

Workshops



Mechanical Workshop

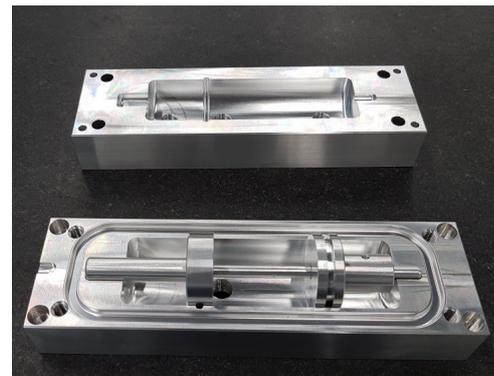
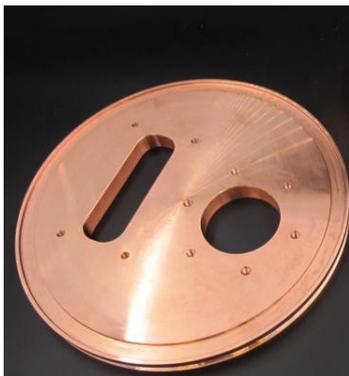
The **mechanical workshop** produces complex parts for all the experiments in house as well as for the large-scale astrophysics and particle physics experiments our groups are contributing to and helps to find solutions for techni-

cal problems. The high competence of the workshop is well appreciated also by other institutes of the university or external companies.

<http://www.physik.uzh.ch/groups/werkstatt>



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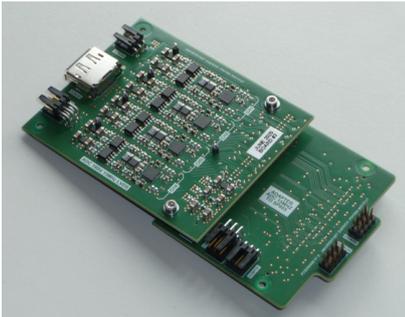


The three photograph are examples for work done in our workshop: copper flange for the Damic project of the group Kilminster (left), the Xenon experiment of the group Baudis in the MNF Exploratorium (middle) and coil potting mold for the group Chang (right).

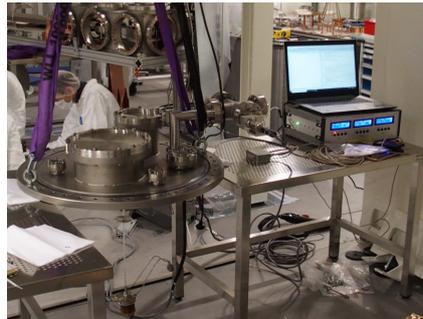
Electronics Workshop

Besides maintenance work for the existing laboratory infrastructure the **electronics workshop** continuously supports the groups of our institute with technical advice, prototypes and new developments for ongoing projects. Besides many ongoing and newly developed projects for the research groups of our institute we developed the

control cabinet for the DARWIN Demonstrator (group Baudis) that contains the power supply, safety circuits and slow control. Since it will be operated with voltages of up to 100 kV, a lot of effort had to be invested in personal safety.



4-channel ADC with 15Ms/s and 18-bit resolution for the DAMIC experiment (group Kilminster).



Test setup for the evaporation of the wavelength shifting reflectors for the LEG-END experiment (group Baudis).



Detail of a circuit that simulates the dynamics of wave propagation in a hyperbolic space (group Neupert).