

# Physics Education (CommF4)

Five white papers

## 1. Career/Education

- **Meeting the Challenges and the Opportunities - Educational Preparation and Training for Particle Physics and Related Research and Technical Careers.**

## 2. General Education – K/12 and Up

- **Rethinking Science and Mathematics in Secondary Education - Bridging of K/12 Education and Research Science.**

## 3. Particle Physics Specific Education

- **Restructuring the Particle Physics Curriculum in Higher Education to meet Twenty-first Century Challenges.**

## 4. Global Software Issues and HEP

- **Recasting Software and Computing Education to Drive Experimental and Theoretical Advances in Particle Physics.**

## 5. International Connections and Public Education

- **Particle Physics Without Boundaries – Scientific Experiments and Data Online and in your Hands.**

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## White paper on Particle Physics in Higher Education

- Current actions: Survey of undergraduate + graduate students, postdocs, faculty, and others to understand educational gaps
- Need help:
  - Forum for data collection
  - Publicizing the survey when it is released
  - Data analysis
- Involves several LBL affiliates (Erin Hansen, Scott Kravitz, Vetri Velan)

To join the Topical Group:

#commf04-phys\_edu on Slack

Tuesdays at 10:00am PT

To join the White Paper:

#early\_career\_physics\_education on Slack

Wednesdays at 9:00am PT