

**Session Program**

**16-19 May 2022**

**International Workshop on Breakdown  
Science and High Gradient Technology  
(HG2022)**

***HG Structure***

## Tuesday 17 May

15:00

### HG Structure: TUE-1

**Session** | **Location:** | **Convener:** Wencheng Fang

15:00–15:20 **High Gradient Linac for High Intensity Positron Production**

**Speaker**

Yoshinori Enomoto

15:20–15:40 **X-band deflector test results at X-BOX3**

**Speaker**

Jianhao Tan

15:40–16:00 **Updates on structures for CEPC and HEPS**

**Speaker**

Jingru Zhang

16:00–16:20 **X-band Linacs in AWAKE**

**Speaker**

Steffen Doebert

16:20–16:40 **C-band Photocathode gun testing**

**Speaker**

Cheng Wang

16:40–17:00

**X-band linac and optimized accelerating structures of the CompactLight project**

**Speaker**

Marco Diomedè

17:00

17:10

### HG Structure: TUE-2

**Session** | **Location:** | **Conveners:** Gerardo D'Auria, Gerardo D'Auria

17:10–17:30

**Recent Results on S and C band high gradient/high repetition rate RF Guns design, construction and test**

**Speaker**

David Alesini

17:30–17:50

**Progress of accelerator system for the VIGAS project in Tsinghua University**

**Speaker**

Gao Qiang

17:50–18:10

**Demonstration of Gradient above 300MV/m in short pulse regime using an X-band single-cell structure**

**Speaker**

Jiahang Shao

18:10-18:30

**Commissioning results of the ASU CXLS kHz repetition rate X-band photoinjector and linac**

**Speaker**

William Graves

18:30-18:50

**Metamaterial structures for High-Gradient Wakefield Acceleration**

**Speaker**

Xueying Lu

18:50

# Thursday 19 May

17:10

## HG Structure: THU-2

Session | Location: | Convener: Evgenya Simakov

17:10-17:30

### Development and high power testing of an APF IH-DTL for the muon linac

**Speaker**

Yuga Nakazawa

17:30-17:50

### High-performance RFQ development

**Speaker**

Alexej Grudiev

17:50-18:10

### High Power Test Results of X-Band Dielectric Disk Accelerating Structures

**Speaker**

Ben Freemire

18:10-18:30

### Development of a THz-driven field emission electron gun

**Speaker**

Elliot claveau

18:30-18:50

### Design of a corrugated waveguide for a high gradient wakefield accelerator

**Speaker**

Sasha Siy

18:50