



Contribution ID: 340

Type: **Oral presentation**

## Topic on pion spectroscopy

*Thursday, 29 July 2021 05:45 (15 minutes)*

We will present the pion mass and decay constant using the overlap fermion valence on DW fermion sea at several lattice lattice spacings. The mixed action effect in the lattice calculation is also studied, and the result suggests that the mixed action effect with overlap valence on DW sea would be proportional to the fourth power of the lattice spacing. The preliminary determination of the light and strange quark mass  $m_{u,d,s}$ ,  $F$  and chiral condensate  $\Sigma$  in the  $N_f = 2$  chiral limit will also be presented.

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**Session Classification:** Hadron Spectroscopy and Interactions

**Track Classification:** Hadron Spectroscopy and Interactions