

# Non-linear MHD modelling of pellet triggered ELM in JT-60SA

*Thursday 13 May 2021 18:25 (20 minutes)*

The non-linear MHD simulations are performed to model the pellet triggered ELMs in JT-60SA. The target plasma equilibrium is reproduced from the calculation of ELMy H-mode by CRONOS simulation.

## Country or International Organization

Spain

## Affiliation

Universitat Politècnica de Catalunya

**Authors:** FUTATANI, Shimpei (Department of Physics, Universitat Politècnica de Catalunya (UPC), Barcelona); PAMELA, Stanislas (CCFE - UKAEA); Dr DE LA LUNA, Elena (Laboratorio Nacional de Fusión, Asociación EURATOM--CIEMAT); GARCIA, Jeronimo (CEA IRFM); GARZOTTI, Luca (United Kingdom Atomic Energy Agency - Culham Centre for Fusion Energy); HUIJSMANS, Guido (ITER Organization); HOELZL, Matthias (Max Planck Institute for Plasma Physics)

**Presenter:** FUTATANI, Shimpei (Department of Physics, Universitat Politècnica de Catalunya (UPC), Barcelona)

**Session Classification:** P6 Posters 6

**Track Classification:** Magnetic Fusion Theory and Modelling