

APS and the Physical Review Journals



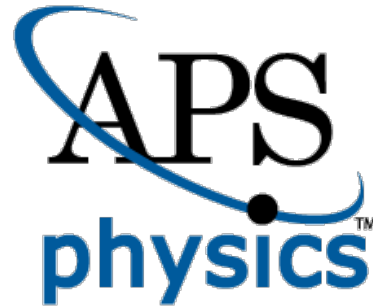
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AMERICAN PHYSICAL SOCIETY



“To advance and diffuse the knowledge of physics for the benefit of humanity, promote physics, and serve the broader physics community, we

- Provide a welcoming and supportive professional home for an active, engaged, and diverse membership
- Advance scientific discovery and research dissemination
- Advocate for physics and physicists, and amplify the voice for science
- Share the excitement of physics and communicate the essential role physics plays in the modern world
- Promote effective physics education for all

APS Activities

Research & Scientific Dissemination

- Physical Review journals, Physics magazine
- APS March & April meetings, divisional meetings (DPF, etc.)
- Fellowships & Prizes

Policy Advocacy & International Affairs

- Lobbyist in DC, APS statements, cooperation with other societies
- Climate change, VISA issues, international cooperation, nuclear

Public Outreach & Education

- Public talks, PhysicsQuest, physicscentral.com, outreach grants

Diversity & Fairness

- Conferences, Bridge Program, Grants, Mentors

Consider Becoming an APS Member!

- Join online or by mail/fax
- Free 1 year trial for students!
- Reduced fees for Undergraduate, Graduate, Early Career and Senior members
- Open to all international physicists
- Matching Membership option for physicists from developing countries



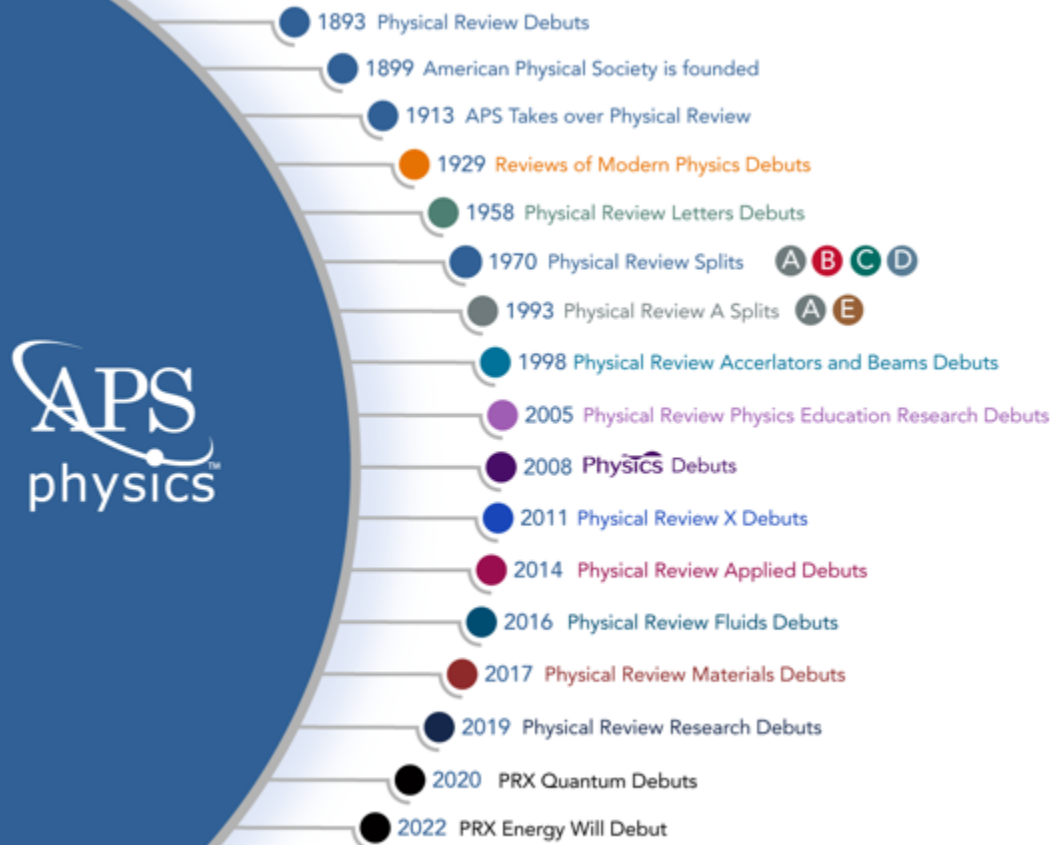
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Benefits

- Participate in APS governance
- Receive Physics Today and APS News
- Reduced registration and right to present at APS meetings
- Discounted access to APS journals
- Join 55,000+ in the broader physics community

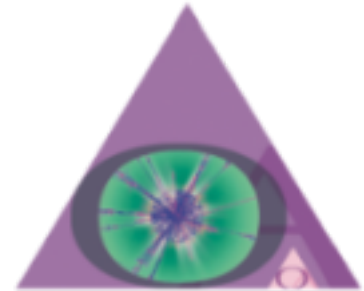
Physical Review Journals



~40,000 manuscripts
per year!

SCOAP³

CERN-led Sponsoring Consortium for Open Access Publishing to publish high-energy physics (HEP) papers open access.



HEP papers published after January 1, 2018 in **PRL**, **PRC**, and **PRD** are published open access, paid for centrally by SCOAP³. Library subscriptions modified accordingly.

- Must be posted on *arXiv.org* **prior** to publication with a primary category of **hep-ex**, **hep-th**, **hep-ph**, or **hep-lat**.
- Authors do not have to pay any charges, it's **free!**
- Papers may qualify irrespective of the authors' institutional affiliations or countries of origin.

PRD Editorial Initiatives

- Highlighting via Editors' Suggestions, since 2014

<https://twitter.com/physrevd>

- Reinforcing standards and more rejections without review (2020)

<https://journals.aps.org/prd/edannounce/10.1103/PhysRevD.102.010001>

- PR journals introduce/rebrand Letters section (2021)

<https://journals.aps.org/prd/edannounce/10.1103/PhysRevD.103.050001>

- Expanding coverage in astrophysics and astronomy (2022)

<https://journals.aps.org/prd/edannounce/10.1103/PhysRevD.105.020001>

Hiring of **Enrico Ramirez-Ruiz, Philip Chang, and Aurelian Hees** as part-time Editor and appointing three new members to the Editorial Board:

Manuela Campanelli, Daniel Kasen, Samaya M. Nissanke

Support Peer-Review: *Become a Referee*

<https://journals.aps.org/become-a-referee>

What we need:

- Unique identifier: ORCID, Google Scholar, Publons, personal website
- Supply expertise in which you have worked and published
- Keep your expertise and contact info up to date

What we look for:

- Current academic / research position with reputable publication record
- **Junior researchers:** Ask your advisor to write a **joint report**
- **Senior researchers:** Involve students in writing a **joint report**

Please submit good papers



Please write good reports

Questions & Comments about journals welcome

Feel free to come talk to me

APS is for physicists

Phys. Rev. journals are your journals

We need your engagement and feedback

Thanks!

APS Particle Physics and Cosmology

- Physical Review Letters
 - All subjects
 - High impact, Broad interest
 - Premier physics journal in the world
- Physical Review D
 - Field theory, gravitation, cosmology, astrophysics
 - Important and novel physics of interest to PRD readers
- Physical Review X
 - Fully Open Access, Highly Selective, Interdisciplinary
- Physical Review Accelerators and Beams
 - Fully Open Access, Accelerator science and technology
- Physical Review Research
 - Fully Open Access, Covers all fields at level of topical journals



APS Chapters

- APS Chapters seek to support the development of graduate students and early-career individuals as colleagues and future leaders.
- Pilot program launched Fall 2020
- Current participating Institutions:

- | | | |
|--|---|---|
| • Arizona State University | • Rochester Institute of Technology | • University of Central Florida |
| • Drexel University | • The Ohio State University | • University of Houston |
| • Florida State University | • The University of North Carolina at Chapel Hill | • University of Michigan |
| • Lawrence Livermore National Laboratory | • The University of Texas at Arlington | • University of Pennsylvania, University of Wisconsin-Madison |
| • Los Alamos National Laboratory | | |

Farah Dawood, APS Chapters Program Manager

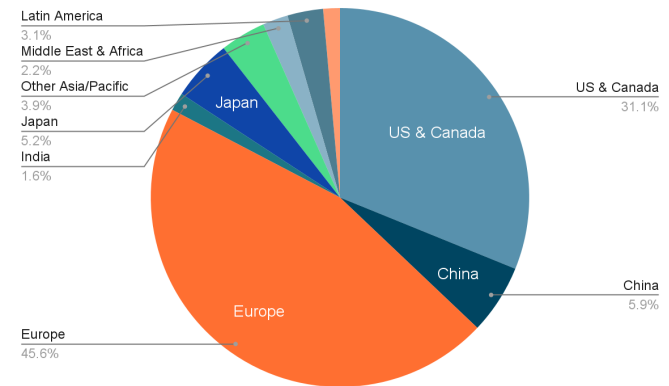
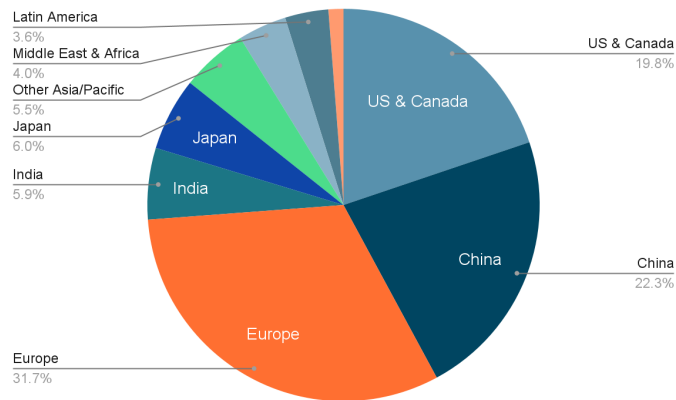
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The Global Physical

Review

Submissions by region:

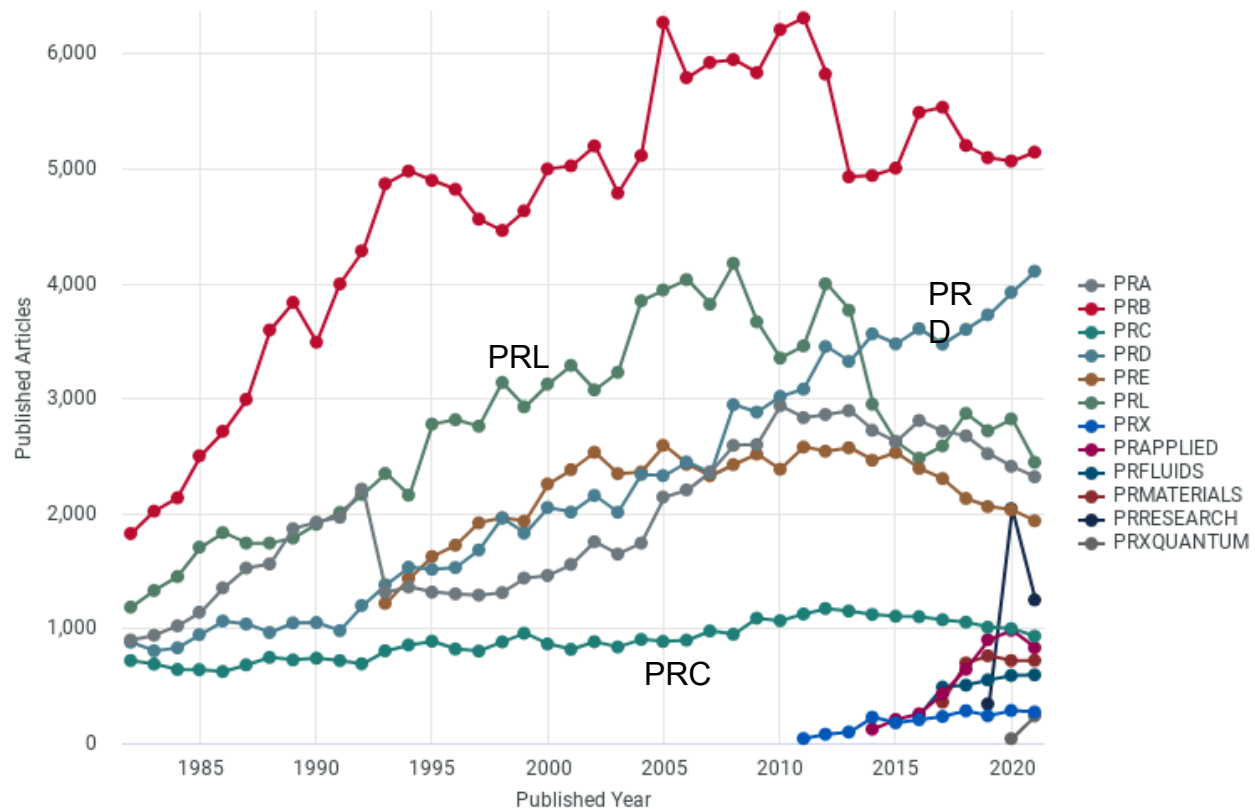
Referees by region:



Editors by region:



Increasing numbers



Open Access



“APS supports the principles of Open Access to the maximum extent possible that allows the Society to maintain peer-reviewed high-quality journals, secure archiving, and the Society's long-term financial stability, to the benefit of the scientific enterprise.”

- Goals: Published research should be freely available to all
- Driven by medicine, biology, unhappiness with commercial publishers
- Different models: Charges on publication, institution funded

APS Policies

- Authors free to publish accepted versions on own/institutional website, arXiv
- APS journals available for free at participating US public libraries and high schools
- Authors may pay APC to make article open access in any journal