

## PhD Physics – 22nd Cycle

| <b>Name and Surname</b> | <b>Title of the Thesis</b>  | <b>Tutor</b>  | <b>Graduation year</b> |
|-------------------------|---|---------------|------------------------|
| Ambrosetti Alberto      | Quantum Monte Carlo study of spin orbit effects in confined electrons systems                           | F. Pederiva   | 2010                   |
| Bariani Francesco       | Light propagation in ultracold atomic gases I. Carusotto 2009   | I. Carusotto  | 2009                   |
| Bausmerth Ingrid        | Ultracold fermi gases in harmonic traps   | S. Stringari  | 2009                   |
| Gradenigo Giacomo       | The study of surface tension within the random first order theory of glass transition                   | P. Verrocchio | 2009                   |
| Guider Romain           | Novel materials and optical waveguide systems for silicon photonics                                     | L. Pavesi     | 2009                   |
| Pitanti Alessandro      | Light matter interaction in silicon nanophotonic structures   | L. Pavesi     | 2010                   |
| Salemi Alessandro       | Solare in concentrazione applicato a celle multigiunzione. Analisi e sviluppo di un Sistema prototipale | R. S. Brusa   | 2009                   |