

## List of Books

Below you will find the list of books transitioned to Open Access with a link to the PDF hosted in the SCOAP3 Repository. The books will be also available via the [INIS Repository](#), [OAPEN](#), and on the respective publisher websites. Please note that this list will be continuously expanded as books become available OA

Title	Author(s)	Publisher	OAPEN URI
A Course in Field Theory	Van Baal P.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50887">https://library.oapen.org/handle/20.500.12657/50887</a>
A Modern Introduction to Particle Physics. 3rd Edition	Fayyazuddin and Riazuddin	World Scientific	<a href="https://library.oapen.org/handle/20.500.12657/53580">https://library.oapen.org/handle/20.500.12657/53580</a>
Accelerator Physics. 4th Edition	Lee, S.Y.	World Scientific	<a href="https://library.oapen.org/handle/20.500.12657/50490">https://library.oapen.org/handle/20.500.12657/50490</a>
Advanced Concepts in Particle and Field Theory	Hübsch, T.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59215">https://library.oapen.org/handle/20.500.12657/59215</a>
An Introduction to Beam Physics	Berz M., Makino K., Wan W	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50888">https://library.oapen.org/handle/20.500.12657/50888</a>
An Introduction to Particle Accelerators	Wilson, Edmund	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/76447">https://library.oapen.org/handle/20.500.12657/76447</a>
An Introduction to Particle Physics and the Standard Model	Mann, R.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50882">https://library.oapen.org/handle/20.500.12657/50882</a>
An Introduction to Regge Theory and High Energy Physics	Collins, P.D.B.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64007">https://library.oapen.org/handle/20.500.12657/64007</a>
An Introduction to the Passage of Energetic Particles through Matter	Carron, N. J.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50879">https://library.oapen.org/handle/20.500.12657/50879</a>
An Introduction to the Standard Model of Particle Physics	Cottingham, W.N., Greenwood, R.A.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64010">https://library.oapen.org/handle/20.500.12657/64010</a>
Beam-based Correction and Optimization for Accelerators	Huang, H.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/53310">https://library.oapen.org/handle/20.500.12657/53310</a>
Bell Nonlocality	Scarani, V.	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/59110">https://library.oapen.org/handle/20.500.12657/59110</a>
Challenges and Goals for Accelerators in the XXI century	Myers, S., Bruning, eds	World Scientific	<a href="https://library.oapen.org/handle/20.500.12657/50491">https://library.oapen.org/handle/20.500.12657/50491</a>
Classical Covariant Fields	Burgess, M.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59204">https://library.oapen.org/handle/20.500.12657/59204</a>
Colliders and Neutrinos - The Window into Physics beyond the Standard Model (TASI 2006)	Dawson, S., and Mohapatra, N.R.	World Scientific	<a href="https://library.oapen.org/handle/20.500.12657/53581">https://library.oapen.org/handle/20.500.12657/53581</a>
Conformal Methods in General Relativity	Kroon, J.A.V.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59217">https://library.oapen.org/handle/20.500.12657/59217</a>
Cosmology in Gauge Field Theory and String Theory	Bailin, D., and Love, A.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50878">https://library.oapen.org/handle/20.500.12657/50878</a>
CP violation	Branco, Gustavo et al	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/85656">https://library.oapen.org/handle/20.500.12657/85656</a>
D-Branes	Johnson, Clifford V.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64015">https://library.oapen.org/handle/20.500.12657/64015</a>
Detectors in Particle Physics	Viehhauser, G, Weidberg, T	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/88075">https://library.oapen.org/handle/20.500.12657/88075</a>
Dynamics of Charged Particles and their Radiation Field	Spohn, Herbert	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64023">https://library.oapen.org/handle/20.500.12657/64023</a>
Dynamics of the Standard Model	Donoghue, J.F., Golowich, E., Holstein, B.R.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59209">https://library.oapen.org/handle/20.500.12657/59209</a>
Effective Field Theory for Spontaneously Broken Symmetry	Brauner, Tomas	Springer Nature	<a href="https://library.oapen.org/handle/20.500.12657/90477">https://library.oapen.org/handle/20.500.12657/90477</a>
Effective Theories in Physics	Wells, J.D.	Springer Nature	<a href="https://library.oapen.org/handle/20.500.12657/56973">https://library.oapen.org/handle/20.500.12657/56973</a>
Electron Scattering for Nuclear and Nucleon Structure	Walecka, J.D.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59223">https://library.oapen.org/handle/20.500.12657/59223</a>
Electron-Phonon Interactions in Low-Dimensional Structures	Challis, Lawrence	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/76451">https://library.oapen.org/handle/20.500.12657/76451</a>
Electroweak Physics at LEP and LHC	Straessner, A.	Springer Nature	<a href="https://library.oapen.org/handle/20.500.12657/56971">https://library.oapen.org/handle/20.500.12657/56971</a>
Electroweak Theory	Paschos, E.A.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64020">https://library.oapen.org/handle/20.500.12657/64020</a>
Elementary Scattering Theory	Sivia, D.S.	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/59107">https://library.oapen.org/handle/20.500.12657/59107</a>
Experimental Techniques in Nuclear and Particle Physics	Tavernier, S.	Springer Nature	<a href="https://library.oapen.org/handle/20.500.12657/56972">https://library.oapen.org/handle/20.500.12657/56972</a>
Finite-Temperature Field Theory, Second edition	Kapusta, Joseph I., Gale, Charles	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64016">https://library.oapen.org/handle/20.500.12657/64016</a>
Foundations of Perturbative QCD	Collins, John	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64006">https://library.oapen.org/handle/20.500.12657/64006</a>
Gaseous Radiation Detectors	Sauli, F.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59221">https://library.oapen.org/handle/20.500.12657/59221</a>
Gauge Fields and Strings	Polyakov, A.M.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50871">https://library.oapen.org/handle/20.500.12657/50871</a>
Gauge Theories in Particle Physics: A Practical Introduction, 2 volumes set, Fourth Edition	Aitchison I.J.R, Hey, A.J.G	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50883">https://library.oapen.org/handle/20.500.12657/50883</a>
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	<a href="https://library.oapen.org/handle/20.500.12657/50885">https://library.oapen.org/handle/20.500.12657/50885</a>
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	<a href="https://library.oapen.org/handle/20.500.12657/50884">https://library.oapen.org/handle/20.500.12657/50884</a>
Gauge Theory of Elementary Particle Physics	Cheng, T., Li, L.	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/59106">https://library.oapen.org/handle/20.500.12657/59106</a>
Gauge Theory of Elementary Particle Physics (2000)	Cheng, T., Li, L.	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/89521">https://library.oapen.org/handle/20.500.12657/89521</a>
Gauge/String Duality, Hot QCD and Heavy Ion Collisions	Casalderrey-Solana, Jorge et al	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64005">https://library.oapen.org/handle/20.500.12657/64005</a>
Geometric Quantization and Applications to Fields and Fluids	Nair, V. Parameswaran	Springer Nature Switzerland	<a href="https://library.oapen.org/handle/20.500.12657/96143">https://library.oapen.org/handle/20.500.12657/96143</a>
Group Theory for the Standard Model of Particle Physics and Beyond	Barnes, J.K	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50881">https://library.oapen.org/handle/20.500.12657/50881</a>
Hadrons and Quark-Gluon Plasma	Letessier, J., Rafelski, J.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59218">https://library.oapen.org/handle/20.500.12657/59218</a>
Heavy Flavour Physics : Theory and Experimental Results in Heavy Quark Physics and CP Violation	Davies C., Playfer S.M., Osborne P.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50877">https://library.oapen.org/handle/20.500.12657/50877</a>
Heavy Quark Physics	Manohar, Aneesh V., Wise, Mark B.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64019">https://library.oapen.org/handle/20.500.12657/64019</a>
Ideas and Methods of Supersymmetry and Supergravity or A Walk Through Superspace	Kruzenko, S.M.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50874">https://library.oapen.org/handle/20.500.12657/50874</a>
Introduction to Experimental Particle Physics	Fernow, R.C.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59210">https://library.oapen.org/handle/20.500.12657/59210</a>
Introduction to Gauge Field Theory	Bailin, D., Love, A.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50872">https://library.oapen.org/handle/20.500.12657/50872</a>
Introduction to General Relativity, Black Holes and Cosmology	Choquet-Bruhat, Yvonne	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/85657">https://library.oapen.org/handle/20.500.12657/85657</a>
Introduction to Quantum Fields on a Lattice	Smit, Jan	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64022">https://library.oapen.org/handle/20.500.12657/64022</a>
Kinks and Domain Walls	Vachaspati, T.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59222">https://library.oapen.org/handle/20.500.12657/59222</a>
Lattice Gauge Theories: an Introduction	Rothe, H. J.	World Scientific	<a href="https://library.oapen.org/handle/20.500.12657/50492">https://library.oapen.org/handle/20.500.12657/50492</a>
Lie Algebras In Particle Physic from Isospin To Unified Theories	Georgi H.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50876">https://library.oapen.org/handle/20.500.12657/50876</a>
Loops, Knots, Gauge Theories	Gambini, R., Pullin, J.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59213">https://library.oapen.org/handle/20.500.12657/59213</a>
Mathematics of Quantization and Quantum Fields	Dereziński, J., Gérard, C.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59207">https://library.oapen.org/handle/20.500.12657/59207</a>
Methods of Contemporary Gauge Theory	Makeenko, Yuri	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64018">https://library.oapen.org/handle/20.500.12657/64018</a>
Moonshine beyond the Monster	Gannon, Terry	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64012">https://library.oapen.org/handle/20.500.12657/64012</a>
Neutrino Physics	Zuber, K.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/53313">https://library.oapen.org/handle/20.500.12657/53313</a>
Neutron Interferometry	Rauch, H., Werner, S.A.	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/59109">https://library.oapen.org/handle/20.500.12657/59109</a>
Nonequilibrium Quantum Field Theory	Calzetta, E.A., Hu, B.B.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59205">https://library.oapen.org/handle/20.500.12657/59205</a>
Non-Perturbative Field Theory	Frishman, Yitzhak, Sonnenschein, Jacob	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64011">https://library.oapen.org/handle/20.500.12657/64011</a>
Non-Perturbative Quantum Field Theory	Percacci, Roberto	SISSA Medialab S.r.l.	<a href="https://library.oapen.org/handle/20.500.12657/96025">https://library.oapen.org/handle/20.500.12657/96025</a>
Nuclear Superfluidity	Brink, David M., Broglia, Ricardo A.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64004">https://library.oapen.org/handle/20.500.12657/64004</a>
Particle Detectors second edition	Gruppen, Claus, Shwartz, Boris	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64013">https://library.oapen.org/handle/20.500.12657/64013</a>
Particle Physics in the LHC era	Barr, G., Devenish, R., Walczak, R., Weidberg, T.	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/59108">https://library.oapen.org/handle/20.500.12657/59108</a>
Perspectives on LHC Physics	Kane, G., and Pierce, A.	World Scientific	<a href="https://library.oapen.org/handle/20.500.12657/53582">https://library.oapen.org/handle/20.500.12657/53582</a>
Perspectives on String Phenomenology	Acharya, B., Kane, L.G., and Kumar, P.	World Scientific	<a href="https://library.oapen.org/handle/20.500.12657/53579">https://library.oapen.org/handle/20.500.12657/53579</a>
Principles of Magnetostatics	Fernow, R.C.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59211">https://library.oapen.org/handle/20.500.12657/59211</a>
QCD as a Theory of Hadrons	Narison, S.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59219">https://library.oapen.org/handle/20.500.12657/59219</a>
Quantized Detector Networks	Jaroszkiewicz, George	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64014">https://library.oapen.org/handle/20.500.12657/64014</a>
Quantum Chromodynamics and the Pomeron	Forshaw, J.R., Ross, D.A.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59212">https://library.oapen.org/handle/20.500.12657/59212</a>
Quantum Chromodynamics at High Energy	Kovchegov, Y.V., Levin, E.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59216">https://library.oapen.org/handle/20.500.12657/59216</a>
Quantum Theory of Angular Momentum	Varchalovich D.A., Moskalev, A. N., V.K. Khersonskii	World Scientific	<a href="https://library.oapen.org/handle/20.500.12657/50493">https://library.oapen.org/handle/20.500.12657/50493</a>
Quarks, Gluons and Lattices	Creutz, M.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59206">https://library.oapen.org/handle/20.500.12657/59206</a>
Relativistic Quantum Mechanics	Maiani, Luciano Benhar, Omar	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/93149">https://library.oapen.org/handle/20.500.12657/93149</a>
Renormalization	Collins, John	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64008">https://library.oapen.org/handle/20.500.12657/64008</a>

Title	Author(s)	Publisher	OAPEN URI
Single-Event Effects, from Space to Accelerator Environments	Aguiar, Ygor Quadros de Wrobel, Frédéric Autran, Jean-Luc García Alfía, Rubén	Springer Nature	<a href="https://library.oapen.org/handle/20.500.12657/94673">https://library.oapen.org/handle/20.500.12657/94673</a>
Spin in Particle Physics	Leader, Elliot	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64017">https://library.oapen.org/handle/20.500.12657/64017</a>
Strong Interactions of Hadrons at High Energies	Gribov, V.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59214">https://library.oapen.org/handle/20.500.12657/59214</a>
Supersymmetric Gauge Field Theory and String Theory	Bailey, D., Love, A.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50873">https://library.oapen.org/handle/20.500.12657/50873</a>
Supersymmetric Solitons	Shifman, M., Yung, A.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64021">https://library.oapen.org/handle/20.500.12657/64021</a>
Supersymmetry and String Theory	Dine, M.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59208">https://library.oapen.org/handle/20.500.12657/59208</a>
Tensor Network Techniques for Quantum Computation	Collura, Mario Lami, Guglielmo Ranabhat, Nishan Santini, Alessandro	SISSA Medialab S.r.l.	<a href="https://library.oapen.org/handle/20.500.12657/96026">https://library.oapen.org/handle/20.500.12657/96026</a>
The Black Book of Quantum Chromodynamics	Campbell, J., Huston, J., Krauss, F.	Oxford University Press	<a href="https://library.oapen.org/handle/20.500.12657/59105">https://library.oapen.org/handle/20.500.12657/59105</a>
The Lund Model	Andersson, Bo	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64003">https://library.oapen.org/handle/20.500.12657/64003</a>
The Physics of Laser Plasmas and Applications II	Hideaki Takabe	Springer Nature	<a href="https://library.oapen.org/handle/20.500.12657/89962">https://library.oapen.org/handle/20.500.12657/89962</a>
The Pinch Technique and its Applications to Non-Abelian Gauge Theories	Cornwall, John M. et al	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/64009">https://library.oapen.org/handle/20.500.12657/64009</a>
The Science and Technology of Particle Accelerators	Appleby, R., Burt, G., Clarke, J., Owen, H.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/53311">https://library.oapen.org/handle/20.500.12657/53311</a>
The Standard Model and Beyond	Langacker P.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50890">https://library.oapen.org/handle/20.500.12657/50890</a>
The Theory and Applications of Instanton Calculations	Paranjape, M.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59220">https://library.oapen.org/handle/20.500.12657/59220</a>
The World in Eleven Dimensions: Supergravity, Supermembranes and M-theory	Duff, M. J.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50875">https://library.oapen.org/handle/20.500.12657/50875</a>
Theoretical Foundations of Synchrotron and Storage Ring RF Systems	Klingbeil, H., Laier, U., Lens, D.	Springer Nature	<a href="https://library.oapen.org/handle/20.500.12657/57000">https://library.oapen.org/handle/20.500.12657/57000</a>
Understanding the Physics of Particle accelerators	Méot, François	Springer Nature	<a href="https://library.oapen.org/handle/20.500.12657/93978">https://library.oapen.org/handle/20.500.12657/93978</a>
Unifying Physics of Accelerators, Lasers and Plasma	Seryi, A.	Taylor & Francis	<a href="https://library.oapen.org/handle/20.500.12657/50889">https://library.oapen.org/handle/20.500.12657/50889</a>
Weak Scale Supersymmetry	Baer, H., Tata, X.	Cambridge University Press	<a href="https://library.oapen.org/handle/20.500.12657/59203">https://library.oapen.org/handle/20.500.12657/59203</a>