

VBSCan COST Action

Vector Boson Scattering current and future studies



Pietro Govoni

the VBSCan COST Action

- **COST Actions** are international collaborations dedicated to specific subjects
- **funds** from the European Union, within the Horizon2020 program, for EU scientists **for networking activities**: short-term travels, meetings, schools
- the **VBSCan** Action started activities on the 1st of May 2017, will last four years and targets Vector Boson Scattering
- participating members from 18 countries
- from **Theory, Experiments (ATLAS and CMS) and Statistics** worlds
- **investigate the Vector Boson Scattering** (VBS) process and its implications for the Standard Model, by coordinating existing theoretical and experimental efforts in the area and by best exploiting hadron colliders data, thereby laying the groundwork for long-term studies of the subject and creating a solidly interconnected community of VBS experts

our (temporary) webpage

<http://govoni.web.cern.ch/govoni/VBSCan/#>

our working groups

management committee

P. Govoni, M. Mozer

WG1: theoretical
understanding

*M. Pellen,
M. Zaro*

WG2: analysis techniques

*J. Manjarres,
M. Mozer*

WG3: experimental
measurements

*L. S. Bruni,
P. Lenzi*

WG4: knowledge exchange
and cross-activities

*K. Lohwasser,
I. Puljak*

WG5: Inclusiveness Policies

*M. Slawinska,
C. Petridou*

- we plan to **contribute to the workshop** on the subject of VBS
- in the various working groups of ours
- profit of this occasion to **involve new players** in our Network
- **if interested**, please contact me:
pietro.govoni@cern.ch
or directly the WG leaders

ongoing activities: school

FIRST EWSB SPRING SCHOOL



Topics

Theory of Electroweak
Symmetry Breaking

Measurements and
Experimental Techniques

Probability and Statistics
for Data Analysis

Main Teachers

Andre David
Eilam Gross
Giulia Zanderighi

Scholarships Available

15-21 April 2018, Maratea, Italy
for PhD and Master students



<https://indico.cern.ch/e/EWSBSS18>
subscriptions open until 01/02/2018



in summary

- VBSCan is about **knowledge exchange and training** students
 - first annual workshop: <https://indico.cern.ch/event/629638/>
 - first EWSB Spring School: <https://indico.cern.ch/e/EWSBSS18>
- we are a newborn community with already a **large span of expertise** on VBS matters
- **we have funds** for anyone interested in VBS, also in the context of HL-LHC
- **anyone can join**, just send us an email and we will navigate you through the bureaucracy