

From Ultracold Fermi Gases to Neutron-Rich Many-Body Systems: Universal Aspects and Modern Approaches to Density Functional Theory

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Monday, 18 March 2013 09:30 (30 minutes)

Contribution ID: 1

Type: **not specified**

Strongly correlated ultracold gases

Monday, 18 March 2013 10:00 (1h 30m)

Presenter: CHEVY, Frédéric (Laboratoire Kastler Brossel)

Contribution ID: 2

Type: **not specified**

Time-Dependent Density Functional Theory and Real-Time Dynamics of Fermi Superfluids

Monday, 18 March 2013 11:45 (1 hour)

Presenter: BULGAC, Aurel (Seattle)

Contribution ID: 3

Type: **not specified**

Quantum Monte Carlo for neutron matter and cold atoms

Monday, 18 March 2013 14:00 (1 hour)

Presenter: GEZERLIS, Alex (Darmstadt)

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Contribution ID: 4

Type: **not specified**

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Monday, 18 March 2013 16:00 (1 hour)

Presenter: MAGIERSKI, Piotr (Warsaw)

Contribution ID: 5

Type: **not specified**

reception and poster session

Monday, 18 March 2013 17:00 (2 hours)

Contribution ID: 6

Type: **not specified**

Density functional theory for electronic systems - challenges and chances

Tuesday, 19 March 2013 10:00 (1h 30m)

Presenter: KÜMMEL, Stephan (Bayreuth)

Contribution ID: 7

Type: **not specified**

Statics and Dynamics near Unitarity from DFT

Tuesday, 19 March 2013 11:45 (1 hour)

Presenter: FORBES, Michael M. (Seattle)

Contribution ID: 8

Type: **not specified**

Time dependent density functional for open systems

Tuesday, 19 March 2013 14:00 (1 hour)

Presenter: POLONYI, Janos (Strasbourg)

Contribution ID: 9

Type: **not specified**

contributed talk

Tuesday, 19 March 2013 16:00 (1 hour)

Contribution ID: **10**

Type: **not specified**

workshop dinner

Tuesday, 19 March 2013 17:00 (2 hours)

Contribution ID: 11

Type: **not specified**

DFT for Nuclear Physics

Wednesday, 20 March 2013 10:00 (1h 30m)

Presenter: PAPENBROCK, Thomas (Oak ridge & Tennessee U.)

Contribution ID: 12

Type: **not specified**

Neutron and nuclear matter constraints for density functionals

Wednesday, 20 March 2013 11:45 (1 hour)

Presenter: SCHWENK, Achim (Darmstadt)

Contribution ID: 13

Type: **not specified**

Multi-reference nuclear energy density functional method. Formal difficulties, regularized calculations and remaining problems

Wednesday, 20 March 2013 14:00 (1 hour)

Presenter: DUGUET, Thomas (Saclay)

Contribution ID: 14

Type: **not specified**

Renormalization Group methods and microscopic constraints for nuclear density functionals

Wednesday, 20 March 2013 16:00 (1 hour)

Presenter: HEBELER, Kai (Ohio State University)

Contribution ID: 15

Type: **not specified**

Orbital-Dependent Exchange-Correlation Functionals in Density Functional Theory

Thursday, 21 March 2013 10:00 (1h 30m)

Presenter: ENGEL, Eberhard (Frankfurt)

Contribution ID: 16

Type: **not specified**

Symmetry restoration and configuration mixing calculations with Gogny functionals: Nuclear structure and double beta decay

Thursday, 21 March 2013 11:45 (1 hour)

Presenter: RODRIGUEZ, Tomas (Darmstadt)

Contribution ID: 17

Type: **not specified**

Nuclear energy density functional from chiral nucleon forces

Thursday, 21 March 2013 16:00 (1 hour)

Presenter: KAISER, Norbert (Munich)

Contribution ID: **18**

Type: **not specified**

Ab initio calculations as benchmarks for nuclear DFT

Thursday, 21 March 2013 14:00 (1 hour)

Presenter: SOMA, Vittorio (Darmstadt)

Contribution ID: **19**

Type: **not specified**

round-table

Thursday, 21 March 2013 17:00 (2 hours)

Contribution ID: 20

Type: **not specified**

Neutron matter based on chiral EFT interactions and applications

Friday, 22 March 2013 09:30 (40 minutes)

Presenter: KRÜGER, Thomas

Contribution ID: 21

Type: **not specified**

Density functional theory with spatial-symmetry breaking and configuration mixing

Friday, 22 March 2013 11:15 (1 hour)

Presenter: LESINSKI, Thomas (Warsaw)

Contribution ID: 22

Type: **not specified**

discussions & coffee & farewell

Friday, 22 March 2013 13:00 (1h 15m)

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tbc

Contribution ID: 23

Type: **not specified**

tbc

Friday, 22 March 2013 10:10 (40 minutes)

Presenter: ROSCHER, Dietrich