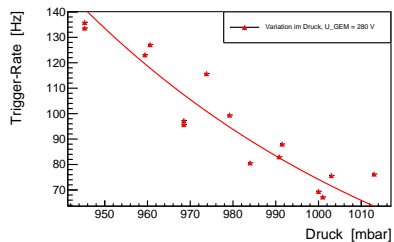
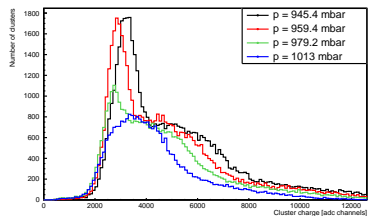
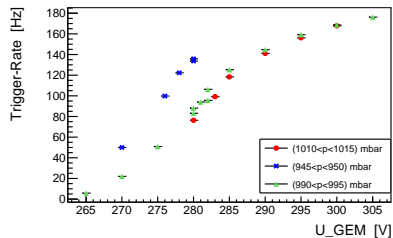
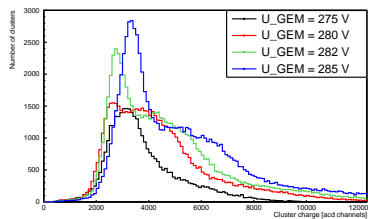


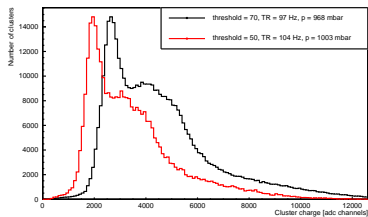
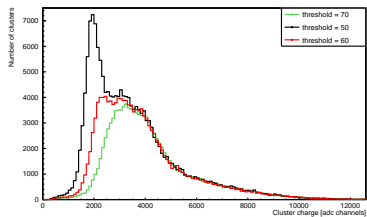
Variation im Gasdruck



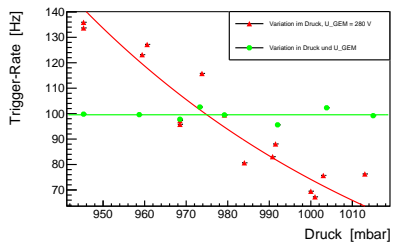
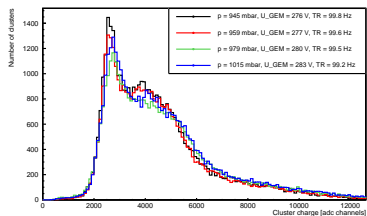
Variation in U-GEM



threshold Anpassung



Druck und U-GEM Variation



Berechnete U-GEM-Werte bei gleicher Gasverstärkung

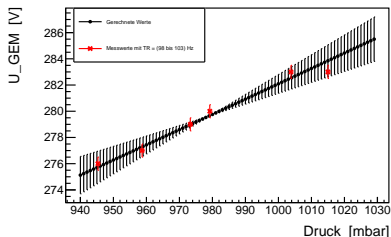


Abbildung: $U \approx 166 + 0.115 \cdot p$,

$$U_{GEM_2} = p_2 \cdot \left(-\frac{\ln\left(\frac{p_1}{p_2}\right)}{C} + \frac{p_1}{U_{GEM_1}} \right)^{-1}$$

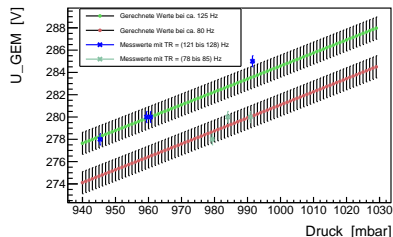


Abbildung: $U \approx 164 + 0.115 \cdot p$ und
 $U \approx 170 + 0.115 \cdot p$

single-GEM Simulation

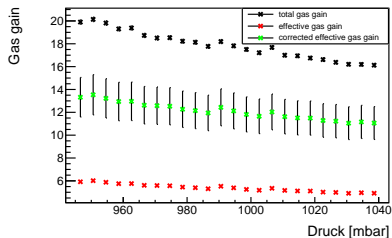


Abbildung: singel-GEM simulation

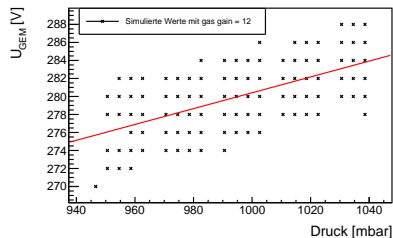


Abbildung: singel-GEM simulation, gas gain = 12, $U \approx 193 + 0.09 \cdot p$