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Proton spin decomposition with overlap fermion

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We calculate glue spin with the overlap fermion on 2+1 flavor domain wall fermion configurations as a function of the nucleon momentum. The calculation is carried out on $24^3 \times 64$ and $32^3 \times 64$ lattice at two lattice spacings and the light sea quarks correspond to pion mass at 330 MeV and 290 MeV on these two lattices. Other issues related to the proton spin will be discussed.

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