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n_TOF facility at CERN

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The neutron Time of Flight (n_TOF) facility at CERN is a source of high flux of neutrons obtained by the spallation process of 20 GeV/c protons onto a solid lead target and the remarkable beam intensity of the Proton Synchrotron (PS). From Nov 2008 the n_TOF facility resumed operation after a halt of 4 years due to radio-protection issues. It features a new lead spallation target, new cooling system, a separated moderator circuit, controlled primary zone ventilation system and a refurbished experimental area classified as Work Sector Type A permitting to measure highly radioactive targets with almost no restrictions from the radio-protection. The present paper will give an overview of the present state of the facility, the present experimental program as well the future objectives.

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