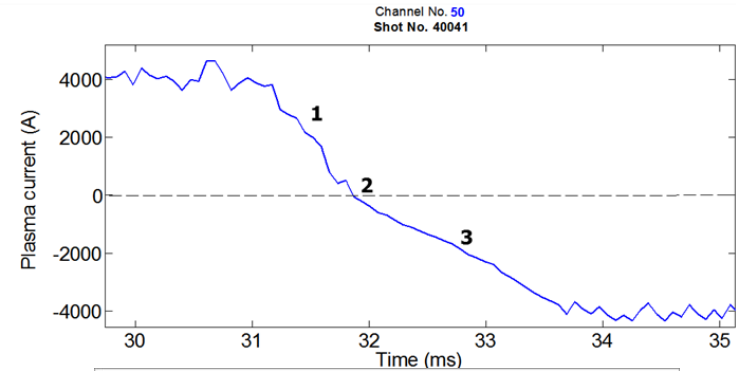


# Experimental studies in support of equilibria calculations during AC transition in the ISTTOK tokamak (EX/P1-2)

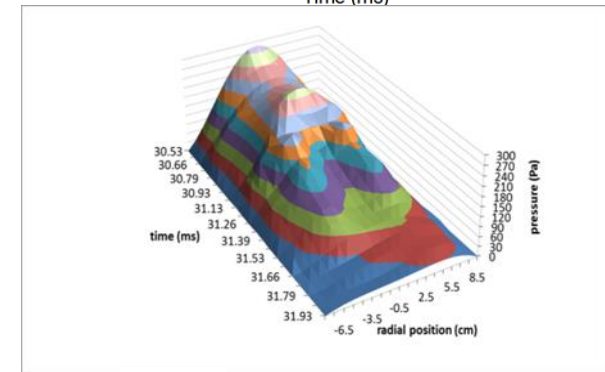
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Experimental characterisation of the 3 phases of AC transition

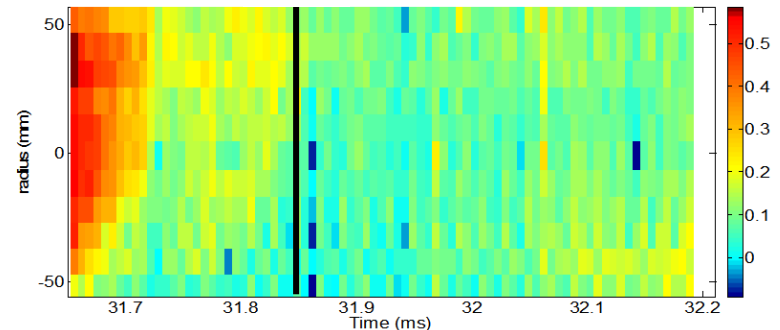


Comparison of experimental pressure-like profiles evolution with results from numerical solutions of the GS equation during AC transition. The predicted features are not observed.



$I_p=0$

The experiments could suggest a different mechanism for explaining existence of quiescent plasma during  $I_p=0$ : Overshoot fast electrons from the positive semi-cycle can propagate into the negative semi-cycle (for  $<100 \mu s$ ) and generate seed electrons for negative current formation



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