

RF-only ST plasma confinement, sustainment, and interactions with wall materials

24-March

9:00-9:10 Vladimir Shevchenko / Hanada

WS purpose and agenda

9:10-10:10 Alf Köhn (Max Plank Institute for Plasma Physics)

Microwave-plasma interactions in a low-temperature stellarator

10:10-10:20 Coffee Break

10:20-11:20 Vladimir Shevchenko (Culham Centre for Fusion Energy)

Present status of ST25 and progress with ST40

11:20-12:20 Roger Raman (University of Washington)

CHI System Design and Plans on NSTX-U and QUEST

= Lunch Time =

13:45-14:25 Yuichi Takase (The University of Tokyo)

LH Ip Ramp-up Experiments on TST-2

14:25-15:05 Naoto Tsuji (The University of Tokyo)

Measurement of lower-hybrid waves with microwave scattering on TST-2

15:05-15:15 Coffee Break

15:15-15:45 Kazuaki Hanada (Kyushu University)

Progress and Plans of QUEST Experiments

15:45-16:15 Hiroshi Idei (Kyushu University)

New 28 GHz and 8.5 GHz systems and its application to QUEST experiments

16:15-16:45 Ryota Yoneda (Kyushu University, D1)

2nd Harmonic Electron Cyclotron Break Down in QUEST

16:45-17:25 Masaaki Uchida (Kyoto University)

EBW start-up experiment in LATE

25-March

9:00-9:40 Shabbir Khan (Kyoto University)

Kinetic full wave modeling in inhomogeneous plasmas

9:40-10:30 Atsushi Fukuyama (Kyoto University)

Modeling of EC heating and current drive in QUEST plasmas

10:30-11:00 Md Mahub Alam (Kyushu University, D2)

Current Density Profile Estimation from High Energetic Electron Orbits

11:00-11:10 Coffee Break

11:10-11:40 Arseniy Kuzmin (Kyushu University)

Plasma Permeation Diagnostics in QUEST

11:40-12:40 Naoaki Yoshida (Kyushu University)

Study on Plasma-Wall Interaction in QUEST equipped with High Temperature

Tungsten Wall Aiming for Active Particle Control

= Lunch Time =

PM (Drafting of proposals for experiments, diagnosis, and analysis)

13:30- All Suggested focus and output for this joint drafting session

15:30- Summary