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Electroweak couplings of light quark at future linear colliders [zoom]

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The differential and total cross section or related observables of difermion production in high e+e- collisions bear a considerable potential for the discovery of the onset of new physics as the centre-of-mass energy increases. Most of these measurements are only possible due to beam polarisation. Earlier measurements have reported on the determination of the differential cross sections of b, c (and top) quarks. This contribution will extend these studies to u, d and s quarks at \sqrt(s)=250 GeV and thus constitutes an unprecedented study.

Primary author: OKUGAWA, Yuichi (Université Paris-Saclay)

Co-authors: RICHARD, Francois (IJCLab/Orsay); POESCHL, Roman Poeschl (LAL Orsay)

Presenter: OKUGAWA, Yuichi (Université Paris-Saclay)

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