

**Session Program**

**14-17 Sept 2021**

**The 40th International Symposium on Physics  
in Collision 2021**

***Posters***

Aachen, Germany, Lecture Hall  
C.A.R.L, Claßenstraße 11, 52072 Aachen, Germany

# Wednesday 15 September

16:15

## Posters: Poster Session

**Session** | **Location:** Aachen, Germany, Lecture Hall, C.A.R.L, Claßenstraße 11, 52072 Aachen, Germany

16:15–16:35 **b jet identification at the CMS High Level Trigger at the HL-LHC**

**Speaker**

Mr Sebastian Wuchterl

16:15–16:35

**Measurement of the CP-violating phase  $-\phi_s$  in  $B_0^0 \rightarrow J/\psi \phi$  at ATLAS**

**Speaker**

Mr Lukas Novotny

16:15–16:35

**First differential cross section measurement of the associated production of a single top quark and a Z boson at the CMS Experiment**

**Speaker**

Ms Federica Colombina

16:35–16:55

**Belle II Alignment in 2021 Data Reprocessing**

**Speaker**

Mr Tadeas Bilka

16:35–16:55

**Background reduction via angular-selective electron detection at KATRIN**

**Speaker**

Ms Sonja Schneidewind

16:35–16:55

**OSIRIS Subsystem des JUNO Experiments**

**Speaker**

Mr Oliver Pilarczyk

16:55–17:15

**Physics potential of the JUNO experiment**

**Speaker**

Mr Kampmann Philipp

16:55–17:15

**Search for keV-scale Sterile Neutrinos with first KATRIN Data**

**Speaker**

Mr Anton Huber

16:55–17:15

**First directional detection of sub-MeV solar neutrinos in the liquid scintillator detector by Borexino**

**Speaker**

Ms Apeksha Singhal

17:15–17:35

**First Experimental Evidence of CNO Cycle Solar Neutrinos by Borexino**

**Speaker**  
Mr Ömer Penek

17:15-17:35

**LUXE: A new experiment to study non-perturbative QED in electron-LASER and photon-LASER collisions**

**Speakers**  
Ms Jenny List, Mr John Hallford

17:15-17:35

**Towards a Software-Adaptable Receiver Chain for Particle Detectors**

**Speaker**  
Mr Florian Rössing

17:35-17:55

**The T2K ND280 upgrade**

**Speaker**  
Mr Nick Thamm

17:35-17:55

**Characterization of the JUNO Large-PMT readout electronics**

**Speaker**  
Ms Katharina von Sturm

17:55