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Marshak Lectureship: The Turkish Accelerator Center, TAC

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The Turkish Accelerator Center (TAC) project is comprised of five different electron and proton accelerator complexes, to be built over 15 years, with a phased approach. The Turkish Government funds the project. Currently there are 23 Universities in Turkey associated with the TAC project. The current funded project, which is to run until 2013 aims

1. To establish a superconducting linac based infra-red free electron laser and Bremsstrahlung Facility (TARLA) at the Golbasi Campus of Ankara University,
 - (a) To establish the Institute of Accelerator Technologies in Ankara University, and
2. To complete the Technical Design Report of TAC. The proposed facilities are a 3rd generation Synchrotron Radiation facility, SASE-FEL facility, a GeV scale Proton Accelerator facility and an electron-positron collider as a super charm factory.

In this talk, an overview on the general status and road map of TAC project will be given. National and regional importance of TAC will be expressed and the structure of national and international collaborations will be explained.

¹On behalf of TAC Collaboration