AWLC Early Career Panel:
Early Career Opportunities for Accelerator Physics

Nikita Kuklev and Edith Nissen

on behalf of Snowmass Early Career Accelerator Frontier

The field of Accelerator Physics

Accelerators are big and complex machines – necessitate centralized research

- Concentrated at National Labs (and close university partners), funded by DOE
- Goal-oriented projects ("we publish in concrete and steel") do not always produce peer-reviewed papers

Our field is small

- In US - about 20 graduates/yr. @ ~10 universities
- A lot of individual student-mentor relationships, or small groups

Accelerator Physics @ ILC

Getting into ILC community

- Opportunities for projects and collaborations on all scales
- Promoting visibility – connections to universities and new student recruitment
- Mentoring by current leadership and experts

Clarity about funding and employment prospects

- Which national labs will participate in ILC, and in what areas
- What is ILC hiring plan and timeline (postdoc and early career pipelines, nationality/other quotas)

Opportunities to publish

- Support for more fundamental research and small and mid-scale projects

Read more in our LOI: https://www.snowmass21.org/docs/files/summaries/AF/SNOWMASS21-AF1_AF0_SEC-AF-186.pdf