Stahlplatte, Lange Achse, 45 Grad 80 100 120 140 160 180 200 220 240 260 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 4.5 $R^2 = 0.9943$ I H = 9.8492e-03 +/- 3.7549e-04 $\mathbf{M} \mathbf{r} = 1.0037 \text{e}-02 + /- 1.4219 \text{e}-03$ g = 9.81 (constant) 4 r z = 0.0255 (constant) Winkelbeschleunigung
3.5
5.2
5.2
7 3.5 3 2.5 2 1.5 1.5 1 80 100 260 120 140 160 180 200 220 240 **Zugmasse (g)**