

Operational domain for the new 3MW/1000s ECRH System on WEST

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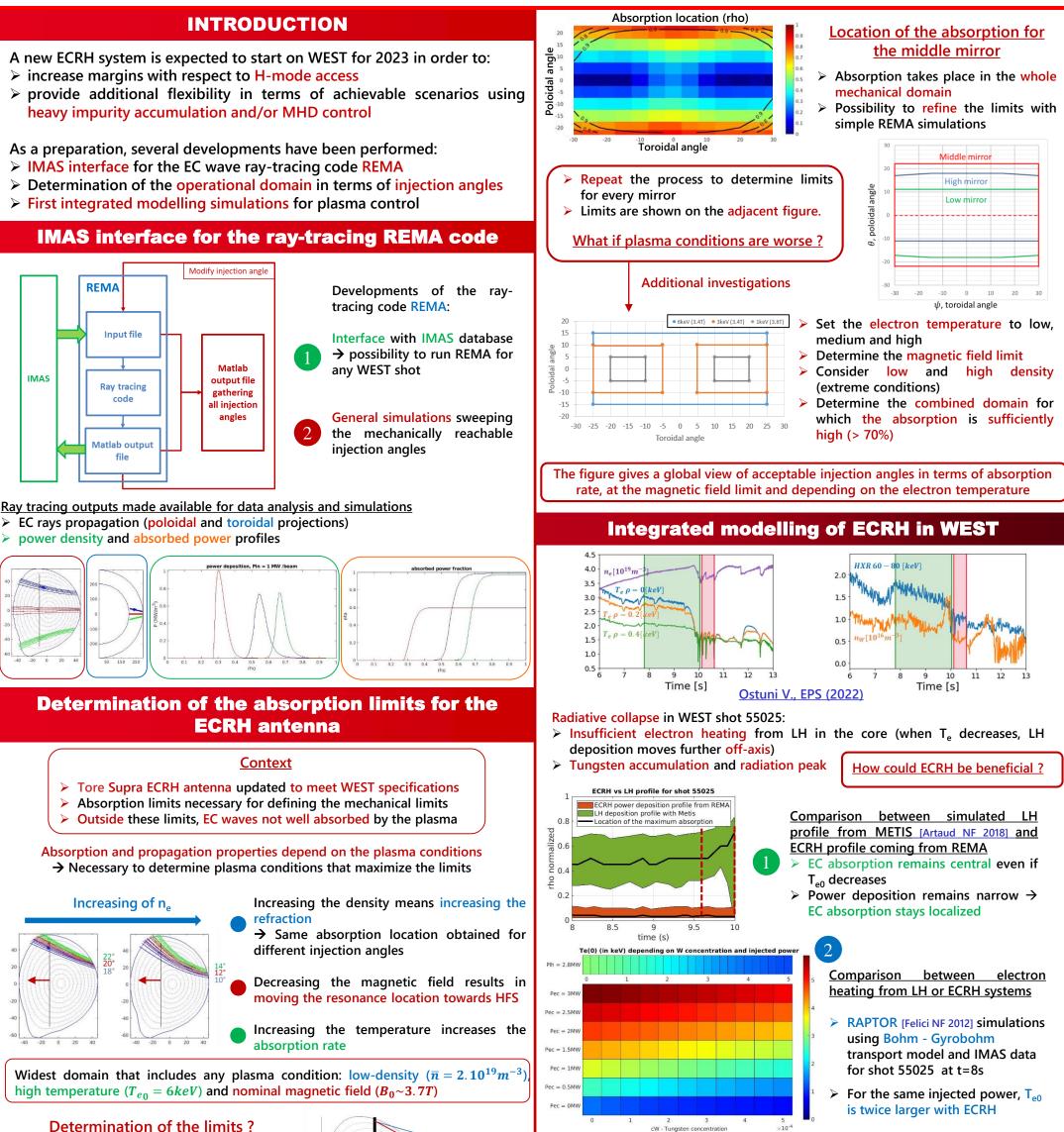
West

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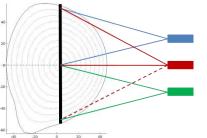
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Determination of the limits ?

- General first limit is determined mechanically from the antenna
- > Define the range for which the wave is absorbed from the core to the separatrix for every mirror



- Less ECRH power is necessary to obtain the same heating : 2.8 MW of LH power is equivalent to approximately 0.7MW of ECRH at low W concentration and even less (< 0.5MW) at higher concentration

WEST ECRH system should prevent radiative collapse in these conditions