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Workshop on Ion-Aerosol-Cloud Interactions CERN, 18-20th April 2001



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Aims of the workshop

- The [European Geophysical Society](#), the [European Physical Society](#) and the [European Science Foundation](#) are co-sponsoring an inter-disciplinary workshop to review the present knowledge of ion-aerosol-cloud interactions and their possible role in solar-climate variability, and to discuss the experimental requirements, design and experimental programme of the proposed Atmospheric Research Facility using a particle beam at CERN.

Workshop overview

- The workshop will cover:
 - The variability of galactic cosmic rays (GCRs) on Earth due to changes in the heliosphere and magnetosphere, and its possible role in climate variability.
 - The effects of GCR ionisation in the atmosphere on aerosol nucleation, growth, and activation into cloud droplets, and on ice nuclei.
 - Present and future experiments to study ion-aerosol-cloud interactions.
- The format of the 2.5 day workshop is as follows: 1.5 days of plenary talks followed by 0.5 days of parallel working group sessions and finally closing with 0.5 days of plenary working-group summary talks.

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