

## Conserved Currents for Arbitrary Helicity

*Monday, 22 February 2016 16:30 (15 minutes)*

We present the unitary representation of the Poincaré group on massless states of arbitrary helicity and construct a conserved current. Such a current seemed to be excluded by arguments of Witten and Weinberg. Taking into account the nontriviality of the Hopf bundle we clarify and correct their statements and other folklore.

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