



## OPEN POSITION: PHYSICIST at the INSTITUTE FOR MAGNETIC FUSION RESEARCH (IRFM), CEA CADARACHE, FRANCE

### Description of the position

The Institute for Magnetic Fusion Research (IRFM, <http://irfm.cea.fr>) aims at starting the operation of WEST tokamak by the end of 2016. In a context of strong international scientific partnership, the results from this new fusion device are aiming at supporting the detailed design and preparing the operation of ITER, primarily in the domain of heat exhaust and divertor issues.

A physicist position is open in the IRFM Modeling, Heating and Scenarios Group (GMICS). The general scope of this position is to perform physics research on ITER-relevant topics via the preparation, realization and analysis by means of integrated modeling tools of selected experiments, focusing on heat and particle transport and their respective source mechanisms. Although the initial activity will be strongly focused on WEST, the work naturally involves comparison between various tokamaks and extrapolations to ITER. The main short term responsibility attached to this position is the coordination and implementation of the WEST plasma reconstruction chain, involving also data quality and consistency verification. Within this frame, candidates are invited to develop an ambitious physics project for WEST and beyond, which will be a dominant criterion of the selection process.

### Selection process

- **Applications** (including CV, list of publications + a ~3 pages document describing the physics project of the candidate) must be sent by **Friday 22<sup>nd</sup> of July** to [Jeronimo.garcia@cea.fr](mailto:Jeronimo.garcia@cea.fr) and [Frederic.imbeaux@cea.fr](mailto:Frederic.imbeaux@cea.fr).
- During the course of their project elaboration, applicants can raise questions to [Jeronimo.garcia@cea.fr](mailto:Jeronimo.garcia@cea.fr) or [Frederic.imbeaux@cea.fr](mailto:Frederic.imbeaux@cea.fr)
- Selected candidates will be contacted individually and will defend their physics project in front of an international selection panel. The **interviews will take place at IRFM on September 13<sup>th</sup>**.
- The recruitment is expected to be effective by the end of 2016.

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