



Contribution ID: 251

Type: Poster

Prospects of precision hadronic cross sections measurements at VEPP-2000

Two detectors - CMD-3 and SND are now performing first technical run on VEPP-2000 electron-positron collider at Budker Institute of Nuclear Physics. One of the main goals of physical program for both detectors is the precision measurements of $e+e\rightarrow\text{hadrons}$ cross sections up to the highest achievable at VEPP-2000 energy, equal to 2 GeV in c.m. While the previous set of experiments performed with VEPP-2M collider allowed the comparison of measured at BNL muon ($g-2$) value with SM prediction, revealing 3 sigma difference, the precision of experiments on VEPP-2000 should match an accuracy of new muon ($g-2$) measurement now planning at Fermilab. Some detail of detectors performance and first physical results will be presented in the talk.

Primary author: KHAZIN, Boris (Budker Institute of Nuclear Physics)

Presenter: KHAZIN, Boris (Budker Institute of Nuclear Physics)

Track Classification: 02 - The Standard Model and Electroweak Symmetry Breaking