

11th QUEST Workshop
“RF startup and sustainment in Spherical Tokamak”
Agenda, RIAM 2023

2nd February AM

10:00 -10:10

Yuichi Takase / Kazuaki Hanada

WS purpose and agenda

10:10 - 10:30

Kazuaki Hanada

Dependence of wall saturation time on wall temperature in QUEST

10:30 - 11:10

Takumi Onchi

Report on the ECH experiment in QUEST 2022 campaign

11:10 - 11:50

Ryuya Ikezoe

Probing of fast electrons and corresponding kinetic modes on QUEST

11:50 - 13:30 **Lunch**

2nd February PM

13:30- 14:10

Kengoh Kuroda

Development of transient CHI startup using a new electrode configuration on QUEST

14:10 - 14:50

Shin Kubo

Study on the electron Bernstein wave detection using HCN laser scattering on QUEST

14:50 - 15:30

Hitoshi Tanaka

Present Status of LATE Experiment (Remote)

15:30 – 15:50

Coffee Break

15:50 - 16:20

Atsushi Fukuyama

Modeling of O-X-B mode conversion on QUEST

16:20 - 17:00

Yuichi Takase

Achievements and Future Plans at Tokamak Energy

17:00 - 17:40

A. Köhn-Seemann

Simulation of the O-X mode conversion in MAST Upgrade (Remote)

17:40 – **Group Photo**

3rd February AM

10:00 - 10:40

Naoto Tsuji

Studies of RF start-up on the TST-2 spherical tokamak

10:40 - 11:20

Masayuki Ono

X-I mode for efficient solenoid-free ECCD plasma current start-up and ramp-up for fusion reactor

11:20 - 12:00

Luis F. Delgado-Aparicio

Off-axis seed and growth of runaway electrons in MST tokamak plasmas

12:00 - 13:00 **Lunch**

3rd February PM

13:00 - 13:40

Luis F. Delgado-Aparicio

X-ray imaging crystal spectrometer US-Japan collaboration for JT60SA

13:40 - 14:20

Syunichi Shiraiwa

Integration of RF sheath BC to a large electro-magnetic wave simulation

14:20 - 15:00

Nicola Bertelli

ICRH simulations of ITER antenna and a comparison with different RF solvers

15:00 - 15:10

Coffee Break

15:10 - 16:00

Discussion on future plan in AFRC (QUEST)

All suggested focus and output for this joint drafting session

16:00 -

Drafting of proposals for experiments, diagnosis, and analysis

17:00 -

Summary