Quantum Hall States at filling $\nu = \frac{2}{k+2}$ WAHEB BISHARA, GRE-
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crosoft Research Station Q — We study the $\nu = \frac{2}{k+2}$ quantum Hall states which are
particle-hole conjugates of the $\nu = \frac{k}{k+2}$ Read-Rezayi states. We find that equilibra-
tion between the different modes at the edge of such a state leads to an emergent
$SU(2)_k$ algebra in the counter-propagating neutral sector. Heat flow along the edges
of these states will be in the opposite direction of charge flow. In the $k = 3$ case,
which may be relevant to $\nu = 2 + \frac{2}{5}$, the thermal Hall conductance and the ex-
ponents associated with quasiparticle and electron tunneling distinguish this state
from competing states such as the hierarchy/Jain state.

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