



Symmetry and Fundamental Physics Tom Kibble At 80

By Jerome Gauntlett

World Scientific Publishing Company. Paperback. Book Condition: New. Paperback. 172 pages. Dimensions: 8.9in. x 6.0in. x 0.6in. Tom Kibble is an inspirational theoretical physicist who has made profound contributions to our understanding of the physical world. To celebrate his 80th birthday a one-day symposium was held on March 13, 2013 at the Blackett Laboratory, Imperial College, London. This important volume is a compilation of papers based on the presentations that were given at the symposium. The symposium profiled various aspects of Tom's long scientific career. The tenor of the meeting was set in the first talk given by Neil Turok, director of the Perimeter Institute for Theoretical Physics, who described Tom as our guru and example. He gave a modern overview of cosmological theories, including a discussion of Tom's pioneering work on how topological defects might have formed in the early universe during symmetry-breaking phase transitions. Wojciech Zurek of Los Alamos National Laboratory continued with this theme, surveying analogous processes within the context of condensed matter systems and explaining the Kibble Zurek scaling phenomenon. The day's events were concluded by Jim Virdee of Imperial College, who summarized the epic and successful quest of finding the Higgs boson at the Large...

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