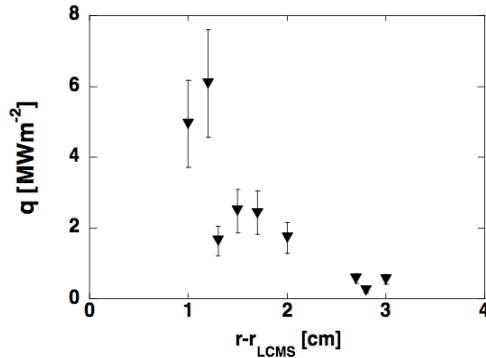


Liquid metal experiments on FTU (EX/P8-21)

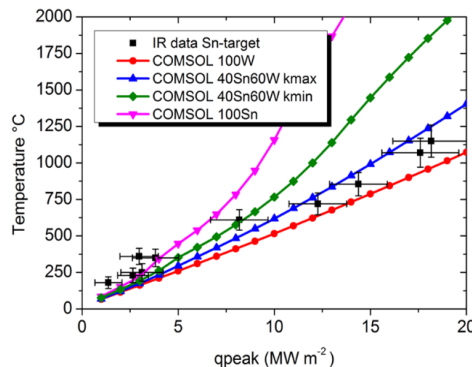
G.Mazzitelli et al.



With an uncooled Liquid Li Limiter heat loads up to 5MW/m² were withstood for t=1.5s in FTU plasmas without any damage and low evaporation



The new Tin cooled liquid limiter has been installed on FTU and first experiments will start on autumn 2016



Experiments on PILOT-PSI have shown that an actively cooled tin limiter can operate at much lower temperatures than 1000 ° C for heat loads of 10 MW m⁻² as expected in FTU, sufficient to keep evaporation to below an acceptable level.