ID: 5

Type: **not specified**

## **More synchrotron techniques for DAC**

*Thursday, 28 October 2021 10:30 (25 minutes)*

**Presenter:** PETITGIRARD, Sylvain (ETH Zurich)

Contribution ID: 6

Type: **not specified**

## **Complex hydrogen-based structures**

*Thursday, 28 October 2021 11:10 (25 minutes)*

**Presenter:** PENA ALVAREZ, Miriam

Contribution ID: 7

Type: **not specified**

## **Metal iodates under pressure**

*Thursday, 28 October 2021 11:35 (25 minutes)*

**Presenter:** ERRANDONEA, Daniel (Universidad de Valencia)

Contribution ID: 8

Type: **not specified**

## **Stability of van der Waals heterostructures under compression**

*Thursday, 28 October 2021 12:00 (25 minutes)*

**Presenter:** SANS, Juan Angel (Universidad Politecnica de Valencia)

Contribution ID: 9

Type: **not specified**

## **Multiferroic materials under pressure by spectroscopy techniques**

*Thursday, 28 October 2021 12:25 (25 minutes)*

**Presenter:** CUARTERO, Vera (Universidad de Zaragoza)

Contribution ID: **10**

Type: **not specified**

## **Ca-bearing carbonate minerals at HP-HT conditions**

*Thursday, 28 October 2021 14:10 (25 minutes)*

**Presenter:** SANTAMARIA, David (Universidad de Valencia)

Contribution ID: 11

Type: **not specified**

## **High pressure fluid geochemistry in the diamond anvil cell**

*Thursday, 28 October 2021 14:35 (25 minutes)*

**Presenter:** SANCHEZ VALLE, Carmen (Institut für Mineralogie - University of Munster)

Contribution ID: 12

Type: **not specified**

## **The storage, chemistry and transportation of water in Earth's deep lower mantle**

*Thursday, 28 October 2021 15:00 (25 minutes)*

**Presenter:** HU, Qingyang (HPSTAR)

Contribution ID: 13

Type: **not specified**

## **Physical properties of Earth core**

*Thursday, 28 October 2021 15:25 (25 minutes)*

**Presenter:** MORARD, Guillaume (University Grenoble-Alpes)

Contribution ID: 14

Type: **not specified**

## **Round table - open discussions**

*Thursday, 28 October 2021 16:05 (1h 55m)*