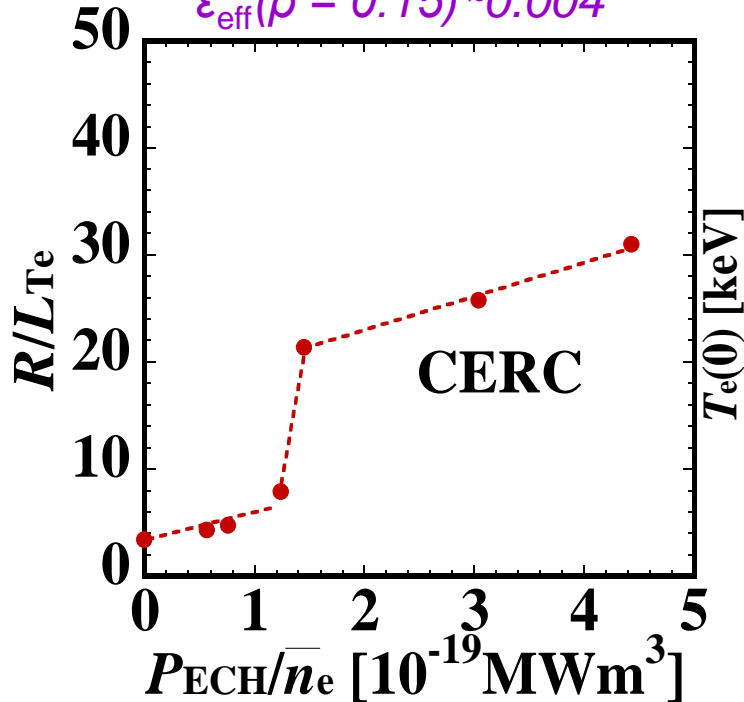


Possible comparison with HSX-CERC data

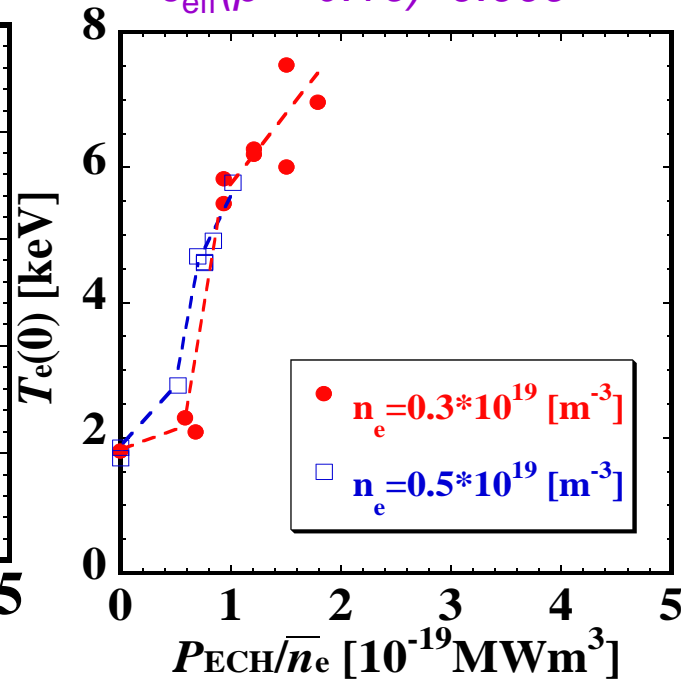
Rax=3.75m, 1.5T

$\epsilon_{\text{eff}}(\rho = 0.15) \sim 0.004$



Rax=3.5m, 2.854T

$\epsilon_{\text{eff}}(\rho = 0.15) \sim 0.009$



M.Yokoyama et al., "Core electron-root confinement (CERC) in helical plasmas", NF 47 (2007) 1213.

Threshold of P_{ECH}/\bar{n}_e decreases as core- ϵ_{eff} increases (~electron-root appearance)

- **CERC in HSX can be interpreted in ϵ_{eff} ?**
- **CERC feature in QH or Mirror configurations ?**

Equilibrium (Configuration) Data

Example: W7-AS High-Beta shot (54022, 54023)

password authentication

/ISS/public/ISHPDB_public/devices/W7AS/configuration/54023/t_379

vmec2000-related files

input.device.shot_timing

fort.8

threed1

wout.

W7-AS High Beta data

54022
txt
thpro54022.txt
linemap_Ruby.w7as.s54022.07_nv36.215_000.txt
linemap_Ruby.w7as.s54022.07b_nv36.215_000.txt
54022-pnbi.xls
UFILE
w7as_54022_000350_v0001_0d.dat
w7as_54022_000350_v0001_2d.dat
xml
Confinement Data: txt_jmp
Configuration Data

54023
txt
thpro54023.txt
54023-pnbi.xls
UFILE
w7as_54023_000350_v0001_0d.dat
w7as_54023_000350_v0001_2d.dat
xml
Confinement Data: txt_jmp
Configuration Data

