

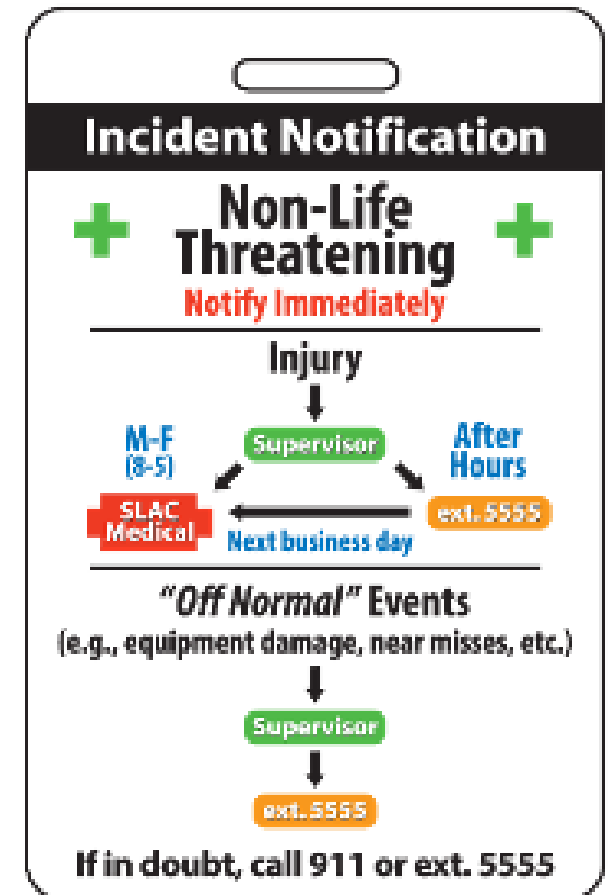
# In case of an emergency

## Fire

- Evacuate: Be aware of building exits
- Follow building residents to the assembly area
- Do not leave until you are accounted for and have been directed to leave

## Earthquake

- Remain in building: Duck, cover, and hold position
- When shaking stops: Evacuate building via a safe route to the assembly area
- Do not leave until you are accounted for and have been directed to leave





# US-Japan: Advanced Positron Source Concepts Collaboration Meeting

Welcome to SLAC

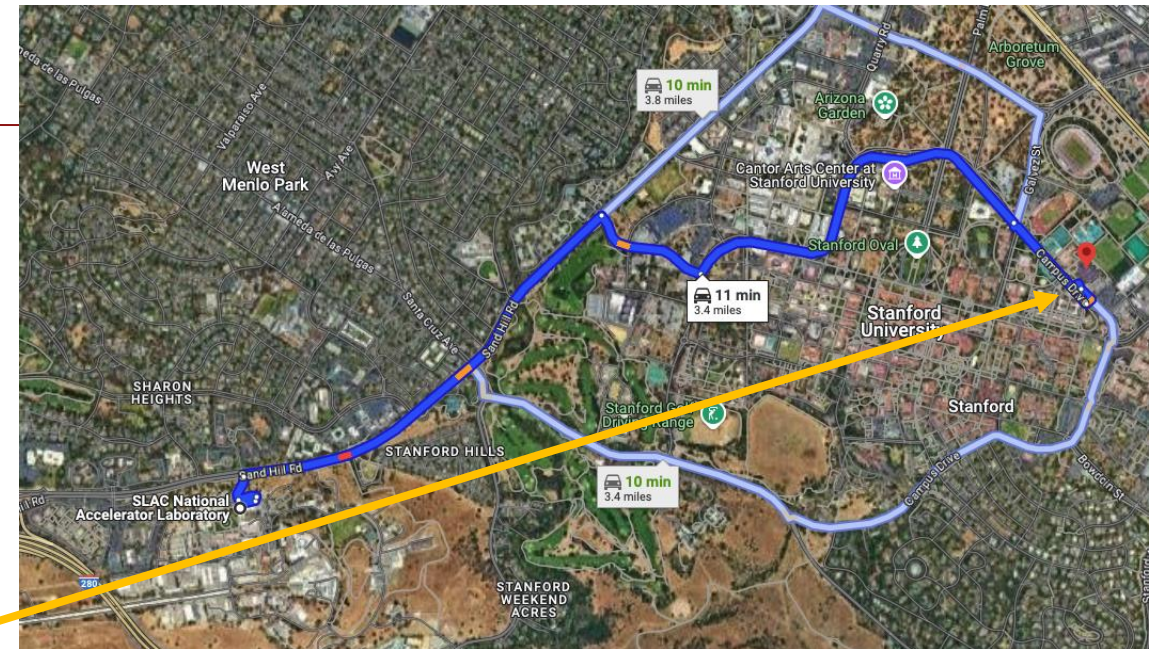
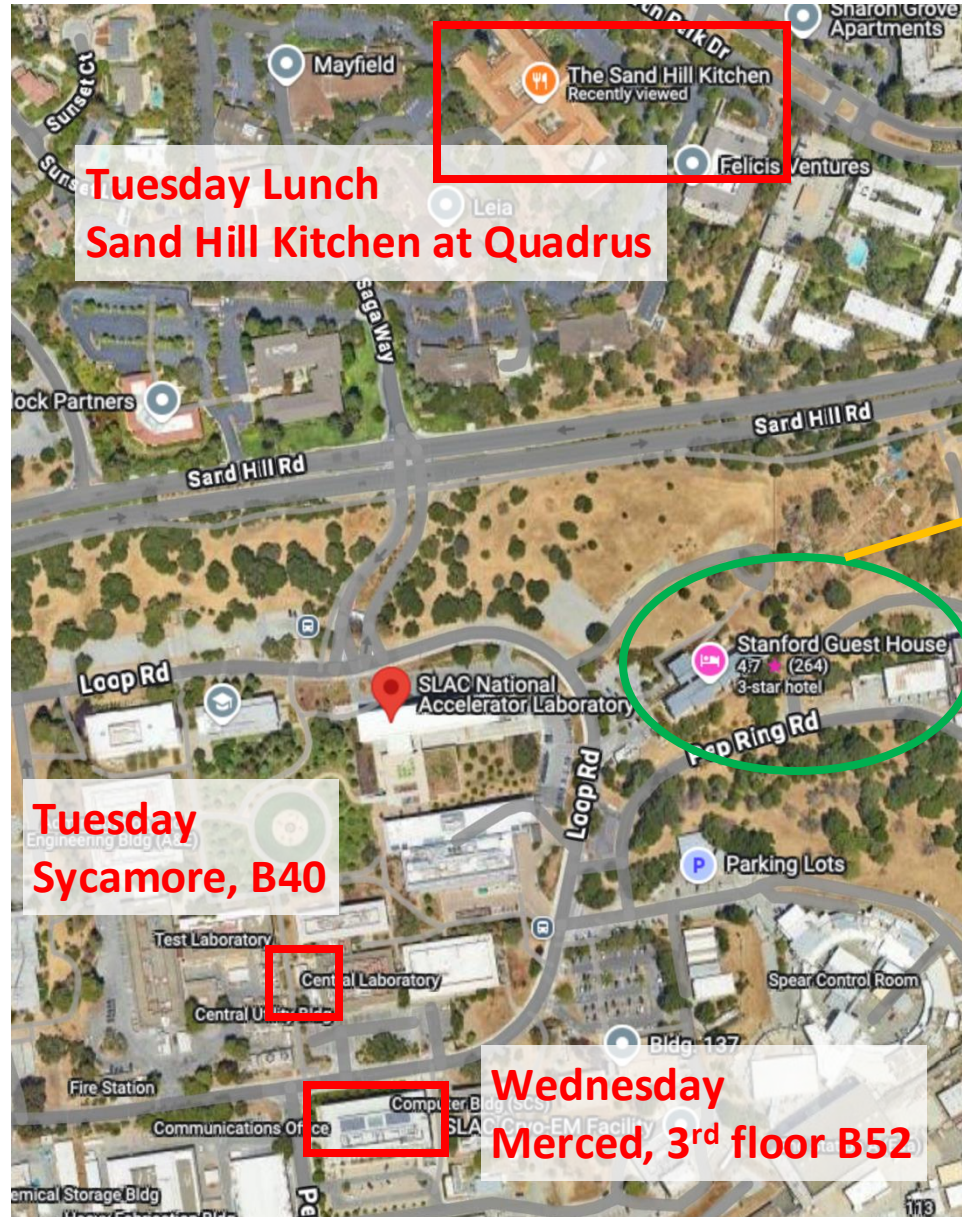
---

Spencer Gessner

February 25, 2025



# Locations



**Basketball and Dinner**  
**Stanford vs BC**  
**Wednesday Evening at 6PM**  
**Maples Pavillion on campus**





# Agenda

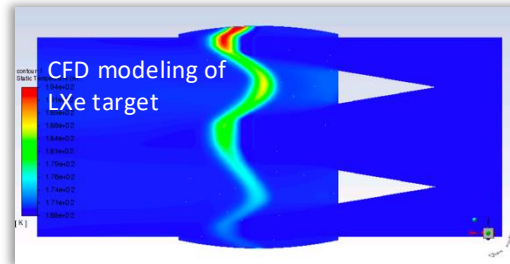
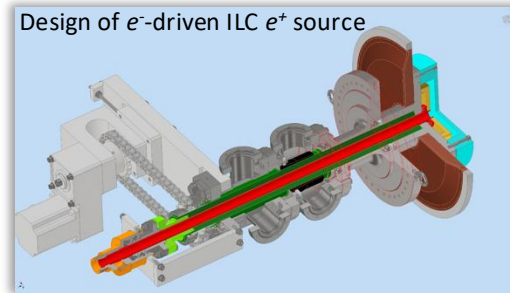
- Tuesday morning and early afternoon: Updates from JLab
- Tuesday late afternoon: Updates from KEK
- Wednesday morning: Updates from SLAC
- Wednesday late morning: NLCTA tour

Time	Event	Duration
09:00	Welcome to SLAC Speaker: Spencer Gessner (SLAC)	20m
09:20	Updates from JLab	
09:20	Update on e+ physics interest & R&D program at JLab Speaker: Joe Grames (Jefferson Lab)	20m
09:40	Update on Simulations of Polarized Positron Beams at Ce+BAF Speaker: Andriy Ushakov (Jefferson Lab)	30m
10:10	Coffee	30m
10:40	Discussion and Next Steps	
11:40	Lunch at Quadrus	1h 20m
13:00	Updates from JLab	
13:00	Initial Study on the Matching and Capturing Process in a CW Positron Source Ce+BAF Speaker: Shaoheng Wang (JLAB)	20m
13:20	Thermal simulations update Speaker: Silviu Covrig Dusa	30m
14:00	Coffee	1h
14:00	Also LC Vision meeting	
15:00	Updates from KEK	
15:00	Status report of e-driven positron source for ILC Speaker: Yoshinori Enomoto (KEK)	30m
15:30	Rotating target Speaker: Yu Morikawa (KEK)	30m
16:00	Capture simulation Speaker: Masafumi Fukuda (KEK)	30m

Time	Event	Duration
09:00	Updates from SLAC	
09:00	Compact Positron Source Speaker: Spencer Gessner (SLAC)	30m
09:30	LXe Modeling Update Speaker: Max Varverakis (Cal Poly, SLD)	30m
10:00	Structure Development Update Speaker: Emilio Nanni (SLAC)	30m
10:30	Coffee	30m
11:00	NLCTA Tour	
12:00	Lunch at SLAC Cafe	1h
13:00	Discussion and Next Steps	
17:30	Stanford Basketball Game	

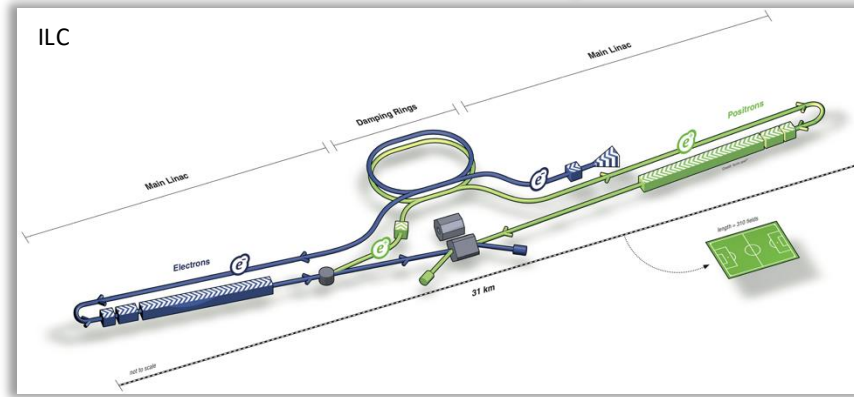
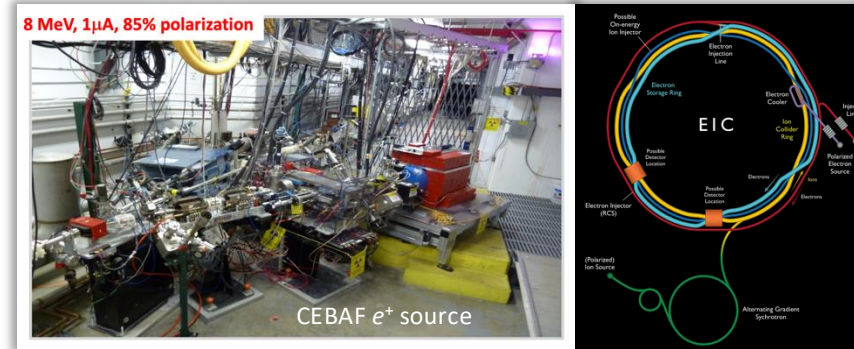
# Advanced Electron and Positron Source Concepts (FY24)

The *Advanced Electron and Positron Source Concepts* collaboration addresses particle source R&D topics relevant to the ILC, EIC, CEBAF facilities, as well as advanced R&D for future ultra-high-power sources.



R&D Topics

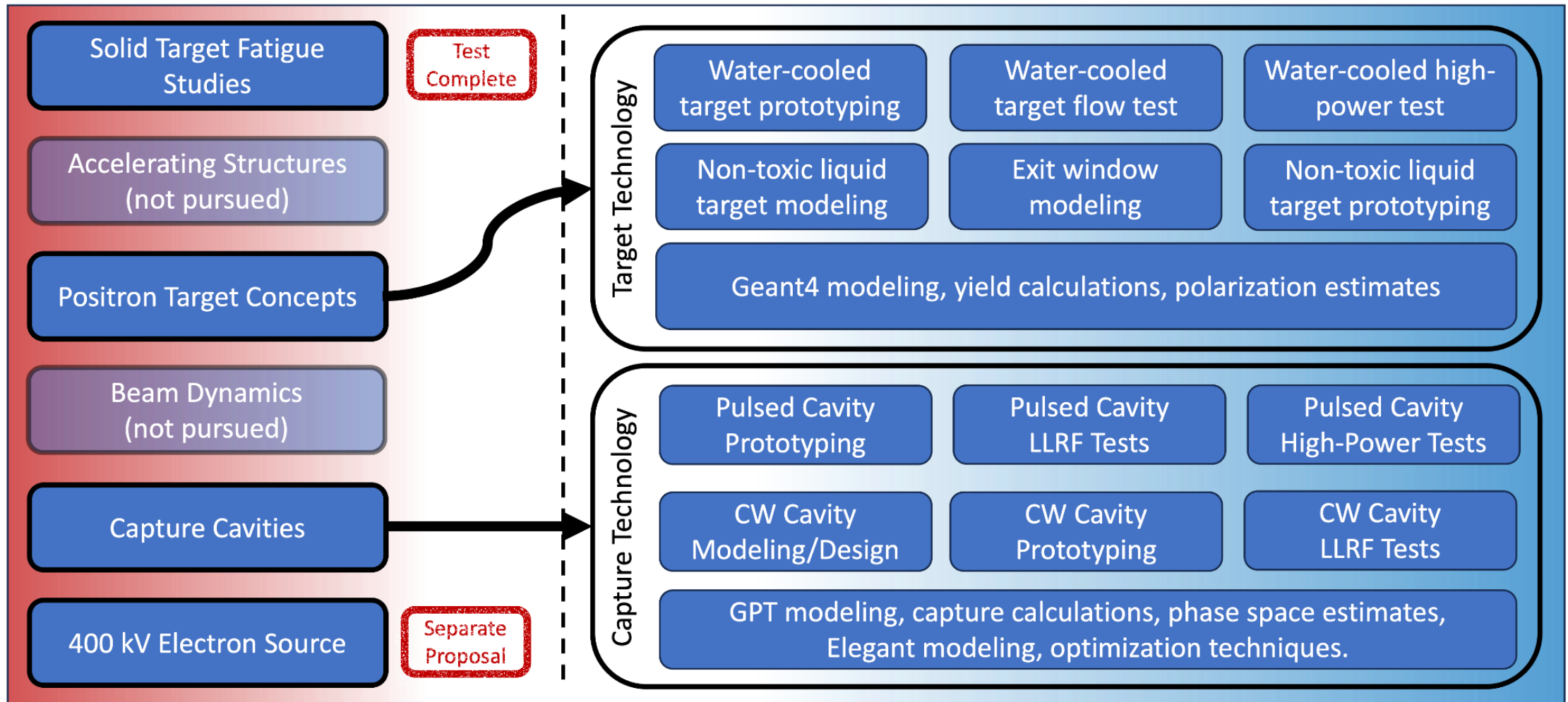
## Colliders and Facilities



# Advanced Positron Source Concepts (FY25-26)

2023-2024 (Currently funded)  
Advanced Electron and Positron Sources

2024-~~2026~~  
Advanced Positron Sources



# LDRD Compact Positron Source (FY25-26)

[Compact Source of Positron Beams with Small Thermal Emittance, R. Hessami and S. Gessner. Phys. Rev. Accel. Beams 2023.](#)

