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Sommario/riassunto   This book constitutes the refereed proceedings of the First
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2018, held in Beijing, Greece, in November/December 2018. The 24
full papers presented together with 7 short papers were carefully
reviewed and selected from 86 submissions. The topics involved
application cases in the big scientific data management, paradigms for
enhancing scientific discovery through big data, data management
challenges posed by big scientific data, machine learning methods to
facilitate scientific discovery, science platforms and storage systems for
large scale scientific applications, data cleansing and quality assurance
of science data, and data policies.