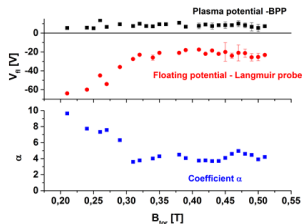
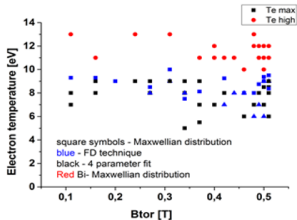
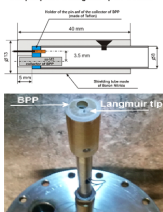


# Ball pen probe measurements

- EEDF is bi-maxwellian in some cases, with tail characterized by higher  $T_e$ .
- The average electron temperature  $T_e$  and coefficient  $\alpha$  is independent for  $B_{TOR} > 0.3$ .

Ball pen probe & Langmuir tip for GOLEM



Left - Electron temperature versus the toroidal magnetic field in discharges # 23447, 23449, 23450, 23451. Right - Plasma and floating potential and the resulting coefficient  $\alpha$  versus  $B_{TOR}$ .