Talk at CBM PWG Di-Lepton meeting

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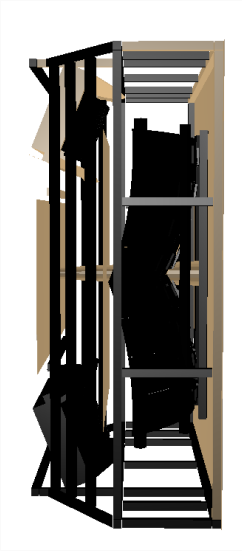
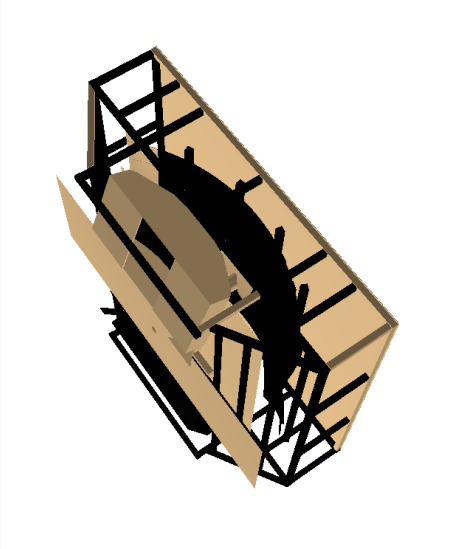
Geometry Update

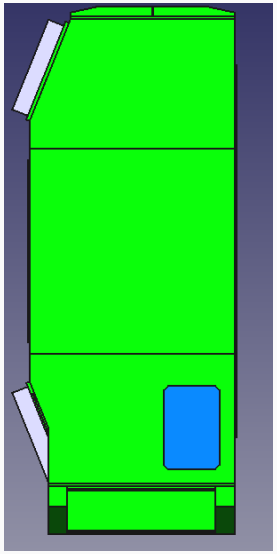
BERGISCHE UNIVERSITÄT WUPPERTAL

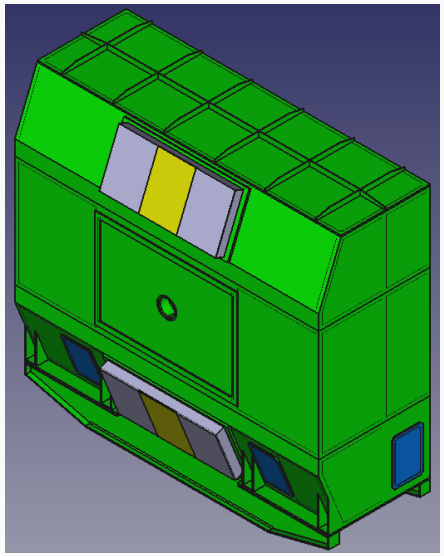
old Root/Geant geometry V23a



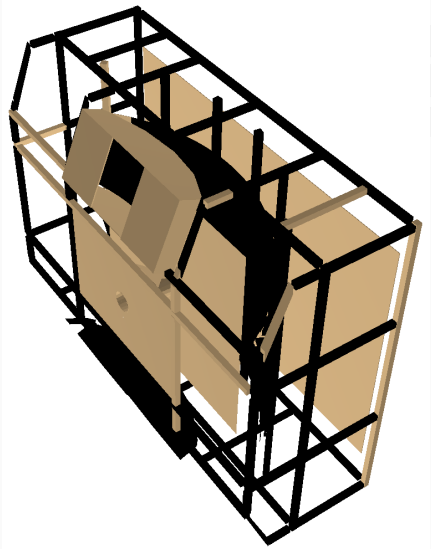


CAD geometry

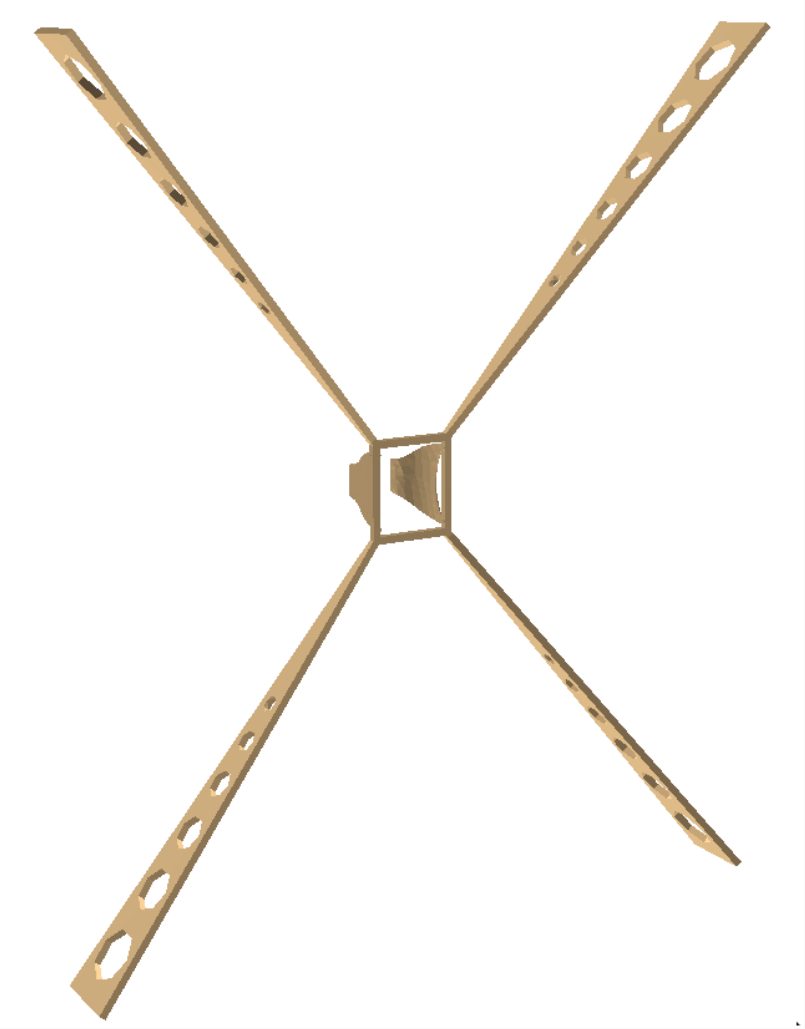


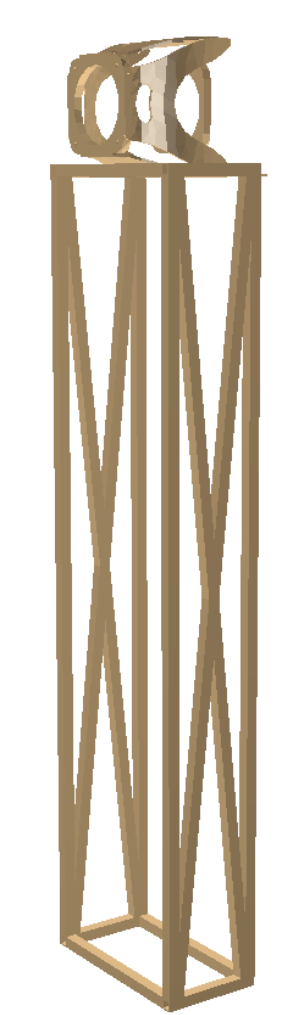


new Root/Geant geometry V24a



Tessellation to describe MC geometry





Status and further plans

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- PHD student (NRW-FAIR) in Wuppertal since 2023
- Continue qualification and further tuning of new RICH geometry (see talk on last CBM software meeting)
- Evaluate application of TGeoArbN-based tessellation (PANDA group, Bonn) in CBM framework

- After $\approx$ spring 2024: Plan to look into dilepton reconstruction in CBM with RICH, in particular dilepton flow reco capabilities
- Further details t.b.a.

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Thank you for your attention.

Any Questions?