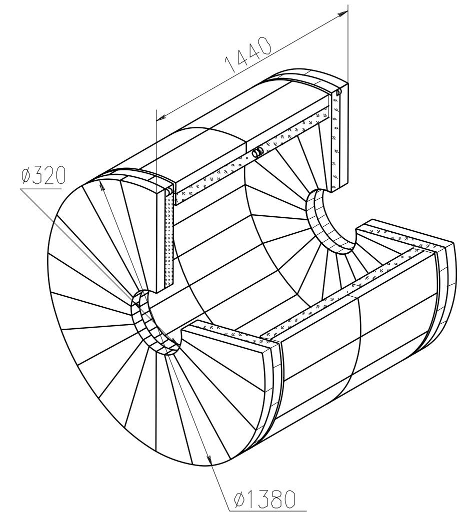

Figure 2: The KEDR ASHIPH system.

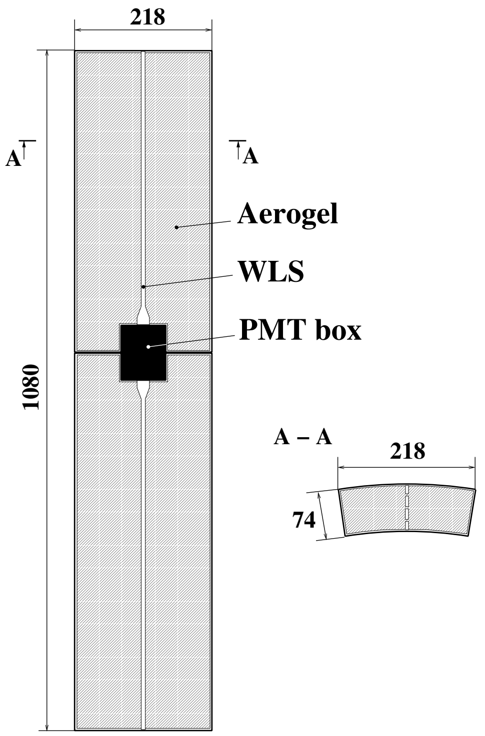

Figure 3: The barrel ASHIPH counter.

the interaction point with a momentum above 0.6 GeV/c does not cross shifters in both layers simultaneously. It is possible to use the information from both layers for the essential part of the particles.

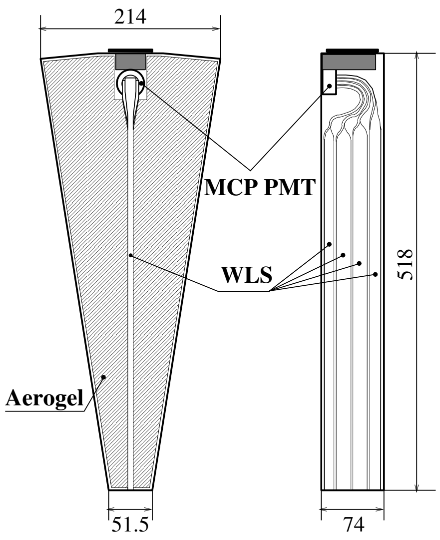

Figure 4: The endcap ASHIPH counter.

2.2 *Reflector*

We use the multi-layer PTFE film from Tetratex company as a reflector. The results of measurement [3] of the reflection coefficient for the different thickness of reflector are shown in Figure 5. The PTFE teflon has four times larger radiation length than the KODAK paint. Due to using teflon the amount of material in front of the calorimeter is significantly decreased.

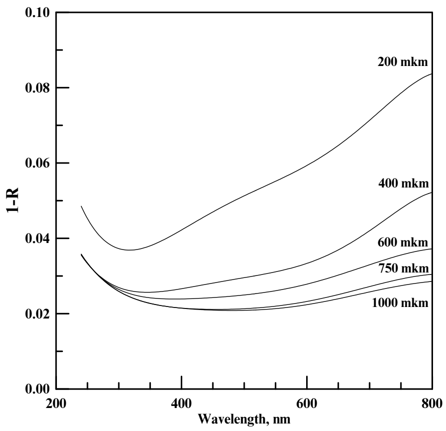

Figure 5: Reflection R of PTFE teflon.

2.3 *BBQ wavelength shifter*

The absorption spectrum of BBQ is presented in Figure 6 together with the spectrum of collected Cherenkov photons and the absorption spectrum of POPOP (KN-18). The production of plexiglass plates doped with BBQ was mastered in Institute of Polymers at Dzerzhinsk. The cutting, polishing, and twisting were organized in Budker Institute of Nuclear Physics [6].