

Today's News

A01 班の超強磁場パルス中性子実験が **J-PARC Project Newsletter** に掲載されました

A01 班では、J-PARC での強磁場中性子散乱実験へ向けて開発と研究を進めていますが、7月23日付の J-PARC ニュースレターでこの現状が紹介されました。

J-PARCのホームページ

URL: <http://j-parc.jp/index-e.html>



Activity

J-PARC Project Newsletter

6. << Materials & Life Science Division (Neutron Facility) >> by Yujiro IKEDA

ON APRIL 20, 2007, THE MATERIALS & LIFE SCIENCE EXPERIMENTAL FACILITY (MLF) BUILDING WAS COMPLETED IN ITS CONSTRUCTION.

In the proton beam transfer line from the 3-GeV synchrotron to the materials and life science facility (MLF), accurate alignments for all the magnets have been progressed by 50% to finalize their installation positions. Shield blocks are being installed at the ceiling parts of the proton-beam line tunnel in the MLF building, which is the final installation work for the neutron source facility construction. Mercury, volume of 1.5 m³, was fed in the target system and off-beam commissioning tests concerning mercury target treatments and a handling of the moderator system are in progress. A series of off-beam commissioning tests will be completed by the end of FY 2007.

<<中略>>

A power capacitor bank for pulsed high field magnets has been transferred and installed in the MLF experimental hall by Tohoku University. They are aiming at producing more than 60T pulsed field for neutron scattering.

<<以下省略>>

強磁場スピ科学ホームページ : <http://spin100.imr.tohoku.ac.jp>

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