## XIII Mexican School of Particles and Fields



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## Gauge Transformations as space-time symmetries

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## Abstract content

## Summary

We present preliminary results about how the gauge transformations can be regarded as induced by space-time symmetries acting on massless vector fields. We present the explicit form of the gauge induced by an arbitrary Unitary Lorentz Transformation on the vector states. We studied the generalization to arbitrary integer-spin fields.

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