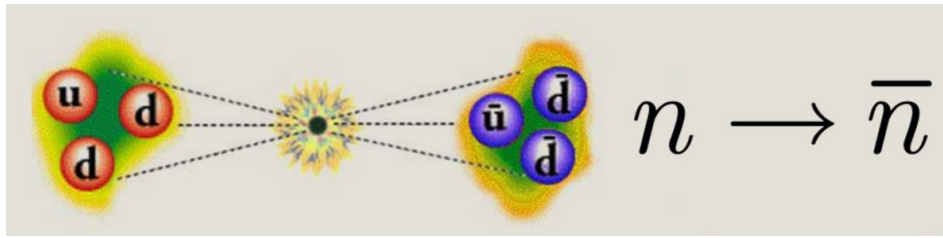


# Theoretical Innovations for Future Experiments Regarding Baryon Number Violation, Part 1



Contribution ID: 30

Type: **Oral Presentation**

## Covering baryon number violation with inclusive searches

*Thursday, 6 August 2020 10:30 (30 minutes)*

Baryon number violation is an extremely sensitive probe of physics beyond the Standard Model. However, the continued absence of any signals raises the question if we are actually looking in the right places or if we should broaden our search strategies. In this talk I will propose *inclusive* nucleon decay searches as a convenient method to cover a lot of parameter space, including sensitivity to new light particles and dark matter induced baryon number violation.

### Contribution Title

Covering baryon number violation with inclusive searches

**Primary author:** HEECK, Julian (UC Irvine)

**Presenter:** HEECK, Julian (UC Irvine)