

# Liste des acronymes

- AC** Alternating Current. 71
- AOM** Acousto-Optic Modulator. 68, 76, 122, 124–126
- Au** aurum. 70
- BA** Bethe Ansatz. ii, 1, 16, 19, 127
- BCB** benzocyclobutène. 70
- C2N** Centre de nanosciences et de nanotechnologies. 70, 72
- CCD** Charge-Coupled Device. 77
- CESQ** Centre européen de sciences quantiques. 137
- DBR** Distributed Bragg Reflector. 122, 123
- DC** Direct Current. 67, 71, 72
- DFB** Distributed Feedback. 68, 122
- DMD** Dispositif de Micromiroirs Digitaux. ii, 67, 75–77, 83, 84, 86, 87, 91, 94, 95, 126
- FBA** Fermionic Bethe Ansatz. 16
- GE** Gibbs Ensemble. 24
- GGE** Generalized Gibbs Ensemble. i, ii, 9, 19, 21–28, 30, 32, 35, 48–50, 52, 53, 59, 65, 83, 127, 128
- GHD** Generalized Hydrodynamics. i, ii, 37, 39, 40, 42, 44–46, 48, 67, 78, 83–86, 89–94, 96–99, 102–104, 127, 133
- GP** Gross–Pitaevskii. 9, 46, 48, 78, 85
- LCF** Laboratoire Charles Fabry. i, 35, 70, 72
- LDA** Local Density Approximation. 38, 39, 83
- LL** Lieb–Liniger. ii, 1, 9, 10, 13, 14, 16, 18, 19, 22, 23, 35, 39, 40, 44, 46, 49, 50, 53, 54, 63, 65, 74, 90, 91, 127
- NLS** Nonlinear Schrödinger. 9
- PBS** Polarizing Beam Splitter. 68
- PMO** Piège Magnéto-Optique. 67–70, 72
- qBEC** quasi Bose–Einstein Condensate. i, ii, 33, 35, 46, 73, 78, 84, 85
- SiC** silicon carbide. 70
- SYRTE** Systèmes de Référence Temps-Espace. 67
- TA** Tapered Amplifier. 68, 123–126
- TBA** Thermodynamic Bethe Ansatz. ii, 19, 21, 27, 35, 37, 61, 63, 83, 84, 98, 127
- TF** Thomas-Fermi. 46, 78, 81