

































ePIC SVT Disc plans/interests













# Path to TDR

Prototype corrugated pieces (FEA, mechanical & thermal tests, handling & gluing tests, etc.)	 BERKELEY LAB
Final disc design (sensor layout, corrugation pitch/depth)	 BERKELEY LAB 
Development of construction tooling	 BERKELEY LAB
Development of construction procedures/tests	 BERKELEY LAB
FPC development	 BERKELEY LAB 
Design of air inlet & outlet	 BERKELEY LAB
Design of disc supports	 BERKELEY LAB 
Service routing integration/design	 BERKELEY LAB  

# Construction

Wafer probing/testing	 <b>BERKELEY LAB</b>		(person sent to another site)
QC after thinning/dicing	 <b>BERKELEY LAB</b>		
Production of carbon fiber face sheets	 <b>BERKELEY LAB</b>		
Production of corrugated panels	 <b>BERKELEY LAB</b>		
Production of disc support pieces	 <b>BERKELEY LAB</b>		
Module production (gluing EIC-LAS onto carbon fiber, bonding to AncASIC & FPC bridge)	 <b>BERKELEY LAB</b>		 (person sent to another site)
Disc production (modules onto discs, attachment to common bus FPC)	 <b>BERKELEY LAB</b>		
Shipping, testing, integration	 <b>BERKELEY LAB</b>		

# Capabilities

Wafer probe station	
Wire bonding	 BERKELEY LAB
Sensor testing	 BERKELEY LAB  PURDUE UNIVERSITY  Los Alamos NATIONAL LABORATORY
Carbon fiber production	 BERKELEY LAB  PURDUE UNIVERSITY
Clean(ish) room	 BERKELEY LAB  PURDUE UNIVERSITY  Los Alamos NATIONAL LABORATORY
Coordinate Measuring Machine	 BERKELEY LAB  PURDUE UNIVERSITY ?  Los Alamos NATIONAL LABORATORY ?