



Cosmic Shocks

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Cosmic Shocks:

Cosmic Shocks Torkom Saraydarian,1989-01-01 **Scientific and Technical Aerospace Reports** ,1985

Collisionless Shocks in the Heliosphere Bruce T. Tsurutani,Robert Gilbert Stone,1985 Scientific American ,1898

On the Escape of Particles from Cosmic Ray Modified Shocks ,2008 The solution of the problem of particle acceleration in the non linear regime when the dynamical reaction of the accelerated particles cannot be neglected shows strong shock modification When stationarity is imposed by hand the solution may show a prominent energy flux away from the shock towards upstream infinity This feature is peculiar of cosmic ray modified shocks while being energetically insignificant in the test particle regime The escape flux appears also in situations in which it is physically impossible to have particle escape towards upstream infinity thereby leading to question its interpretation We show here that the appearance of an escape flux is due to the unphysical assumption of stationarity of the problem and in a realistic situation it translates to an increase of the value of the maximum momentum when the shock velocity is constant On the other hand when the shock velocity decreases for instance during the Sedov Taylor phase of a supernova explosion escape to upstream infinity is possible for particles with momenta in a narrow range close to the maximum momentum Energy Research Abstracts ,1986 **Literature 1989, Part 1** Astronomisches Rechen-Institut,2013-11-11 From the reviews Astronomy and Astrophysics Abstracts has appeared in semi annual volumes since 1969 and it has already become one of the fundamental publications in the fields of astronomy astrophysics and neighbouring sciences It is the most important English language abstracting journal in the mentioned branches The abstracts are classified under more than a hundred subject categories thus permitting a quick survey of the whole extended material The AAA is a valuable and important publication for all students and scientists working in the fields of astronomy and related sciences As such it represents a necessary ingredient of any astronomical library all over the world Space Science Review Dividing the whole field plus related subjects into 108 categories each work is numbered and most are accompanied by brief abstracts Fairly comprehensive cross referencing links relevant papers to more than one category and exhaustive author and subject indices are to be found at the back making the catalogues easy to use The series appears to be so complete in its coverage and always less than a year out of date that I shall certainly have to make a little more space on those shelves for future volumes The Observatory Magazine *Literature 1985, Part 1* S. Böhme,U. Esser,Prof. Dr. W. Fricke,H. Hefele,Inge Heinrich,W. Hofmann,R. Krahn,V. R. Matas,Dr. Lutz D. Schmadel,G. Zech,2013-12-11 Astronomy and Astrophysics Abstracts aims to present a comprehensive documentation of the literature concerning all aspects of astronomy astrophysics and their border fields It is devoted to the recording summarizing and indexing of the relevant publications throughout the world Astronomy and Astrophysics Abstracts is prepared by a special department of the Astronomisches Rechen Institut under the auspices of the International Astronomical Union Volume 39 records literature published in 1985 and received before August 15 1985 Some older documents which we received late and which are not surveyed in earlier

volumes are included too We acknowledge with thanks contributions of our colleagues all over the world We also express our gratitude to all organiza tions observatories and publishers which provide us with complimentary copies of their publications On account of the introduction of an object index the scope of index information will be considerably enlarged beginning with this volume In connection with the subject index an additional source to satisfy the needs of retrieval is opened up Starting with Volume 33 all the recording correction and data processing work was done by means of computers The recording was done by our technical staff members Ms Helga Ballmann Ms Mona El Choura Ms Monika Kohl Ms Sylvia Matyssek Ms Karin Burkhardt Ms Susanne Schlotelburg and Mr Stefan Wagner supported our task by careful proofreading It is a pleasure to thank them all for their encouragement Heidelberg September 1985 The Editors Contents Introduction

The genuine works of Flavius Josephus: Containing four books of the Jewish war Flavius Josephus,1920 **The Physics of Collisionless Shocks** Gang Li,Gary P. Zank,Christopher T. Russell,2005-09 The 4th IGPP Astrophysics Conference proceedings discuss various aspects of collisionless shock physics in solar system plasmas including the microstructure of collisionless shocks wave activities at and near shocks particle acceleration at collisionless shocks and collisionless shocks in the outer heliosphere This volume can serve both as a summary of the current understanding of collisionless shock physics and as a starting point for future research especially for young scientists in this field High Energy Particles, Shock Waves and Magnetic Fields in the Large Scale Structure of the Universe Francesco Miniati,2000 **Scientific American Monthly** ,1920 Symposium International Astronomical Union,1953 **Government Reports Announcements & Index** ,1988

Memorials of Old Somerset Frederick John Snell,1906 *The Philosophical Review* Jacob Gould Schurman,James Edwin Creighton, Frank Thilly,Gustavus Watts Cunningham,1899 An international journal of general philosophy

High-energy Studies of Supernova Remnants and Neutron Stars Willem Hermsen,2004 *Contributed Papers* ,1999

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