



RECENT RESULTS & PERSPECTIVES AT FIPPS

3-5 APRIL 2019 | MĂGURELE, ROMANIA



IFIN-HH National Physics Library ([map](#))

WEDNESDAY APRIL 3RD

Session 1 – Introduction | Chair N. Marginean

- 13h00-14h15 Welcome & Registration (buffet lunch)
- 14h15-14h30 N. Marginean, Workshop Introduction - 15"
- 14h30-15h00 N. Zamfir, IFIN + ELI-NP (title tbc) - 25" + 5"
- 15h00-15h30 H. Schober, Science at the ILL, 25" + 5"
- 15h30-15h50 C. Mihai, Nuclear structure studies at the Bucharest Tandem accelerator - 15" + 5"
- 15h50-16h10 C. Michelagnoli, The FIPPS instrument: first results and future perspectives - 15" + 5"
- 16h10-16h30 Coffee

Session 2 – Physics Results and Perspectives part 1/2 | Chair B. Fornal, U. Köster

- 16h30-16h55 S. Leoni, Towards a profound understanding of the microscopic origin of nuclear deformation: the joint IFIN-HH and ILL experimental program - 20" + 5"
- 16h55-17h15 N. Cieplicka, Low-spin excitations of one-proton-hole, one-neutron-hole nucleus ^{206}Tl studied in thermal neutron capture reactions - 15" + 5"
- 17h15-17h35 L. Iskra, Gamma spectroscopy of neutron-rich isotopes in the $A=100$ region produced in fission induced by cold neutrons with the new FIPPS array - 15" + 5"
- 17h35-18h00 F. Kandzia, First active target fission campaign at FIPPS, 20" + 5"
- 19h30-22h00 Workshop Dinner

THURSDAY APRIL 4TH

Session 1 – Physics Results and Perspectives part 2/2 | Chair T. Kröll

- 8h45-9h10 A. Petrovici, Exotic structure and dynamics in neutron-rich $A \sim 100$ nuclei - 20" + 5"
- 9h10-9h30 S. Pascu, Complementary study of double octupole states in ^{150}Sm - 15" + 5"
- 9h30-9h50 M. von Tresckow, Search for isovector octupole states in ^{146}Nd - 15" + 5"
- 9h50-10h10 S. Bottoni, Search for quasi-particle states in ^{45}Ca by neutron-capture reactions and high-resolution gamma-ray spectroscopy - 15" + 5"
- 10h10-10h30 F. Crespi, GRIDSA: Femtosecond Lifetime Measurements with Germanium Detector Arrays - 15" + 5"
- 10h30-11h Coffee

Session 2 – Fission Studies. Techniques and Instrumentation part 1/2 | Chair S. Leoni

- 11h00-11h20 T. Materna, Fission studies with EXILL and FIPPS. Coupling FIPPS to one arm of the fission fragment spectrometer FALSTAFF - 15" + 5"
- 11h20-11h40 A. Chebubbi, Study of fission fragment isomeric ratios with the LOHENGRIN spectrometer - 15" + 5"
- 11h40-12h00 R. Lica, The ISOLDE Decay Station: overview and future developments, 15" + 5"
- 12h00-12h20 A. Olacel, Neutron and proton inelastic scattering: cross-section measurements - 15" + 5"
- 12h20-12h50 U. Koester, Rare targets for FIPPS experiments - 15" + 5"
- 12h50-13h50 Buffet Lunch
- 14h00-16h30 ELI-NP/IFIN-HH guided visit
- 16h30-17h00 Coffee
- 17h00-19h00 Data analysis: open discussion
- 19h00-20h30 Buffet Dinner

FRIDAY APRIL 5TH

Session 1 –Techniques and Instrumentation part 2/2 | Chair M. Jentschel

- 8h30-8h50 J. Wisniewski, Angular correlations and direct linear polarization measurements with the FIPPS instrument - 15" + 5"
- 8h50-9h10 L. Knafla, Fast timing experiments using the FIPPS spectrometer - 15" + 5"
- 9h10-9h30 C. Mihai, Development of custom SiPM readout for LaBr3 crystals - 15" + 5"
- 9h30-09h50 J. Rodriguez-Muras, Digital coincidence study with SiPm for nuclear structure studies - 15" + 5"
- 9h50-10h15 M. Lebois, Prompt and delayed spectroscopy of fission fragments from $^{238}\text{U}(n,f)$ and $^{232}\text{Th}(n,f)$ reactions with nuball/licorne - 20" + 5"
- 10h15-10h45 Coffee

Session 2 –Techniques and Instrumentation part 3 | Chair M. Stanoiu

- 10h45-11h05 YH-Kim, Development of Gas Filled Magnet for FIPPS phase 2 - 15" + 5"
- 11h05-11h25 A. Dhari, ELIADe: A state of the art facility for NRF studies - 15" + 5"
- 11h25-11h35 S. Monfront, The FILL2030 project at ILL - 8"+2"
- 11h35-11h45 Concluding remarks (C. Mihai/C. Michelagnoli) - 10"
- 11h45-13h00 Buffet Lunch & Departure