# Working Package "SIS100 Beam Dynamics" Status April 2019

| Topic | Responsible |
|---|---|
| Instabilities & mitigation: TFS, octupoles and SC | V. Kornilov |
| Simulations: beam-loss, transverse emittance | MADX code: V. Chetvertkova<br>Elegant code: V. Kornilov |
| Slow extraction | S. Sorge |
| Main magnets: field quality | V. Kornilov |
| RF cycles & stability with high-intensity | $p^+$ cycles: Y. Yuan (TU Da)<br>$U^{28+}$ cycles: M. Kirk (SYS) |

| Topics, presently not covered |
|---|
| Bunch Compression, Transition Crossing |
| Resonance Correctors |

Working package leader: V. Kornilov
wiki.gsi.de/foswiki/bin/view/SIS100BD/WebHome