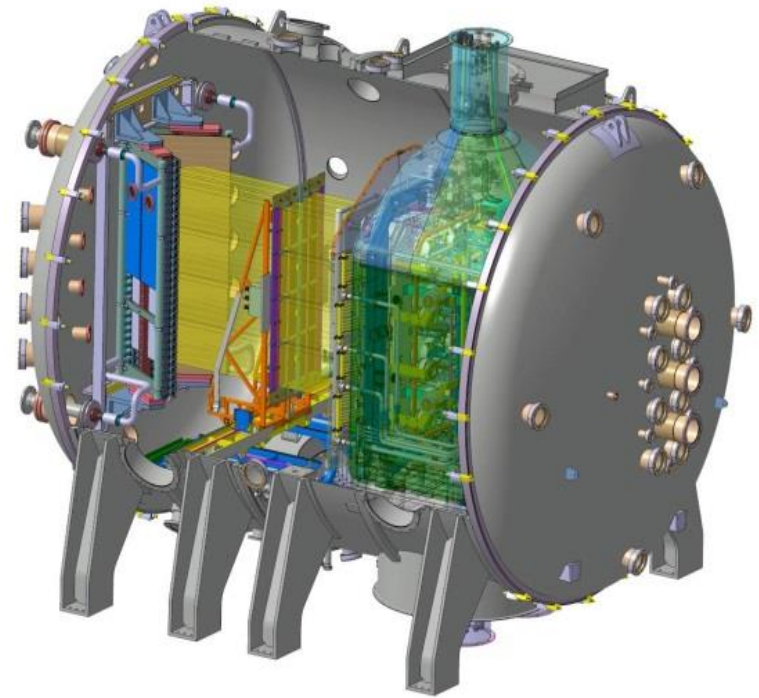


The ITER Neutral Beam Test Facility toward SPIDER operation

The realization of SPIDER, the full-size prototype of the radiofrequency ion source for ITER NBIs is well advanced, the integration and testing of SPIDER components and the completion and implementation of diagnostics and control are in progress and the operation and research plan, based on a staged strategy, outlined.

The SPIDER first experimental phase will start in early 2018



SPIDER Experiment

The experimental period will be dedicated to exploit the SPIDER mission: to achieve the ITER target requirements in an ion source of the same characteristics and size and to improve its performance in terms of reliability and availability, thus contributing to a significant risk mitigation for the successful operation in ITER