

Limiter Observations during W7-X First Plasmas EX/P5-7

Scientific Achievement

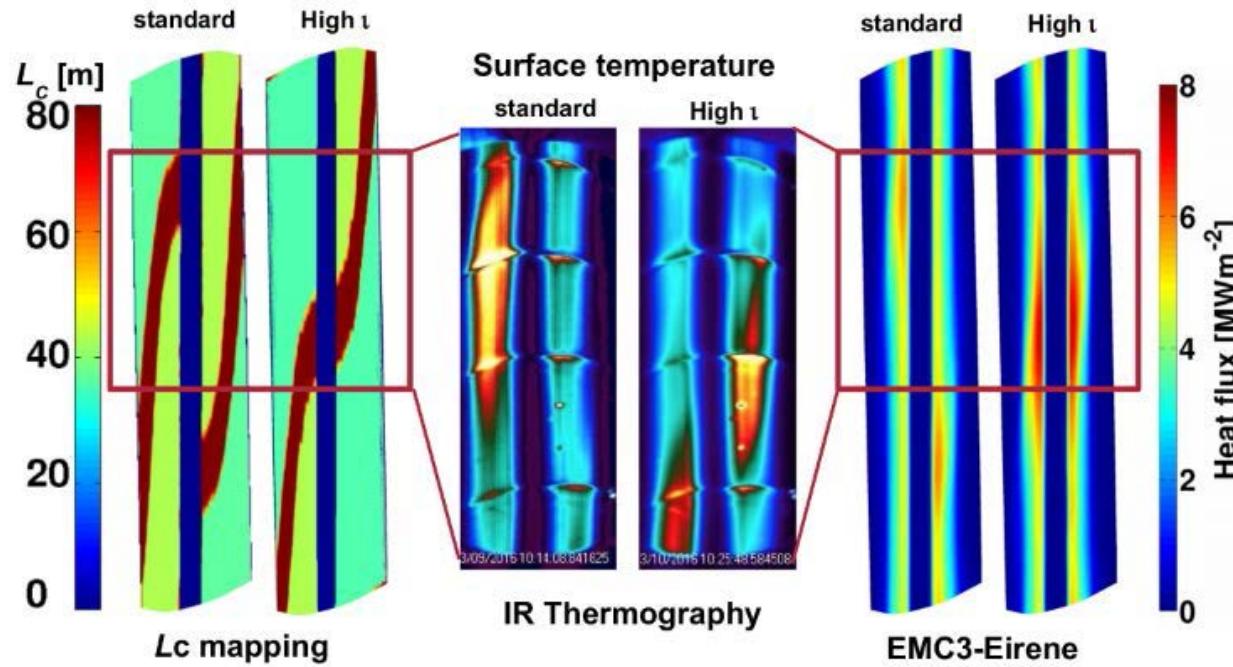
Limiter heat loads measured during OP1.1 on the new Wendelstein 7-X stellarator

Significance and Impact

Up to 60% of the input energy ended up on the graphite limiters (in low power discharges).

5 MW/m² limiter power fluxes with 4 MW ECRH input power

The patterns qualitatively match code predictions for a 3D helical edge plasma, in standard and higher iota plasmas.



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