Abstract Submitted for the SES12 Meeting of The American Physical Society

Creating a Public Data Access Website for Double Chooz¹ MAYA

CARTER, Stetson University — My talk describes the creation of a public data access webpage that will allow people unaffiliated with the Double Chooz experiment to understand exactly how the value of θ_{13} (the final mixing angle for neutrino oscillation) was measured by the experiment. Double Chooz is a two detector neutrino experiment based in Chooz, France that has run since 2011. The website has all the final values found by Double Chooz and the fitting macros that found those values. I will explain the method used for choosing which macros and how much information went up on the website.

¹Thank you to John Parsons and Mike Shaevitz at Columbia University and to the NSF.

Maya Carter Stetson University

Date submitted: 17 Sep 2012 Electronic form version 1.4