

Know your footprint - Evaluation of the professional carbon footprint for individual researchers in high energy physics and related fields

Friday 19 July 2024 14:30 (15 minutes)

With the ever-increasing requirement for sustainability in the modern age, it is crucial to understand the environmental impact of High Energy Physics (HEP) and related fields, especially considering the field's high resource consumption. This talk attempts to quantify the carbon footprints associated with four categories: Experiment, corresponding to the large infrastructure within HEP collaborations; Institute, accounting for the emissions from research institutes and universities; Computing, covering the resource consumption for data analysis and running simulations; and Travel, accommodating business trips for conferences, workshops, and meetings. A survey for self-evaluation was devised based on these studies, enabling colleagues to estimate their professional footprint. The *Know your footprint* campaign aims to raise awareness, identify the dominant contributing factors to the HEP-related footprint, and motivate the community to move towards more sustainable research practices.

Alternate track

I read the instructions above

Yes

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