Session Program

28 February 2022 to 4 March 2022

Workshop for Applied Nuclear Data Activities (WANDA 2022) [FINAL]

Session Two

Cisco WebEx (Virtually)

Tuesday 1 March

12:30

Session Two: Nuclear Data for High Energy Ion Interactions and Secondary Particle Production

Session | **Location:** Cisco WebEx (Virtually) | **Conveners:**
Ramona Vogt (LLNL/UC Davis), Michael Smith (ORNL), Kenneth LaBel (KBR WYLE/SSAI)

12:30–12:35   Logistical introduction

Speaker
Ramona Vogt (LLNL/UC Davis)

12:35–12:55   Technical introduction

Speaker
Francis Cucinotta (UNLV)

12:55–13:20

DDFRG: Double Differential FRaGmentation models for proton and light ion production in high energy nuclear collisions: Closed-form, analytic formulas for transport codes and other applications

Speaker
John Norbury (NASA)

13:20–13:35   Code-based modeling

Speaker
Zi-Wei Lin (ECU)

13:35–13:50   Spacecraft-based modeling

Speaker
Insoo Jun (NASA/JPL)

13:50–14:00   Modeling Panel Discussion

Speakers
Insoo Jun (NASA/JPL), John Norbury (NASA, Zi-Wei Lin (ECU)

14:00–14:15   ESA/NASA/GSI database

Speaker
Francesca Luoni (GSI)

14:15–14:25   US Nuclear Data Program databases

Speaker
David Brown (NNDC/BNL)

14:25–14:35   Databases Panel Discussion

Speakers
David Brown (NNNDC/BNL), Francesca Luoni (GSI)

14:35–14:50   Break

14:50–15:05   US facilities (except RHIC)

Speaker

Ken LaBel (SSAI (NASA) and KBR Wyle (JHU/APL))

15:05–15:20 **European facilities**

Speaker

Anastasia Pesce (ESA)

15:20–15:28 **RHIC**

Speaker

Daniel Cebra (UC Davis)

15:28–15:40 **Experimental Panel Discussion**

Speakers

Anastasia Pesce (ESA), Daneil Cebra (UC Davis), Ken LaBel (KBR Wyle/SSAI), Larry Phair (LBNL)

15:40–15:45 **Introduction to applications**

Speaker

Michael Smith (ORNL)

15:45–16:00 **Semiconductors**

Speaker

Robert Reed (VU)

16:10–16:25 **Applications Panel Discussion**

Speakers

Larry Phair (LBNL), Nicholas Remmes, Robert Reed (VU), Ruben Garcia Alia (CERN)

16:25–16:30

Importance of nuclear models and Monte Carlo tools for radiation effects simulations

Speaker

Ruben Garcia Alla

16:30–16:35 **Summary and Final Questions and Comments**

16:35