RETROSPECT:
Doctorate work(-load) agenda (26.04.19) for Philipp Hacker

Priority	Possible Due Date	Topic
high	end of July/August 2019?	→ correlation analysis for channel selection (specifically for XPID: 20171207.022/.024); → find best channel/selection or combination of channels from any camera to suit the total radiated power loss the best (limited to one-three single experiments/discharges) → localisation of radiation in SOL/edge seeded cases, see QSQ - thermal gas beam; → spatial sensitivity of QSB system see $n_e(P_{rad})$, $P_{rad}(n_e)$ → interpretation in tandem with improved Thomson scattering profiles from Minerva and impurity content radiation/oxygen; → based off of intrinsic impurities, see HEXOS maybe? relative intensities → $n_e+\Delta n_e \Rightarrow P_{rad}+\Delta P_{rad}$; ?: need to look at ΔN_{H2}?
medium – high?	see above	→ analyse localisation of impurity seeding and hence radiation position/sensitivity of QSB; ?: transport comparison/analysis with STRAHL, EMC3 (somebody already on it?)
medium – high?	end of August 2019?	→ finish RSI paper scrap with images, graphs, references; → finally add feedback system integration; ?: show preliminary experimental achievements? document the timing errors in of DAQ with regards to channel selection, output and laser input(s)
high	June-August 2020	TOMOGRAPHY → transport analysis with tomography and STRAHL or EMC3; → comparison between different methods, e.g Minerva/minimum Fischer regularization etc.; → implementation of findinds from channel correlation to inversion, see whether the amount or channel distribution/geometry is efficient
low	???	→ investigate on the different impact of extrinsic impurity seedings from thermal gas beam injection (QSQ); → localisation of different impurties, their radiation and impact on density changes → set up database to maybe find common/individual scaling laws in tandem with relation to n_e, W_{dia}, P_{EXRH} etc.
none – very low	???	→ D.Zhang already assembling a database for P_{rad}(SOL) and P_{rad}(core) in relation to n_e, W_{dia}, P_{EXRH} etc.; → possible semi experimental scaling laws governing the impact of fueling by different gas species and injection methods, as well as with respect to configuration magnetic field strenght etc.