

Design study of the large helical device

National Institute for Fusion Science - The next large helical devices (Journal Article)



Description: -

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Magnetic traps.

Particle accelerators.

Engineering test reactors -- Design and construction.

Fusion reactors -- Design and construction. Design study of the large helical device

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Large Helical Device (LHD) program

Plasmas 1 2 1994 , 345. This will be upgraded in the second phase a using superfluid coil cooling technique. With Large Helical Device LHD and Wendelstein 7-X W7-X , the development of helical devices is now taking a large step forward on the path to a steady-state fusion reactor.

[PDF] An Overview of the Large Helical Device Project

The device parameters under design are as follows major radius 3. Wendelstein Group, WENDELSTEIN VII—X, Application for Preferential Support, IPP-EURATOM Association, 1990.

[PDF] An Overview of the Large Helical Device Project

Kaneko, Insulation of highly conductive metal in composite stabilizer for reduction of Hall current across surface. Fluids 29 1986 , 521. Fusion 32 1992 , 1047; H.

[PDF] An Overview of the Large Helical Device Project

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Design of central control and man

Fluids B 1 1989 , 1663. Yamamoto, Short sample tests of full-scale superconducting conductors for Large Helical Device.

DESIGN STUDY ON DIVERTOR PLATES OF LARGE HELICAL DEVICE (LHD)

Fluids B 3 1991 , 515; B4 1991 , 1360. The two divertor configurations that are being investigated are the helical and the island divertor, as well as the local island divertor, which was successfully demonstrated on CHS and just went into operation on LHD. The beam accelerating power supplies are similar to those of the positive ion system because of the similar beam energy.

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