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Novel b-hemisphere jet charge tagger at FCC-ee

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The talk presents the feasibility of a novel b-hemisphere tagger and its application at the Tera-Z programme at FCC-ee for the measurement of the partial width R_b and the b-quark forward-backward asymmetry $A_{\rm FB}^b$. By exclusively reconstructing b-hadrons in the hemispheres, the major source of systematic uncertainties originating from light- and c-physics is eliminated. A discussion of the only remaining uncertainties is given and their impact on the measurement is estimated.

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