



Grupo de Altas Enerxías da USC (IGFAE)  
Facultade de Física  
Universidade de Santiago de Compostela (Campus Sur).  
15782-Santiago de Compostela, Spain.

Tel: +34 881813986  
Fax: +34 881814086  
Web: <http://www.usc.es/gaes>  
Email: [Bernardo.Adeva@usc.es](mailto:Bernardo.Adeva@usc.es)

## PhD. Student Position in LHCb (GAES-Santiago de Compostela)

The High Energy Physics Group at the *Universidade de Santiago de Compostela* (Spain) has an opening for a student to start a PhD thesis within the LHCb experiment at CERN.

We seek a graduate student who is willing to complete the University de Santiago de Compostela “Master in Particle and Nuclear Physics” in the first year. Outstanding students with a master degree will also be considered.

The main project of the experimental High Energy Physics Group at the University of Santiago de Compostela is the study of flavor and CP-violation at the LHCb experiment at CERN, which aims to perform an accurate mapping of the quark mixing matrix, specially the phases between the second and third generations. The experiment also aims to explore heavy meson decays highly suppressed in the Standard Model, such as  $B_s \rightarrow \mu^+\mu^-$ . The group has undertaken leading responsibility in the construction of the LHCb Silicon Tracker and is involved in the upgrade of the VELO detector of the experiment.

The candidate will be member of the LHCb collaboration. The position is based in Santiago de Compostela and implies frequent visits to CERN. It will be extendable to four years. The salary is competitive and includes health and social security benefits (information on request to Prof. B. Adeva Andany).

The deadline for full consideration of the applications is September the 15<sup>th</sup> 2011. Applicants should send a C.V. including an academic record, and at least two reference letters to Prof. Juan Saborido Silva [Juan.Saborido@usc.es](mailto:Juan.Saborido@usc.es).

The *Universidade de Santiago de Compostela* is a five century old institution located in the city of Santiago de Compostela. The city's Cathedral is the destination of the important 9th century medieval pilgrimage route, the Way of St. James. In 1985 the city's Old Town was designated a UNESCO World Heritage Site.