INTERNATIONAL WORKSHOP ON
FEW-BODY SYSTEMS
(FBS-Dubna-2012)
BLTP, JINR, Dubna, Russia, June 27 – 29, 2012

LIST OF SPEAKERS AND TALKS

1. V. B. Belyaev (JINR, Dubna), *Rate of the $p+p+e \to d+\nu$ reaction at the center of Sun conditions*
2. Y. M. Bidasyuk (Kiev, Ukraine), *Near-threshold behavior of three-particle systems in s- and p-states*
3. L. D. Blokhintsev (Moscow, Russia), *Analytic continuation of effective range expansion as a method to obtain bound state characteristics. Application to ^6Li*
4. M. Cerkaski (JINR, Dubna & Krakow, Poland), *Correlation effects in two-body systems in a magnetic field*
5. M. A. Efremov (Moscow, Russia & Ulm, Germany), *Novel resonant states in three-body problem*
6. V. Efros (Moscow, Russia), *Some relativistic aspects of few-body dynamics in electrodisintegration of trinucleons*
7. I. A. Egorova (JINR, Dubna), *Three-body correlations in ^6Be studied in knockout and charge exchange reactions*
8. S. N. Ershov (JINR, Dubna), *New method for a solution of coupled radial Schrödinger equations: Applications to halo-nuclei*
9. S. I. Fedotov (JINR, Dubna), *Transformations of the three-body pseudo-vector ($L^P = 1^+$) hyper-spherical harmonics*
10. L. V. Grigorenko (JINR, Dubna), *Studies of few-body dynamics in dripline nuclei at FLNR*
11. B. E. Grinyuk (Kiev, Ukraine), *Structure properties of the four-cluster nuclei ^{10}Be and ^{10}C*
12. T. Grozdanov (Belgrade, Serbia), *Low-energy $H^+ + H_2$ reactive collisions: Role of permutation symmetry in mean-potential statistical model*

13. A. A. Gusev (JINR, Dubna), *Resonant tunneling of the few bound particles through repulsive barriers*

14. O. I. Kartavtsev (JINR, Dubna), *Recent investigations of the two-component three-fermion system in the universal limit of zero-range interactions*

15. E. A. Kolganova (JINR, Dubna), *The ^4He trimer as an Efimov system*

16. K. A. Kouzakov (Moscow, Russia), *A puzzle of the $C^{6+} + He \to C^{6+} + He^{+} + e$ experiment*

17. V. I. Kukulin (Moscow, Russia), *New way in description of few-body scattering*

18. M. L. Lekala (Pretoria, South Africa), *The double-Λ hypernucleus $^{11}_{\Lambda\Lambda}Be$*

19. S. B. Levin (St. Petersburg, Russia), *The system of three three-dimensional charged quantum particles: Asymptotic behavior of the continuous spectrum eigenfunctions at infinity*

20. V. V. Lyuboshitz (JINR, Dubna), *Low-energy elastic scattering of a polarized neutron on a polarized deuteron*

21. A. I. Machavariani (JINR, Dubna & Tbilisi, Georgia), *Two-body and three-body field theoretical equations with and without quark-gluon degrees of freedom*

22. V. S. Melezhik (JINR, Dubna), *Low-dimensional few-body physics in atomic traps*

23. A. K. Motovilov (JINR, Dubna), *A priori bounds on variation of the spectrum and spectral subspaces of few-body Hamiltonians*

24. Y. V. Orlov (Moscow, Russia), *The effective-range theory application to study the nuclear vertex constants for bound and resonant states of the lightest nuclei up to ^8Be*

25. F. M. Pen'kov (Almaty, Kazakhstan), *Differential equations for the recombination amplitude in three bosons system with zero-range pair potentials*

26. B. Pons (Bordeaux, France), *Self-consistent Bohmian description of strong field-driven electron dynamics*

27. Y. Popov (Moscow, Russia), *Square-integrable bases in the many-body Coulomb scattering problem*

28. V. V. Pupyshev (JINR, Dubna), *Elastic scattering of a quantum particle by a central potential*

29. J. Révai (Budapest, Hungary), *Signature of the $\Lambda(1405)$ resonance in neutron spectra from the $K^- + d$ reaction*

30. O. A. Rubtsova (Moscow, Russia), *New treatment of the multi-channel continuum via the discrete spectral shift formalism*

31. W. Sandhas (Bonn, Germany), *The AGS equations*

32. N. V. Shevchenko (Řež, Czech Republic), *Antikaonic three-body systems*

33. I. I. Shlyk (JINR, Dubna), *Low energy φ-meson-deuteron scattering in frame of the AGS equations*

34. E. A. Solov'ev (JINR, Dubna), *Discrete representation for ionization process in three-body problem*

35. S. I. Vinitsky (JINR, Dubna), *Resonant scattering for charged particles produced by confining environment*

36. S. L. Yakovlev (St. Petersburg, Russia), *Zero-range potential for charged particles*

37. P. I. Zarubin (JINR, Dubna), *"Tomography" of cluster structure of light nuclei via relativistic dissociation*