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## **FARICH detector for the Super Charm-Tau factory in Novosibirsk**

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FARICH (Focusing Aerogel RICH) technique based on non-homogenous 'focusing' aerogel radiator has been being developed in BINP since 2004. It is proposed for implementation in the PID system of the detector of the Super Charm-Tau factory in Novosibirsk. It should cover near  $4\pi$  solid angle and separate muons and pions with momentum from 500 to 1500 MeV/c. Idea of the FARICH method is described. Conceptual design of the system is presented. Results of the prototype beam tests are presented. Status of the focusing aerogel technique research is described. Promising photodetection systems are discussed.

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