FFAG 2007

ID de Contribution: **5** Type: **Oral presentation**

Sector Magnets –edge effect an exercise with the Polymorphic Tracking Code [PTC]

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Using the sector magnet wedges improves focusing in the vertical plane,
reduces orbit offsets and tune variations of the non-scaling FFAG. There is a
problem in a correct treatment of the wedge effect in the combined function
magnets in the existing accelerator physics codes. To eliminate potential
problems of the sector magnet with wedges a new magnet without wedges is
constructed but using new bending angle. Comparisons between of these two
kinds of sector magnets used in the non-scaling FFAG lattice are described.

Summary

This is one of the most important magnet properties in the non-scaling FFAG
and their applicaitons. Tools used have to be correct.

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Classification de Session: Working groups sessions

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