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14082 I. Title

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(On Display)

4. Hollik, W.

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1. Quantum field theory. I. Title

(On Display)

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539.72 RAR1 Introduction to the standard model and beyond: quantum field theory, symmetries and phenomenology / Stuart Raby.. - UK: CUP, 2021.

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SPIE Press, 2011.
14091 xvi, 227 p.
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530.13 MUR2 Basics of statistical physics / Harald J.W. Muller-Kirsten. - 3rd ed.. - New Jersey: World Scientific:, 2022.
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(On Display)
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530.12 MAR2 The Mathematics of open quantum systems: : dissipative and non unitary representations and quantum
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x, 285p.
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1. Superconductivity. I. Title

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(On Display)

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(On Display)
18. Flesch, Heinz-Georg
530.416 FLP0 GW-calculations of the self energy of electrons: : numerical investigations on simple and transition
14099 metals / by Heinz-Georg Flesch. - Germany: VDM Verlag, 2010.
x, 102p.
ISBN : 97833639040418.
1. Solid state physics 2. Energy of electrons. I. Title

(On Display)
19. Dutt, Ranabir
530.12 DUN3 Dirac and Feynman: pioneers in quantum mechanics. - New Delhi: Wiley Eastern Limited, 1993.
5824 ,14175 viii, 214.
ISBN : 8122404936.
I. Ray Asim K II. Title

(Shelf); (Shelf)
20. Gelfand
515.353 GEM9 Generalized functions: vol 1: properties and operations / by I M Gelfand and G E Shilov. - New York:
14176 Academic Press, 1964.
xviii, 423p.
1. Generalized functions. I. Title

(Shelf)
21. Wheeler, John Archibald (Ed.), Wojciech Hubert (Ed.)Zurek
530.12 QUM3 Quantum theory and measurement / edited by John Archibald Wheeler and Wojciech Hubert Zurek. -
G374 ,14177 Princeton: Princeton University, 1983.
xxviii, 811p.
1. Quantum theory. I. Title

(Shelf); (Shelf)

22. Bagchi, Asoke
530.0904 BAN8 Hinduja foundation encyclopaedia of nobel laureates 1901-1987 / by Asoke K Bagchi. - New Delhi:
14178 Konark, 1975.
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I. Title

(Shelf)
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531 YAN5 Lectures in analytical mechanics / Translated by George Yankovsky. - Moscow: Mir Publishers, 1975.
14179 264p.
1. Analytical mechanics. I. Title

(Shelf)
24. Perlmutter, Arnold.
530.41 PEM6 Symmetry principles at high energy / by Arnold Perlmutter and others. - London: W H Freeman and
14180 Company, 1966.
262p.
I. Title

(Shelf)
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530.092 CHN4 Meghnad Saha: scientist with a vision / Santimay Chatterjee & Enakshi Chatterjee.
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(Shelf)
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530 IVM9 Contemporary physics / by B Ivanov. - Mosco: Peace, 1979.
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(Shelf)
27. Zewail, Ahmed.
530.092 ZE2 Voyage through time: walks of life to the nobel prize / by Ahmed Zewail. - Mosco: Peace Publisher, 2002.
14183 xi, 287p.
I. Title

(Shelf)
28. Wolfson, Richard
530.11 WOP3 Simply Einstein: relativity demystified. - New York: Norton & Company, 2003.
4291 ,14185 x: 261.
ISBN : 0-393-05154-4.
I. Title

(Shelf); (Shelf)

29. Ganguly, G
530.076 GAQ6 IIT JEE physics: problems and solutions, vol 1 / by G Ganguly. - Chennai: Notion, 2016.
14186 438p.
1. IIT JEEPhysics. I. Title

(Shelf)
30. Syrovatkin, Sergei
530.092 SYM9 Einstein and the philosophical problems of 20th century physics / translated by Sergei, Zaitsev. -
14187 Moscow: Progress., 1979.
505p.
1. Einstein. I. Title

(Shelf)
31. Misra, S. P.
539.725 MIN2 Introduction to supersymmetry and supergravity / by S. P. Misra. - New Delhi: Wiley Eastern, c1992.
G88 ,14188 xvi, 240 p.
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1. Supersymmetry - Supergravity. I. Title

(Shelf); (Shelf)
32. Goldick, Howard D.
612.014 GOP1 Mechanics, heat, and the human body: An introduction to physics / by Howard D. Goldick. - New Jersey:
4152 ,14189 Prentice Hall, c2001.
xii, 212 p.
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(Shelf); (Shelf)
33. Rashid, A M Harun ar
539.7 RAO2 Glashow salam weinberg theory / A M Harun ar Rashid. - Dhaka, Bangladesh: Alamgir Art, 1992.
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(Shelf)
34. Frazer, William R
539.72 FRL6 Elementary particles / William R Frazer. - New Jersey: Prentice-Hall, 1966.
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(Shelf)
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1. Science. I. Title

(Shelf)

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610.92 BIP3 How to win the nobel prize: An unexpected life in science / J Michael Bishop. - Cambridge: Harvard
14193 University Press, 2003.
xiii, 271p.
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1. Medical scientists-United States-Biography; Oncogenes; Nobel prizes. I. Title

(Shelf)
37. Oster, Malcolm (ed.)
509.40903 OSP2 Science in europe 1500-1800: A primary sources reader / Malcolm Oster (ed.). - New York: Palgrave,
14194 2002.
xix, 282p. (v.1).
The companion volume in this series is: Science in Europe, 1500-1800: A Secondary Sources Reader.
ISBN : 0333970020.
1. Science-Europe-History-Sources. I. Title

(Shelf)
38. Ghosh, Partha
530.12 GHN9 Testing quantum mechanics on new ground / by Partha Ghaosh. - Cambridge: Cambridge university
1506 ,1878 ,14195 Press, 1999.
xiv, 208p.
1. Quantum mechanics. I. Title

(Shelf); (Shelf); (Shelf)
39. Sommerfeld, Arnold
530.15 SOJ9 Partial differential equations in physics / Arnold Sommerfeld. - New York: Academic, 1949.
14196 xi, 335p.
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(Shelf)
40. Nayak, Prasun Kumar
515.63 NAQ2 Textbook of tensor calculus and differential geometry / Prasun Kumar Nayak. - New Delhi: PHI Learning,
14197 2012.
xii, 540p.
ISBN : 9788120345072.
1. Tensor calculus; Differential geometry; Geometry; Calculus. I. Title

(Shelf)
41. Rees, Martin
523.1 REP0 Just six numbers / Martin Rees. - Great Britain: Weidenfeld & Nicolson, 2000.
14198 xi, 195p.
ISBN : 0465036732.
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(Shelf)

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909 FRM2 The hamlyn children's history of the world / by Plantagenet Somerset Fry. - London: Hamlyn, 1972.

14199

448p.

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(Shelf)