



Contribution ID: 47

Type: **not specified**

Tomographic Capabilities of the new GEM based SXR diagnostic of WEST

The tokamak WEST (Tungsten Environment in Steady-State Tokamak) will start operating by the end of 2016 as a test bed for the ITER divertor components in long pulse operation. In this context, radiative cooling of heavy impurities like tungsten (W) in the Soft X-ray (SXR) range [0.1 keV; 15 keV] is a critical issue for the plasma core performances [1]. Thus reliable tools are required to monitor the local impurity density and avoid W accumulation.

Primary author: Mr JARDIN, Axel (CEA)

Co-authors: Mr WOJENSKI, Andrzej (IPPLM); Dr MAZON, Didier (CEA Cadarache); Mr KASPROWICZ, Grzegorz (Creotech); Dr O'MULLANE, Martin (University of Strathclyde); Dr CHERNYSHOVA, Maryna (Institute of Plasma Physics and Laser Microfusion); Dr CZARSKI, Tomasz (Institute of Plasma Physics and Laser Microfusion)

Presenter: Dr MAZON, Didier (CEA Cadarache)