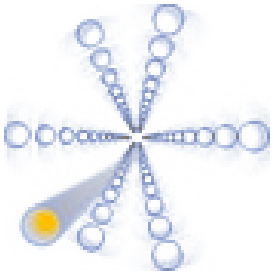

Contribution ID: **42** Type: **Oral**

# Conceptual Design Project:Accelerator Complex for Nuclear Physics Studies and Boron Neutron Capture TherapyApplication at the Yerevan Physics Institute (YerPhI)

*Tuesday, 7 October 2014 09:30 (15 minutes)*

The final goal of the proposed Project is the creation of a Complex of Accelerator Facilities at the Yerevan Physics Institute (CAF YerPhI) for nuclear physics basic researches, as well as for applied programs including Boron Neutron Capture Therapy (BNCT) and radiation therapy with proton and carbon beams. The CAF will include the following facilities: Cyclotron C70, target/ion source, mass-separator, LINAC1 (0.15-1.5 MeV/u), LINAC2 (15-20 MeV/u). For the energy discrimination of the neutrons will be used Bragg scattering on crystal.

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