

Magnetic Fusion and ITER : new challenges for diagnostics

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"Magnetic Fusion is entering a new phase with the inception of the ITER project. Europe is becoming the centre of world research in fusion with its headquarters located near Cadarache. 40 diagnostics are for seen for ITER operation and fusion physics. Many are based on advanced optics. Numerous challenges are related to the development of systems in a complex and hostile environment. After giving a general perspective, specific examples will be discussed in the talk"