This study is about a research within a course on quantum Physics of the IDIFO Master. Data we took stress the importance of some characteristics of the IDIFO course such as the study of different approaches (based on the results of university research activity) and the great number of collective discussions between teachers and trainers in promoting better results in constructing personal paths for the school. Students’ previous ideas will be presented, as well as the analysis of the new contents and methods proposed in the Master course, compared with a traditional one.