



# 3rd International Conference on New Frontiers in Physics

## Wednesday, July 30, 2014

### Lectures (8:30 AM - 10:45 AM)

-Conveners: Susan Shotkin Gascon-Shotkin

| time     | [id] title   | presenter        |
|----------|--|------------------|
| 8:30 AM  | [271] Quarkonia as a probe of QCD matter: from LHC to FAIR                         | BLUME, Christoph |
| 9:15 AM  | [272] The smallest possible thermal machines and the foundations of thermodynamics | POPESCU, Sandu   |
| 10:00 AM | [273] Direct Dark Matter Searches Review   | GASCON, Jules    |

### Lectures (11:05 AM - 1:20 PM)

-Conveners: Giulio Chiribella

| time     | [id] title  | presenter                     |
|----------|---|-------------------------------|
| 11:05 AM | [274] Testing General Relativity with Atomic Clocks   | BONDARESCU, Ruxandra          |
| 11:50 AM | [275] Extraordinary claims: the 0.000027% solution    | DORIGO, Tommaso               |
| 12:35 PM | [276] Future Prospects for Brout-Englert-Higgs bosons | GASCON-SHOTKIN, Susan Shotkin |

### Lectures (2:40 PM - 4:10 PM)

-Conveners: Marek Gazdzicki

| time    | [id] title  | presenter        |
|---------|---|------------------|
| 2:40 PM | [277] On the existence of a superlight scalar boson   | VAN BEVEREN, Eef |
| 3:25 PM | [381] High Density Matter in Neutrons Stars and Core-Collapse Supernovae - current status and future challenges | STONE, Jirina    |

### Lectures (4:30 PM - 5:45 PM)

-Conveners: Paul Hoyer

| time    | [id] title                                   | presenter           |
|---------|--|---------------------|
| 4:30 PM | [278] Holographic Glueball Decay             | Prof. REBHAN, Anton |
| 5:15 PM | [279] Engaging Young People with Our Science | BARDEEN, Marjorie   |