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Pavle Pandzic* (pandzic@gmail.com), Department of Mathematics, University of Zagreb, Bijenicka 30, 10000 Zagreb, Croatia, and **Victor Protsak**, Department of Mathematics, Malott Hall, Cornell University, Ithaca, NY 14853-4201. *Dirac cohomology of some small unitary representations*. Preliminary report.

We describe explicitly the kernel of the Dirac operator for certain unitary highest weight modules for symplectic and unitary groups. The result is described in terms of some interesting Weyl group combinatorics. (Received August 26, 2008)