



Contribution ID: 237

Type: **Talk**

## **Towards radiative transitions in charmonium**

*Monday, July 25, 2016 6:25 PM (20 minutes)*

We present preliminary calculations towards radiative transitions in charmonium using  $N_f = 2+1$  dynamical ensembles generated by the Hadron Spectrum Collaboration. A crucial ingredient in this work is the use of variationally optimised interpolating operators which allow for a reliable determination of the three-point correlation functions needed. Using these operators, we perform first calculations of relevant three-point correlation functions before discussing future directions”

**Author:** Mr O’HARA, Cian (Trinity College Dublin)

**Presenter:** Mr O’HARA, Cian (Trinity College Dublin)

**Session Classification:** Hadron Spectroscopy and Interactions

**Track Classification:** Hadron Spectroscopy and Interactions