Contribution ID : **2** Type : **Presentation**

SCIENCE IN MÉXICO WITH AND WITHOUT A SYNCHROTRON LIGHTSOURCE

Monday, 21 June 2021 11:30 (1:00)

Abstract

An overview of the initiative to establish an Advanced Light Source in Mexico in the last two decades is presented. The technical, political and economic challenges that this project needs to overcome are summarized. So far, the last four federal administrations have had a variety of responses and answers to our proposal. Yet a handful high level politicians have endorsed the project, the most recent of them is the present governor of Mexico´s Hidalgo State. Based on a critical assessment of the successes and shortcomings of the actions so far taken by the scientific and technical community, I suggest a road map required to accomplish this indispensable infrastructure. I will use an improbable analogy of the Mexican Synchrotron Scientific Community endeavors with the 2020 Nobel Physics´ Prize.

About

El Dr. Fernando Matías Moreno Yntriago obtuvo su Licenciatura, Maestría y Doctorado en Fisica por la Facultad de Ciencias de la UNAM. Es Profesor-Investigador de Tiempo Completo en el Instituto de Física de la UNAM desde 1985. Ha realizado diversas estancias sabáticas en Centros Internacional, como es el Centro Internacional de Fisica Teórica en Trieste, Italia y en la Universidad Católica de Louvain en Bélgica. Ha sido distinguido con la medalla de la División de Particulas y Campos que otorga la Sociedad Mexicana de Física. Realiza investigaciones en física de altas energías en aplicaciones de la radiación sincrotrónica.

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Session Classification : Plenary Lecture