



Contribution ID: 13

Type: Oral presentation using Zoom

Global Interpretation of LHC indications within the GM model

Thursday, 28 October 2021 20:00 (20 minutes)

LHC has produced several indications for new scalars. This talk intends to interpret them within the Georgi Machacek scheme and predict their cross section in e^+e^- . It follows a presentation delivered at LCWS21 and attempts to complete this presentation showing how the GM model needs to be amplified to take into account the various observations.

References:

[1] Indications for extra scalars at LHC? – BSM physics at future e^+e^- colliders

François Richard (IJCLab, Orsay). Jan 14, 2020.

e-Print: arXiv:2001.04770

[2] Evidences for a pseudo scalar resonance at 400 GeV. Possible interpretations

François Richard (IJCLab, Orsay) (Mar 16, 2020)

e-Print: 2003.07112

[3] Global interpretation of LHC indications within the Georgi-Machacek Higgs model Talk presented at the International Workshop on Future Linear Colliders (LCWS2021), 15-18 March 2021. C21-03-15.1

François Richard(IJCLab, Orsay)(Mar 22, 2021)

Contribution to: LCWS 2021

e-Print: 2103.12639

1st preferred time slot for your oral presentation

19:00-21:00 JST (12:00-14:00 CEST, 6:00-8:00 EDT, 3:00-5:00 PDT)

2nd preferred time slot for your oral presentation

15:30-17:30 JST (8:30-10:30 CEST, 2:30-4:30 EDT, 23:30-1:30 PDT)

Primary author: RICHARD, Francois (LAL Orsay)

Presenter: RICHARD, Francois (LAL Orsay)

Session Classification: H-3: BSM particle production

Track Classification: Parallel sessions: Topical Groups: Session H: BSM particle production