

Acceleration Complex for NF-IDS

The new baseline to accelerate muons to 10 GeV is presented. It involves a single pass linac to 0.8 GeV, followed by 4.5-pass RLA to 2.8 GeV and finally another 4.5-pass RLA to 10 GeV. All linacs are based on 201 MHz SRF with different styles of cryo-modules. The accelerator complex assumes a horizontal in-plane layout of all tree components, with compact transfer lines (a double-arc chicane) in between. Linear lattices for all beam-lines are described.

Primary author: Dr BOGACZ, Alex (Jefferson Lab)

Presenter: Dr BOGACZ, Alex (Jefferson Lab)

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