Contribution ID: **963** Contribution code: **WED-PO2-105-07** Type: **Poster**

Status Report of Sirius Delta Undulator

Wednesday 17 November 2021 10:30 (20 minutes)

Sirius is a 3 GeV 4th generation synchrotron light source located in Campinas, Brazil. Sirius first delta undulator is currently being built. It is a 1.2m long permanent magnet structure with 21 periods with a lengh of 52.5mm and 13.6mm gap. This paper provides an overview of the current status of the delta undulator regarding development, construction, measurements and correction of the insertion devide, briefly describing some of the most relevant challanges faced in the project and installation of the equipment in the Sirius storage ring.

Primary author: SOARES, Vitor (Brazilian Center for Research in Materials and Energy)

Co-authors: CITADINI, James (Brazilian Center for Research in Materials and Energy); Mrs VILELA, Luana (razilian Center for Research in Materials and Energy)

Presenter: SOARES, Vitor (Brazilian Center for Research in Materials and Energy)

Session Classification: WED-PO2-105 Accelerator Magnets III: undulators and related magnets