



FZU

Institute of Physics
of the Czech
Academy of Sciences

Invitation

to the seminar of Division of Elementary Particle Physics of
the Institute of Physics of the Czech Academy of Sciences



Dr. Pavel Staroba

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Physics of weak bosons

Abstract: Mediators of weak interaction - vector bosons W and Z - are related to the history of the Standard Model in an inseparable way. The electroweak part of the Standard Model, including the Higgs sector, was created as a direct consequence of an effort to describe these particles and their interactions in the framework of quantum field theory. Investigation of these particles represents an essential part of the physics program of past, current and future high energy experiments. The history of investigation of weak bosons, selected results of ATLAS collaboration and future perspectives will be presented.

Seminar will take place on **Thursday, October 6, 2022 at 2PM** in the conference hall of the main building of the Institute of Physics, Na Slovance 2, Prague 8 on the ground floor.

The seminar will be also available via ZOOM video conference system. For more information, please see <https://indico.fzu.cz/event/115/>