Physikalisches Institut, Albert-Ludwigs-Universität Freiburg

Übungen zur Vorlesung

Supersymmetrie

WS 07/08

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Blatt 8

Hausaufgabe 6 Feynman Rules for Majorana Fermions

Over Christmas and New Year, take the publication of A. Denner, H. Eck, O. Hahn and J. Küblbeck:

> "Feynman rules of fermion number violating vertices", Nucl. Phys. B387 (1992), 467-484,

available via University computers from

> `http://dx.doi.org/10.1016/0550-3213(92)90169-C`,

or as a scanned version from

> `http://www-lib.kek.jp/cgi-bin/img_index?9208086`.

Read the first two chapters and verify the results in Eqns. (3.1)-(3.3).

Discuss the Feynman rules for fermion-number violating vertices in the tutorial.