FZU Institute of Physics of the Czech Academy of Sciences

I n v i t a t i o n

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

Assoc. Prof. Pietro Govoni

INFN, Milano Bicocca

The scattering of vector bosons in proton collisions and some future developments

Abstract: The electroweak symmetry breaking mechanism lies at the heart of the standard model of the fundamental interactions, as it describes the mass of elementary particles and unitarises the scattering cross-section for vector bosons. Since the first confirmation with the discovery of the Higgs boson at the CERN Large Hadron Collider, this mechanism is undergoing precision tests. In this seminar, a study of vector boson scattering with the CMS detector will be presented, together with future prospects in view of the forthcoming LHC data.

Seminar will take place on **Thursday, September 29, 2022 at 2PM** in the main conference hall in the building of the Institute of Physics, Na Slovance 2, Prague 8 on the ground floor.

A refreshment will be provided half an hour before the seminar.

The seminar will be also available via ZOOM video conference system. For more information, please see https://indico.fzu.cz/event/114

Roman Lysák Jiří Hejbal