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## **The Climate Emergency: can Particle Physics ever be sustainable?**

*Monday 10 June 2024 14:45 (30 minutes)*

We live in a climate emergency and consequently all countries are putting in place measures to reduce their carbon emissions in order to reach a so-called “net zero emissions” by 2050. All aspects of economic life will be affected by such measures, including particle physics research. I will present some examples of sources of carbon emissions within the field of particle physics. This will include emissions associated with building and running accelerators, detector operations, high-performance computing and activities associated with our research life like travel. I will also present solutions being developed for addressing this in the near and long term as well as recommendations for the field.

**Presenter:** Prof. BOISVERT, Veronique (Royal Holloway, University of London)

**Session Classification:** Invited Talks