

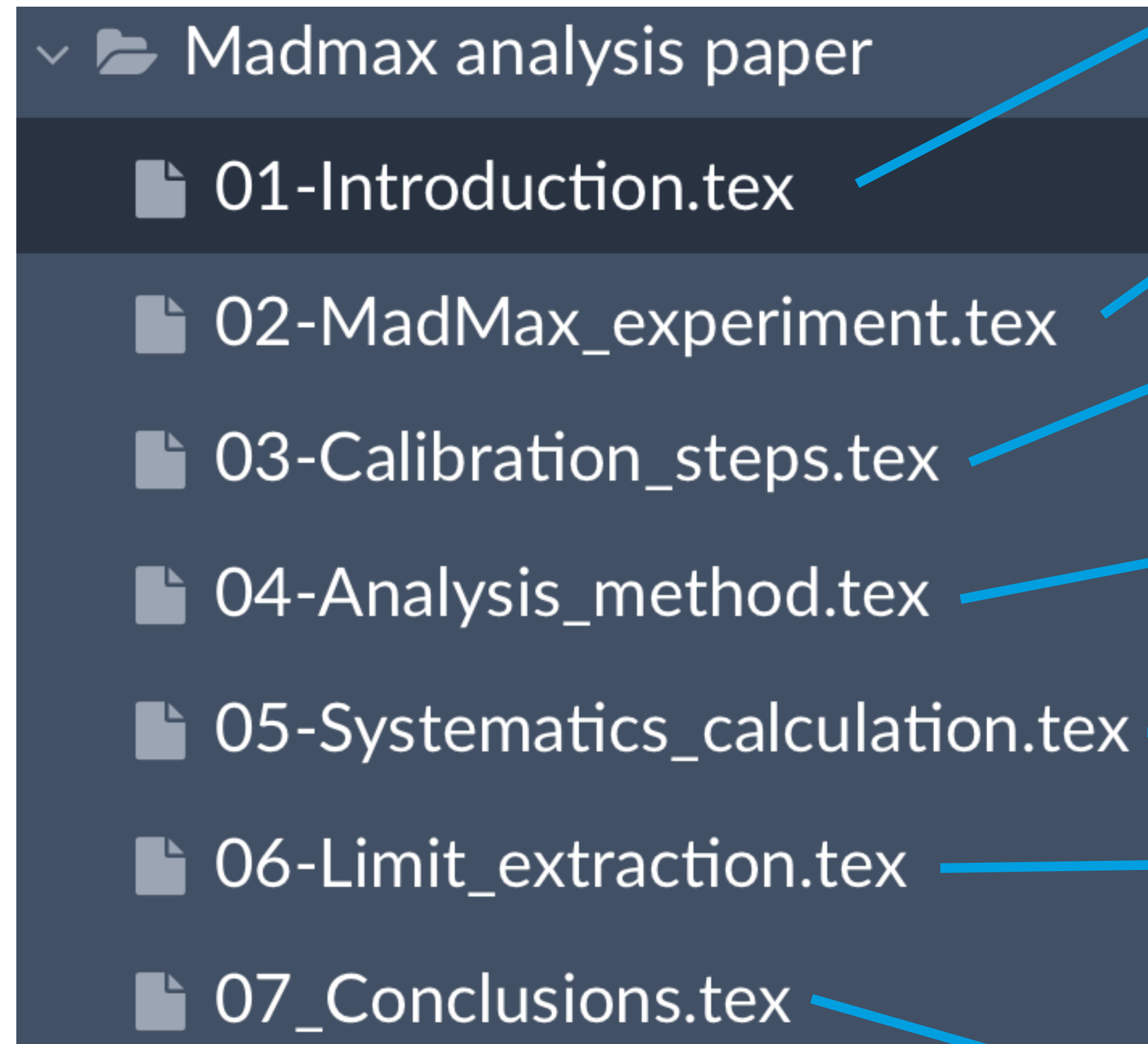
Paper status and publication path

[Alberto Martini](#) – DESY

Madmax Analysis week, MPP, 24-28 July 2023



Paper structure: proposal



Describe the physics concepts and motivation for Madmax

Describe the experiment as it was in 2022-2023 data-taking

Here, details on the geometry should be added

Describe the various measurements that have been done to extract the boost factor

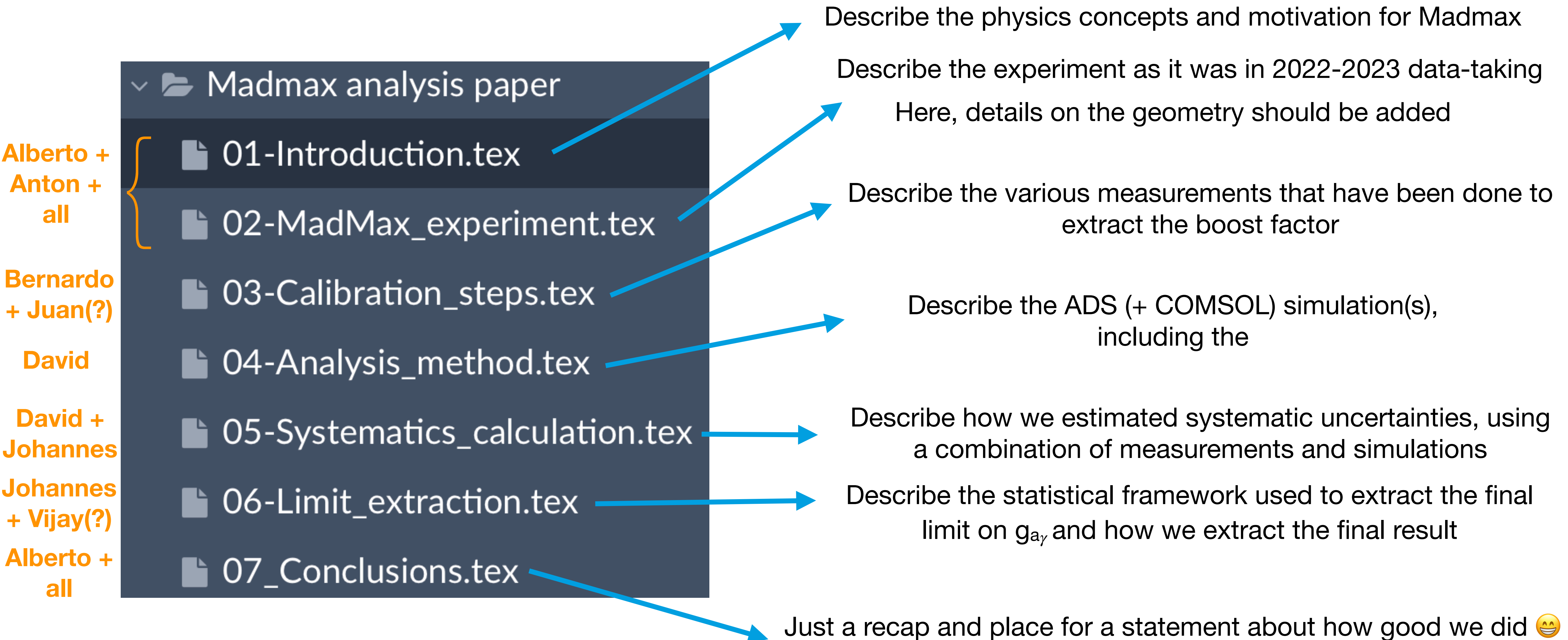
Describe the ADS (+ COMSOL) simulation(s), including the

Describe how we estimated systematic uncertainties, using a combination of measurements and simulations

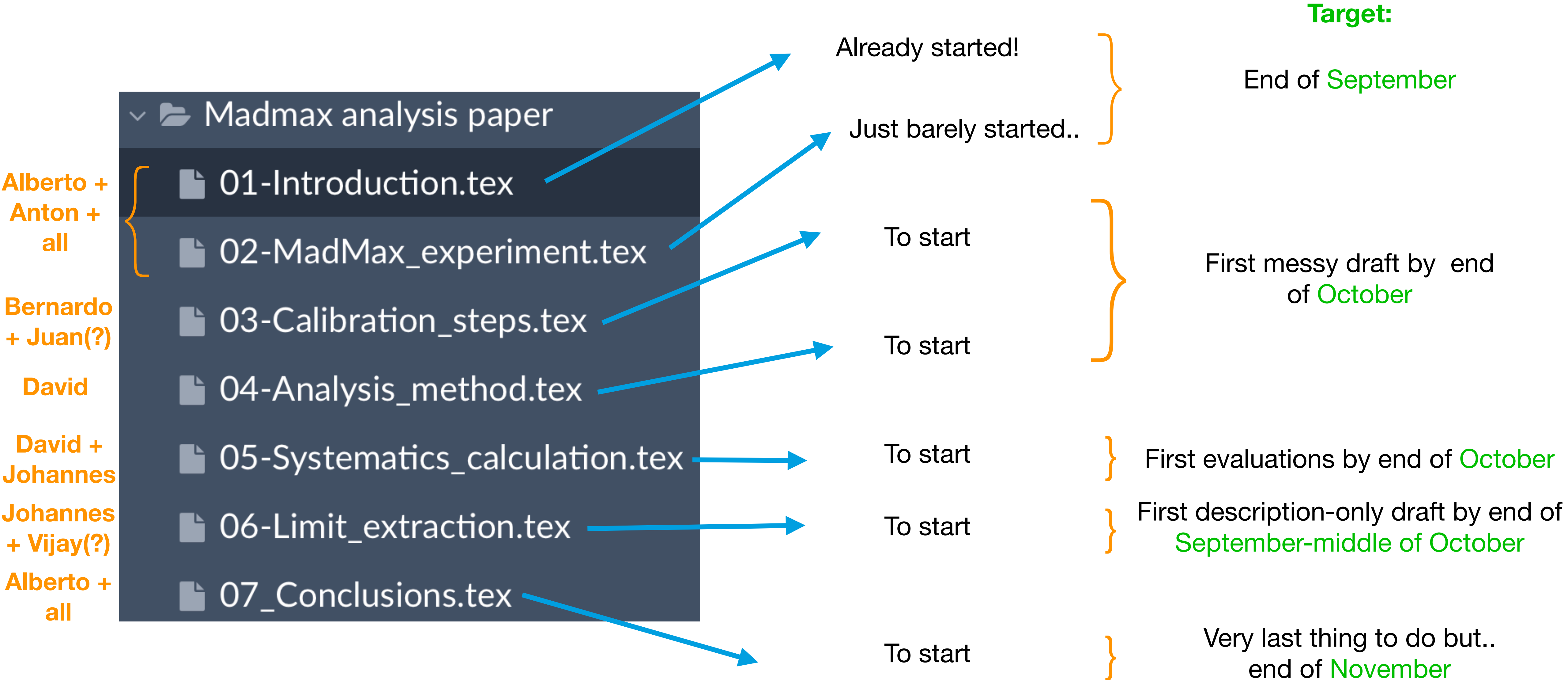
Describe the statistical framework used to extract the final limit on $g_{a\gamma}$ and how we extract the final result

Just a recap and place for a statement about how good we did 😊

Paper structure with responsibilities: proposal



Paper status and future



Work to do today - now

The goal is to **publish by December!**

Target journal: **EPJC**

Let's try to define here
and now a detailed
structure of the
sections

Alberto +
Anton +
all

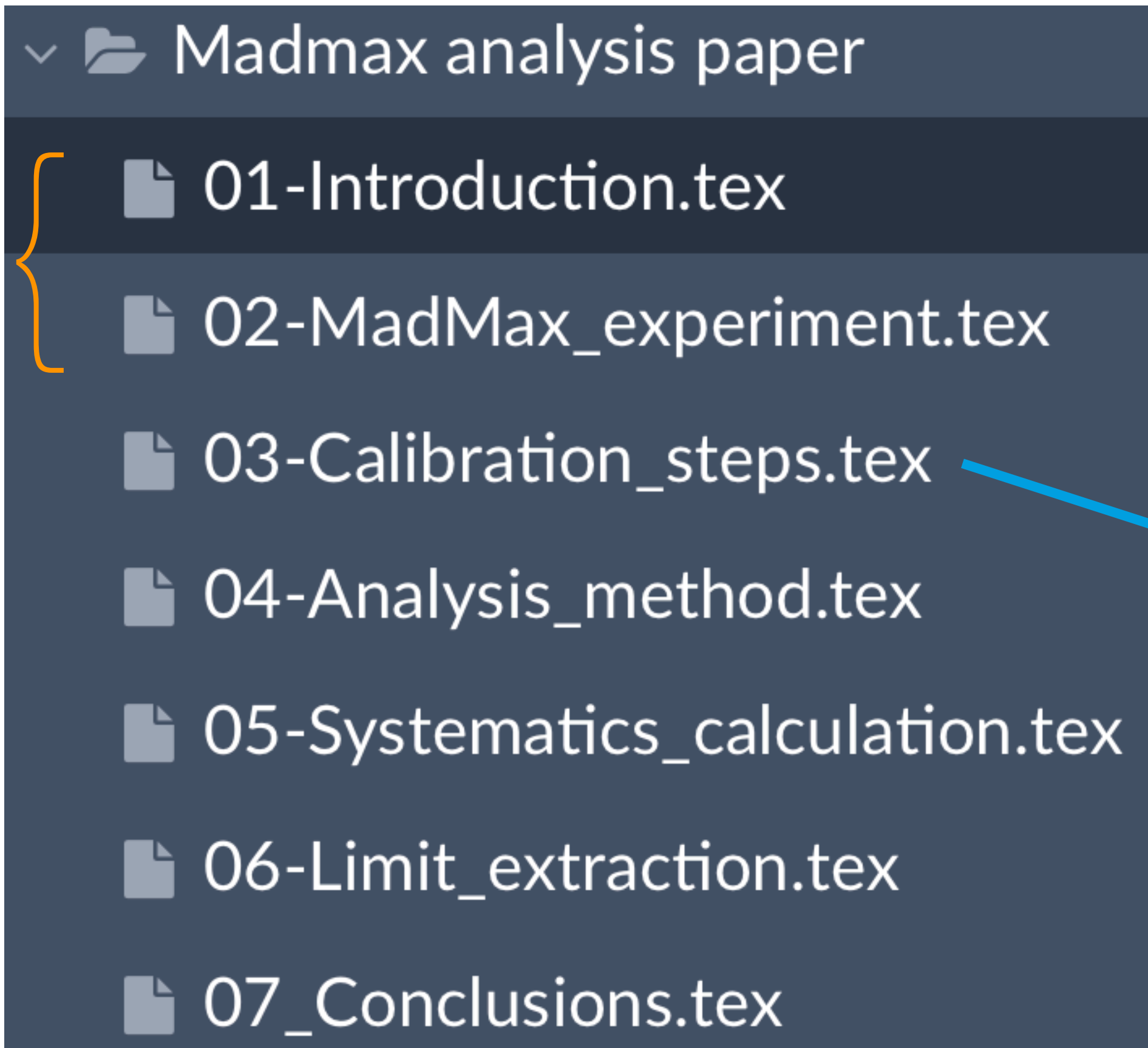
Bernardo
+ Juan(?)

David

David +
Johannes

Johannes
+ Vijay(?)

Alberto +
all



Structure example:

- SA measurements
 - Y-factor
- VNA measurements
 - Transmission line

Shared overleaf link to work
together on this: