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Talk 2: So, you need to do a proton test and have no clue why or how

Thursday 13 June 2024 14:35 (20 minutes)

Abstract:

This talk tries to give answers to the following questions of less experienced people:
Why do I need to test with protons? What radiation effects are covered? When do I need a proton test and when are other particle types better (heavy ions, neutrons)? How do I need to prepare my device under test (DUT)? What is the relevant dosimetry? What flux and fluence do I need for which effect? What is NIEL? What about radiation protection (I am scared already)? What limits my test setup? Can I take my DUTs and measuring equipment back home with me?

Presenter: HÖFFGEN (FRAUNHOFER INT), Stefan

Session Classification: Session 6: Protons and Heavy ions: The User's Perspective