

## New developments in the PROSA PDF fit

*Friday, 29 November 2019 09:00 (20 minutes)*

The PROSA PDF fit was the first in the literature showing the impact of the inclusion of open-heavy flavour production data on low- $x$  gluons.

We present a new version of the fit, including a more extended set of experimental data than our previous fit, which allows to better constrain gluon and sea quark distributions and we show its performances in applications of interest for neutrino astronomy.

**Primary authors:** PROSA COLLABORATION; ZENAIEV, Oleksandr (CERN); GARZELLI, Maria Vittoria (Universita' degli Studi di Firenze & Tuebingen Universitaet); GEISER, Achim (DESY, Hamburg); LIPKA, Katerina (DESY, Hamburg); MOCH, Sven-Olaf (Hamburg Universitaet)

**Presenter:** GARZELLI, Maria Vittoria (Universita' degli Studi di Firenze & Tuebingen Universitaet)

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