

FIG. 9: (Color online) The experiment (dots) and the exact theory (solid lines) for the lateral Casimir force versus the lateral displacement normalized for the corrugation period at the separations (a) 134 nm, (b) 156.9 nm, and (c) 179 nm in the second set of measurements with corrugation amplitude on the sphere of 25.5 nm. No fitting parameters are used.