

2014 Annual Student Evaluation

Friday, April 4th
Ramona V Perez



Support Summary

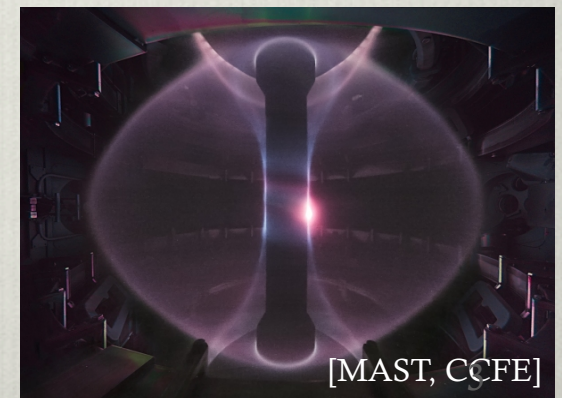
- ❖ YEAR 6:
 - ❖ RA – Summer 2014
 - ❖ Apply for FIU DYF during Summer 2014

- ❖ YEAR 7:
 - ❖ TA – Fall 2014
 - ❖ TA – Spring 2015



Projects Summary

- ❖ NSTX Diagnostic: 2.34 yrs
 - ❖ 2 TA Semesters
 - ❖ 5 RA Semesters
- ❖ MAST Diagnostic: 3.33 yrs
 - ❖ 3 TA Semesters (without FIU DYF)
 - ❖ 7 RA Semesters
- ❖ NSTX-U Diagnostic: ? yrs



Milestones: Year 5

- ❖ Spring 2013 – RA
 - ❖ Last annual student evaluation
 - ❖ MAST diagnostic design, fabrication, testing
- ❖ Summer 2013 – RA
 - ❖ EDR (electrical design review)
 - ❖ Diagnostic installation and data collection



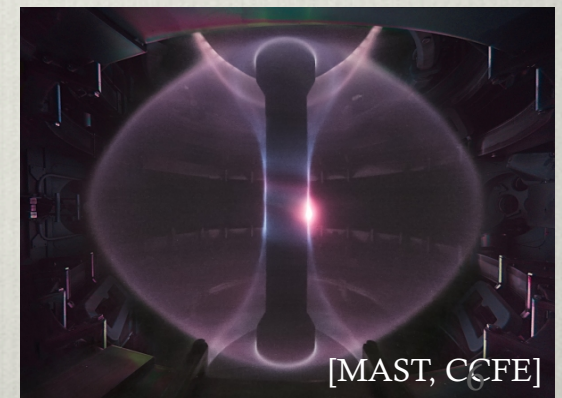
Data Summary: 2014

- ❖ Raw data (500GB) needs to be analyzed to:
 - ❖ Fit functions to voltage pulses
 - ❖ Create fusion reaction rates as function of time
- ❖ Create functions of fusion reaction rates as function of radial distance in plasma
- ❖ Compare experimental data to theoretical modeling
- ❖ Combine analysis with NC



Milestones: Year 6

- ❖ Fall 2013 – RA
 - ❖ Minimum PhD dissertation credits fulfilled
 - ❖ MAST diagnostic data collection, initial data analysis
- ❖ Spring 2014 – TA
 - ❖ Continue data analysis
- ❖ Summer 2014 – RA
 - ❖ Continue data analysis



Milestones: Year 7

- ❖ Fall 2014 – TA (maybe RA)
 - ❖ Advisor feedback on dissertation draft
 - ❖ Data analysis
- ❖ Spring 2015 – TA (maybe RA)
 - ❖ Send dissertation draft to committee
 - ❖ Oral dissertation defense
 - ❖ Final written dissertation approval

