

Summary of Critical Tasks Remaining

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Summary of Critical Tasks Remaining

- Beam dynamics and collective effects
- System conceptual design and final specifications
- Costing
- TDR Documentation
- TDR Writing

Summary of Critical Tasks Remaining

– Beam dynamics and collective effects

- Dynamic aperture with magnet errors
- Sensitivity to misalignment errors
- Evaluation of IBS effect

- Evaluation of FII effects for the new lattice (done for DSB3)
- Evaluation of e-cloud effects for the new lattice including full 3D simulation of synchrotron radiation and high power configuration
- Evaluation of impedance (done for DCO4) and single and multibunch instability thresholds for the new lattice

– System conceptual design and final specifications

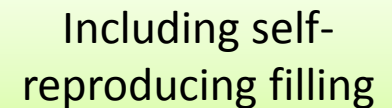
– Costing

– TDR Documentation

– TDR Writing

Summary of Critical Tasks Remaining

- Beam dynamics and collective effects
- System conceptual design and final specifications
 - Fill pattern and harmonic number selection
 - Final straight sections layout
 - Complete specifications for CFS group
 - Transfer lines up to the interface point for the 2 e⁺ rings option (including splitter and merger for 2 e⁺ rings)
 - Define number of correctors/skews
 - **Vacuum system design**
- Costing
- TDR Documentation
- TDR Writing



Including self-reproducing filling