

An Experimental Method of Aberration Correction for High Resolution Mass Spectrometers,
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Lyon; R. MEUNIER, CSNSM Orsay - A new method for
the experimental correction of aberrations has been studied
successfully. It provides a simple and accurate way to shim
a magnetic spectrometer dipole. It uses only a small
emittance beam steered on different trajectories in order to
construct the "aberration figure" of the system. Then, the
needed shimming is calculated and set up.