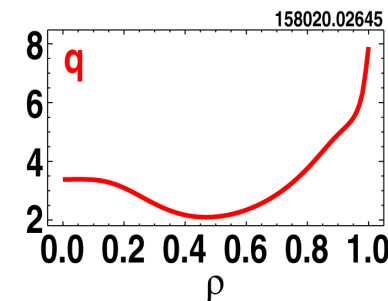
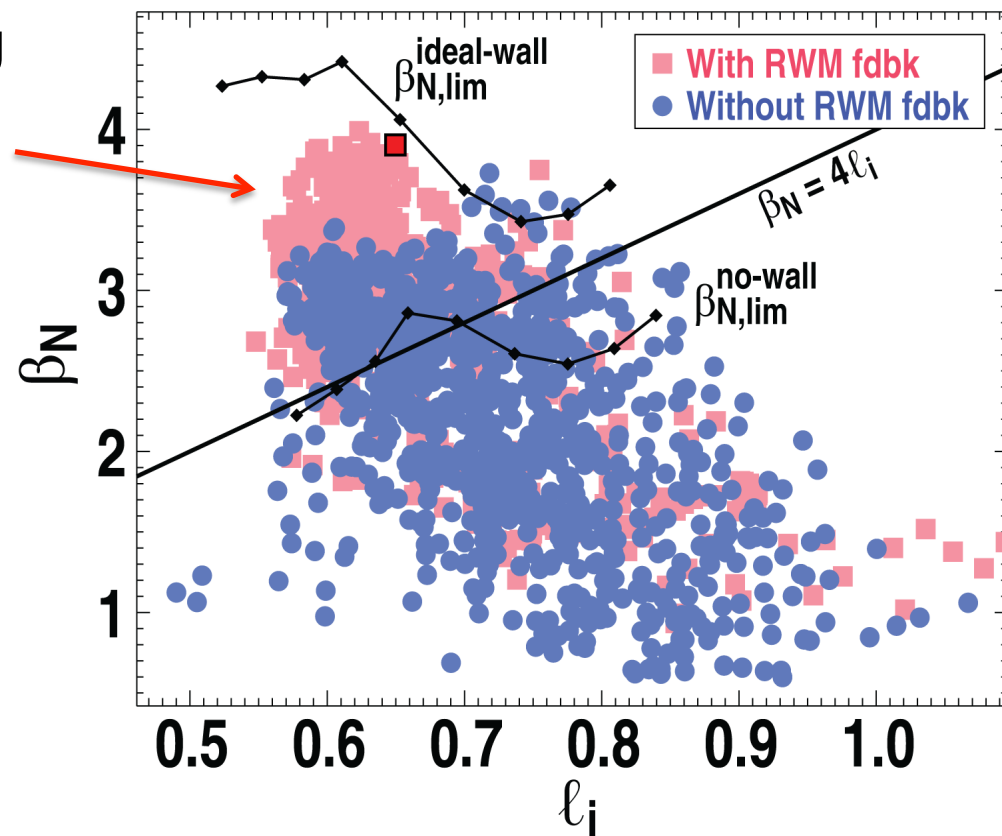


Negative central shear MHD stability control enables higher β_N

- **Ideal-wall β_N limit accessed using resistive wall mode control**
 - Magnetic feedback suppresses $n=1$ RWM
- **Optimizing passive stability facilitates better performance**
 - Tearing mode locking ameliorated when $q > 2$
 - Broad current profile \rightarrow high ideal-wall limit: ***favorable scaling for BS-dominated reactor***



Key preparation for progress to higher β_N with planned heating and current drive upgrades