The isotope effect in the RFX-mod experiment (EXP/P1-41)



The **ISOTOPE EFFECT** is the dependence of **MHD and confinement** on the mass M_i of the isotope of the main gas In which magnetic configurations is it observed?

TOKAMAK: YES STELLARATOR: NO

What about **REVERSED FIELD PINCH**?

This study shows for the first time that *MHD and confinement of the RFPs do depend on the mass* of the isotope used. The comparison between Deuterium and Hydrogen plasmas in RFX-mod experiments shows that *plasma performances improve with the isotope mass*.

