Stahlplatte, Lange Achse, 45 Grad 80 140 260 100 120 160 180 240 200 220 5.5 5.5 • 2 phi-dot-dotFit1 5 **Dataset**: LongAxis45Degs\_2 **Function**:  $(x/1000*g*r_z-M_r)/(I_H+x/1000*(r_z)^2)$ (rad/s^2) **Chi^2/doF** = 1.2845e-02 $R^2 = 0.9943$ 4.5 I H = 9.8492e-03 +/- 3.7549e-04 $\bar{\mathbf{M}}$   $\mathbf{r} = 1.0037e-02 +/- 1.4219e-03$ g = 9.81 (constant) 4 r z = 0.0255 (constant) Winkelbeschleunigung 3.5 2.5 1.5 1.5 1 80 100 120 160 180 200 220 240 260 140 **Zugmasse (g)**