

# Liste des acronymes

**AC** Alternating Current. 71

**AOM** Acousto-Optic Modulator. 68, 76, 105, 122, 124–126

**Au** aurum. 70

**BA** Bethe Ansatz. ii, 1, 16, 19, 127

**BCB** benzocyclobuténe. 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 Micromirroirs Digitaux. ii, 67, 74–77, 83, 84, 86, 87, 91, 94, 95, 105, 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, 66, 83, 127, 128

**GHD** Generalized Hydrodynamics. i, ii, 37, 39, 40, 42, 44–46, 48, 67, 78, 83–86, 89–94, 96–99, 103, 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, 64, 65, 74, 89, 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