

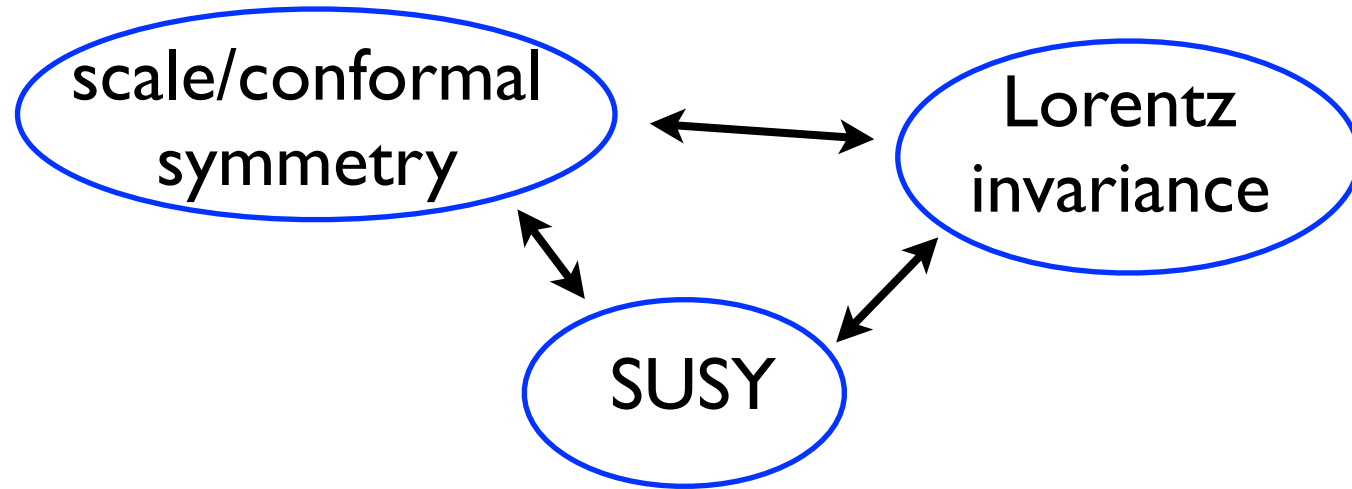
Sergey Sibiryakov

- Staff at CERN & EPFL since 12.2013, on leave from INR RAS (Moscow)



- Works in progress:
 - accurate description of Large-Scale Structure and its sensitivity to new physics
 - properties of Dark Matter from astro and cosmo (light boson ?)
 - Quantum Gravity as a renormalizable QFT (sacrifice Lorentz invariance or unitarity at $E \rightarrow \infty$): tests in astroparticle and cosmo
 - semiclassical methods from quantum mechanics to black holes

- Projects in the background:
 - connection between space-time symmetries



- dynamics of Higgs field in the early universe
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- Organization of
 - CosmoCoffee (w. other Cosmo group)
 - Particle and Astroparticle (Friday) seminar (w A. Patella and R. Richardson)
 - Academic Training (w.W. Lerche)



Don't miss !!!

14 - 16 November

(Almost) All You Need to Know
About Gravitational Wave Physics

by Vitor Cardoso

<https://indico.cern.ch/event/579593/>