

APS and the Physical Review



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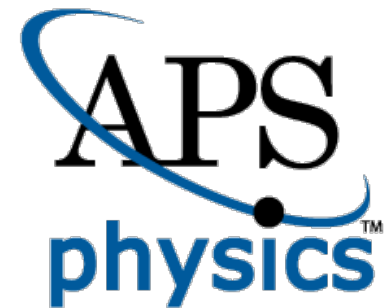
AMERICAN PHYSICAL SOCIETY

Vision - APS envisions a world inspired, enriched and sustained by a thriving physics enterprise

Mission - APS advances physics by fostering a vibrant, inclusive and global community dedicated to science and society

Core Values

- Scientific Method
- Trust, Integrity, and Ethical Conduct
- Equity, Diversity and Respect
- Collaboration
- Education and Learning
- Speaking Out



APS Activities

Research & Scientific Dissemination

- Physical Review journals, Physics magazine
- Meetings: APS Global Physics Summit, divisional meetings (DPF, DGRAV, 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

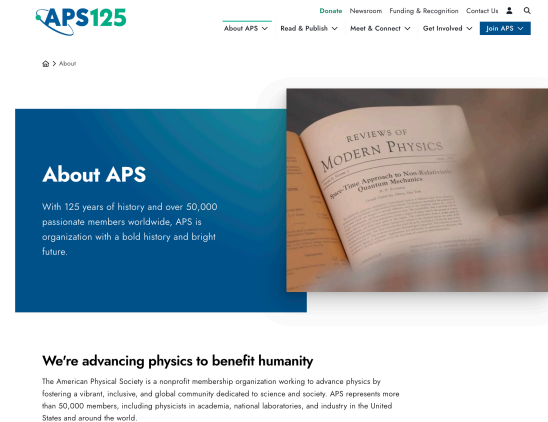
- Public talks, PhysicsQuest, outreach grants

Inclusiveness

- Conferences, Bridge Program, Grants, Mentor Programs

Consider Becoming an APS Member!

- 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
- New flexible memberships coming soon



www.aps.org

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



APS Open Science **NEW**



Physical Review A



Physical Review Accelerators and Beams



Physical Review Applied



Physical Review B



Physical Review C



Physical Review D



Physical Review E



Physical Review Fluids



Physical Review Letters



Physical Review Materials



Physical Review Physics Education Research



Physical Review Research



Physical Review X



PRX Energy



PRX Intelligence **NEW**



PRX Life



PRX Quantum



Reviews of Modern Physics

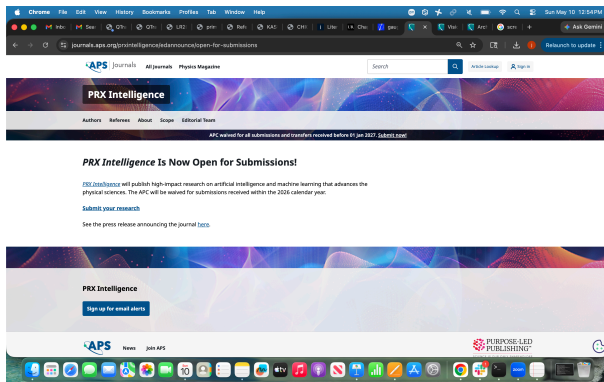
Founded in 1893

~40,000 manuscripts per year!

New Journals 2026

PRX Intelligence

- Selective journal for AI, machine learning with physics applications/methods
- Open Access
- Open for Submissions



APS Open Science

- Inclusive all-physics journal with flexible format for null results, replication, code and papers that don't fit our traditional journals
- Open Access
- Recently published first articles



SCOAP³



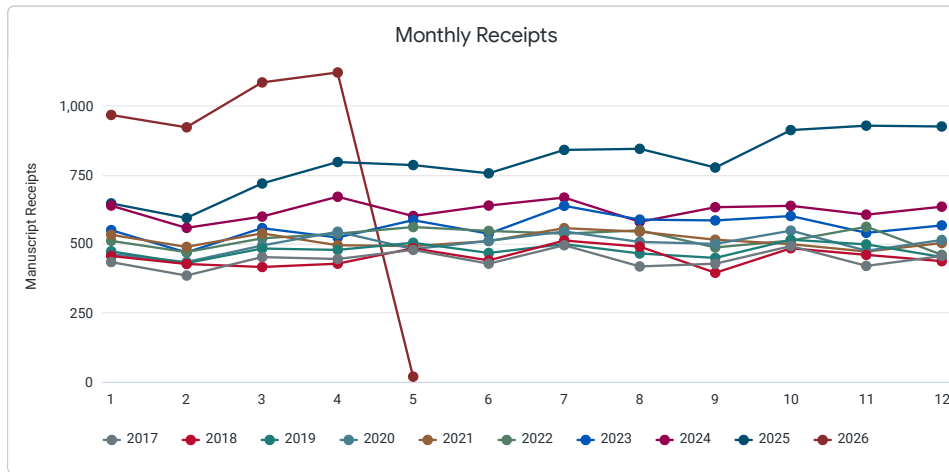
CERN-led Sponsoring Consortium for Open Access Publishing to publish high-energy physics (HEP) papers open access.

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.

AI in the Physical Review

- As you all know, AI is moving rapidly, and the journals are working to adapt
- Significant challenges: Massive influx of amateur papers, difficult to judge trustworthiness



- But, many physicists are experimenting with possible benefits to research, e.g. coding, making figures, locating references, checking math
- Current public policy is that AI/LLMs may be used for light editing of language. A revised policy is in the works with broader applications allowed. Stay tuned!
- Always disclose if and how AI tools were used.

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