



TACO TANGO



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Instruments using TACO at Juelich

M.I Drochner, fz-Juelich, D-52425 Juelich Germany

- KWS1 (KWS2)
- KWS3
- HADAS

future:

- DNS
- SV29
- SNNS

Specifics of experiment software

- KWS1/2:
 - control applications (GUI, Qt based) - direct TACO clients
 - measurement loop: Python script, TACO client
 - off-line setup (GUI), data exchange via XML
 - uses PLC connection
- KWS3:
 - test setup only, Python scripts
 - uses PLC connection
- HADAS:
 - script controlled, psh (Heinen)
 - ET200S directly connected
 - "Goettingen" stepper control on PROFIBUS

PLC connection

- abstraction layer for motion control (axis / encoder / limit switches...)
- 2 layers: controller, axis
- handshake passing request blocks on top of PROFIBUS / DP
- PLC is PROFIBUS slave to TACO
- PLC may be PROFIBUS master to peripherals (e.g. ET200)
- software: library layer, TACO server