

April 2008

Positions in Theoretical Physics

Within the FOM programme

Theoretical Physics in the era of the LHC

we are looking for Ph.D. students that want to work on challenging theoretical problems in phenomenological particle physics within a consortium of about 30 theorists in the Netherlands involved in the above FOM programme. Within the programme there are three research lines on ‘precision comparisons, ‘new particles’ and ‘discrete symmetry violations’. Depending on the supervisors, the Ph.D. students are employed by FOM at the NIKHEF institute, KVI-Groningen or the universities involved.

The challenging aspect of the FOM programme and activities funded by other means (EU, NIKHEF, universities, FOM projects) is involvement of many physicists, of the order of 10 Ph.D. students, 10 postdocs and 15 staff members, who are eager to combine their knowledge to understand the results of LHC experiments and combine them with cosmological observations. All these physicists regularly meet (Theory Center Meetings) to discuss progress of the research and new ideas.

For details on the Programme, see the webpage (<http://www.nikhef.nl/pub/theory/tpp.html>) or contact the Programme leader, Prof. dr. E. Laenen (e.laenen@nikhef.nl).

Interested students working on a Master in Theoretical Physics are encouraged to participate in the Theory Center Meetings and to express their possible interest in a Ph.D. position within the programme or within related areas. The interaction with staff members, Ph.D. students and postdocs is the best way to find out what best suits you, while even when there are no suitable positions within the programme, the staff members can assist you in finding a suitable position (which includes help in finding positions in related areas in experimental or mathematical physics)

Students can send an expression of interest (no obligations), preferably with an overview of courses taken so far, interests and the topic of master research to Prof. dr. P.J. Mulders (mulders@few.vu.nl).