



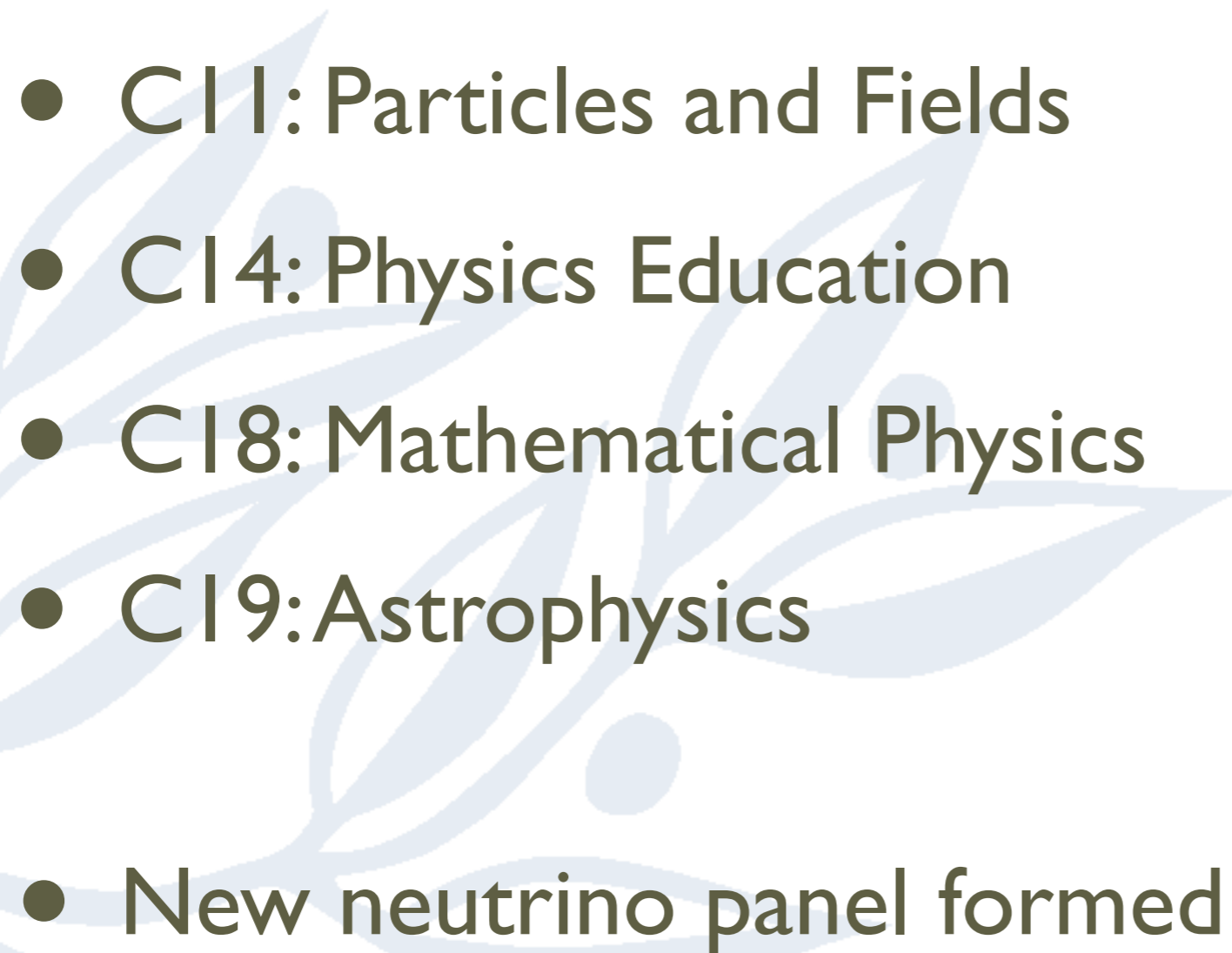
C4 - Joakim Edsjö, Stockholm University

C11 - Johan Rathsmann, Lund University

# IUPAP aims

- to stimulate and promote international cooperation in physics;
  - to sponsor suitable international meetings and to assist organizing committees;
  - to foster the preparation and the publication of abstracts of papers and tables of physical constants;
  - to promote international agreements on other use of symbols, units, nomenclature and standards;
  - to foster free circulation of scientists; to encourage research and education.
- 

# Commissions (20 in total)

- C4: Astroparticle Physics
  - C11: Particles and Fields
  - C14: Physics Education
  - C18: Mathematical Physics
  - C19: Astrophysics
  - New neutrino panel formed
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- A decorative graphic of stylized blue leaves and branches is positioned on the left side of the slide, partially overlapping the list of commissions.

# C4 commission: Astroparticle Physics

- C4 was renamed from *Cosmic Rays* to *Astroparticle Physics* in 2013. Mandate:  
*“...to promote the exchange of information and views among the members of the international scientific community in the general field of Astroparticle Physics.”*
- Motivation of name change: to broaden C4 and include also e.g. dark matter
- Connects to C11 (Particles and Fields) and C19 (Astrophysics)
- Chair: Sunil Gupta (2018-2021), Takaaki Kajita (2022–)  
Member from Sweden: Joakim Edsjö (2018–2021), Riccardo Catena (2022–)

# Work in commission

- Conference support
- IAB for the ICRC conference
- Award nominations
- Newsletter to IUPAP ← **Sign up at [iupap.org](http://iupap.org)**
- Sometimes answer enquiries from IUPAP
- Telecons a few times a year and face to face meetings at the ICRC conference

# Conferences

- C4 can support conferences in Astroparticle Physics:
  - Category A: up to 11500€ for the main conference, in our case ICRC
  - Category B: up to 5000€ (apply to C4 Chair Takaaki Kajita)
  - Category C: only moral support, i.e. recognition as IUAP recognized conference which often helps for receiving third party support.
  - Category D: workshops for developing countries, ~7000 €
- Main conference: ICRC (bi-annually).
  - 2021: Berlin, Germany (hybrid)
  - 2023: Osaka, Japan
  - 2025: Geneva

Important that also e.g. dark matter community participates!
- Other conferences: idm, TeVPA, TAUP, ISVHECRI, ECRS...
- Note: conferences need to follow IUPAP rules, e.g. have reasonable VISA conditions

# Awards

- C4 selects winners of several awards. This is a good way to recognize outstanding scientists (young and old), so **please nominate** (to Takaaki Kajita) your excellent candidates!
- IUPAP Young Scientist Prize in Astroparticle Physics  
*in recognition of outstanding contribution of a young scientist to the area of Astroparticle Physics*  
2021: Carlos Arguelles Delgado and Francesca Calore
- IUPAP-TIFR Homi Bhabha Medal and Prize  
*to an active scientist who has made distinguished contributions in the field of high-energy cosmic-ray physics and astroparticle physics over an extended academic career*  
2021: Francis Halzen
- O’Ceallaigh Medal  
*to honour scientists who have made distinguished contributions to Cosmic Ray Physics*  
2021: Paolo Lipari
- Shakti Duggal Award  
*to recognize an outstanding young scientist for contributions in any branch of cosmic ray physics*  
2021: Ke Fang
- Yodh Prize  
*to recognize a scientist whose research career has had a major impact on the understanding of cosmic rays*  
2021: Anthony Bell

**Deadline for nomination is usually in February the year of an ICRC (2023, 2025, ...)**

# ICRC 2021

**ICRC 2021**  
THE ASTROPARTICLE PHYSICS CONFERENCE  
Berlin | Germany

37<sup>th</sup> International  
Cosmic Ray Conference  
15–22 July 2021



- Berlin, but online, with interesting format
  - core time each day 14–18 Berlin time:
    - plenary talks
    - discussion sessions on pre-recorded parallel session talks
    - poster sessions
  - 80 EUR for attendance, +50 EUR/presentation
  - 1800 attendees (cf. 800 when physical)
  - Presentations etc publicly available: [icrc2021.desy.de](https://icrc2021.desy.de)
  - Next ICRC (2023) will be planned to be physical, but keeping discussion sessions and some online presence

[icrc2021.desy.de](https://icrc2021.desy.de)



# Summary C4

- Mandate in the C4 commission is primarily to represent our field, i.e. astroparticle physics
- Encourage more participation at ICRC
- Nominate for awards! (there are in general too few nominations)
- Conference support possibility

# C11 - Particles and Fields

14 members, mandate Jan 1, 2022 — Dec 31, 2024?,

Chair: Florencia Canelli, Member from Sweden: Roman Pasechnik

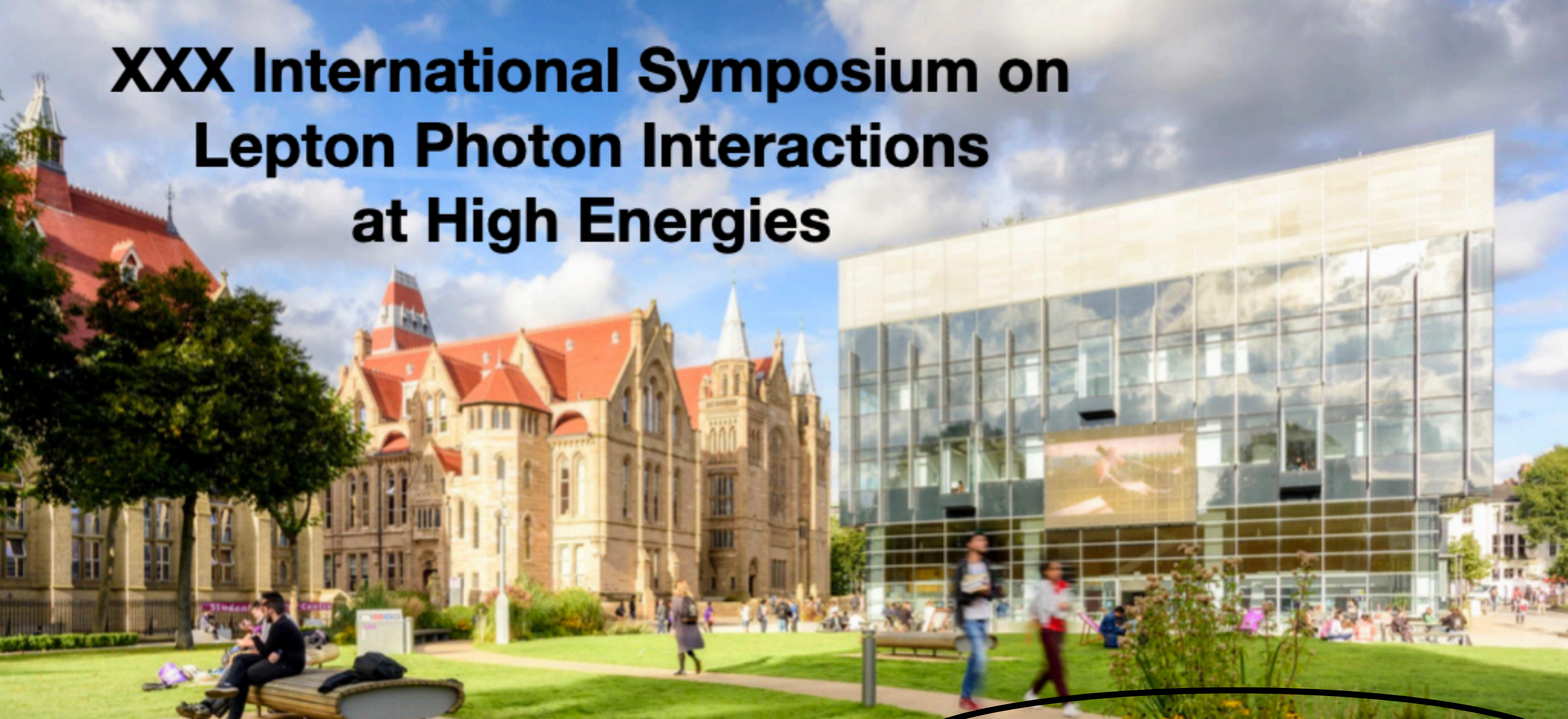
Governing body for ICHEP and Lepton-Photon conferences

- Decides on organizers: Lepton-Photon 2021 (2022) Manchester Jan 10-14, ICHEP 2022 (July 6-13) Bologna, Lepton-Photon 2023 Melbourne, ICHEP 2024 Prague (again)
- Final decision ideally made at ICHEP for 4 years ahead, candidates should make proposals well before that
- Follows up planning, gets reports and gives feedback. Both on overall organisation and scientific program
- New format of Lepton-Photon to counteract dwindling participation - both parallel and poster sessions

## Other discussion points/tasks:

- Hybrid format for future conferences (fees, timing, etc)
- Sustainable HEP - distributed conferences with local hubs
- Receives applications and proposes level of support to international conferences (\$10.000, \$5.000, \$2.000)
- Ensures supported conferences fulfil criteria regarding: affordability, world-wide participation, gender equality and “code of conduct”
- Decides on bi-annual Young Particle Physicist Prize, awarded at ICHEP - **need coordinated nominations this winter**

# XXX International Symposium on Lepton Photon Interactions at High Energies



Please visit <https://indico.cern.ch/e/lp2021>

10-14 January 2022 in Manchester

*Hybrid event*

*Moved from summer  
due to pandemic*

