

# *Detailed geometry around the IP*

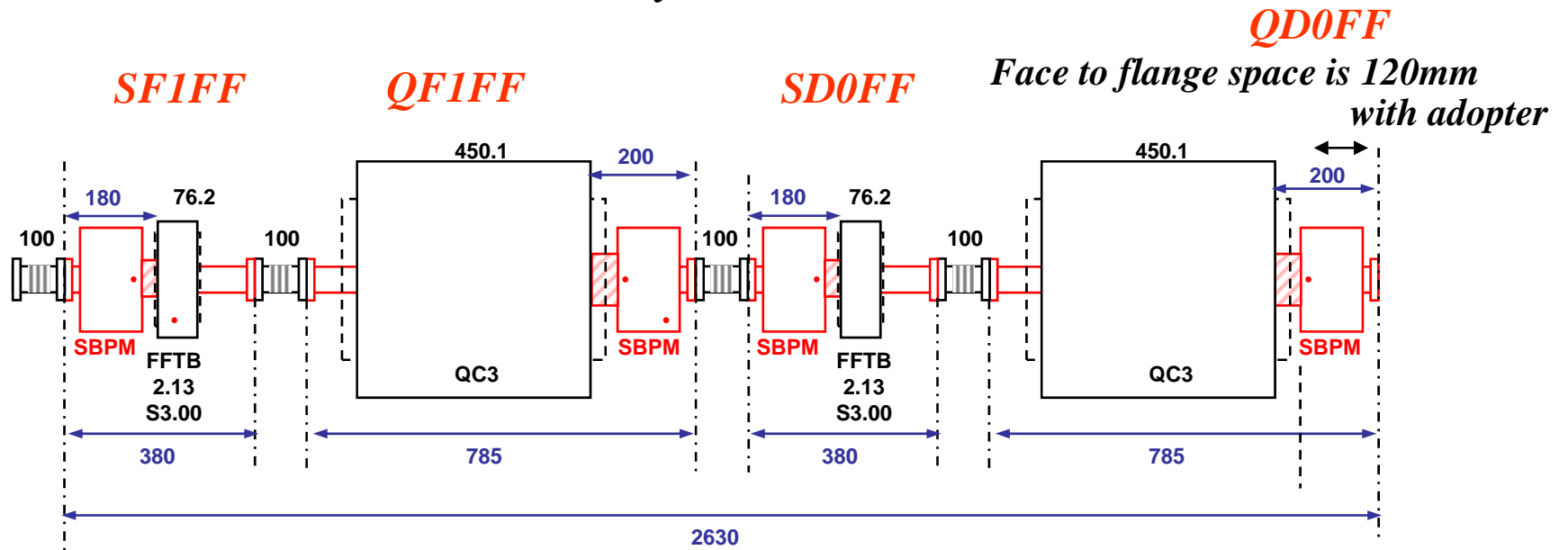
*Toshiyuki Okugi (KEK)*

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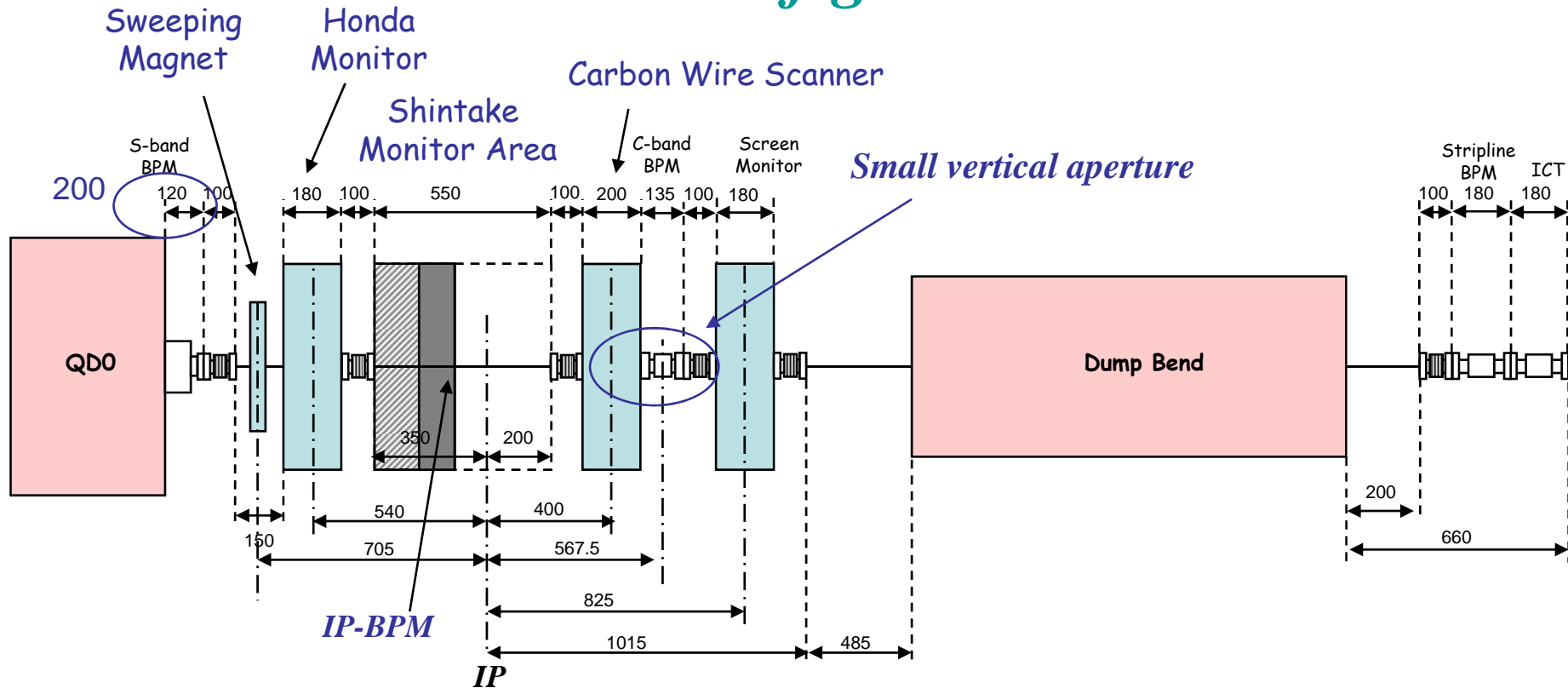
# Final Doublet Table Configuration

Mark Woodley's device list



*These components will be on the table.*

# IP configurations



*We must fix the follows ...*

## *C-band BPM*

--- *This BPM is very important for Quad-BPM offset measurement, especially for the measurement of the final doublet QD0, QF1, but the vertical aperture is almost same to QD0 (minimum aperture).*

## *Sweeping Magnet*

--- *Sweeping magnet is used for the vertical beam position at IP & IP FB. 70mm is difficult to put the sweeping magnet !*

## *Sweeping Magnet*

*Horizontal Sweeping* ---- by QD0 horizontal position change

*Vertical Sweeping* ---- by stripline kicker

### *Original Design*

*Flange to Flange Length* 150 mm

*Electrode Length* 80 mm

*Electrode Gap* 40 mm

*Power Supply Specification* DC +/- 50V ( +/- 1A ), double pulse , bipolar

*Kick Angle at IP* 6.1nrad / V

*Dynamic Range* +/- 216nm

- enough for Shintake monitor, carbon wire and IP FB.
- However, it is too weak for Honda monitor .

### *How to put all of the devices in the limited space ?*

*Is it possible to shorten*

- the length of the stripline kicker ?
- the Shintake monitor support table thickness ?
- the thickness of the adopter of S-band BPM ?
- the length of Honda monitor ?