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Spin control by RF fields

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The first experiments to apply RF fields for resonant beam depolarization and spin flip at the VEPP-2M storage ring were
carried out more than 30 years ago.
Later this technique was used at VEPP-2M in the experiment for comparison of electron and positron anomalous magnetic moments.
Recently, interest in RF spin control has appeared at proton
machines. This paper describes a general approach for consideration
of RF influence on spin dynamics at electron (positron) and hadron
accelerators. Some practical applications of RF fields are
discussed.

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