

Session Program

10-11 Dec 2019



MLZ User Meeting 2019

Positrons

Marriott, Marriott Conference room - Munich
Berliner Str. 93 80805 München Germany

Tuesday 10 December

13:00

Positrons: Positrons I

Session | **Location:** Marriott, Marriott Conference room - Munich, Berliner Str. 93 80805 München Germany

13:00-13:15

Status of the Positron Beam Facility and New Developments at NEPOMUC

Speaker

Prof. Christoph Hugenschmidt

13:15-13:40

Vacancy-type defects in ion-implanted GaN probed by monoenergetic positron beams

Speaker

Akira Uedono

13:40-14:05

Evolution of vacancies in thin film solar cells and in photochromic yttrium oxyhydride revealed by in-situ positron annihilation spectroscopy

Speaker

Stephan Eijt

14:05-14:30

The pulsed positron beams PLEPS and SPM for defect profiling with positron lifetime measurements at NEPOMUC: applications and developments

Speaker

Werner Egger

14:30

15:00

Positrons: Positrons II

Session | **Location:** Marriott, Marriott Conference room - Munich, Berliner Str. 93 80805 München Germany

15:00-15:15

The Coincident Doppler-Broadening Spectrometer at NEPOMUC

Speakers

Vassily Vadimovitch Burwitz, Leon Chryssos, Lucian Mathes

15:15-15:40

Studies of thin film with NEPOMUC apparatuses: free volume and gas transport properties in biopolymers, defects in SiO₂, UO₂, ZnO oxides.

Speaker

Roberto Brusa

15:40-16:05

Results from Actual Studies using Pulsed Low Energy Positron Systems

Speaker

Prof. Vladimir Slugen

16:05-16:30

Positron-Electron Plasma - toward creation and study of a novel physical system using the NEPOMUC facility

16:30	Speaker Matthew Stoneking
17:00	Positrons: Positrons III Session Location: Marriott, Marriott Conference room - Munich, Berliner Str. 93 80805 München Germany
	17:00-17:15 Upgrade of the NEPOMUC remoderator Speaker Dr Marcel Dickmann
	17:15-17:40 Addition of a buffer-gas trap system to the NEPOMUC positron beam line Speaker Dr E. V. Stenson
18:00	17:40-18:00 Summary