

31st International Symposium on Lepton Photon Interactions at High Energies



Contribution ID: **118** Contribution code: **P63**

Type: **Poster**

R value measurements at BESIII

Monday 17 July 2023 18:10 (1 minute)

Using the BESIII detector, the R value has been measured on 14 energy points with the corresponding c.m. energies going from 2.2324 to 3.6710 GeV. The statistical uncertainty of the measured R is less than 0.6%. Two different simulation models, the LUARLW and a new Hybrid generator, have been used and give consistent detection efficiencies and initial-state-radiation corrections.

The accuracy in the R value measurements is better than 2.6% below 3.1 GeV and 3.0% above.

Primary author: ZHANG, Hao (University of Science and Technology of China)

Presenter: JIA, Zekun

Session Classification: Reception and poster presentation

Track Classification: Low energy