

# SWEDISH NUCLEAR PHYSICS MEETING 2019

Wednesday 23/10		Thursday 24/10		Friday 25/10		
9 - 10		Chair: C. FAHLANDER	9:30 R. LIOTTA "Selected topics in recent developments in particle decay" (35+10)	Chair: P. GOLUBEV	9:30 L. D. S. MATIAS "Radiation field in the vicinity of a Leksell gamma knife" (25+5)  10:00 G. PEDEHONTAA-HIAA "Independent zero point assessment around Astavets nuclear power plant" (15+5)	
10-11			10:15 D. COX "TASISpec Towards Lunderium" (15+5)  10:35 Coffee break (25)		10:20 J. WALLENUS "The next generation of Nuclear Power: Smaller and possibly cheaper ?" (35+10)	
11-12		Chair: A. HEINZ	11:00 A. SÅMARK-ROTH "Spectroscopy along Flerovium decay chain" (15+5)  11:20 M. ALBERTSSON "Fission of Superheavy nuclei" (15+5)  11:40 Z. GAO "Isomeric yield ratios measurement at IGISOL in 2019" (15+5)	Chair: J. CEDERKÄLL	11:05 Coffee break (25)  11:30 I. LEHMANN "Current status of FAIR" (30+5)	
12-13			12:00 Lunch		12:05 A. HERLERT "Present status of NUSTAR" (30+5)  12:40 N. OTTOSSON "VR-RFI, VR's view of infrastructures in general and FAIR in particular" (15+5)	
13-14	Chair: A. EKSTRÖM	13:10 Intro  13:15 J. BIJNENS "The muons anomalous magnetic moment" (35+10)	Chair: C. FORSSÉN	13:30 J. LJUNGBERG "Calculation of heavy nuclei with symmetry restoration" (15+5)  13:50 C. YANG "New developments on effective field theory approach to nuclear structure and nuclear matter" (25+5)		13:00 Lunch
14-15		14:00 T. VITOS "Electromagnetic form factors of the Sigma-3/2 to Lambda transition" (25+5)  14:30 I. SVENSSON "Bayesian parameter estimation for chiral effective field theory using Hamiltonian Monte Carlo" (15+5)  14:50 Coffee break (30)		14:20 J. PARK "The structure of 100In - present knowledge and future aims" (15+5)  14:40 Coffee break (35)		14:00 S-FAIR Board Meeting (closed session, Room: H422)
15-16	Chair: L. SARMIENTO	15:20 J. REGINA "Time-based Hit Clusterization for Track Reconstruction at PANDA at FAIR" (15+5)  15:40 A. AKRAM "Deep Learning Techniques for Track Reconstruction in PANDA Experiment" (15+5)	Chair: G. CARLSSON	15:15 H. FYNBO "Nuclear astrophysics studies using beta-decays of light Nuclei" (35+10)		
16-17		16:00 E. ROFORS, "Characterization of solid state Neutron detectors using low-current proton beam" (25+5)  16:30 Break (10)  16:40 M. KRISTENSSON "The Pulsed Accelerator Driven Neutron Source of the Lund Neutronics Group - status and simulations" (15+5)		16:00 T. DJÄRV "Three-nucleon forces in nuclear physics simulations" (25+5)  16:30 S. MILLER "Bayesian Analysis of Chiral Effective Field Theory: Solving the Lippmann-Schwinger Equation on a Graphics Processing Unit" (15+5)		
17-18		17:00 H. JOHANSSON "Fakernet - minimalist TCP and UDP on FPGA" (15+5)  17:20 A. KNYAZEV "The current status of the CALIFA Barrel project" (15+5)  17:40 D. WÖLBING "Response of the forward endcap EMC to photons below 100 MeV." (15+5)		16:50 Nuclear physics section meeting		
18-19						
19 -				19:00 Dinner Party (Kulturen*)		

All sessions in: Hall K404, Fysicum, Sölvegatan 14 A Lund

\* Kulturen, Tegnérplatsen 6, Lund