**Study programme:** Master of Physics / Master in de Fysica

**Drawn up on:** 01/12/2019

KU Leuven uses the [COBRA method](https://www.kuleuven.be/english/education/quality/cobra-english/quality-assurance-method) to work on the quality of its study programmes. In this report the programme committee reports every four years on the quality of its programme(s) and describes the identified strength(s) and planned action(s) of its programme(s). Master of Physics, Master in de Fysica.

# Strengths of the study programme(s)

* + - * The master programme has a logic and flexible structure and offers a good balance between specialized and broadened knowledge. Apart from the master’s thesis, the programme contains three clear groups of connected courses. Next to a group dedicated to advance, general physics courses, one group contains highly specialized physics courses within the domain of the master’s thesis; the courses in the third group are oriented towards the work field either society related or research related.
* The master programme is highly research based and its specialization profiles (Condensed Matter Physics, Nuclear Physics and Theoretical Physics) are strongly related and integrated with the research lines within the Department of Physics and Astronomy. Moreover, the educational methods fully embrace the research skills and approaches (presentations, literature study, paper discussions…).
* The thesis consists of an original research work by the student. It proves to be a powerful training in becoming a true independent researcher.
* Through lab visits, all students are given an inside view into other international research labs and large scale research facilities.
* Through several info sessions, clear model trajectories, and low-barrier personal advice from study advisors and programme director, students are well supported in planning their study trajectory.

# Planned actions

* The programme will continue to work on the coherence and connection between the different courses (learning lines) by organising ‘learning-line’ discussions among the didactic teams of connected courses.
* The programme aims to further intensify the integration of its own research topics and state-of-the-art experiments within the different master courses, e.g. by including demo’s and lab visits.
* In order the stimulate the master students to participate more in internships and in international Erasmus exchange programmes, the programme wishes to optimize the communication on these possibilities and set up pre-defined exchange packages of courses that can be taken up by students during their exchange abroad.