



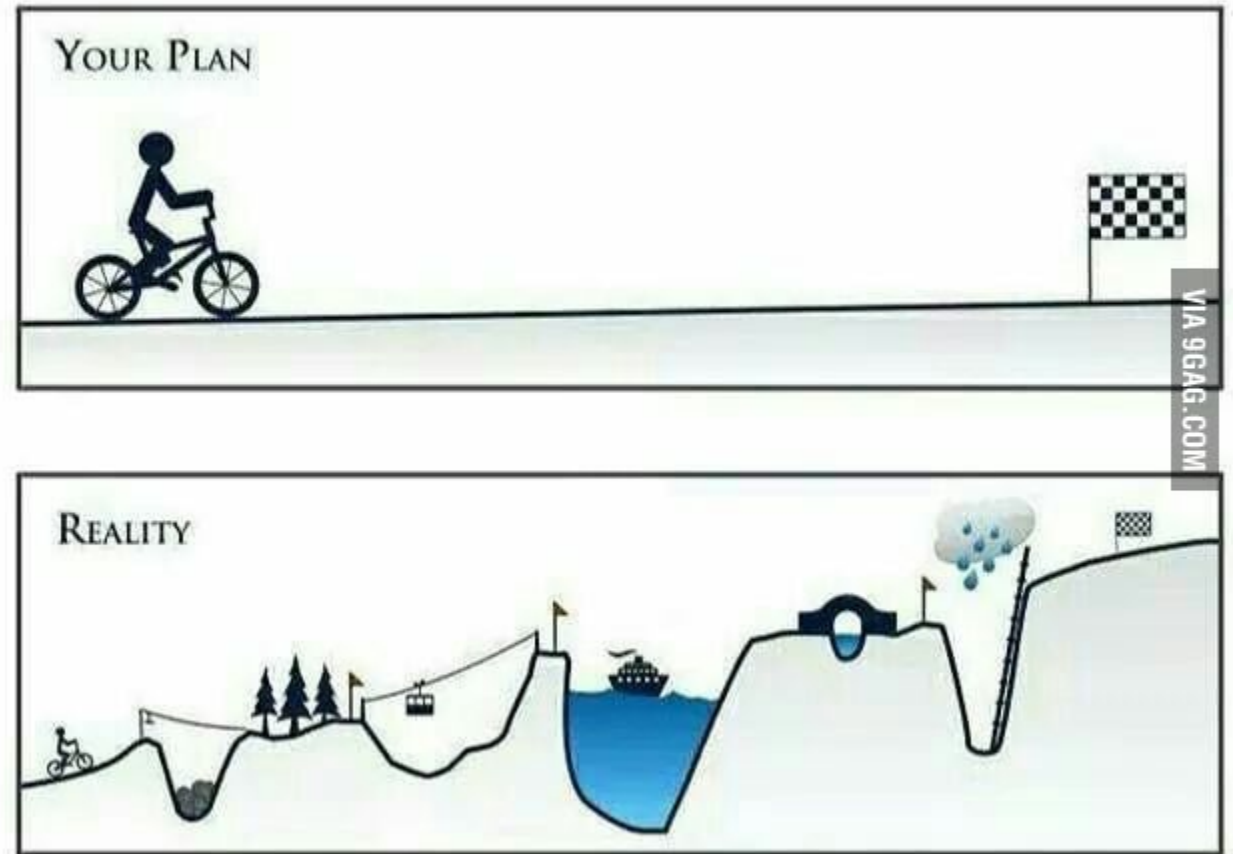
ePIC Conveners Meeting October 14, 2022

ePIC Steering Committee

Silvia Dalla Torre, Or Hen, Tanja Horn, John Lajoie, and Bernd Surrow

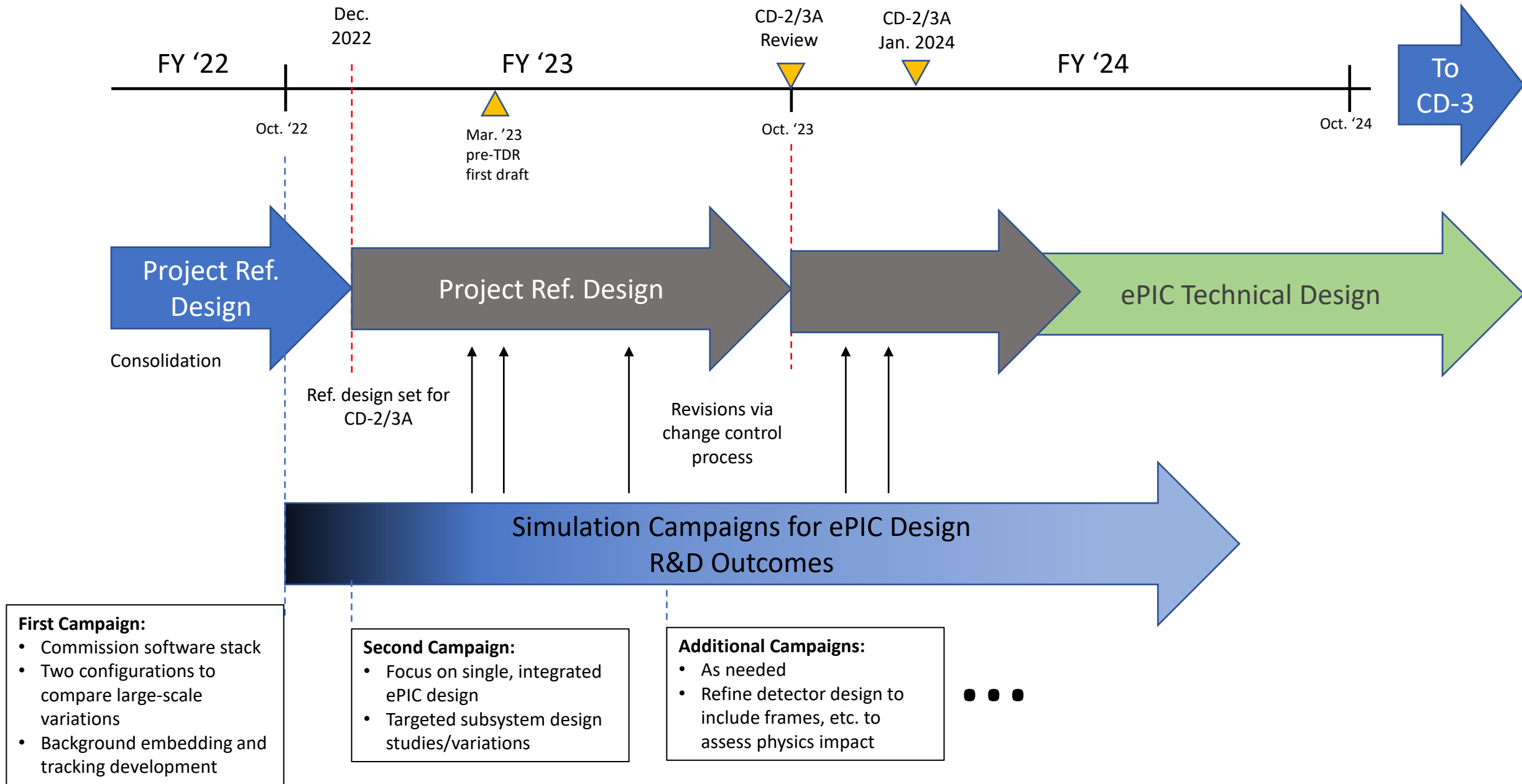
Introduction

- Collaboration Charter
- “The Plan” and the process
- Goals for today



Governance

- ePIC Collaboration Charter:
 - Meeting of Collaboration Council (this morning)
 - Draft of charter available:
 - https://indico.bnl.gov/event/17289/contributions/68494/attachments/43693/73616/EPIC_Charter-v0.3.pdf
 - Input solicited through CC members
 - Feedback requested by Oct. 20th
- Encourage your WG members to take with their CC representatives and provide feedback on the draft charter!
 - This is one way of encouraging engagement – people are more likely to be active in something they feel invested in



The Process

- The Global Detector Integration (GDI) Working Group is the central clearing house for technical selections and integration recommendations
 - GDI collects input (and requests input!) from WG's
 - Based on input GDI makes recommendations to ePIC leadership
 - SC for now, soon to be an elected leadership team
 - Under charter the leadership brings in the Collaboration Council
 - ePIC leadership consults with EIC Project, announces decisions
- We anticipate GDI to continue to take a leading role in addressing the key remaining technical and integration questions as ePIC evolves to a complete technical design.

Goals for Today

- The Project has requested information on cabling and services
 - https://wiki.bnl.gov/EPIC/index.php?title=Project_Information#Documents%3A
- DWG's were requested to come to this meeting with a draft of this information
 - Project requested to attend to answer questions and provide assistance
- We understand you can't answer all questions with definite answers!
- This is as much about defining what we ***don't know*** as it is about documenting what we ***do know***

	A	B	C	D	E	F	G	H	I	J
1										
2		Electron Endcap HCAL Services								
3										
4		Cables, Fibers, etc.								
5		Item	Description	Quantity	Diameter	Estimated Length	Notes	Tray Rated? (Y/N)	Cable Rating	Responsibility
6										
7		EXAMPLE (LV)	FEE low voltage	6	6 mm	15 m	Low voltage from FEE to Rack #2	Y	--	--
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Google Doc for Notes

- Will try to keep detailed notes on action items so we can follow-up after this discussion:
- https://docs.google.com/document/d/1E-9LVy0WgjmZ9annd_BTJag46cnSC1drjIGYijZyetA/edit?usp=sharing



ePIC Design Towards CD-2/3A

- The Project must move forward with an ePIC reference design in order to prepare for CD-2/3A and allow for a ~60% design completion
- Nevertheless, ***the ePIC design optimization process will continue and is not expected to be completed by the end of 2022***
 - The ePIC design optimization process will proceed through a series of simulation campaigns.
 - The reference design will be updated through the project change control process
 - The change control process is important – changes must be justified by performance, cost and risk!
 - Changes should be the *exception*, not the rule.
 - Example: changing from SiPM readout to LAPPDs (technology change) or a change in detector acceptance (design change)
- This effort will result in an *ePIC Technical Design* going into CD-3