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## **Z - chamber of the CMD-3 detector in the reconstruction of the track longitudinal coordinate**

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### **Content**

Since 2010 the CMD-3 detector has been collecting data at the e+e- collider VEPP-2000 in the Budker Institute of Nuclear Physics. One of the main goals of experiments with CMD-3 detector is the precise measurement of the cross sections of the e+e- annihilation into hadrons. One of the main sources of systematic uncertainty is determination of polar angles of tracks. Z-chamber is used for the reconstruction of the tracks longitudinal coordinate with low systematic uncertainty. The measurement of longitudinal coordinates is performed by the collecting of the charge which is induced on the strip cathodes. The algorithms of the reconstruction of cathodes clusters and calibration procedure are presented. The estimation of systematic errors is discussed too.

### **Summary**

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**Session Classification :** Posters

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