

# Extraction of Polarization Parameters from the Proton anti-Proton to Omega anti-Omega Reaction

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The upcoming PANDA experiment will make it possible to study the Proton anti-Proton to Omega anti-Omega reaction for the first time. Previous studies of spin variables in anti-hyperon hyperon production have given very interesting results, but have been restricted to single strangeness hyperons. The triple strangeness Omega hyperon is believed to be a spin  $3/2$  particle, which therefore carries more polarization parameters than a spin  $1/2$  particle. The aim of this presentation is to show how one still can retrieve the Omega polarization from the angular distribution of its decay products.

**Primary author:** PEROTTI, Elisabetta (Uppsala University)

**Presenter:** PEROTTI, Elisabetta (Uppsala University)

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