



Contribution ID: 153

Type: **Talk**

Gradient flow running coupling in SU(2) with 6 flavors

Thursday, July 28, 2016 4:50 PM (20 minutes)

We present preliminary results of the gradient flow running coupling in SU(2) gauge theory with 6 massless fundamental representation fermion flavours. We use the Schrödinger functional boundary conditions, which allows us to also measure the mass anomalous dimension. Our results, using the HEX-smearred Wilson-clover action, are consistent with perturbative running on the weak coupling region and diverge towards a possible infrared fixed point at strong coupling.

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Session Classification: Physics Beyond the Standard Model

Track Classification: Physics Beyond the Standard Model