

Positron WG Status

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- Revisit undulator system parameters
 - Optimize for $E_{CM}=250\text{GeV}$
 - Concentrate on 1312 bunches
 - Thinner target (14mm \rightarrow 7-8mm) gives
 - Lower energy deposit on target (5.40kW \rightarrow 1/2 or 1/3)
 - Less PEDD on flux concentrator tip, though only some 10%
 - Will be chosen as the standard parameter soon
 - Will simulate in more detail
 - Including mask
 - Will revisit target cooling for thinner target
 - Flux concentrator
 - Worry about the time dependence (within 1ms) of the field profile $F(z)$
 - Turned out that the QWT has not yet been seriously considered
 - Would like to revisit QWT (as the bottom line, i.e., lower lumi)
- Start preparation for AWLC