

Revamp of High Energy Physics Laboratory's Computer Systems: Milestone 5

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March 18th, 2019

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1 High Energy Physics (HEP) Senior Design

- Josef Bostik - jbstik2015@my.fit.edu
- Eric Pereira - epereira2015@my.fit.edu
- Ryan Wojtyla - rwojtyla2015@my.fit.edu

2 Faculty Sponsor

Eraldo Ribeiro - eribeiro@fit.edu

3 Client

Marcus Hohlmann - hohlmann@fit.edu
Head of the Florida Institute of Technology HEP group

4 Meeting with Faculty Sponsor

- 18 March 2019

5 Meeting with Client

- 11 February 2019
- 18 February 2019
- 25 February 2019
- 11 March 2019

6 Progress of current Milestone

Task	Progress	Notes
Continue to Care for Existing MTS	40%	
Compile Instructions for MTS Operation	50%	improve upon provided instructions
Prepare Development MTS Machine	50%	coax AMORE into building
Integrate Nodes into Cluster	100%	NAS-0 and SE still must be included
Assist Researchers	100%	helping out with general problems as they arise

7 Discussion - Current Milestone

7.1 Existing MTS Progress

7.2 Development MTS Computer Progress

We have been provided with the source repository for AMORE! We have cloned the repository onto the development MTS machine and tried to make it.

7.3 Computing Cluster

7.4 GEM Machines

8 Parts Worked On

8.1 Josef Bostik

-

8.2 Eric Pereira

-

8.3 Ryan Wojtyla

-

9 Task Matrix - Next Milestone

10 Discussion - Next Milestone

10.1 Existing MTS

10.2 Development MTS Computer

10.3 Computing Cluster

10.4 GEM Machines

11 Sponsor Feedback

11.1 Existing MTS

11.2 Development MTS Machine

11.3 Computing Cluster

11.4 GEM Computers

11.5 Sponsor Signature

Sponsor Signature

Date

12 Sponsor Evaluation

Josef Bostik	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Eric Pereira	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Ryan Wojtyla	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10