EX/P5-2, Kurskiev G.S. et al.

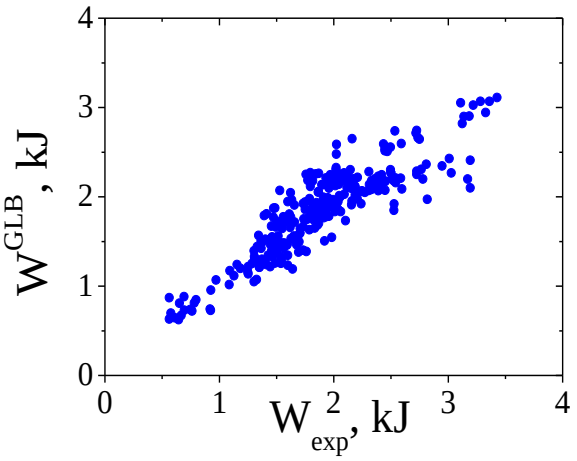
Globus-M spherical tokamak

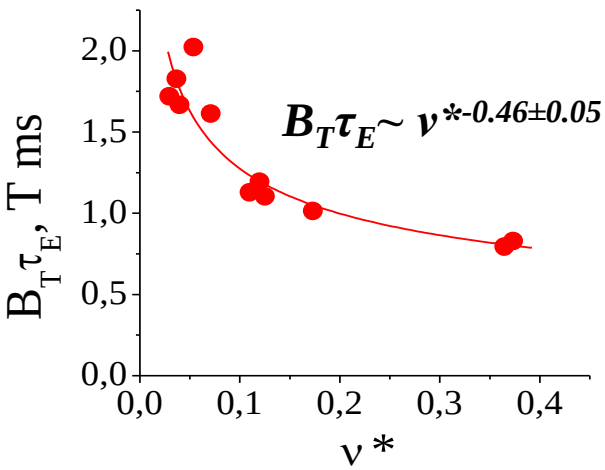
energy confinement in NBI H-mode plasma

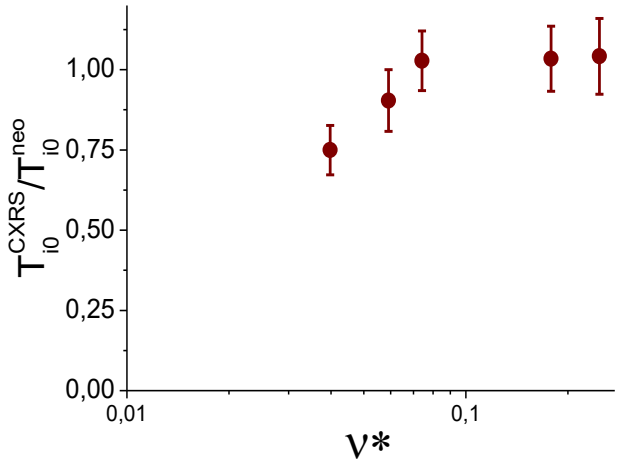
R=0.35 a=0.21, k=1.8

I_p=0.12-0.25 MA, B_T=0.25-0.5 T, P_{abs}=0.2-0.8 MW, n_e=1.8-5.5 10^{19} m^{-3}

$$\tau_E^{GLB} \sim I_p^{0.51\pm0.26} B_T^{1.2\pm0.1} P_{abs}^{-0.54\pm0.26} n_e^{0.67\pm0.04}$$







- **Energy confinement time depends strongly on toroidal magnetic field**
- **Normalized energy confinement time exibit moderate dependence on collisionality**
- **Ion heat transport is close to neoclassical level. Anomalous contribution is observed at low collisionality.**

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