

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, 96, 105, 126

FBA Fermionic Bethe Ansatz. 16

GE Gibbs Ensemble. 24

GGE Generalized Gibbs Ensemble. i, ii, 9, 19–28, 30, 32, 35, 48–50, 52, 53, 56, 59, 66, 83, 127, 128

GHD Generalized Hydrodynamics. i, ii, 37, 39, 40, 42, 44–46, 48, 67, 78, 83–86, 89–94, 96, 98, 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, 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, 20, 21, 27, 35, 37, 61, 63, 83, 84, 98, 127

TF Thomas-Fermi. 46, 78, 81