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Muon capture on light nuclei

Tuesday, 12 October 2010 14:55 (30 minutes)

The current theoretical and experimental status for muon captures on light nuclei will be reviewed. In particular, a new theoretical study of muon captures on deuteron and 3He will be presented, in which realistic potentials and consistent weak currents are
used, and it will be shown that it is possible to reduce the model dependence relative to the adopted interactions and currents at the 1% level. The implications of this for future possible experimental programs will also be discussed.

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Session Classification: Session Tu - 3

Track Classification: Precision experiments with pions and muons