

REPORT ON JINST_050P_1110

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TITLE: Results from a Prototype Chicane-Based Energy Spectrometer for a Linear

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Referee report

The article seems enough comprehensive and detailed.

I would like to ask some questions and make some remarks.

1. Page 3. A plot of dispersion function in Fig. 1 may be quite informative.
2. Page 4. A sketch of the cavity BPMs can be a good illustration of the BPM description.
3. Page 4. Use of a NMR-based feedback for automatic control of the magnet power supply can help to stabilize the magnetic field. Was such possibility considered?
4. Page 5. How the matrix for SVD is obtained?

5. Page 12. What is the characteristic time of the fast fluctuations of magnetic field?

6. Page 13. Was the parasitic vertical dispersion estimated?

Best regards.