



## **AWARDS**

### **VALENTINA MARIANI HAS WON THE L'ORÉAL FOR WOMEN IN SCIENCE AWARD**

Valentina Mariani, a researcher at the INFN division in Perugia and member of the CMS collaboration, is among the winners of the 2020 edition of the "L'Oréal Italia For Women in Science" award. Established eighteen years ago by the French cosmetics company L'Oréal, in collaboration with the Italian National Commission for UNESCO, the programme awards 6 scholarships, each worth 20,000 euros, to 6 female Italian scientists under the age of 35, engaged in life sciences or in the fields of physical sciences, mathematics and computer science, in order to encourage and support their research work and professional growth, while promoting the essential role of women in the scientific enterprise. Valentina Mariani was awarded the funding thanks to a project on the development of the upgrades to the CMS experiment, one of four experiments at the CERN LHC, to be implemented in the near future. The jury of the award, which evaluated more than 300 applications from all over Italy, was chaired by Lucia Votano, INFN Emeritus Research Director. The scholarship will allow the winners to work for ten months in collaboration with L'Oréal at any Italian institute and therefore to carry out their respective research activities. The project coordinated by Valentina Mariani will concern the design of the data analysis for the CMS experiment, related to the LHC high-luminosity phase, which, starting from 2027, will produce a much higher number of collisions between particles inside the accelerator than currently available. This will result in the production of a greater amount of data than in the past, which could provide access to rare phenomena that we are currently unable to observe. ■