

## Stretched wire measurements of magnet girders

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Two magnet girders have been installed in the context of the ESRF upgrade. These girders have been measured and fiducialized with an *in situ* moving stretched wire measurement bench. The four magnets of each girder have been aligned on the axis defined by the wire, with a 20  $\mu\text{m}$  RMS error. The position of the wire was transferred to the survey monuments with a RMS error estimated at 50  $\mu\text{m}$ . Harmonic measurements have been performed on one of the complete girders.