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ft value of the mirror nucleus ^{19}Ne SMARAJIT TRIAMBAK, TRIUMF, THE 8PI COLLABORATION — The mirror nucleus ^{19}Ne provides excellent opportunity to probe for physics beyond the Standard Model. The decay of polarized ^{19}Ne has been studied previously to set limits on right-handed and second-class currents, beyond the minimal Standard Model. In addition, the best experimental limit on T-violating interactions from weak decays also comes from the decay of ^{19}Ne. In this talk we will present preliminary results from a recent experiment performed at TRIUMF to measure the ft value of the decay of ^{19}Ne with improved precision. This result will allow for more stringent constraints on exotic interactions that are not predicted by the Standard Model.

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