

## Direct photon $v_2$ puzzle in heavy ion collisions

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We reproduced the observed large  $v_2$ ,  $v_3$  of direct photons and predicted a large  $v_2$ ,  $v_3$  of thermal dileptons based on EPOS 3, a hadron data constrained (3+1)D viscous hydro model and normal emission rates of photons and dileptons from QGP phase and hadronic gas phase.

Direct photon  $v_2$  is in fact a puzzle for our field for quite long time. Why can EPOS3 reproduce the challenging experimental data ? We have to understand it.

Model comparison will be helpful.

In this conference, I will share everybody what we have found.

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