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**Irina Nenciu\***, Department of Mathematics, Statistics, and Computer Science, 851 S Morgan St, Chicago, IL 60607. *On an a-priori bound in Riemann-Hilbert problems*. Preliminary report.

We will discuss certain a-priori bounds for the inverse of  $I - C_w$  which allow us to proceed with the needed deformations for the KdV Riemann-Hilbert problem in the collisionless shock region. This work is part of a joint project with P. Deift. (Received August 21, 2018)