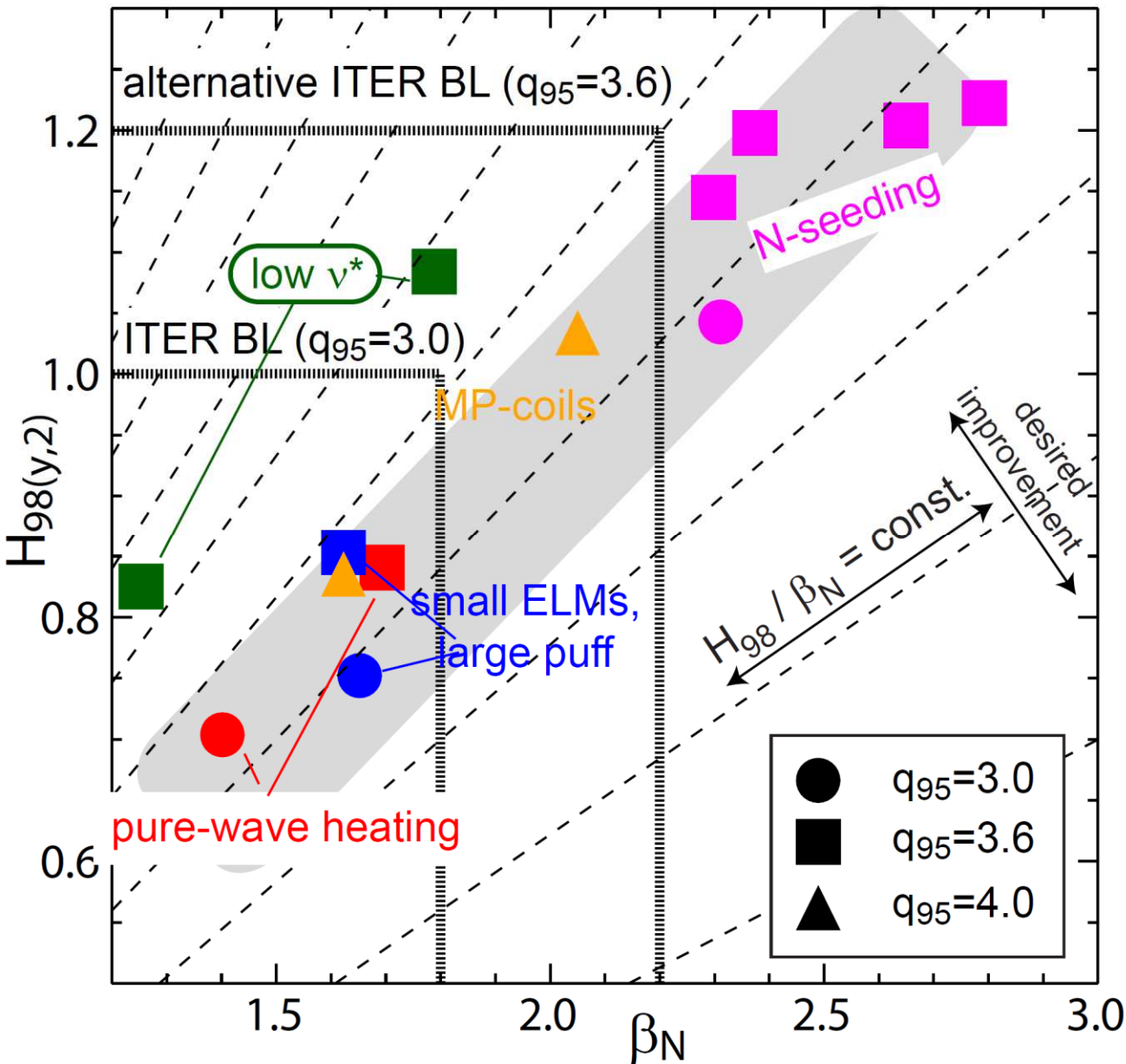




ITER baseline scenario at ASDEX Upgrade



• ITER BL Investigations

- Small ELMs at high density result
 - via large gas puff
 - via N-seeding
 - via MP-coils

– N-seeding

- No H98-boost (puzzling result)

– Pure-wave heating

- no MHD mode issues (at $v^* \sim 25-40v^*_{\text{ITER}}$)

– low- v^* (pump-out with MP-coils):

- first experiments look promising
- at $v^* \sim 2-3v^*_{\text{ITER}}$
- improved H98 factor (green squares)

• Ongoing Invest.:

- $q=3.0$ and pure-wave at low- v^*
- Pellet fuelling
- stability of LH-transition