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John Luecke* (luecke@math.utexas.edu), The University of Texas at Austin, Mathematics Department, 1 University Station C1200, Austin, TX 78712-0257, and **Kenneth Baker** and **Cameron Gordon**. *Dehn surgery on a knot in the 3-sphere and the bridge number of its dual knot*. Preliminary report.

Let K be a knot in the 3-sphere. Let $K(p/q)$ denote the Dehn surgery on K along a curve representing p meridians and q longitudes. Let K' represent the dual knot in $K(p/q)$ – that is, the core of the attached solid torus in $K(p/q)$. Assume $K(p/q)$ contains no closed surface with Euler characteristic -1 for which the boundary of its regular neighborhood is incompressible. Assume furthermore that $K(p/q)$ has a one or two-sided Heegaard splitting of genus 2. If $|q| > 2$, we show that there is such a Heegaard splitting of $K(p/q)$ with respect to which K' is at most 1-bridge. (Received April 09, 2010)