

IRAM Array Now Operational

On 5 September, Hubert Curien the French Minister for Research and Technology formally handed over to IRAM, the joint Franco-German Institute for RadioAstronomy at Millimetre wavelengths, its second observatory. This is located at an altitude of 2550 m on the Plateau de Bure, 90 km south of Grenoble and comprises an array of three 15 m mobile radio telescopes. These will be able to operate either alone or in conjunction with the 30 m radiotelescope at IRAM's other observatory at Pico Valeta in the south of Spain.

The range of wavelengths that can be received extends from 3–0.8 mm. Base line for the array is variable up to 288 m in the E-W direction and 160 m N-S. A special feature of the design of the telescopes is the extensive use of carbon fibre composites.

Kernforschungsanlage Jülich

Wir sind eine von 13 Grossforschungseinrichtungen in der Bundesrepublik Deutschland mit etwa 4500 Mitarbeitern. Schwerpunkte unserer Forschungen liegen auf den Gebieten Stoffeigenschaften und Materialforschung; Grundlagen der Informationstechnik; Gesundheit, Umwelt, Biotechnologie; Energieforschung und Energietechnik; Kernfusion und Nukleare Grundlagenforschung.

Für unser **INSTITUT FÜR PLASMAPHYSIK** suchen wir eine/n

DIPLOM-PHYSIKER/IN (promoviert) Kennziffer 091/89

Aufgabengebiet: selbständige Forschungstätigkeit auf dem Gebiet der magnetischen Einschliessung von Hochtemperaturplasmen. Dazu gehört die Untersuchung der magnetischen Einschliessung und der Verlustprozesse von Hochtemperaturplasmen; Entwicklung und Anwendung von Verfahren zur Messung charakteristischer Eigenschaften des Plasmas (im Jülicher Tokamakexperiment TEXTOR) und deren Interpretation.

Anforderungen: mit Diplom und Promotion abgeschlossenes Studium der Physik; Befähigung zur selbständigen Definition, Durchführung und Auswertung von Experimenten sowie zum kritischen Vergleich experimenteller und theoretischer Ergebnisse; mehrjährige Berufserfahrung auf dem Gebiet der Experimentalphysik, vorzugsweise Plasmaphysik, Atomphysik, Molekülphysik, Spektroskopie oder Astrophysik; Erfahrung mit Datenverarbeitung.

Die Vergütung und Sozialleistungen erfolgen nach den Bestimmungen des Bundesangestelltentarifvertrages (BAT).

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Full professor of Experimental Physics

The Department of Physics at the University of Nijmegen has an opening for a full professor of experimental physics, who is expected to do research on phenomena involving high magnetic fields. In the Nijmegen High-Field Magnet Laboratory 30 Tesla fields are currently available, as well as other facilities supporting solid state physics experiments. Present activity is centered around optical and transport properties of semiconductors. It is planned to extend the research in the directions of magnetic materials and superconductivity. It is intended that eventually he/she will become the scientific director sharing responsibility for local and international access to this laboratory. Accordingly he/she should be capable of establishing and maintaining international co-operation, and to interact both with experimentalists and with theoreticians in related fields. There exists already close collaboration in high magnetic field facilities within The Netherlands (with Amsterdam in particular) in the frame of the Dutch National Science Foundation (FOM) and internationally with the Grenoble High Magnetic Field Laboratory.

The candidate should have a strong and wide background in solid state physics and be involved in present developments in that field. The applicant will be required to participate in the teaching activities of the Physics Department on the undergraduate as well as on the graduate level (the latter coordinated within the RIM, the interdisciplinary Research Institute for Materials.) He/she must be willing to contribute to the management-tasks within the Department and the Faculty.

Applications sent to the Chairman of the advisory appointment committee, should include a curriculum vitae, a list of publications as well as references. The committee would also welcome to receive the copies of a few (no more than five) of those publications the applicant is considering as among his/her most relevant ones. Letters containing suggestions of potential candidates are welcome.

Further information can be obtained from the Chairman of the advisory appointment committee: Prof.dr. A.G.M. Janner, Telephone: 31(80)613408. Telex: 48228 WINAT NL.

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