

Simulations and measurement results of a radially coupled fast faraday cup with increased signal strength





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Comparing different FFCs in simulations and measurements



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- The first partially 3D-printed FFC tested @GSI X2
- FFC arrays on only two feedthroughs possible







---- Bias: -50.00

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ACFFC

Let's talk about:

- Signal shapes due to secondary electrons of the different types
- See measurement results for different ion-beams
- Usage of RCFFC's as longitudinal emittance scanners
- And more!

ACKNOWLEDGMENT



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16.8 -

HC-RCFFC

-238

-208

-179

-149

-120

-90

60

31

- 1

-27

10

(mV)

Volt