1150-83-124 **Jesus R Oliver*** (jesus.oliver@csueastbay.edu), 25800 Carlos Bee Blvd., Hayward, CA 94542, and **Philippe LeFloch** (contact@philippelefloch.org), 4 Place Jussieu, 75252 Paris, France. *Boundedness of the Conformal Hyperboloidal Energy for a wave-Klein-Gordon Model.* Preliminary report.

We revisit the global-in-time existence theory for the LeFloch-Ma-Wang model which couples together a nonlinear wave equation and a nonlinear Klein-Gordon equation. By adapting the hyperboloidal foliation method, we establish that a weighted energy of the solutions remains (essentially) bounded for all times. The new ingredient in the proof is a hierarchy of fractional Morawetz energy estimates for the wave component involving two conformal transformations. The optimal case for these energy estimates corresponds to using the scaling vector field as a multiplier for the wave component. (Received July 03, 2019)