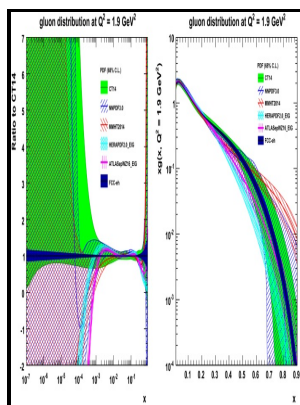


Particles in astrophysics and cosmology - from theory to observation : proceedings of an International Workshop on Particles in Astrophysics and Cosmology : from theory to observation : València, Spain, 3-8 May 1999

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Description: -

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Cosmology -- Congresses.
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-
Nuclear physics -- vol. 81.
Proceedings, supplements, Nuclear physics B -- 81. Particles in astrophysics and cosmology - from theory to observation : proceedings of an International Workshop on Particles in Astrophysics and Cosmology : from theory to observation : València, Spain, 3-8 May 1999
Notes: Includes bibliographical references and index.
This edition was published in 2000



Filesize: 27.72 MB

Tags: #Particles #in #astrophysics #and #cosmology #: #from #theory #to #observation #: #proceedings #of #an #International #Workshop #on #Particles #in #Astrophysics #and #Cosmology: #From #Theory #to #Observation #: #València, #Spain, #3

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Therefore it is of vital importance to understand and thereby build models capable of predicting the characteristics of SEP events. Crater walls, among other skating surfaces, are good tracers of the space-weathering process because they mature differently depending on the varying incident angles of weathering agents.

ASCA Conference proceedings

San Francisco: Astronomical Society of the Pacific, 2001.

Particles in astrophysics and cosmology : from theory to observation : proceedings of an International Workshop on Particles in Astrophysics and Cosmology: From Theory to Observation : València, Spain, 3

The energy density in the relativistic particles that preceded the rapidly expanding magnetic cloud was so intense that the compression front expanded with a sub fast mode speed v . Edited by Fumiyoshi Makino and Takaya Ohashi.

solar wind particles: Topics by Science.gov

In addition to the ion response, measurements of the response of these emulsions to a photon flux simulating the visible portion of the solar spectrum were made. This characteristic is used here to distinguish between folded back magnetic fields which would contain rotational discontinuities and tangential discontinuities using Ulysses high latitude, high speed solar wind data. An enhancement of this order of magnitude in CNO group ions was measured by the ion composition experiment on Wind in association with these bursts.

ASCA Conference proceedings

Bodies with little sensible atmosphere may still produce an exosphere of sputtered matter when exposed to direct solar wind impact.

Gerard 't Hooft

The stochastic and shock acceleration theories in flares are reviewed and the implications of observations on particle energy spectra, particle confinement and escape, multiple acceleration phases, particle anisotropies, and solar atmospheric abundances are discussed. They follow the interplanetary magnetic field and, upon reaching Earth, have implications for space weather. Turbulence is a chaotic flow regime filled by irregular flows.

Gerard 't Hooft

X-Ray Imaging and Spectroscopy of Cosmic Hot Plasmas, Proceedings of an International Symposium on X-ray Astronomy ASCA Third Anniversary, 11-14 March, 1996, Waseda University, Tokyo. The goal of this collaboration is to develop a reservoir of solar wind collectors of known cleanliness to be available to investigators. Four flare events were selected which have SEP abundance ratios approximately independent of energy per nucleon.

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