

## 7th Beam Telescopes and Test Beams Workshop



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# The INSULAb telescope: a modular and versatile tracking system for beam tests

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The main features of the high performance INSULAb telescope are presented. The detector consists of several silicon microstrip layers with different widths and pitches, thus guaranteeing a good compromise between high spatial resolution (down to  $\sim 5 \mu\text{m}$  for smaller layers owing to analog readout and floating strip scheme) and wide transverse coverage (up to  $\sim 10 \times 10 \text{ cm}^2$  for bigger layers). The large number of strips per layer makes particle multiplicity measurement possible as well, even for high intensity beams. Since each x-y module comes with independent electronics and mechanics the telescope fits several different beam test configurations; a survey on all the 2018 applications is presented.

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