

Overview of Recent COMPASS Activities

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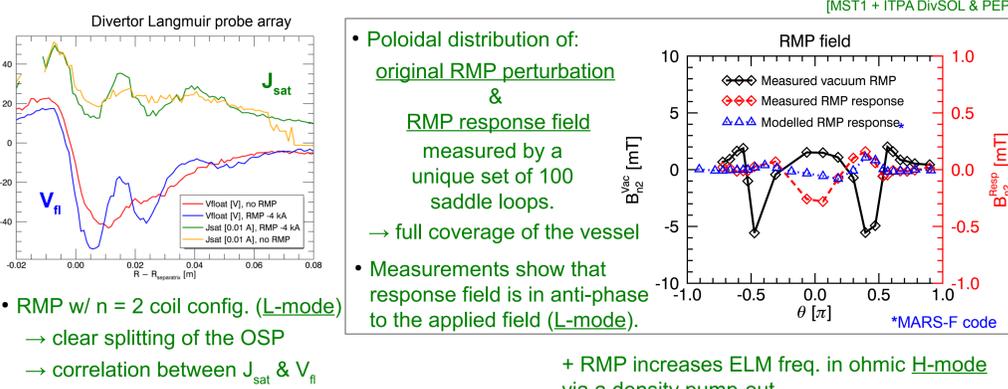
The recent COMPASS activities were focused on:

- **Edge and SOL physics** (RMP, GAM study, Pedestal scaling, L-H transition vs. X-point height)
- **Core physics and high freq. oscillations** (Alfven Eigenmode oscillations, Runaways Electrons)
- **Plasma-surface interactions** (power deposition on LEs in support of ITER divertor monoblock shaping)

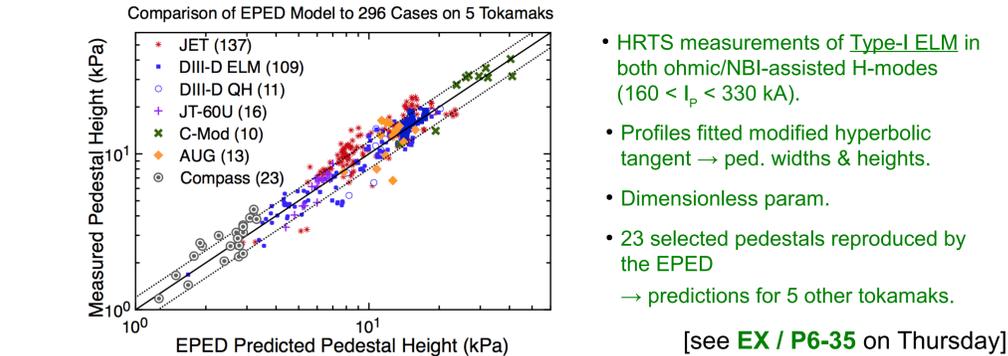
COMPASS parameters	
Major radius	0.56 m
Minor radius	0.18 - 0.23 m
Plasma current	< 350 kA
Magnetic field	0.8 - 2.1 T
Triangularity	0.5 - 0.7
Elongation	1.6 - 1.8
Pulse length	< 1 s
P _{NBI}	2 x 0.3 MW



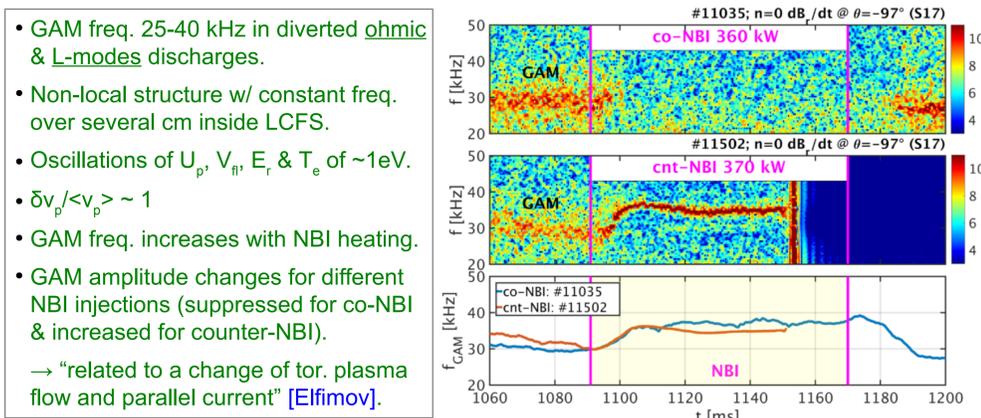
1. Edge and SOL physics Resonant Magnetic Perturbation studies



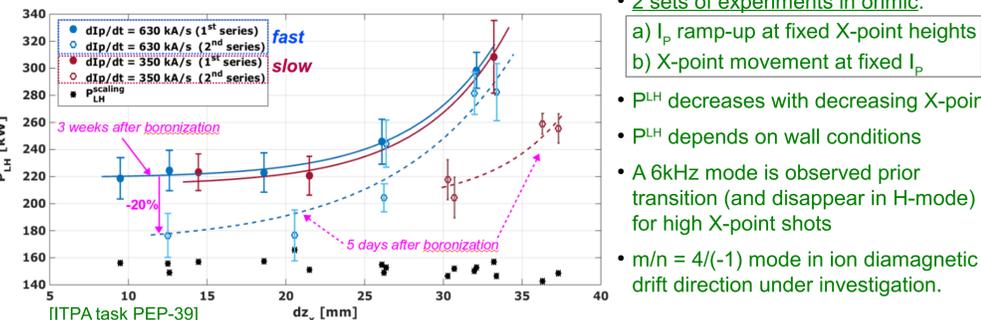
Pedestal scaling [MST1]



Geodesic Acoustic Mode in COMPASS

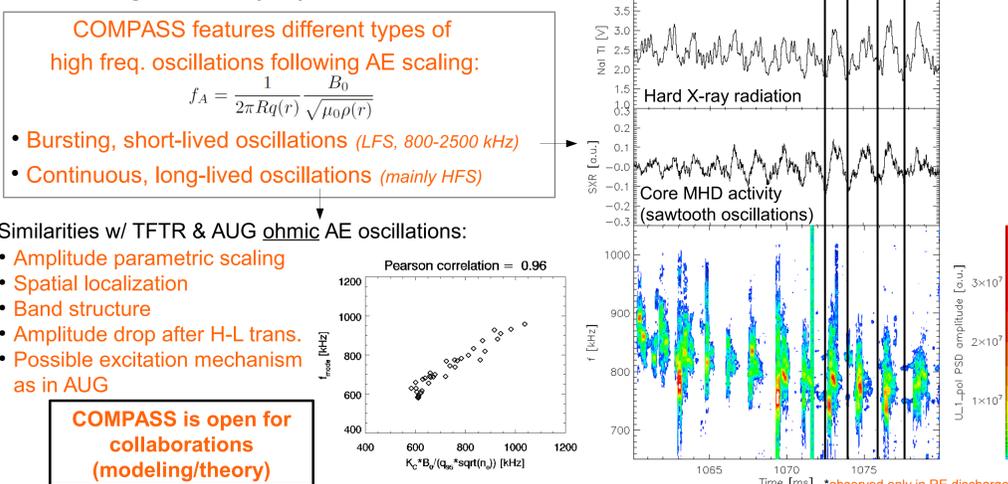


L-H transition vs. X-point height

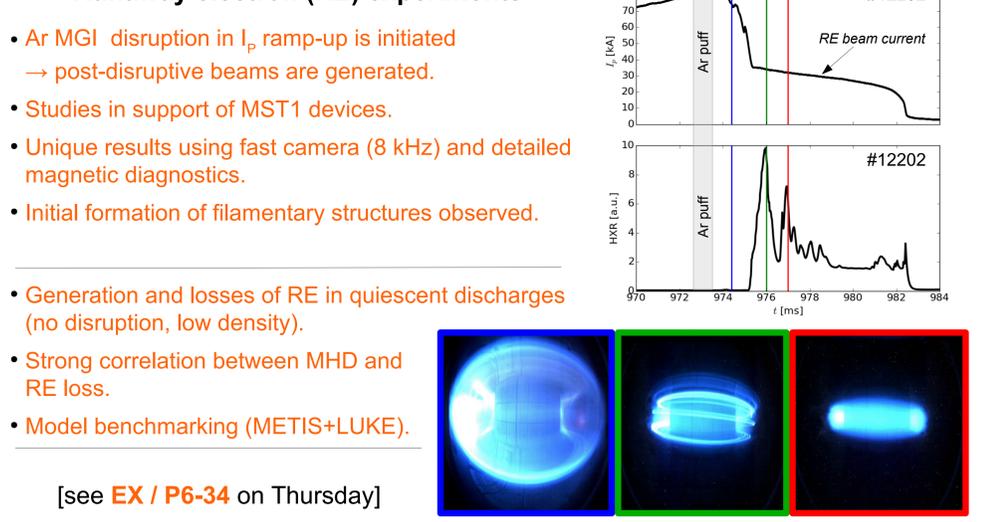


2. Core Physics and High Freq. Oscillations

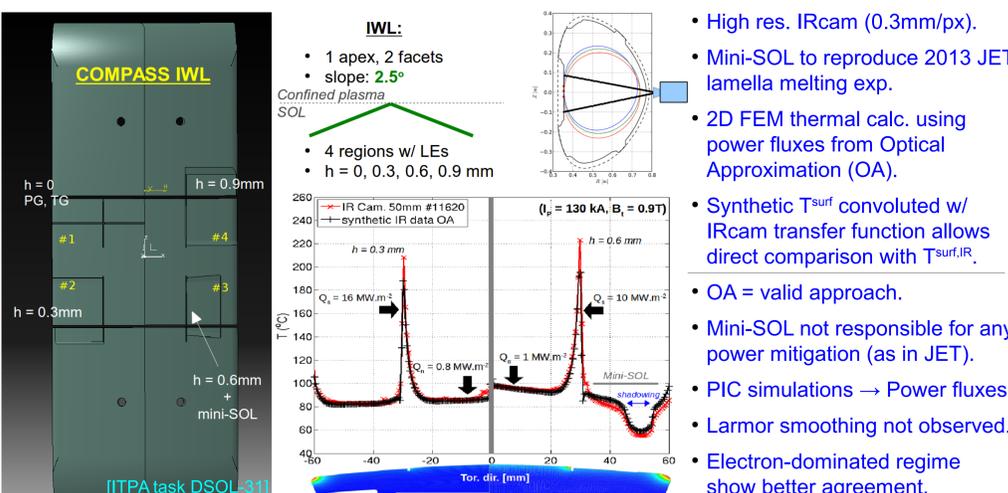
Alfven Eigenmode (AE) oscillations



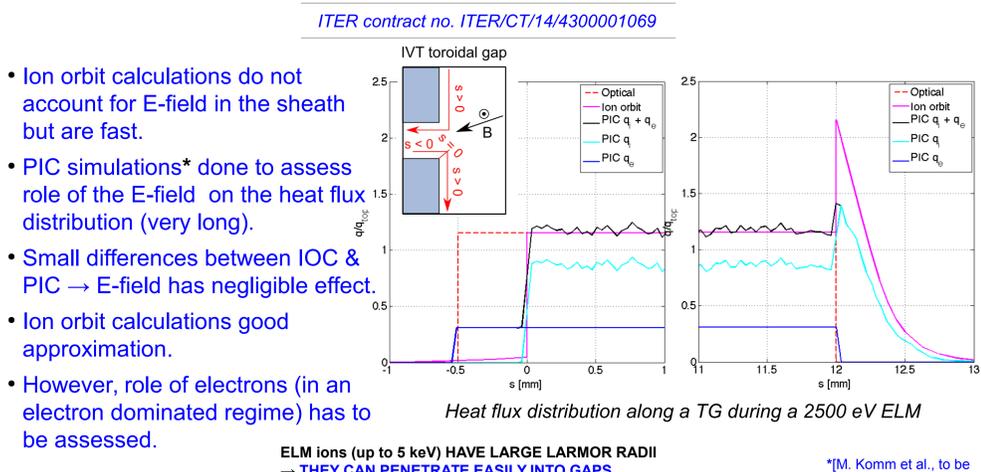
Runaway electron (RE) experiments



3. Plasma Surface Interactions Power deposition on leading edges in COMPASS



Particle-in-cell simulations of power deposition on ITER divertor vertical target monoblocks



ACKNOWLEDGEMENT:

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COMPASS posters: **J. Mlynar (REs → EX / P6-34) [Thursday]**

& **M. Komm (Ped. scaling → EX / P6-35) [Thursday]**

