

AI-for-Accelerators

	2021-3				2021-4				2021-5				2021-6				2021-7				2021-8									
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
AI-for-Accelerators	AI-for-Accelerators																													
Data Products, Part 1	New																													
Full current set data readout and storage	New																													
Create list of initial set of devices (...)	New																													
Develop solution for querying stored (...)	New																													
Estimate storage requirements over 1, (...)	New																													
Build offline training system	New																													
Build a framework for agent deployment	New																													
Investigate TF-Agents, home-brew (...)	New																													
Build a distributed training system (...)	New																													
Set up long-term storage mechanism for data (...)	New																													
Algorithm development, part I	New																													
Develop research plan for safe agent (...)	New																													
Build agent for training from historical (...)	New																													
Train agent, iterating on different (...)	New																													
Build a "kick-started" candidate agent (...)	New																													
Train agent, iterating on different (...)	New																													
Test algorithm implementation on hardware (...)	New																													
Test full workflow with boards on-hand	New																													
Understand input bandwidth requirements	New																													
Design ACNET input system for the board	New																													
Understand required number of ops / (...)	New																													
Data products, part 2	New																													
Refine list of required devices and (...)	New																													
Refine long-term storage estimates	New																													
Hall work part 1	New																													
Establish a safe and ORC-allowed work (...)	New																													
Algorithm development, part 2	New																													

Investigate deployment to PC for "slow" (...)	New
Implement agent based on training to (...)	New
Data products, part 3	New
Finalize list of required devices and (...)	New
Finalize long-term storage estimates (...)	New
Historical agent	New
Training mechanism validation	New
Demonstrate training based on data collection (...)	New
Demonstrate training based on data collection (...)	New
Demonstrate dynamic loading of weights (...)	New
Project extension exploration, part 1	New
Project finalization	New