

Preface

A complete verbatim record of the informal Conference on Sector-Focused Cyclotrons was prepared by a stenotypist. Transcripts of the individual contributions, and of the longer comments during discussions, were forwarded to the individuals concerned for corrections, references, and reproducible figures. At the same time the complete transcript of each session was sent to the session chairmen for review and for the preparation of introductory comments and/or summary. The contributors were most cooperative and, for the most part, manuscripts were returned promptly.

Since no prior attempt had been made to establish more than a general program, listing interest areas, the sessions grew as participants found that they had something to contribute. Consequently, much of the material was presented somewhat extemporaneously from slides, freely supplemented with blackboard illustrations; very few papers were read. In editing the Proceedings an attempt has been made to preserve the informality and spontaneity of the presentations and discussions.

The Editor had hoped to have the Proceedings ready for distribution within six months. However, due perhaps to the extemporaneous nature of some of the presentations (or perhaps because the contributors were back home working furiously on their machines), the last papers were recovered only after considerable delay. To avoid further delay in publication, the reassembled sections have not been returned to the chairmen or the Program Committee for review. The Editor remains responsible for any liberties taken in rearranging or further editing of the materials.

The original sequence of areas of interest and presentation of papers has been preserved almost intact. The only significant change is the distribution among the related sessions of papers given in an "overflow" session. The variation in terminology used by the several groups active in this new field of development is somewhat confusing. An attempt was made to maintain a rather consistent usage for at least the terms "radial focusing" and "axial focusing." Other terms and symbols varied considerably but, since they were reasonably well defined as used, no attempt was made to obtain uniform usage.

The Proceedings represents a considerable body of cyclotron operation experience and of theoretical, design, and testing work, informally presented. The authors have been encouraged to consider separate publication of this work. It's hoped the work here will remain a very useful summary of cyclotron lore.

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