

List of Books

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Title	Author(s)	Publisher	OAPEN URI
A Course in Field Theory	Van Baal P.	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50887
A Modern Introduction to Particle Physics. 3rd Edition	Fayyazuddin and Riazuddin	World Scientific	https://library.oapen.org/handle/20.500.12657/53580
Accelerator Physics. 4th Edition	Lee, SY.	World Scientific	https://library.oapen.org/handle/20.500.12657/50490
Advanced Concepts in Particle and Field Theory	Hübsch, T.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59215
An Introduction to Beam Physics	Berz M., Makino K., Wan W	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50888
An Introduction to Particle Accelerators	Wilson, Edmund	Oxford University Press	https://library.oapen.org/handle/20.500.12657/76447
An Introduction to Particle Physics and the Standard Model	Mann, R.	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50882
An Introduction to Regge Theory and High Energy Physics	Collins, P.D.B.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64007
An Introduction to the Passage of Energetic Particles through Matter	Carron, N. J.	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50879
An Introduction to the Standard Model of Particle Physics	Cottingham, W.N., Greenwood, D.A.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64010
Beam-based Correction and Optimization for Accelerators	Huang, H.	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/53310
Bell Nonlocality	Scarani, V.	Oxford University Press	https://library.oapen.org/handle/20.500.12657/59110
Challenges and Goals for Accelerators in the XXI century	Myers, S., Bruning, eds	World Scientific	https://library.oapen.org/handle/20.500.12657/50491
Classical Covariant Fields	Burgess, M.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59204
Colliders and Neutrinos - The Window into Physics beyond the Standard Model (TASI 2006)	Dawson, S., and Mohapatra, N.R.	World Scientific	https://library.oapen.org/handle/20.500.12657/53581
Conformal Methods in General Relativity	Kroon, J.A.V.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59217
Cosmology in Gauge Field Theory and String Theory	Bailin, D., and Love, A.	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50878
CP violation	Branco, Gustavo et al	Oxford University Press	https://library.oapen.org/handle/20.500.12657/85656
D-Branes	Johnson, Clifford V.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64015
Detectors in Particle Physics	Viehhauser, G, Weidberg, T	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/88075
Dynamics of Charged Particles and their Radiation Field	Spohn, Herbert	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64023
Dynamics of the Standard Model	Donoghue, J.F., Golowich, E., Holstein, B.R.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59209
Effective Field Theory for Spontaneously Broken Symmetry	Brauner, Tomas	Springer Nature	https://library.oapen.org/handle/20.500.12657/90477
Effective Theories in Physics	Wells, J.D.	Springer Nature	https://library.oapen.org/handle/20.500.12657/56973
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Electron-Phonon Interactions in Low-Dimensional Structures	Challis, Lawrence	Oxford University Press	https://library.oapen.org/handle/20.500.12657/76451
Electroweak Physics at LEP and LHC	Straessner, A.	Springer Nature	https://library.oapen.org/handle/20.500.12657/56971
Electroweak Theory	Paschos, E.A.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64020
Elementary Scattering Theory	Sivia, D.S.	Oxford University Press	https://library.oapen.org/handle/20.500.12657/59107
Experimental Techniques in Modern High Energy Physics	Yamazaki, Y., Tomono, M., Tanaka, J., Hanagaki, K.	Springer	https://doi.org/10.1007/978-4-431-56931-2
Experimental Techniques in Nuclear and Particle Physics	Tavernier, S.	Springer Nature	https://library.oapen.org/handle/20.500.12657/56972
Finite-Temperature Field Theory, Second edition	Kapusta, Joseph I., Gale, Charles	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64016
Foundations of Perturbative QCD	Collins, John	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64006
Gravity, Cosmology and Astrophysics : A Journey of Exploration and Discover with Female Pioneers	Kuntz, J., Hartmann, B.	Springer	https://doi.org/10.1007/978-3-031-42096-2
Gaseous Radiation Detectors	Sauli, F.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59221

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Gauge Theories in Particle Physics: A Practical Introduction, 2 volumes set, Fourth Edition	Aitchison I.J.R, Hey, A.J.G	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50883
Gauge Theories in Particle Physics: A Practical Introduction, Volume 1: From Relativistic Quantum Mechanics to QED, Fourth Edition	Aitchison I.J.R, Hey, A.J.G	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50885
Gauge Theories in Particle Physics: A Practical Introduction, Volume 2: Non-Abelian Gauge Theories QCD and The Electroweak Theory, Fourth Edition	Aitchison I.J.R, Hey, A.J.G	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50884
Gauge Theory of Elementary Particle Physics	Cheng, T., Li, L.	Oxford University Press	https://library.oapen.org/handle/20.500.12657/59106
Gauge Theory of Elementary Particle Physics (2000)	Cheng, T., Li, L.	Oxford University Press	https://library.oapen.org/handle/20.500.12657/89521
Gauge/String Duality, Hot QCD and Heavy Ion Collisions</a	Casalderrey-Solana, Jorge et al	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64005
Geometric Quantization and Applications to Fields and Fluids	Nair, V. Parameswaran	Springer Nature Switzerland	https://library.oapen.org/handle/20.500.12657/96143
Group Theory for the Standard Model of Particle Physics and Beyong	Barnes, J.K	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50881
Hadrons and Quark–Gluon Plasma	Letessier, J., Rafelski, J.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59218
Hands-On Accelerator Physics Using MATLAB®	Ziemann, Volker	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/98031
Heavy Flavour Physics : Theory and Experimental Results in Heavy Quark Physics and CP Violation	Davies C., Playfer S.M., Osborne P.	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50877
Heavy Quark Physics	Manohar, Aneesh V., Wise, Mark B.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64019
Ideas and Methods of Supersymmetry and Supergravity or A Walk Through Superspace	Kruzenko, S.M.	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50874
Instrumentation and Techniques in High Energy Physics	Lincol, Donald (ed.)	World Scientific	https://library.oapen.org/handle/20.500.12657/97919
Introduction to Elementary Particle Physics. 3rd ed. (2024)	Bettini, A.	Cambridge University Press	https://doi.org/10.1017/9781009440745
Introduction to Experimental Particle Physics (1986)	Fernow, R.C.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59210
Introduction to Experimental Particle Physics. 3rd ed. (2024)	Fernow, R.C.	Cambridge University Press	https://doi.org/10.1017/9781009290098
Introduction to Gauge Field Theory	Bailin, D., Love, A.	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50872
Introduction to General Relativity, Black Holes and Cosmology	Choquet-Bruhat, Yvonne	Oxford University Press	https://library.oapen.org/handle/20.500.12657/85657
Introduction to Quantum Fields on a Lattice	Smit, Jan	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64022
Kinks and Domain Walls	Vachaspati, T.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59222
Lattice Gauge Theories: an Introduction	Rothe, H. J.	World Scientific	https://library.oapen.org/handle/20.500.12657/50492
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Loops, Knots, Gauge Theories	Gambini, R., Pullin, J.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59213
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Methods of Contemporary Gauge Theory	Makeenko, Yuri	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64018
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Nonequilibrium Quantum Field Theory	Calzetta, E.A., Hu, B.B.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59205
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Non-Perturbative Quantum Field Theory	Percacci, Roberto	SISSA Medialab S.r.l.	https://library.oapen.org/handle/20.500.12657/96025
Nuclear Superfluidity	Brink, David M., Broglia, Ricardo A.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64004
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Quantum Chromodynamics at High Energy	Kovchegov, Y.V., Levin, E.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59216
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Spin in Particle Physics	Leader, Elliot	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64017
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Supersymmetric Solitons	Shifman, M., Yung, A.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64021
Supersymmetry and String Theory	Dine, M.	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/59208
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The Black Book of Quantum Chromodynamics	Campbell, J., Huston, J., Krauss, F.	Oxford University Press	https://library.oapen.org/handle/20.500.12657/59105
The Lund Model	Andersson, Bo	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64003
The Physics of Laser Plasmas and Applications II	Hideaki Takabe	Springer Nature	https://library.oapen.org/handle/20.500.12657/89962
The Pinch Technique and its Applications to Non-Abelian Gauge Theories	Cornwall, John M. et al	Cambridge University Press	https://library.oapen.org/handle/20.500.12657/64009
The Science and Technology of Particle Accelerators	Appleby, R., Burt, G., Clarke, J., Owen, H.	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/53311
The Standard Model and Beyond	Langacker P.	Taylor & Francis	https://library.oapen.org/handle/20.500.12657/50890
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