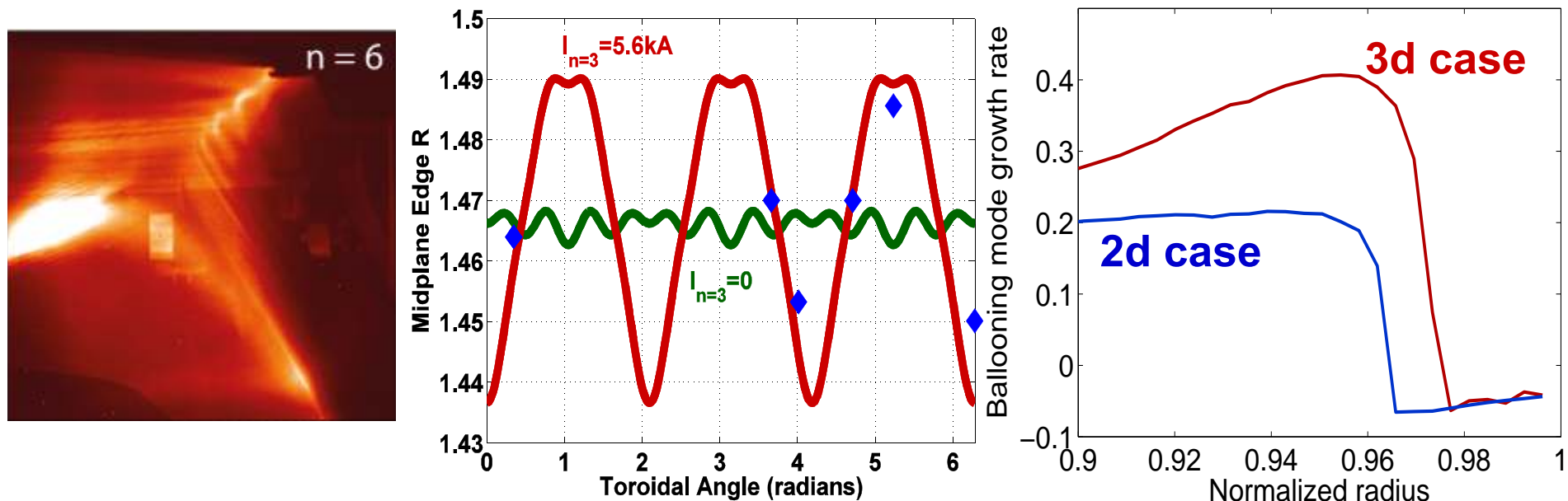


Non-axisymmetric fields affect ELM stability

- RMPs reduce ∇P , so why are there more type-I ELMs?
- $\pm 2\text{cm}$ midplane corrugation, modelled by 3d equilibrium
- 3d field confirmed by observation of lobes near X-point
- Ballooning modes more unstable, hence “ELM mitigation”



IT Chapman et al, Nucl Fusion, 2014; Phys Plasmas 2013; CJ Ham, sub PPCF, 2014