

EPED1 JET Comparison

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Pressure pedestal height



Phil's version

Samuli's version



Pressure pedestal width



Phil's version

Samuli's version



Notes



- PB stability code:
 - > Phil's version \rightarrow ELITE
 - > Samuli's version \rightarrow MISHKA-1 (for these cases)
- n values evaluated in MISHKA-1 range between n=5-30 equivalent to ELITE
- Plasma shape NOT read ppf but instead determined from shaping parameters for both versions
- Z_{eff}:
 - Phil's version → fixed at 2.0 for all ILW runs as measurements had not yet been provided at time of modelling
 - Samuli's version → integral-line values (note: may need to do some data validation requests for a few pulses)
- P_{Tot,ped}:
 - Phil's version \rightarrow provided
 - Samuli's version → T_{e,ped} is output (as n_{e,ped} is input). Total pressure is calculated in same way as measured value i.e. using approximation for n_i & assuming T_i=T_e.