

Abstract Submitted
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Prospects of Double Chooz Full Volume Calibration with optical finder: progress report¹ RADOVAN MILINCIC, Drexel University/Gloucester County College, DOUBLE CHOOZ COLLABORATION — Double Chooz has started data taking in December 2010. The detector commissioning is well underway. Double Chooz experiment will make a high sensitivity measurement and probe the small angle phase space for the angle θ_{13} . In order to achieve this, systematic errors have to be at the level of 0.5%. Important role in achieving the Double Chooz sensitivity goal is full volume calibration. Effectiveness of calibration depends on the positioning control of the instrument. Here we report on the progress of the development optical finder device that will be a part of the full volume calibration system for the Double Chooz and will provide independent check on the actual positioning of the full volume calibration system.

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