

A.Fasoli, for the TCV Team “TCV divertor and heating upgrades for contributing to DEMO physics basis” – FIP / P4-40

- First step (2016)
 - 1MW 10-30keV NBH
 - Two 0.75MW 82.7GHz X2 gyrotrons
- Second step (2017-20)
 - Two dual-frequency (126/84GHz, X2/X3) 1MW gyrotrons
 - Second 1MW 50keV counter NBH
 - Divertor upgrade: in-vessel baffles to form divertor chamber of variable closure
 - Physics of divertor configurations and regimes of interest for DEMO
 - Maintain flexibility of plasma configurations

