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The helicity asymmetry measurements for pi0 photoproduction with FROST at Jlab HIDEKO IWAMOTO, The George Washington University, CLAS COLLABORATION — One of the long standing unsolved problem in the nuclear physics is the nucleon resonances N* and /Delta*. The lifetime of these intermediate states are very short since they decay strongly. Their parameters, mass, width, and coupling constants to various decay modes are poorly known. To solve these problems, double polarization experiments are considered to be a very effective tool since spin is a good quantum number. I will present the result of one pion photo-production from the first double polarization experiment at Jlab, comparing the prediction of theoretical models.

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