

Sustainability in Astroparticle Physics

Stefan Funk (FAU)

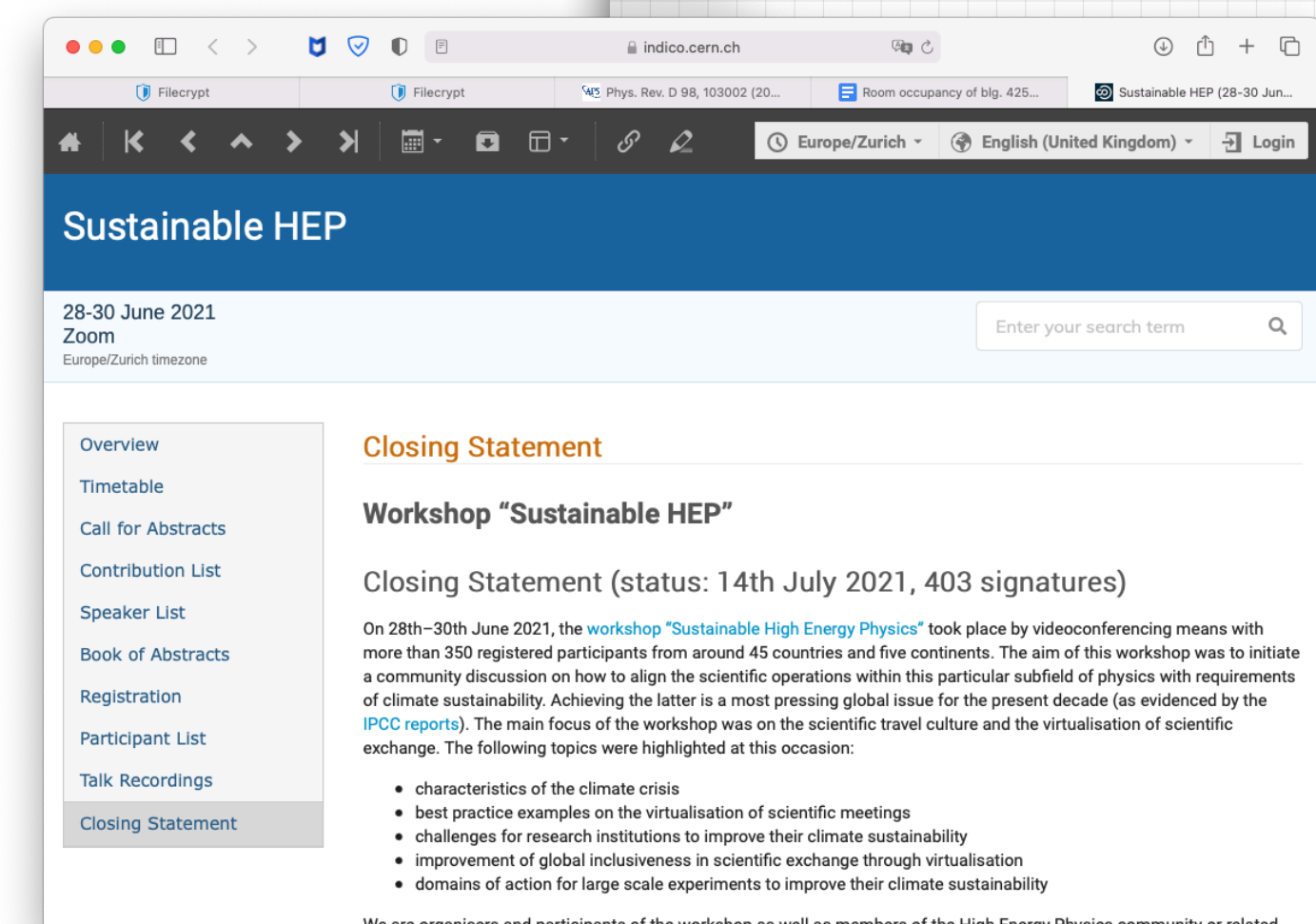
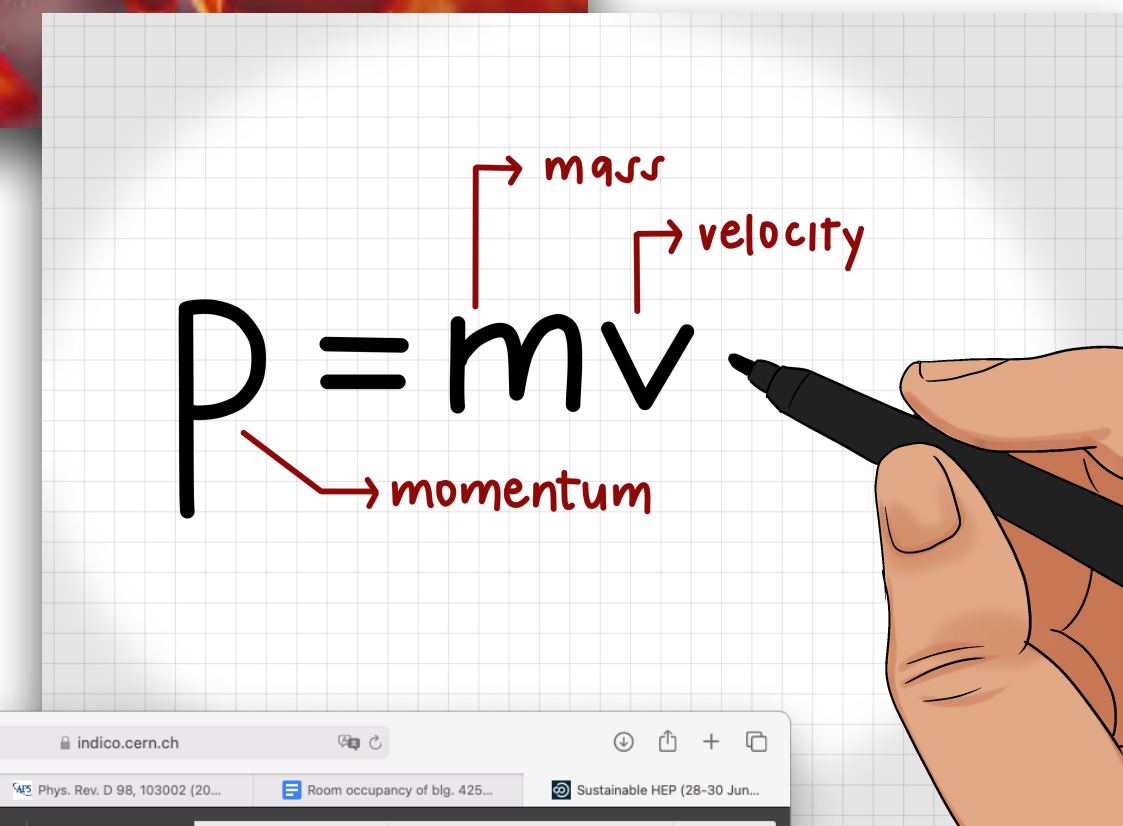
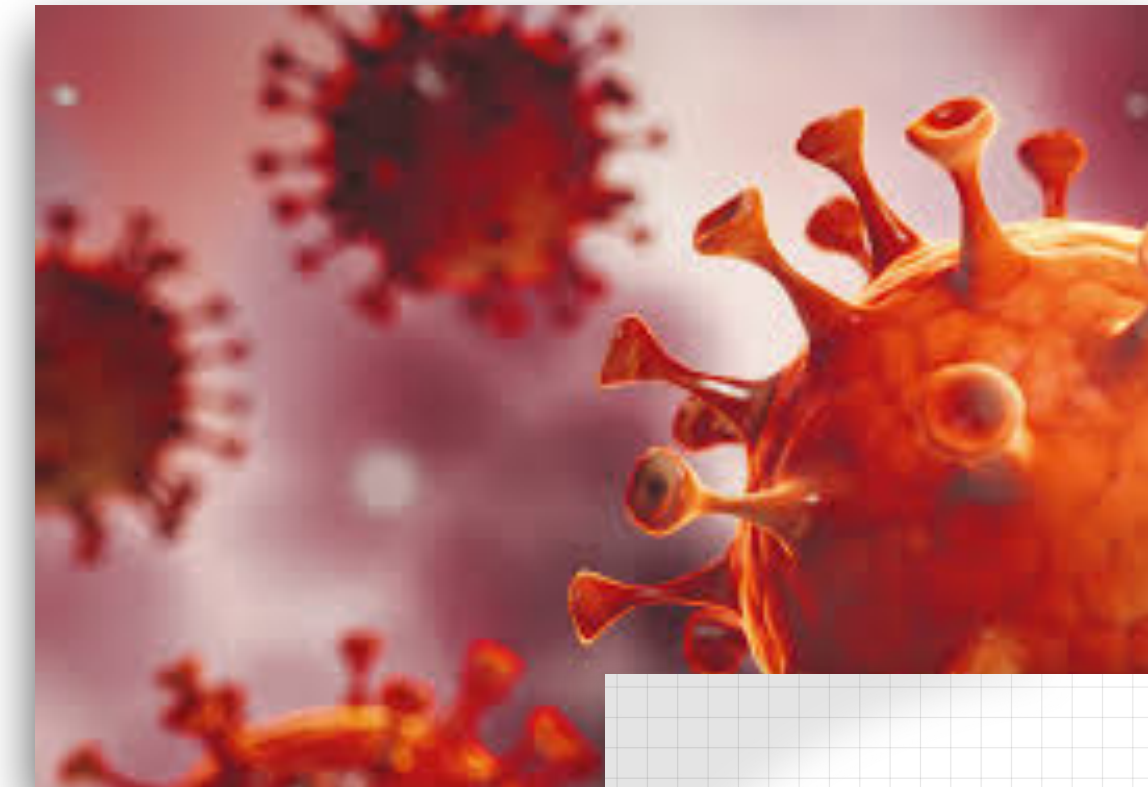
Uli Katz (FAU)

Markus Roth (KIT)



Motivation

- COVID19 has triggered many new developments unimaginable prior to pandemic
- The momentum for change and rethinking is strong at the very moment (hopefully reaching critical mass in our community today:)
- Several other science communities have started initiatives on sustainability already (e.g. recent HEP workshop on *Sustainable HEP*)



Agenda of today

- Knud Jahnke: Sustainability in Astroparticle Physics (Introduction)
- Victoria Grinberg: Sustainable Conferences/travel in astroparticle Physics
- Volker Lindenstruth: Green computing
- Christos Markou: Green experiments

- Course of the meeting
 - 12 minute talks + 3 minutes for questions
 - General discussion afterwards

Knud Jahnke

Introduction



- Studies of physics+astronomy, Uni Hamburg, incl. 1 year at Uni Uppsala, Sweden
- PhD Astronomy, Uni Hamburg, 2002
- Postdoc Leibniz Institute for Astrophysics, AIP, Potsdam, 2002-2005
- Postdoc Max Planck Institute for Astronomy (MPIA), Heidelberg, 2005-2007
- Emmy-Noether Group Lead MPIA, 2007-2012
- Staff astronomer and Euclid Mission group lead at MPIA, since 2011
- Within Euclid (=ESA cosmology space mission, launch 2022) context: instrument scientist for near-infrared photometry

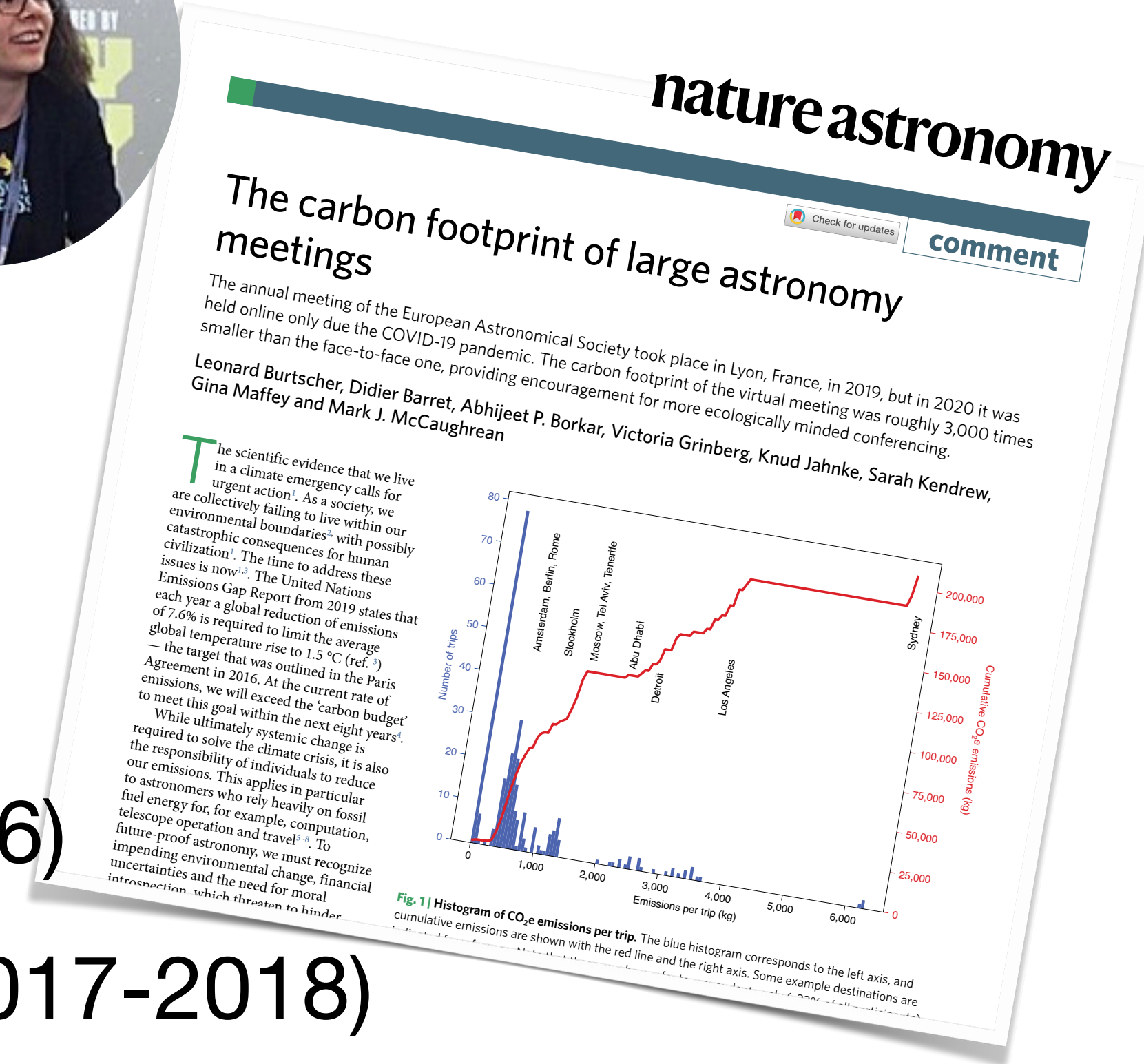


Victoria Grinberg

Sustainable Conferences/travel



- Studies of physics+astronomy, Ludwig Maximilians University in Munich, Germany
- PhD at the Remeis Observatory, Bamberg and Erlangen Centre for Astroparticle Physics (ECAP)
- Postdoc at MIT Cambridge/Boston USA (2014-2016)
- Postdoctoral research fellowship at ESA/ESTEC (2017-2018)
- Junior research group leader at the University of Tübingen, Germany
- Scientist with the Science Division at the European Space Agency (ESA) based at ESA's European Space Research and Technology Centre (ESTEC) in the Netherlands



Volker Lindenstruth

Green computing



- Studied Physics at TU Darmstadt (Diploma in 1989)
- Phd at Goethe University Frankfurt (1993)
- Feyodor v. Lynen Fellow at LBNL Berkley (1993-1995)
- Scientific Staff at UC Space Science Laboratory, USA (1995-1997)
- Chair of Computer Engineering at U. of Heidelberg and Director for the Kirchhoff Institute (1998-2009)
- Since 2010 on the board of FIAS, (chaired in 2012-2018)
- In charge of scientific IT at the GSI Helmholtz centre since 2010.



Christos Markou

Green experiments



- Studied at Imperial College, University of London, UK, obtaining his B.Sc. (1985)
- PhD at Imperial College, University of London, UK (1989)
- Participated in several high energy particle physics experiments, at CERN, Geneva and DESY, Hamburg, and lately at KM3NeT
- Researcher at NCSR DEMOKRITOS Institute of Nuclear and Particle Physics (1995-today)
- Chairman of the Institution Board of KM3NeT (2016-2019)
- Director of the Institute of Nuclear and Particle Physics of NCSR DEMOKRITOS (2019-today)

