

French - German opportunities of cooperation to face the European revolution in neutron science



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Materials Science Diffractometer STRESS-SPEC - Current status, new developments and future plans

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STRESS-SPEC is the dedicated diffractometer for materials science applications at MLZ. It offers high thermal neutron flux and is mainly used for fast residual strain and texture (bulk, local or gradient) measurements. Here we will give an overview on the current status of the instrument.

As we pioneered the use of robotic sample manipulation at STRESS-SPEC, future improvements of the position accuracy of this device through a new adaptive control system will be also outlined.

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