

Program ALTO 2.0

Monday February 5th, 2018

08h45-09h15: Registration

09h20-09h30: Welcome (M. Guidal, Director of IPN)

09h30-09h40: Framework of ALTO 2.0 (F. Ibrahim, IPN)

09h40-12h20 Session I: Nuclear Structure1 (Chair: D. Verney, IPN)

09h40-10h00: Beta delayed neutron spectroscopy at ALTO (A. Gottardo, INFN, Legnaro)

10h-10h20: TETRA physics program at ALTO (D. Testov, Univ. Padova)

10h20-10h40: Coffee Break

10h40-11h: Beta-delayed gamma, electron spectroscopy and fast-timing at ALTO (I. Deloncle, CSNSM)

11h-11h20: Mass and in-trap spectroscopy measurements with MLL-Trap at ALTO (E. Minaya, IPN)

11h20-11h40: Laser spectroscopy at ALTO (D. Yordanov, IPN)

11h40-12h: Low Temperature Nuclear Orientation at ALTO (C. Gaulard, CSNSM)

12h-12h20: Round table Nuclear Structure1 (D. Verney, IPN)

12h20-14h Lunch

14h-15h20 Session II: Nuclear dynamics and fission (Chair: E. Vardaci, INFN, Napoli)

14h-14h20: Surrogate reaction program at ALTO (B. Jurado, CENBG)

14h20-14h40: LICORNE physics program at ALTO (J. Wilson, IPN)

14h40-15h: CORSET physics program and future perspectives at ALTO (E. Kozulin, JINR, Dubna)

15h-15h20: Round table Nuclear dynamics and fission (E. Vardaci, INFN, Napoli)

15h20-15h40: Coffee break

15h40-17h20 Session III: Ion Matter Interactions (Chair: K. Beroff, ISMO)

15h40-16h00: Influence of temperature and high electronic energy deposition on Mo migration in UO₂ (L. Sarrasin, IPNL)

16h00-16h20: From ALTO to Andromède (S. Della Negra, IPN)

16h20-16h40: Atom molecule collisions at ALTO (M. Chabot, IPN)

16h40-17h00: Irradiation of carboneous material for astrophysics (T. Pino, ISMO)

17h-17h20: Round table Ion Matter Interactions (K. Beroff, ISMO)

17h30-18h00: Welcome of representatives from regional and national institutions

18h00-20h00: Visit to ALTO and welcome cocktail

Tuesday February 6th, 2018

08h30-10h30: Session IV: Nuclear Structure2 (Chair: A. Gottardo, INFN, Legnaro)

08h30-08h50: Prompt gamma spectroscopy at ALTO from Orgam to nuball (M. Lebois, IPN)

08h50-09h10: Life time measurements at ALTO: plunger and fast timing (J. Ljungvall, CSNSM)

09h10-09h30: Gamma spectroscopy on line with tandem beams: a possible program beyond NuBall (S. Leoni, Univ. Milano)

09h30-09h50: TAS program at ALTO (V. Guadilla, Subatech, Nantes)

09h50-10h10: Electron scattering with RIB at ALTO (D. Verney, IPN)

10h10-10h30: Round table Nuclear Structure2 (A. Gottardo, INFN, Legnaro)

10h30-10h50: Coffee Break

10h30-12h30: Session V: Nuclear astrophysics (Chair F. Hammache, IPN)

10h50-11h10: BBN and cosmic ray nucleosynthesis studies at ALTO (J. Kiener, CSNSM)

11h10-11h30: Stellar nucleosynthesis studies at ALTO (N. De Séréville, IPN)

11h30-11h50: Nuclear astrophysics prospects with stable beams (P. Adsley, IPN)

11h50-12h10: Nuclear astrophysics prospects with radioactive beams (B. Bastin, GANIL)

12h10-12h30: Round table Nuclear astrophysics (F. Hammache, IPN)

12h30-14h20: Lunch

14h20-16h20: Session VI: Diverse Physics: from cosmology to applications (Chair A. Gentils, CSNSM)

14h20-14h40: Detector characterization at ALTO for Dark Matter search (D. Franco, APC)

14h40-15h00: Characterizing space mission detectors and focal plane elements with ALTO (S. Stever, IAS)

15h00-15h20: Investigation of radioisotope production by photonuclear reactions at ALTO (L. Ménard, IMNC)

15h20-15h40: Generation of spin polarized positron beams (Ch. Hugenschmidt, TUM, München)

15h40-16h00: Round table Diverse Physics (A. Gentils, CSNSM)

16h00-16h20: Coffee Break

16h20-18h00: Session VII: ALTO within national and international landscape (Chair: S. Grévy, CENBG)

16h20-16h40: ALTO in the refoundation of the Orsay Laboratories (A. Stocchi, LAL)

16h40-17h00: ALTO in the national strategy (F. Farget, IN2P3)

17h00-17h20: ALTO in EURISOL DF and in Europe (M. Lewitowicz, GANIL, NUPPEC)

17h20-17h40: ALTO in Paris-Saclay University (T. Suomijarvi, IPN)

17h40-18h00: round table ALTO within national and international landscape (S. Grévy, CENBG)

20h: Dinner at "Bouillon Racine" in Paris

Wednesday February 7th, 2018

08h30-10h50: Session VIII: Reliability of radioactive beams (Chair: A. Said, IPN)

08h30-08h50: Fiabilité de l'accélérateur linéaire d'électrons d'ALTO (H. Bzyl, IPN)

08h50-09h10: Reliability of accelerators at ISOLDE (J. Rodriguez, CERN)

09h10-09h30: R&D on Targets and Ions Sources at ALTO (M. Cheikh Mhamed, IPN)

09h30-09h50: Séparateurs et lignes de faisceaux radioactifs à ALTO (S. Semsoum, IPN)

09h50-10h10: Coffee Break

10h10-10h30: Instrumentation at ALTO for radioactive beams (F. Ibrahim, IPN)

10h30-10h50: Round table reliability of radioactive beams (A. Said, IPN)

10h50-12h10: Session IX: Reliability of stable beams (Chair M. Cheikh Mhamed, IPN)

10h50-11h10: Fiabilisation de l'accélérateur Tandem (A. Said, IPN)

11h10-11h30: Instrumentation at ALTO for stable beams (M. Lebois, IPN)

11h30-11h50: Round table Reliability of stable beams (M. Cheikh Mhamed, IPN)

11h50-14h: Lunch

14h-16h00: Session X: R&D studies at ALTO (Chair: P. Delahaye, GANIL)

14h00-14h20: RIALTO, the laser ion source at ALTO (F. Le Blanc, IPN)

14h20-14h40: RILIS at ISOLDE v/s ALTO (B. Marsh, CERN)

14h40-15h00: R&D on target and ion sources for fusion evaporation at GANIL and ALTO (P. Jardin, GANIL)

15h-15h20: R&D on New RIB development at ALTO (M. Cheikh Mhamed, IPN)

15h20-15h45: Advanced instrumentation for neutron and conversion-electron detection at ALTO (G. Hull and B. Genolini, IPN)

15h45-16h05: Round table R&D studies at ALTO (P. Delahaye, GANIL)

16h05-16h20: Coffee Break

16h20-17h20: Session XI: Interaction with other divisions and services (Chair: B. Genolini)

16h20-16h40: Valorization and industrial services at ALTO (A. Said, IPN)

16h40-17h00: Network, acquisition, data storage and processing for ALTO (V. Lafage, IPN)

17h00-17h20: Sécurité et dossiers ASN (J. F. Le Du, IPN)

17h20-17h40: Round table interaction with other divisions and services (B. Genolini, IPN)

17h40-18h00: Conclusion and next step (F. Ibrahim, IPN)