Isotope identity experiments in JET-ILW with H and D

- Exploiting the change in isotope mass $A = m_i/m_p$, L-mode and type I ELMy H-mode pairs obtained in H and D with similar dimensionless profiles

- Predictive flux driven simulations of core transport in good agreement with experiment: **stiff core heat transport overcomes local gyro-Bohm scaling of TGLF**, explaining:
  - Lack of isotope mass dependence of core confinement in L-mode
  - Increase of confinement with isotope mass in H-mode, originating in pedestal region

CF Maggi et al., EX/6-1
CF Maggi et al., Nucl Fusion 2019