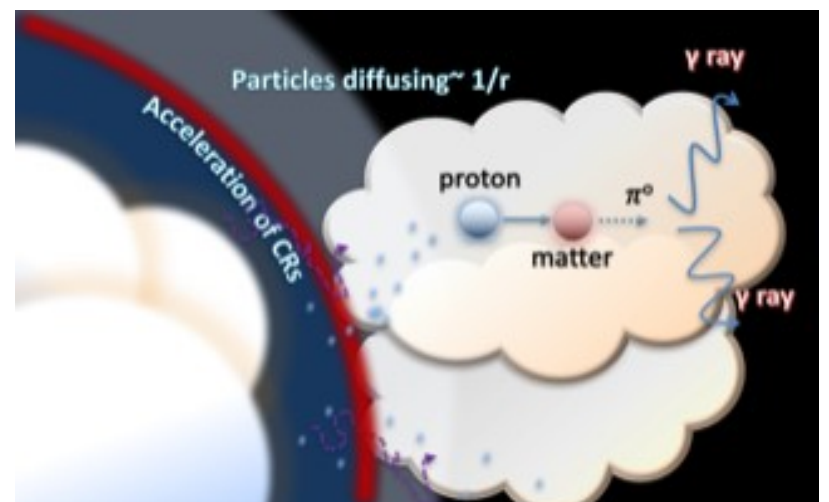


Galactic Factories of Cosmic Rays: Understanding Cosmic Rays through Gamma-Ray Observations.

Tuesday, 10 December, 2019, DESY Auditorium, 16:45 h

Emma de Oña Wilhelmi (DESY)

Galactic rays below 10^{15} eV are believed to come from our own Galaxy. Their origin and propagation can be studied through the imprint they leave on gamma-ray radiation from background sources due to their interaction with matter and radiation fields. Gamma-ray sources of different sizes (few thousand kms to kilo-parsecs) can directly probe acceleration and propagation of Cosmic Rays on various scales. I will review the status of this research field and the most outstanding discoveries, and discuss its prospects with the CTA observatory.



- **Coffee, tea and cookies will be served at 16:30h**
- **After the colloquium there is a chance for private discussions with the speaker over drinks and pretzels**