WP4-Task5: Integration

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Baseline Module layout LINAC1 (up to 2 GeV) OLD

Module length: 8.52 m; RF-fill factor: 42%

1kHz@6MW Klystron/Modulator

100Hz@50MW Klystron/Modulator

Power Switch

Mode converters + circular WG

PC

Splitter

Sector valve

Acc-Structure

BPM

Correc

Quad

Acc-Structure

BPM

Quad

Conn+ DN40PP
Baseline Module layout LINAC1 (up to 2 GeV) **NEW**

- **1kHz@6MW** Klystron/Modulator
- **100Hz@50MW** Klystron/Modulator
- **Power Switch**
- **Mode converters** + circular WG
- **PC**
- **Splitter**
- **Sector valve**
- **Conn.**
- **Acc-Structure**
- **Quad**
- **BPM&Corrector**
- **Two WFM per AS with pumping**

**Module length: 5.10 m; RF-fill factor: 71%**
Baseline Module layout LINAC2 (up to 5.5 GeV) OLD

Module length: 6.74 m; RF-fill factor: 53%
Baseline Module layout LINAC2 (up to 5.5 GeV) **NEW**

1kHz@6MW Klystron/Modulator

Power Switch

Mode converters + circular WG

PC

Splitter

Sector valve

Conn

Quad

Quad

Acc-Structure

Acc-Structure

Acc-Structure

Acc-Structure

Acc-Structure

Acc-Structure

Quad contains BPM&Corrector

Two WFM per AS with pumping

Module length: 4.76 m; RF-fill factor: 76%
Thank you!

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