



AIDA²⁰²⁰

Advanced European Infrastructures
for Detectors at Accelerators

T9.3 final status

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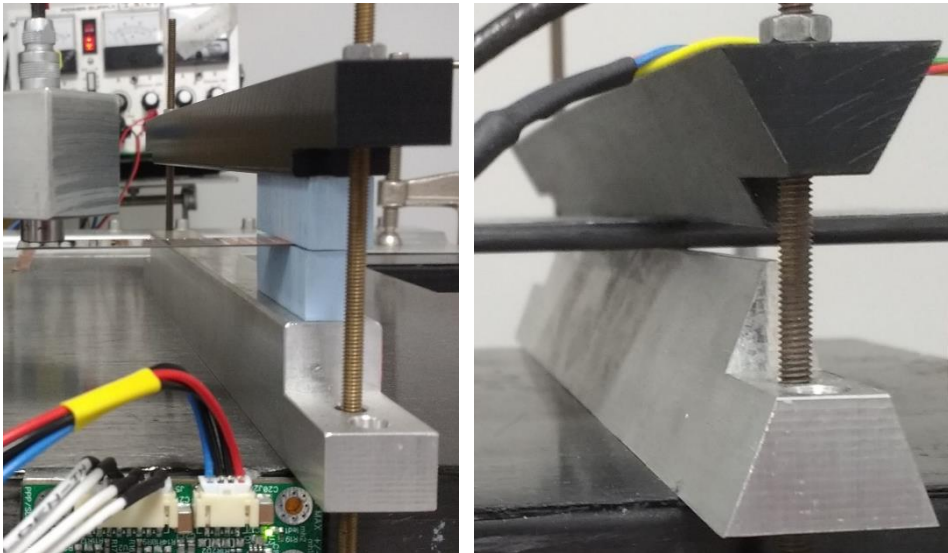


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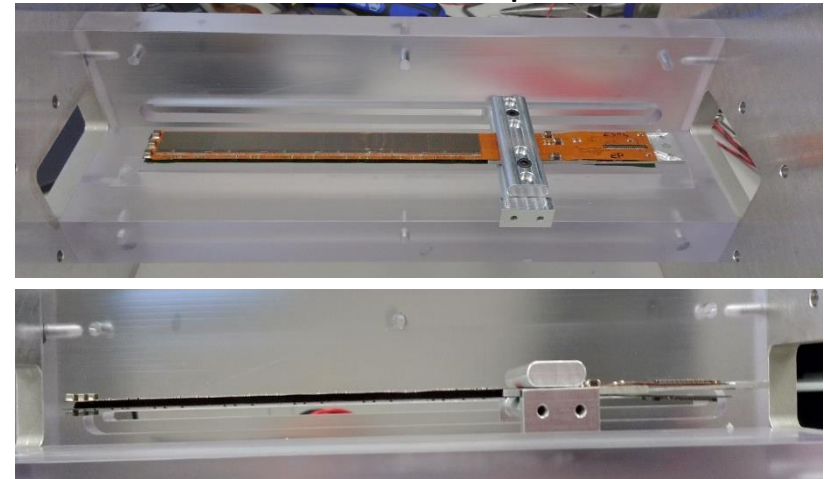


- **We have submitted D9.7 Report on standard procedures for characterization and qualification**
 - This is a wrap-up of what we have done
 - But not the end of our activities
 - Report discusses support conditions as one topic of standardization
 - Ideally would want to have final support of detector structures (ladders or disks), but in reality these are rarely available
 - Our setups provide simple clamping interfaces for fixed and free support conditions.

Vibration setup



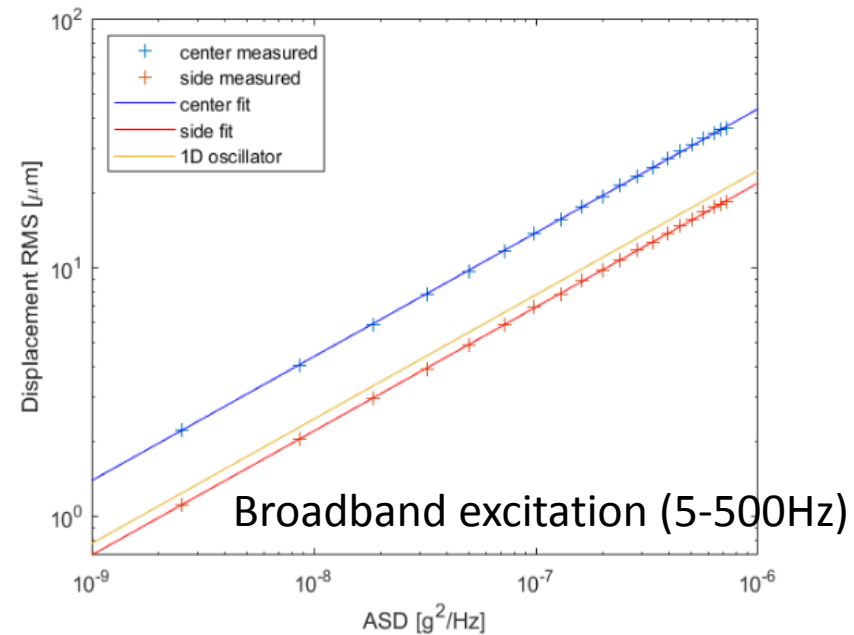
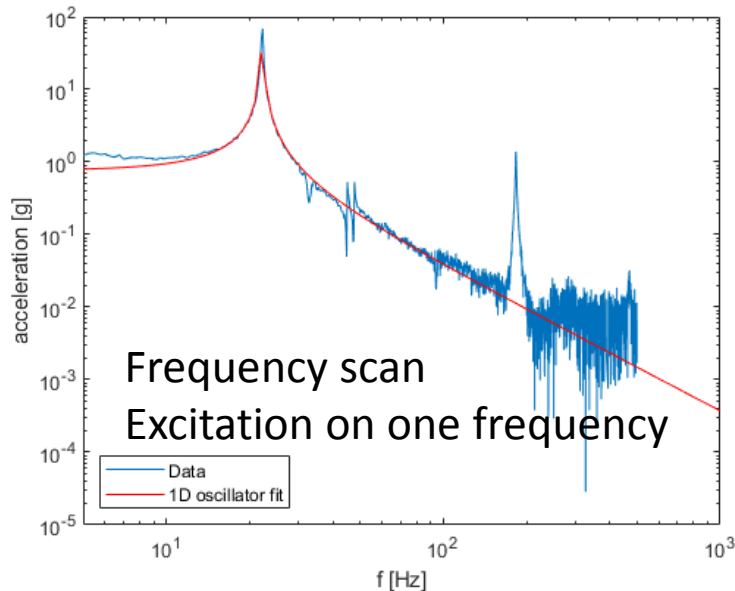
Air-flow setup





- **Continuing studies using vibration table**

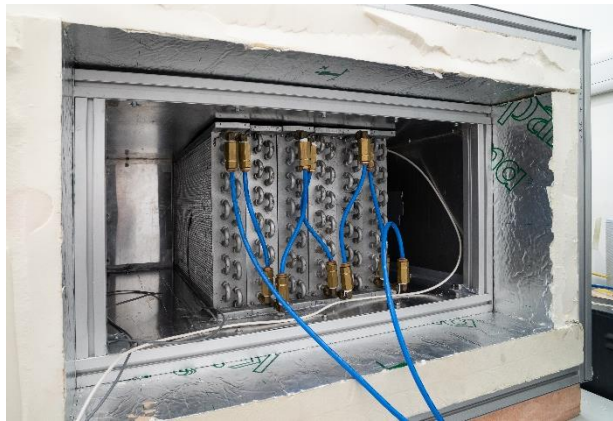
- We measure displacement of the device under test from a steel base table
- The vibration table is mounted on this table and moves with respect to that
 - The device under test is mounted on the vibration table and moves with respect to both
- We are now subtracting displacement of vibration table from displacement of device under test
- This allows for a better comparison with simple 1D theory
- And it removes table distortions effects.





- **Other continuing activities**

- Put on hold by Covid, but we will continue after that (even though AIDA2020 is officially over)
- Air flow setup
 - Built a new HEX to allow for chilled air flow
 - Have started to run, but no systematic studies yet



- Studying new low-mass retroreflectors for FSI
 - $n=2$ glass spheres, 1mm diameter
 - First look is promising
- **These activities will be useful if we continue in AIDAnova, but do not depend on that**
 - We are still interested in users visiting with devices they like to test