



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 254

Type: **Poster (Non-Student)** / **Affiche (Non-étudiant(e))**

(POS-40) The stationary ELM-free H-mode with quasi-coherent mode on EAST

Tuesday 10 June 2025 18:10 (2 minutes)

A stationary ELM-free H-mode has been observed on EAST by RF dominant heating with low input torque. This ELM-free H-mode regime always features an edge quasi-coherent mode which seems to be responsible for enhanced particle transport losses. The edge E_r plays an important role in the mode excitation, and the mode's appearance and disappearance are correlated with edge E_r .

Keyword-1

ELM free

Keyword-2

quasi-coherent mode

Keyword-3

E_r

Author: Prof. ZHOU, Chu (University of Science and Technology of China)

Presenter: Prof. ZHOU, Chu (University of Science and Technology of China)

Session Classification: DPP Poster Session & Student Poster Competition | Session d'affiches DPP et concours d'affiches étudiantes (7)

Track Classification: Technical Sessions / Sessions techniques: Plasma Physics / Physique des plasmas (DPP)