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# BIBLIOGRAPHY OF PARTICLES AND FIELDS RESEARCH

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GODDARD SPACE FLIGHT CENTER  
GREENBELT, MARYLAND

# **BIBLIOGRAPHY OF PARTICLES AND FIELDS RESEARCH**

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## NOTES

This bibliography is intended to be a comprehensive list of all published scientific papers on particles and fields research, beginning in 1957. It is organized into 9 subject categories, and inside each category entries are listed alphabetically by first author. Since there has been no duplication or cross-referencing of cards, one may have to hunt a bit to find a particular paper.

In organizing into subjects, there arose questions about which area a particular paper belongs in. For example, some of the Injun papers on high latitude particle measurements could go into either "Radiation Belts" or "The Aurora." Some measurements on the distant magnetic field could go into either "The Magnetic Field of the Earth and Planets" or "The Solar Wind and its Effects on the Earth."

In the Galactic Cosmic Ray section we have emphasized those parts of the subject that treat experiments carried out on balloons and rockets, such as measurements of the charge spectrum, and we have neglected ground-based work such as muons and extensive air showers.

In organizing the bibliography we have surveyed all of the usual periodicals and have also employed 15 other bibliographies, but undoubtedly articles have been overlooked, and some articles may have been included which are not really appropriate. We have not included any material on shielding or dosimetry. We have included only a few internal reports; that is, documents that are not in the open literature: these are included only when they are significant and readily available.

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SECTION I  
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THE SOLAR WIND AND ITS EFFECTS ON THE EARTH

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SECTION II  
*See Also I, III, IV, VII, VIII*

RADIATION BELTS

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Section III  
*See Also II*

ARTIFICIAL RADIATION BELTS

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SECTION V  
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SECTION VI  
*See Also I, V*

GALACTIC COSMIC RAYS

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## SECTION VII

*See Also I, IV*

### GEOMAGNETISM

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## Section VIII

### NEUTRONS

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## Section IX

### GENERAL

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