

Deposition mitigation and in-vessel optics recovery in ITER

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(i)

- **Studied:** *Efficiency and selectivity of Mo and Be sputtering in RF discharge as a function of power frequency in D₂ and Ne gases*
- **Checked :** *Laser damage resistance of diagnostic windows under in-situ metal deposition*
- **Tested:** *Performance of first laser window of DTS under ITER-relevant conditions*

(ii) **Currently:**

- Optimization of RF CC discharge in a magnetic field
- Numerical simulation of RF CC discharge under the conditions and in the geometry expected in ITER

(iii) **Next steps**

Testing of the plasma cleaning technique for recovery of diagnostic windows.