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Report from NA49 and NA61/SHINE at the CERN SPS

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Recent results from the study of nucleus-nucleus as well as proton-proton collisions at the CERN SPS energies from experiment NA49 and its successor NA61/SHINE will be summarized. New results from a novel fluctuation analysis and from the search for the critical point of strongly interacting matter will be discussed. First measurements from NA61 of the energy dependence of identified hadron production in inelastic p+p interactions will be presented and compared with the corresponding results in central Pb+Pb collisions from NA49. In particular, inclusive spectra and mean multiplicities as well as particle fluctuations and correlations will be shown. Finally, the status of the NA49 evidence for the onset of deconfinement will be reviewed in view of new results from NA61, STAR and ALICE. An outlook on the NA61/SHINE program will be given.

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