

- 1) F. Englert and C. Jauquet, Théorie du dipôle replié, *Revue H.F.* III, 157 (1955).
- 2) F. Englert, Application de la théorie des groupes au calcul du couplage spin-orbite dans les cristaux, Académie royale de Belgique, *Bulletin de la Classe des Sciences*, 5e série, **43**, 273 (1957).
- 3) F. Englert, Interaction entre un petit et un grand système, *Il Nuovo Cimento* **10**, 560 (1958).
- 4) P. Aigrain and F. Englert, “Les semiconducteurs”, Monographie Dunod, 203 pp - Dunod, Paris (1958) - Version espagnole, Eudeba, Buenos Aires (1966).
- 5) F. Englert, Comportement d'un petit système quantique dans un milieu faiblement dissipatif, *Journal of Physics and Chemistry of Solids* **11**, 78 (1959).
- 6) F. Englert, Renormalisation de masse d'un électron dans un corps noir, Académie royale de Belgique, *Bulletin de la Classe des Sciences*, 5e série, **45**, 782 (1959).
- 7) R. Brout and F. Englert, Linked Cluster Expansion in Quantum Statistics, *Physical Review* **120**, 1519 (1960).
- 8) F. Englert and R. Brout, Dielectric Formulation of Quantum Statistics, *Physical Review* **120**, 1085 (1960).
- 9) F. Englert, Effective Hamiltonian Formalism in the Exciton Problem and in Superconductivity, *Proceedings of the International Conference on Semiconductor Physics* (Prague), 34 (1960).
- 10) F. Englert, Theory of a Heisenberg Ferromagnet in the Random Phase Approximation, *Physical Review Letters* **5**, 102 (1960).
- 11) F. Englert and M. Antonoff, Band Theory of Ferromagnetism, *Physica* **30**, 429 (1964).
- 12) F. Englert, Linked Cluster Expansion in the Statistical Theory of Ferromagnetism, *Physical Review* **129**, 567 (1963).
- 13) R. Stinchcombe, G. Horwitz, F. Englert and R. Brout, Thermodynamic Behavior of the Heisenberg Ferromagnet, *Physical Review* **130**, 155 (1963).
- 14) G. Horwitz, F. Englert and R. Brout, Zero Temperature Properties of Many Fermion Systems, *Physical Review* **130**, 404 (1963).
- 15) J. De Coen, F. Englert and R. Brout, Linked Cluster Expansion in N-Boson Problem, *Physica* **30**, 1293 (1964).

- 16) F. Englert, Fonctions de réponse et leurs relations avec les phénomènes d'équilibre, publ. in "Etudes des phénomènes irréversibles, Morgins 1963, 207-250", Bureau - Lausanne.
- 17) F. Englert and R. Brout, Broken Symmetry and the Mass of Gauge Vector Mesons, Physical Review Letters **13**, 321 (1964).
- 18) F. Englert and R. Brout, A Possible Argument which Eliminates the Hitherto Unrealized Representations of SU_3 , Physical Review Letters **12**, 682 (1964).
- 19) F. Englert and R. Brout, Remark on the Misuse of the Active Interpretation of General Relativity, Physics Letters **16**, 250 (1965).
- 20) F. Englert, R. Brout and M.F. Thiry, Vector Mesons in the Presence of Broken Symmetry, Il Nuovo Cimento **43**, 244 (1966).
- 21) R. Brout and F. Englert, Gravitational Ward Identity and the Principle of Equivalence, Physical Review **141**, 1231 (1966).
- 22) C. De Dominicis and F. Englert, Potential Correlation Function Duality in Statistical Mechanics, Journal of Mathematical Physics **8**, 2143 (1967).
- 23) F. Englert and C. De Dominicis, Lagrangian Field Theory in Terms of Green's Functions, Il Nuovo Cimento **53A**, 1007 (1968).
- 24) F. Englert and C. De Dominicis, Self Generating Interactions, Il Nuovo Cimento **53A**, 1021 (1968).
- 25) F. Englert, R. Brout and H. Stern, Field Theoretic Formulation of Bootstrap Theory, Il Nuovo Cimento **58A**, 601 (1968).
- 26) F. Englert and R. Brout, Current Algebra and Partial Symmetry, Il Nuovo Cimento **55A**, 543 (1968).
- 27) R. Brout and F. Englert, Asymptotic Form Factors and Scattering Amplitudes, Physics Letters **27B**, 647 (1968).
- 28) F. Englert, R. Brout, P. Nicoletopoulos and C. Truffin, The Optical Limit of Relativistic Scattering, Il Nuovo Cimento **64A**, 561 (1969).
- 29) R. Brout, F. Englert and C. Truffin, Chiral Symmetry and Linear Trajectories, Physics Letters **29B**, 590 (1969).
- 30) F. Englert, R. Brout and C. Truffin, Meson Mass Spectrum, Physics Letters **29B**,

686 (1969).

- 31) F. Englert, R. Brout and H. Stern, Mass Quantization Conditions from Infinite Superconvergence and Chiral Symmetry, *Il Nuovo Cimento* **66A**, 845.
- 32) F. Englert, Self Consistent Approach to the Fine Structure Constant, *Il Nuovo Cimento* **16A**, 557 (1973).
- 33) F. Englert, J.-M. Frère and P. Nicoletopoulos, Vertex Bootstrap for the Fine Structure Constant, *Il Nuovo Cimento* **19A**, 395 (1974).
- 34) R. Brout, F. Englert and C. Truffin, $\beta\omega\pi$ Decay and SU_3 Breaking, *Physical Review D* **9**, 2694 (1974).
- 35) F. Englert, J.-M. Frère and P. Nicoletopoulos, Low Energy Eigenvalue Condition from Dynamically Broken Gauge Symmetry, *Physics Letters* **52B**, 433 (1974).
- 36) F. Englert and R. Brout, Dynamical Theory of Weak and Electromagnetic Interactions, *Physics Letters* **49B**, 77 (1974).
- 37) F. Englert, J.-M. Frère and P. Nicoletopoulos, Infrared Versus Ultraviolet Driven Dynamical Mass Generation in Ladder Approximation, *Physics Letters* **59B**, 346 (1975).
- 38) F. Englert, J.-M. Frère and P. Nicoletopoulos, Dynamical Symmetry Breakdown in Pure Yang Mills Theory, *Nuclear Physics* **B95**, 269 (1975).
- 39) F. Englert, Dynamical Symmetry Breakdown, published in “Weak and Electromagnetic Interactions at High Energies, Cargèse 1975, Part A 265-190”, Plenum Press, New York and London (1976).
- 40) F. Englert, E. Gunzig, C. Truffin and P. Windey, Conformal Invariant General Relativity with Dynamical Symmetry Breakdown, *Physics Letters* **57B**, 73 (1975).
- 41) F. Englert, R. Gastmans and C. Truffin, Conformal Invariance in Quantum Gravity, *Nuclear Physics* **B117**, 407 (1976).
- 42) F. Englert, Mechanisms of Dynamical Symmetry Breaking, International Center for Theoretical Physics reports (Trieste) IC/76 (1976).
- 43) F. Englert and P. Windey, Quantization Conditions for 't Hooft Monopoles, *Physical Review D*, 2728 (1976).
- 44) R. Brout, E. Englert and W. Fischler, Magnetic Confinement in Non Abelian Gauge Theory, *Physical Review Letters* **36**, 649 (1976).

- 45) R. Brout, F. Englert and J.-M. Frère, On the Origin of the Pion in Confinement Schemes, Nuclear Physics **B134**, 327 (1978).
- 46) F. Englert and P. Windey, Electric Confinement and Magnetic Superconductors, Nuclear Physics **B135**, 529 (1978).
- 47) R. Brout, F. Englert and E. Gunzig, The Creation of the Universe as a Quantum Phenomenon, Annals of Physics **115**, 78 (1978).
- 48) F. Englert, Electric and Magnetic Confinement Schemes, published in “Hadronstructure and Lepton-Hadron Interactions, Cargèse 1977, 503-560”, Plenum Press, New York and London (1979).
- 49) F. Englert and P. Windey, Dynamical and Topological Considerations on Quark Confinement, Physics Reports **49**, 173 (1979).
- 50) R. Brout, F. Englert and E. Gunzig, The Causal Universe (First Prize for 1978 awarded by Gravity Research Foundation), General Relativity and Gravitation Journal **10**, 1 (1979).
- 51) R. Brout, F. Englert and P. Spindel, Cosmological Origin of the Grand-Unification Mass Scale, Physical Review Letters **43**, 417 (1979).
- 52) R. Brout, F. Englert, J.-M. Frère, E. Gunzig, P. Nardone, C. Truffin and P. Spindel, Cosmogenesis and the Origin of the Fundamental Length Scale, Nuclear Physics **B170**, 228 (1980).
- 53) F. Englert, The Creation of the Universe as the Breakdown of a Grand Unified Symmetry, published in “Physical Cosmology, Les Houches, session XXXII, 1979, 515-532”, North Holland Publishing Company, Amsterdam - New York - Oxford (1980).
- 54) R. Brout and F. Englert, TCP Conservation in Cosmology, Nuclear Physics **B180**, 181 (1981).
- 55) J.-M. Blairon, R. Brout, F. Englert and J. Greensite, Chiral Symmetry Breaking in the Action Formulation of Lattice Gauge Theory, Nuclear Physics **B180**, 439 (1981).
- 56) F. Englert and J.-M. Frère, Time-dependent Perturbation Theory with Permanent Effects, Nuclear Physics **B180**, 468 (1981).
- 57) A. Casher and F. Englert, The Quantum Era, Physics Letters **104B**, 117 (1981).
- 58) F. Englert, Quantum Field Theory and Cosmology, published in “Theory of Fundamental Interaction, Cargèse 1981”, Plenum Press, New York and London (1982).

- 59) F. Englert, Spontaneous Compactification of Eleven Dimensional Supergravity, CERN Preprint TH 3394 (1982), Physics Letters **119B**, 339 (1982).
- 60) B. Biran, B. De Wit, F. Englert and H. Nicolaï, Gauged N=8 Supergravity and its Breaking from Spontaneous Compactification, CERN preprint TH 3489 (1982), Physics Letters **124B**, 45 (1983).
- 61) F. Englert, From Quantum Cosmology to Quantum Gravity published in “Unification of the Fundamental Particle Interactions II”, edited by J. Ellis and S. Ferrara, Plenum Press, New York and London (1983).
- 62) F. Englert, M. Rooman and P. Spindel, Supersymmetry Breaking by Torsion and Ricci-Flat Squashed Seven-Spheres, Physics Letters **127B**, 47 (1983).
- 63) F. Englert, M. Rooman and P. Spindel, Symmetries in Eleven-Dimensional Supergravity Compactified on a Parallelized Seven-Spheres, Physics Letters **130B**, 50 (1983).
- 64) B. Biran, A. Casher, F. Englert, M. Rooman and P. Spindel, The Fluctuating Seven-Sphere in Eleven-Dimensional Supergravity, Physics Letters **134B**, 179 (1984).
- 65) A. Casher, F. Englert, H. Nicolaï and M. Rooman, The Mass Spectrum of Supergravity on the Round Seven-Sphere, Nuclear Physics **B243**, 173 (1984).
- 66) F. Englert, The Quest for Unification, published in “Recent Developments in Quantum Field Theory”, eds. J. Ambjorn, B.J. Durhuus and J.L. Petersen, Elsevier Sc. Pub. North Holland, 39 (1985).
- 67) A. Casher, F. Englert, H. Nicolaï and A. Taormina, Consistent Superstrings as Solutions of the d=26 Bosonic String Theory, CERN preprint TH 4220/85, Physics Letters **162B**, 121 (1985).
- 68) F. Englert and A. Neveu, Non-Abelian Compactification of the Interacting Bosonic String, CERN preprint TH 4168/85, Physics Letters **163B**, 349 (1985).
- 69) F. Englert, Metric Space-Time from Field Propagation on Fractal Structures, CERN preprint TH 4091/85, From SU(3) to gravity, ed. E. Gotsman and G. Tauber, 35 (1985).
- 70) F. Englert, H. Nicolaï and A. Schellekens, Superstrings from 26 Dimensions, Nuclear Physics **B264**, 514 (1986).
- 71) F. Englert, Hidden Superstrings, Festschrift in honor of Y. Nambu to be published (1986).
- 72) F. Englert, J.-M. Frère and M. Rooman, Metric Space-Time as Fixed Point of the

Renormalization Group Equations on Fractals Structures, Nuclear Physics **B280**, 147 (1987).

- 73) F.A. Bais, F. Englert, A. Taormina and P. Zizzi, Torus Compactification for Non Simply Laced Groups, Nuclear Physics **B279**, 529 (1987).
- 74) F. Englert, From Disorder to Space-Time Geometry, Foundations of Physics **17**, 621 (1987).
- 75) R. Brout and F. Englert, Cosmologie Quantique, dans “La Nouvelle Encyclopédie Diderot, Vol. : Aux Confins de l’Univers”, ed. J. Schneider, Fayard, Fondation Diderot, Paris (1987).
- 76) F. Englert, From Classical to Quantum Cosmology in “XVII G.I.F.T. International Seminar on Cosmology and Particle Physics”, eds. E. Alvarez, C.A. Dominguez, L.E. Ibanes and M. Quiros (World Scientific, Singapore, 1987).
- 77) Y. Aharonov, F. Englert and J. Orloff, Macroscopic Fundamental Strings in Cosmology, Physics Letters **B199**, 366 (1987).
- 78) F. Englert, A. Sevrin, W. Troost, A. Van Proeyen and P. Spindel, Loop Algebras and Superalgebras based on S^7 , J. Math. Phys. **29**, 281 (1988).
- 79) F. Englert, J. Orloff and T. Piran, Fundamental Strings and Large Scale Structure Formation, Physics Letters **B212**, 423 (1988).
- 80) F. Englert, String Thermodynamics and Cosmology, Proceedings of the Boulder NATO Workshop on Superstrings, Plenum Press (1988).
- 81) F. Englert, Quantum Physics without Time, Physics Letters **B228**, 111 (1989).
- 82) F. Englert and J. Orloff, Universality of the Closed String Phase Transition, Nuclear Physics **B334**, 472 (1990).
- 83) F. Englert, From Quantum Correlations to Time and Entropy, published in “The Gardener of Eden, edited by P. Nicoletopoulos and J. Orloff, in Physicalia Magazine, Vol. 12 special issue”, in honour of R. Brout’s 60th birthday (1990).
- 84) A. Casher and F. Englert, Entropy Generation in Quantum Gravity, Classical and Quantum Gravity **9**, 2231 (1992).
- 85) A. Casher and F. Englert, Black Hole Tunneling Entropy and the Spectrum of Gravity, gr-qc/9212010; Classical and Quantum Gravity **10**, 2479 (1993).

- 86) A. Casher and F. Englert, Entropy Generation in Quantum Gravity and Black Hole Remnants, gr-qc/9404025; published in “String Theory, Quantum Gravity and the Unification of the Fundamental Interactions” Ed. by M. Bianchi, F. Fucito, E. Marinari, A. Sagnotti, World Scientific and dedicated to F. Englert on the occasion of his sixtieth birthday (1993).
- 87) F. Englert, S. Massar and R. Parentani, Source Vacuum Fluctuations of Black Hole Radiance, gr-qc/9404026; Classical and Quantum Gravity **11**, 2919 (1994).
- 88) F. Englert and B. Reznik, Entropy Generation by Tunneling in 2+1-Gravity, gr-qc/9401010; Physical Review **D 50**, 2692 (1994).
- 89) F. Englert, The Black Hole History in Tamed Vacuum, gr-qc/9408005; (1994).
- 90) F. Englert Operator Weak Values and Black Hole Complementarity, gr-qc/9502039; published in “Proceedings of The Oskar Klein Centenary (19-21 September 1944)” Ed. by U. Lindström, World Scientific (1995).
- 91) F. Englert, L. Houart and P. Windey, The Black Hole Entropy Can Be Smaller than $A/4$, hep-th/9503202; Physics Letters **B372**, 111 (1996).
- 92) F. Englert, L. Houart and P. Windey, Black Hole Entropy and String Instantons , hep-th/9507061; Nuclear Physics **B458** , 231 (1996).
- 93) F. Englert, On the Black Hole Unitarity Issue, hep-th/9705115, presented at the Workshop on Frontiers in Field Theory, Quantum Gravity and String Theory, December 1996, Puri (India), to be published in the proceedings of the conference (1996)
- 94) F. Englert, L. Houart and P. Windey, Thermodynamics of Black Hole in Presence of String Instantons , hep-th/9606179; published in the “Proceedings of the 2nd International A.D. Sakharov Conference on Physics Moscow, (20-23 May 1996)” Ed. by I.M. Dremin and A.M. Semikhatov, World Scientific (1997).
- 95) A. Casher, F. Englert, N. Itzhaki, S. Massar and R. Parentani, Black Hole Horizon Fluctuations, hep-th/9606106; Nuclear Physics **B484** ,419 (1997).
- 96) Y. Aharonov, R. Brout and F. Englert, La Notion de Temps; published in “Le vieillissement”, Laus Medicinae, ULB University Press (1997).
- 97) R. Argurio, F. Englert and L. Houart, Intersection Rules for p-Branes, hep-th/9701042; Physics Letters **B398**, 61 (1997).
- 98) R. Argurio, F. Englert, L. Houart and P. Windey, On the Opening of Branes, hep-th/9704190; Physics Letters **B408**, 151 (1997).

- 99) F. Englert and E. Rabinovici, Statistical Entropy of Schwarzschild Black Holes, hep-th/9801048; Physics Letters **B426**, 264 (1998).
- 100) R. Argurio, F. Englert and L. Houart, Statistical Entropy of the Four Dimensional Schwarzschild Black Hole, hep-th/9801053; Physics Letters **B426**, 275 (1998).
- 101) R. Brout and F. Englert, Spontaneous Symmetry Breaking in Gauge Theories, a Historical Survey, hep-th/9802142; “Proceedings of the International Europhysics Conference on High Energy Physics, Jerusalem, Israel, 19-25 Aug. 1997” Ed. by Lellouch, Daniel; Mikenberg, Giora and Rabinovici, Eliezer - Springer, Berlin, (1999).
- 102) F. Englert, Primordial Inflation, hep-th/9911185, “Lectures on Basics and Highlights of Fundamental Physics” Proceedings of the International School of Subnuclear Physics **Vol 37** 516, Ed. by A. Zichichi, World Scientific (1999).
- 103) K. Bautier, F. Englert, M. Rooman and P. Spindel, The Fefferman-Graham ambiguity and ADS Black Holes, hep-th/0002156; Physics Letters **B479**, 291 (2000).
- 104) F. Englert, L. Houart and A. Taormina, Brane Fusion and the Emergence of Fermionic Strings, hep-th/0106235; JHEP **0108**, 013, (2001).
- 105) F. Englert, A Brief Course in Spontaneous Symmetry Breaking 2. Modern Times: The BEH Mechanism. Presented at Corfu Summer Institute on Elementary Particle Physics (Corfu 2001), Corfu, Greece, 31 Aug - 20 Sep 2001, hep-th/0203097, (2002).
- 106) F. Englert, L. Houart and A. Taormina, The Bosonic Ancestor of Closed and Open Fermionic Strings. Contributed to Meeting on Strings and Gravity: Tying the Forces Together, Brussels, Belgium, 19-21 Oct 2001, hep-th/0203098, (2002).
- 107) Auttakit Chattaraputi, F. Englert, L. Houart and A. Taormina, The bosonic mother of fermionic D-branes, hep-th/0207238; JHEP **0209**, 037, (2002).
- 108) Auttakit Chattaraputi, F. Englert, L. Houart and A. Taormina, Fermionic subspaces of the bosonic string, in the proceedings of the Workshop on the Quantum Structure of Space-time and the Geometrical Nature of the Fundamental Interactions, Leuven, Belgium, 13-19 Sep 2002, and of 6th International Workshop on Conformal Field Theory and Integrable Systems, Chernogolovka, Russia, 15-21 Sep 2002. e-Print Archive: hep-th/0212085, (2002).
- 109) F. Englert, L. Houart, A. Taormina and P. West. The symmetry of M-Theories, hep-th/0304206; JHEP **0309**, 020, (2003).
- 110) F. Englert, L. Houart and P. West. Intersection rules, dynamics and symmetries hep-th/0307024; JHEP **0308**, 025, (2003).

- 111) F. Englert, L. Houart. \mathcal{G}^{+++} Invariant formulation of gravity and M-theories: exact BPS solutions, hep-th/0311255; JHEP **0401**, 002, (2004).
- 112) F. Englert, L. Houart. From brane dynamics to a Kac-Moody invariant formulation of M-theories, in the proceedings of 27th Johns Hopkins Workshop on Current Problems in Particle Theory: Symmetries and Mysteries of M-Theory, Goteborg, Sweden, 24-26 Aug 2003 hep-th/0402076 (2004).
- 113) F. Englert, L. Houart. \mathcal{G}^{+++} Invariant formulation of gravity and M-theories: exact intersecting brane solutions, hep-th/0405082; JHEP **0405**, 059, (2004).
- 114) F. Englert, M. Henneaux and L. Houart, From very-extended to overextended gravity and M-theories, hep-th/0412184; JHEP **0502**, 070, (2005).
- 115) F. Englert, Broken symmetry and Yang-Mills theory, in “50 years of Yang-Mills theory”, editor G.’t Hooft, World Scientific, hep-th/0406162, (2005).
- 116) F. Englert, L. Houart, A. Kleinschmidt, H. Nicolai and N. Tabti, An E_9 multiplet of BPS states, hep-th/0703285; JHEP **0705**, 065, (2007).