

E-JADE is a Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE) action, funded by the EU under Horizon2020



E-JADE Mid-Term Review

E-JADE and the ATF beam stability goal

Neven Blaskovic Kraljevic / WP2

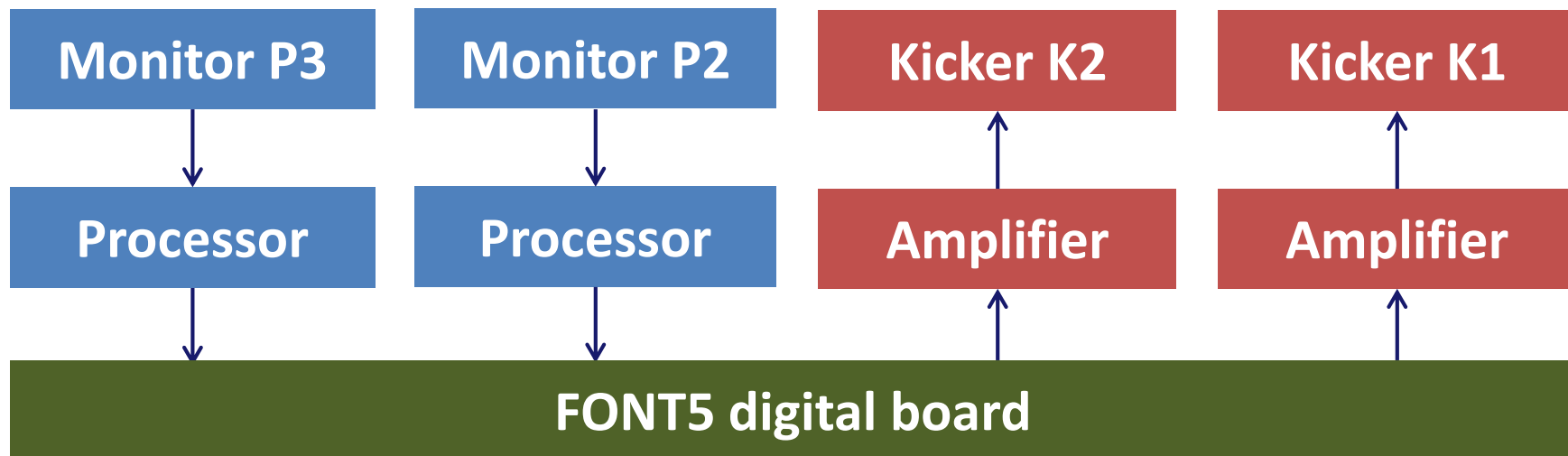


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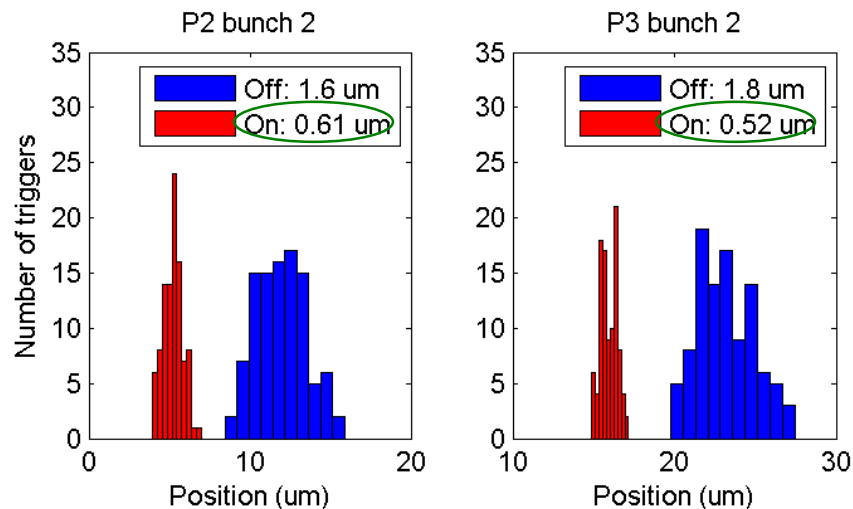
About me

- Neven Blaskovic Kraljevic, postdoctoral research assistant in Accelerator Physics
- 2011: MPhys degree in Physics at Oxford
- 2015: DPhil degree in Accelerator Physics at Oxford
- Working on the Feedback on Nanosecond Timescales (FONT) project to ensure successful bunch collisions at a future linear collider by steering the beams into collision
- Testing our FONT prototype at the Accelerator Test Facility (ATF) at KEK in Japan: a prototype of the International Linear Collider (ILC)
- In E-JADE working on WP2: Nanometre-scale beam handling at the ATF
- E-JADE secondments to ATF (KEK): so far 7 weeks in 4 trips

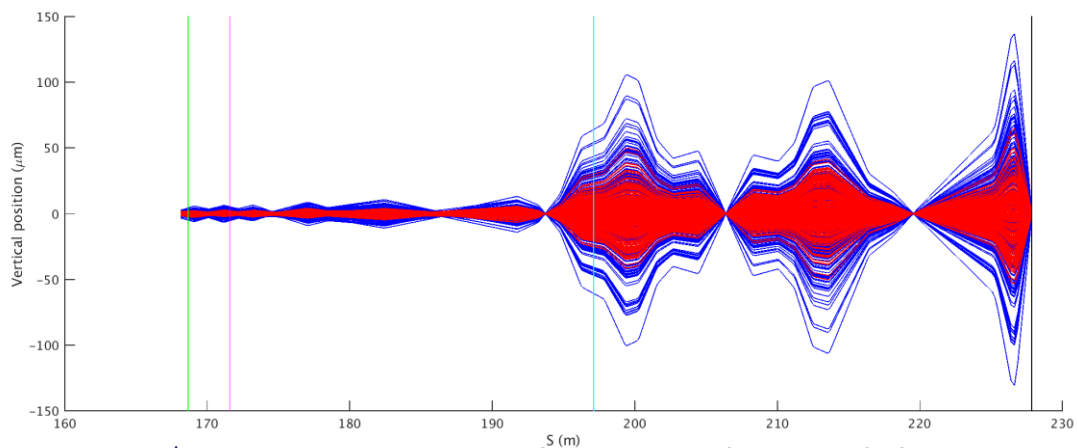
Research at ATF



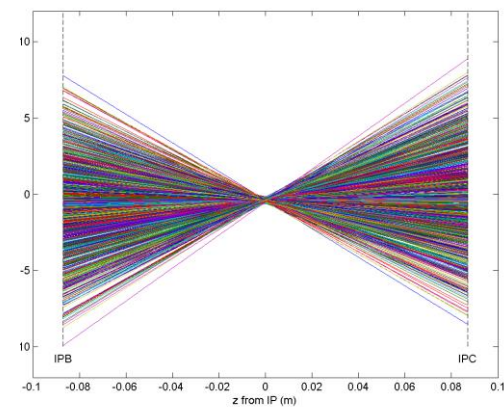
Results at ATF



▲ Stabilising the beam to under a micron

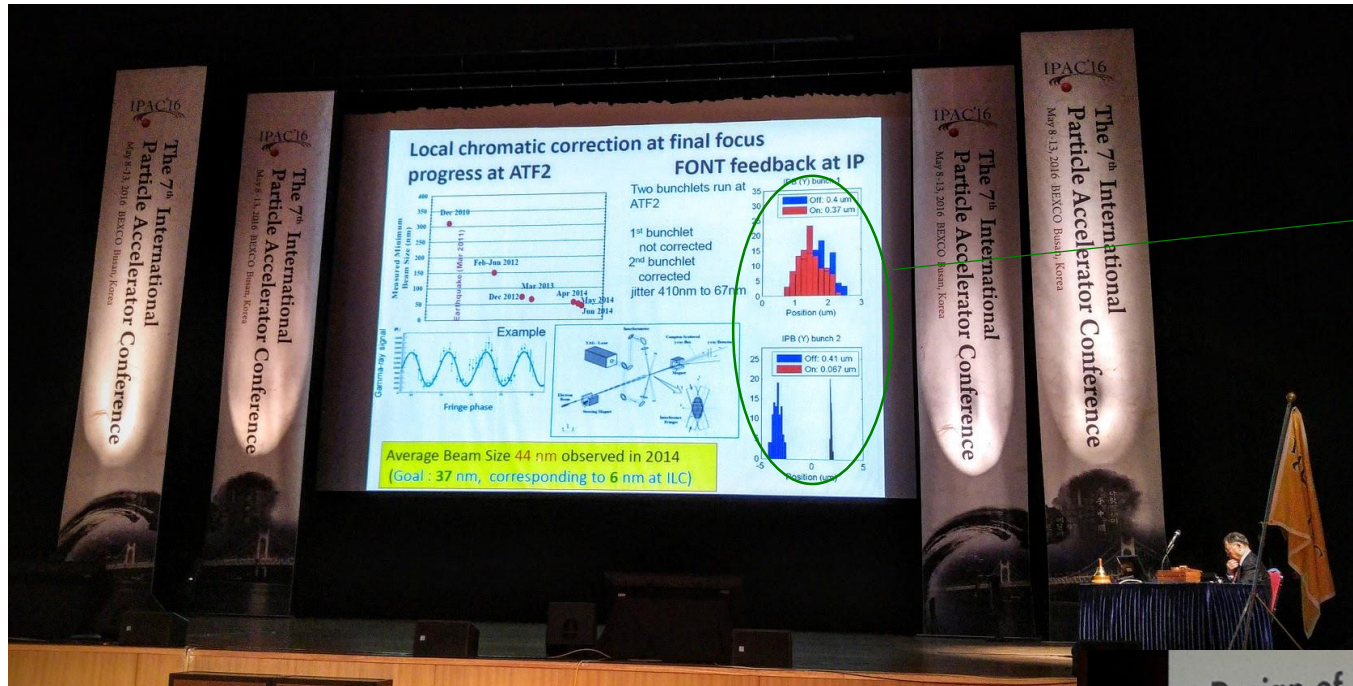


▲ Propagating results using the model



▲ Measured positions

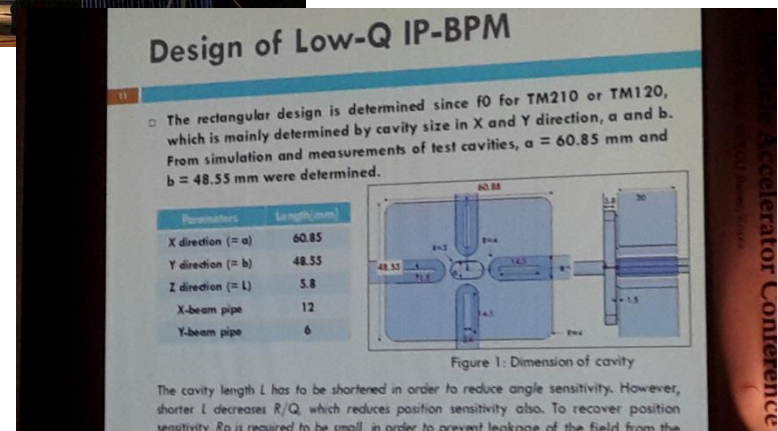
Talks



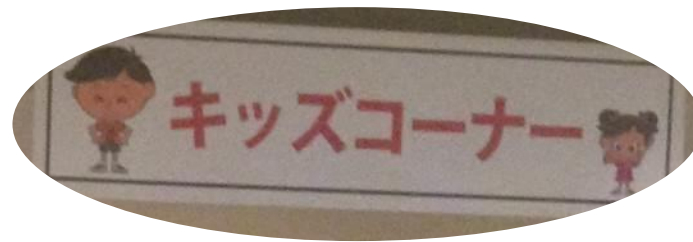
Our results!

▲ Opening invited talk by Sachio Komamiya at the International Particle Accelerator Conference (IPAC), 2016

▶ Contributed talk by Siwon Jang (Korea) with Japanese, UK and French colleagues at IPAC, 2016



Time off shift



Ki zzu kō nā
Kids' corner