

XXX-th International Workshop on High Energy Physics “Particle and Astroparticle Physics, Gravitation and Cosmology: Predictions, Observations and New Projects”



Contribution ID: 7

Type: **Presentation**

Panel discussion on Higgs boson and related topics

Monday 23 June 2014 12:05 (45 minutes)

Moderator: Dmitri Kazakov

Panelists:

Dezso Horvath, Lydia Roos, Milos Dordevic, Yury Kolomensky, Maxim Titov

Questions:

1. Does finding the 125 GeV Higgs boson exclude all other possible mass creation mechanisms?
2. Is this the SM Higgs boson? How much space is left for extensions (like the SUSY Higgs sector)?
3. How special is the 125 GeV mass in view of the top mass? (What happens to the future of particle physics if the EW vacuum is stable?)
4. How does the 125 GeV Higgs boson orient the plans for the next colliders, ILC and/or FCC?
5. Is there any role of the Higgs boson in the evolution of the universe?

Session Classification: SM physics and beyond