AI-for-Accelerators - Issues

#	Tracker	Status	Priority	Subject	Assignee	Updated
22948	Milestone	New	Normal	Project finalization		07/15/2019 04:23 PM
22947	Milestone	New	Normal	Project extension exploration, part 1		07/15/2019 04:22 PM
22946	Task	New	Normal	Demonstrate dynamic loading of weights without re-flashing the FPGA?		07/15/2019 04:21 PM
22945	Task	New	Normal	Demonstrate training based on data collection with the RL agent and automated re-flashes of the FPGA		07/15/2019 04:20 PM
22944	Task	New	Normal	Demonstrate training based on data collection with the RL agent using manual re-flashes of the FPGA		07/15/2019 04:20 PM
22943	Task	New	Normal	Training mechanism validation		07/15/2019 04:20 PM
22942	Milestone	New	Normal	Historical agent		07/15/2019 04:19 PM
22937	Task	New	Normal	Finalize long-term storage estimates and required storage horizons		07/12/2019 03:20 PM
22936	Task	New	Normal	Finalize list of required devices and catalogers		07/12/2019 03:19 PM
22935	Task	New	Normal	Data products, part 3		07/12/2019 03:19 PM
22934	Task	New	Normal	Implement agent based on training to the current system with historical data on a PC (board?) in the hall that can communicate with the real GMPS		07/12/2019 03:18 PM
22933	Task	New	Normal	Investigate deployment to PC for "slow" inference and training		07/12/2019 03:17 PM
22932	Milestone	New	Normal	Algorithm development, part 2		07/12/2019 03:18 PM
22923	Task	New	Normal	Establish a safe and ORC-allowed work area with a PC for slow interface with the current control system.		07/11/2019 01:42 PM
22922	Milestone	New	Normal	Hall work part 1		07/11/2019 01:42 PM
22921	Task	New	Normal	Refine long-term storage estimates		07/11/2019 01:40 PM
22920	Task	New	Normal	Refine list of required devices and catalogers		07/11/2019 01:39 PM
22918	Feature	New	Normal	Data products, part 2		07/11/2019 01:40 PM
22844	Task	New	Normal	Understand required number of ops / computations / resources (what are the metrics and how do we decide?)		06/28/2019 04:40 PM
22842	Task	New	Normal	Design ACNET input system for the board		06/28/2019 04:39 PM
22841	Task	New	Normal	Understand input bandwidth requirements		06/28/2019 04:39 PM
22840	Task	New	Normal	Test full workflow with boards on-hand		06/28/2019 04:38 PM
22839	Milestone	New	Normal	Test algorithm implementation on hardware with hls4ml		06/28/2019 04:40 PM
22834	Task	New	Normal	Train agent, iterating on different reinforcement learning paradigms and algorithms as needed		06/27/2019 04:25 PM
22833	Feature	New	Normal	Build a "kick-started" candidate agent		06/27/2019 04:25 PM
22832	Task	New	Normal	Train agent, iterating on different reinforcement learning paradigms and algorithms as needed		06/27/2019 04:24 PM
22831	Task	New	Normal	Build agent for training from historical data - mimic current algorithm		06/27/2019 04:24 PM
22830	Task	New	Normal	Develop research plan for safe agent behavior		06/27/2019 04:22 PM
22829	Feature	New	Normal	Algorithm development, part I		06/27/2019 04:25 PM
22802	Feature	New	Normal	Build a distributed training system for faster turnaround		06/21/2019 11:44 AM
22801	Task	New	Normal	Investigate TF-Agents, home-brew systems		06/21/2019 11:43 AM

#	Tracker	Status	Priority	Subject	Assignee	Updated
22800	Feature	New	Normal	Build a framework for agent deploymenrt		06/21/2019 11:43 AM
22799	Feature	New	Normal	Build offline training system		06/21/2019 11:44 AM
22794	Feature	New	Normal	Develop solution for querying stored data		06/20/2019 04:45 PM
22793	Task	New	Normal	Estimate storage requirements over 1, 3, 6, 12 month timelines		06/20/2019 04:44 PM
22792	Task	New	Normal	Set up long-term storage mechanism for data products		06/20/2019 04:44 PM
22791	Task	New	Normal	Create list of initial set of devices and dataloggers (ACNET)		06/20/2019 04:42 PM
22790	Feature	New	Normal	Full current set data readout and storage		06/20/2019 04:41 PM
22787	Milestone	New	Normal	Data Products, Part 1		06/20/2019 04:44 PM