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Status of the apparatus for the next phase of the neutron EDM search at PSI –n2EDM

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“ on behalf of the nEDM collaboration at PSI

The next big step in sensitivity improvement of the search for a possible electric dipole moment of the neutron at the Paul Scherrer Institute, Switzerland requires a new apparatus with several improvements with respect to the present setup. In a first step of the new apparatus –dubbed n2EDM – a sensitivity improvement of a factor of 10 is envisaged. The new apparatus design, its status and preparation will be presented.

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