

## Supplementary material

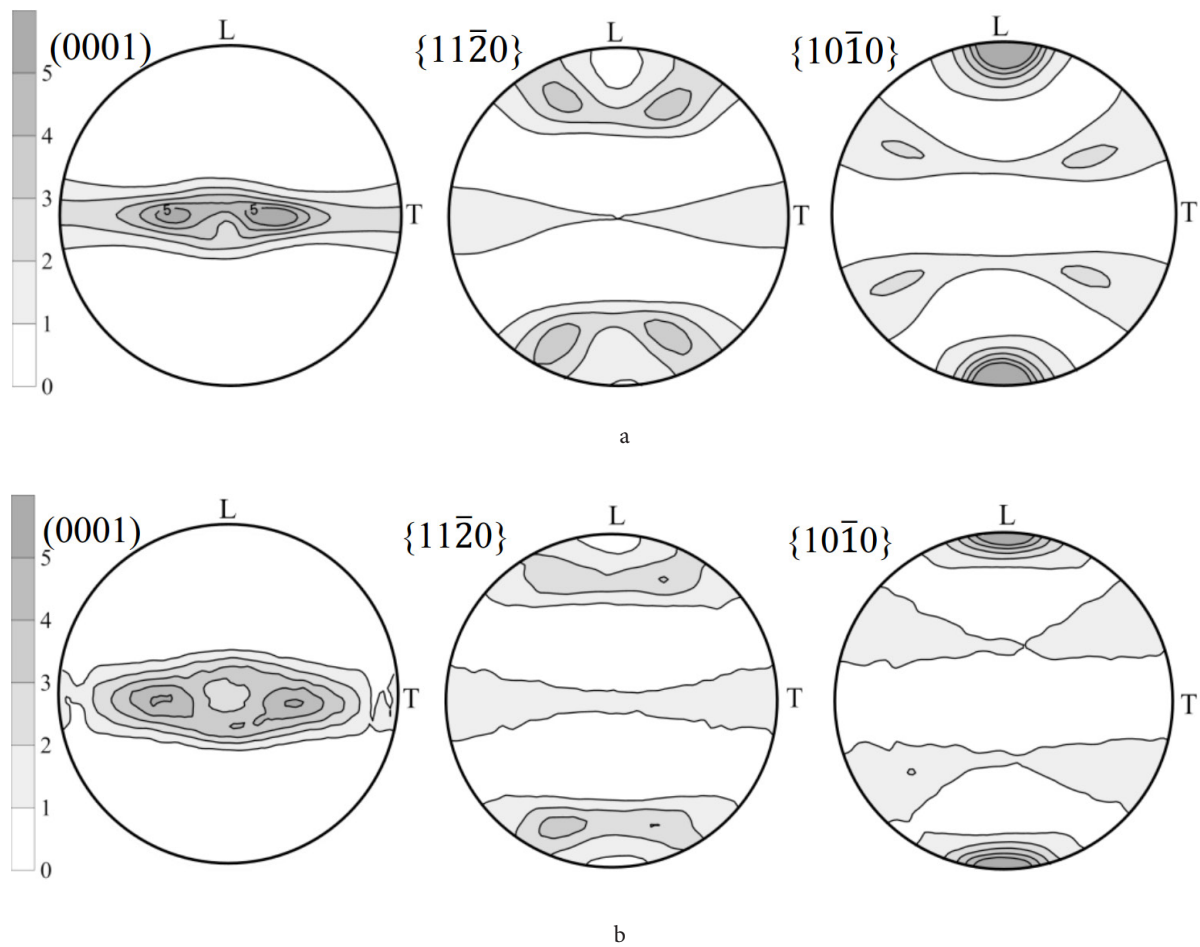


Fig. S1. DPFs  $\{0001\}$ ,  $\{11\bar{2}0\}$ ,  $\{10\bar{1}0\}$  obtained by the SRD (a) and XRD (b) methods for deformed cladding tubes from the E110 alloy.

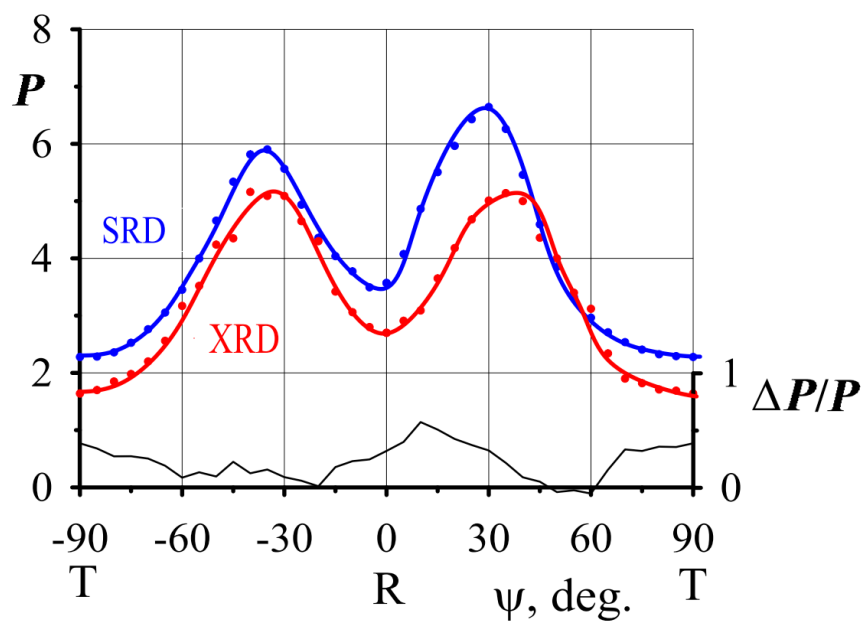
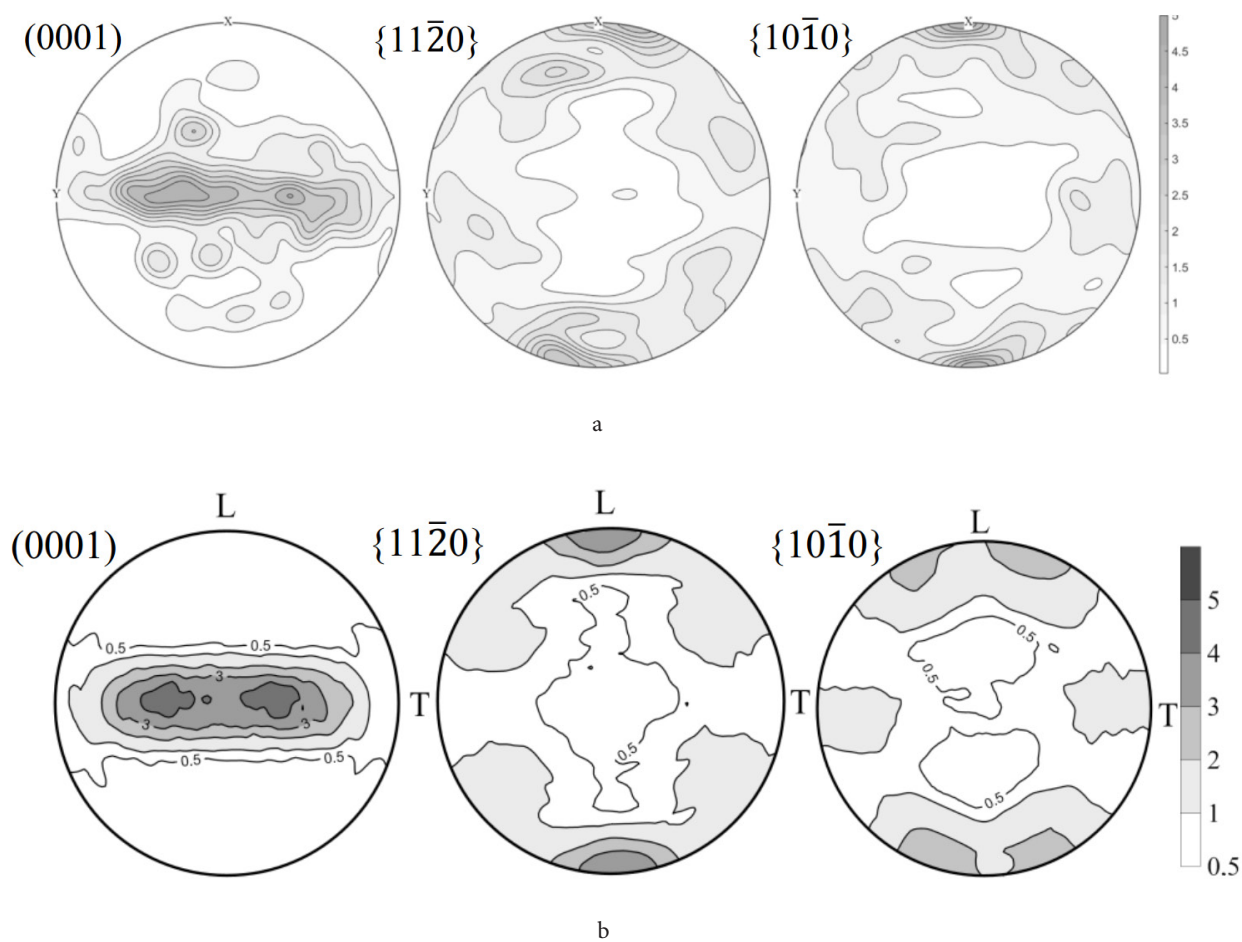


Fig. S2. (Color online) The basal normal distributions in R-T-section of deformed cladding tubes from the E110 alloy. The black thin line corresponds to the deviation of the pole densities calculated from the data of different DPF measurement methods.



**Fig. S3.** DPFs (0001),  $\{11\bar{2}0\}$ ,  $\{10\bar{1}0\}$  obtained by the SRD (a) and XRD (b) methods for cladding tubes from the E110 alloy annealed at 640°C in 3 hours.