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## **Vibrational study of the booster and collider supporting system**

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The FCC-ee arc half-cell mock-up project team is currently developing a Short Straight Section demonstrator, combining experimental measurements and simulations to evaluate the vibrational budget of various elements including the feet, the support, the magnets, etc. The results of this study have shown that vibrations will have a non-negligible effect on the stability of the magnet's magnetic center, and consequently on the stability of the particle beam.

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