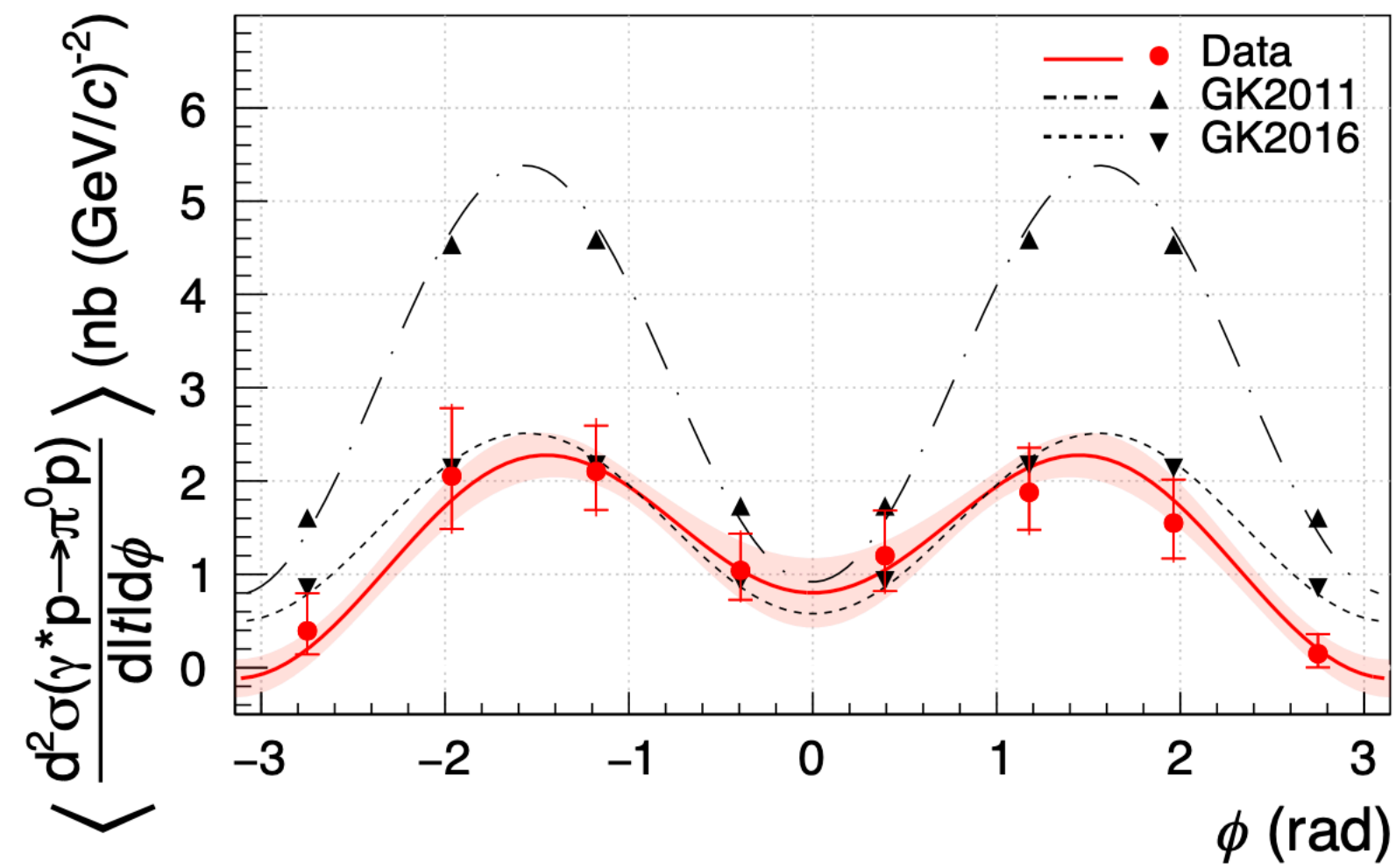**COMPASS pi0 paper: PLB 805 (2020) 135454**
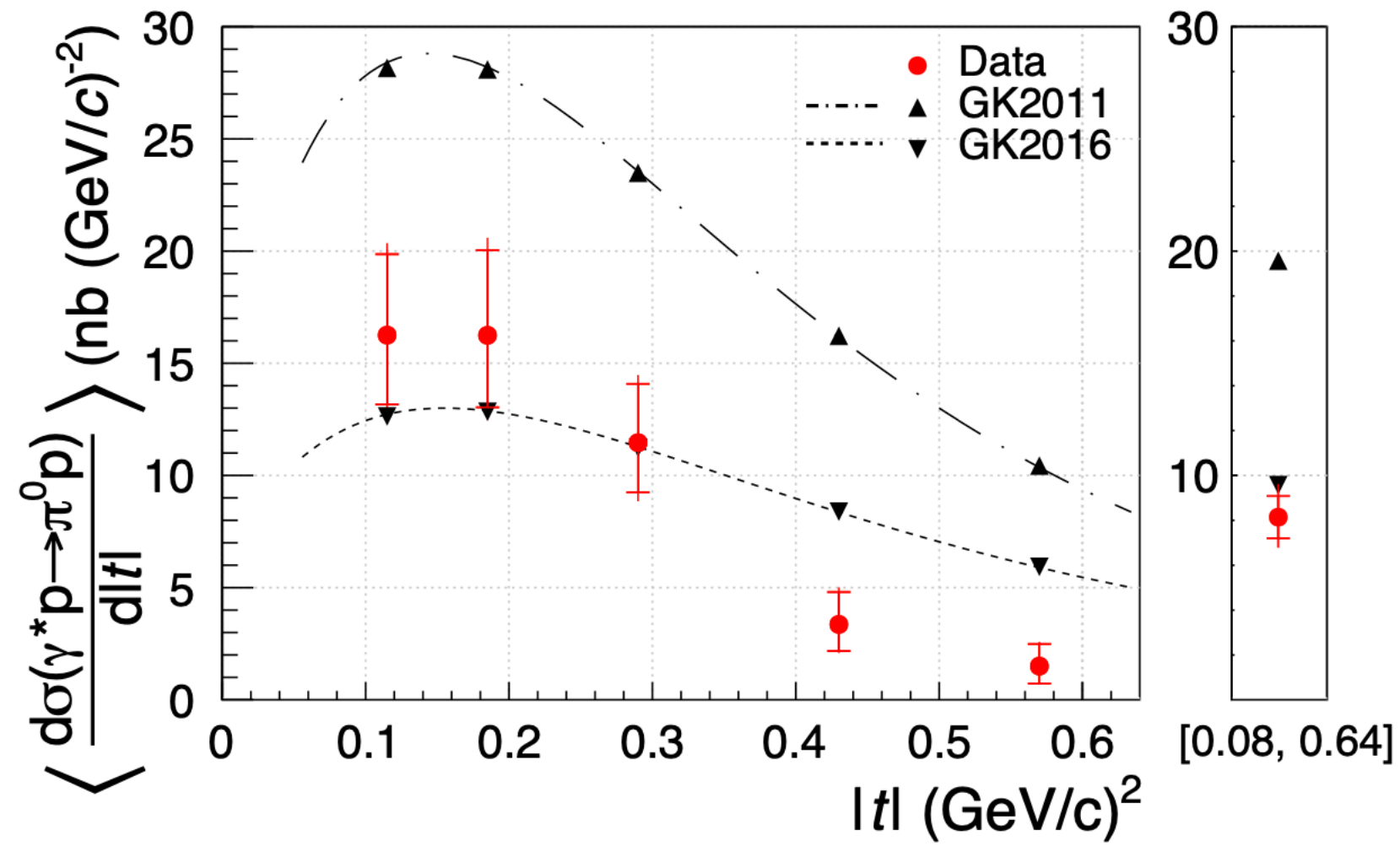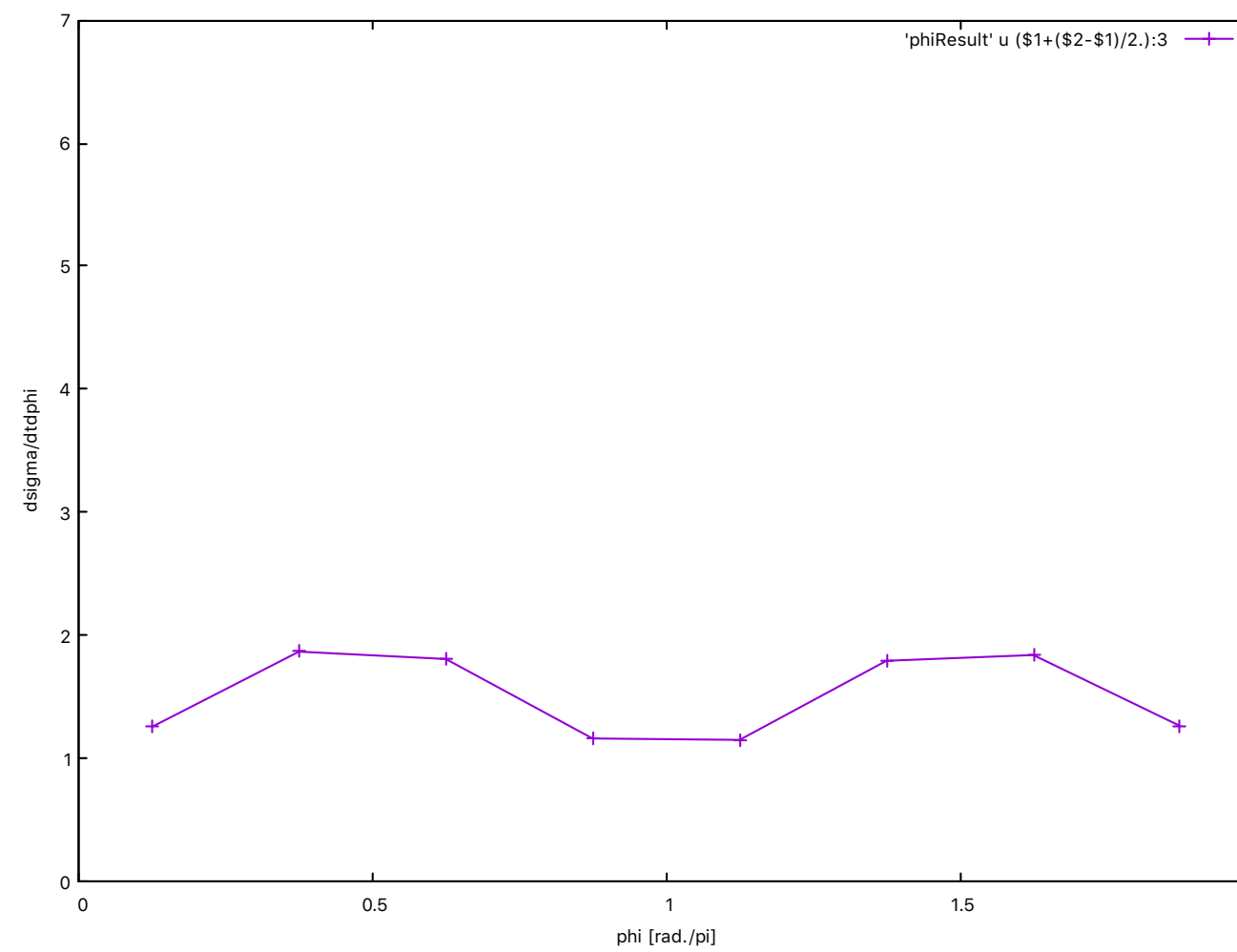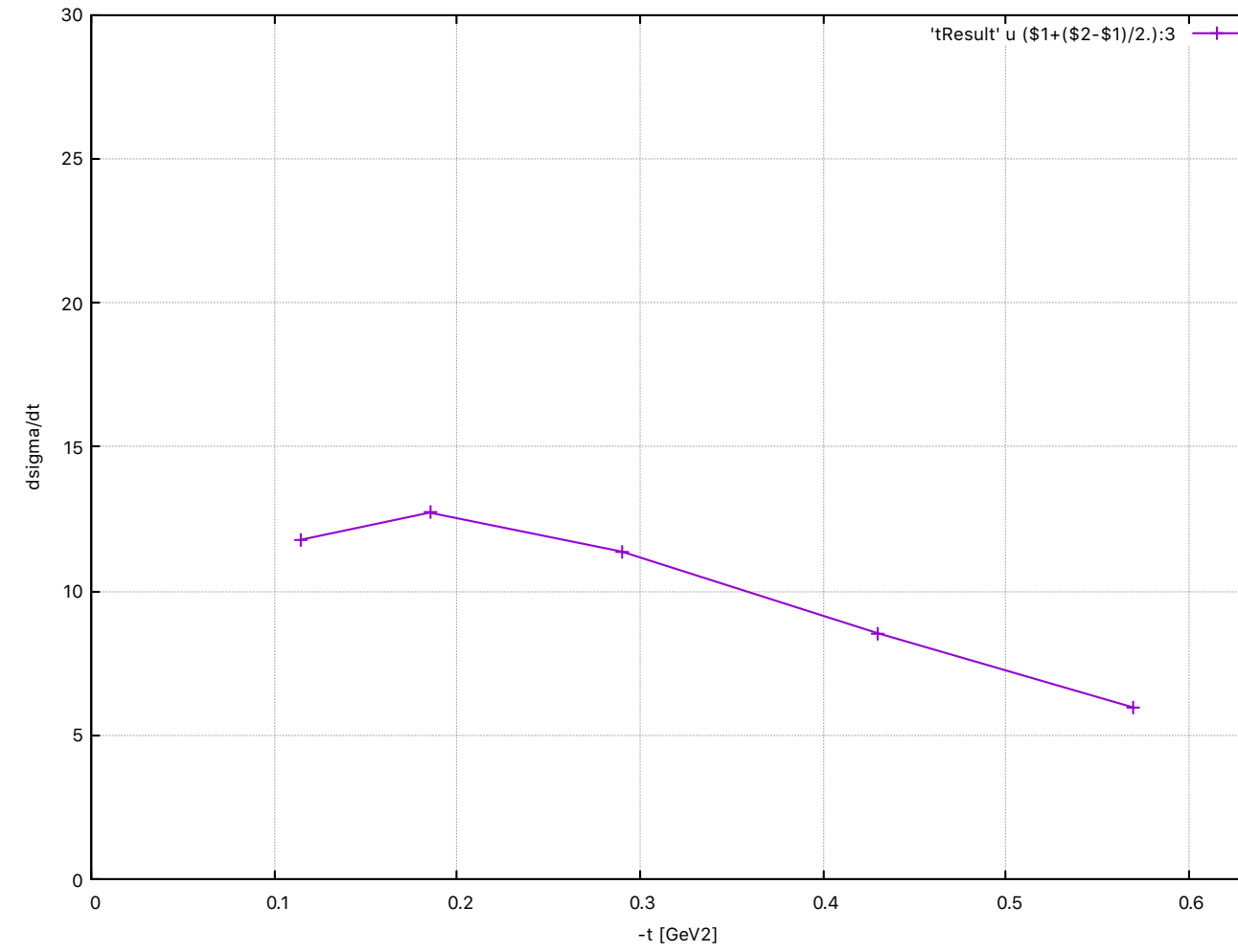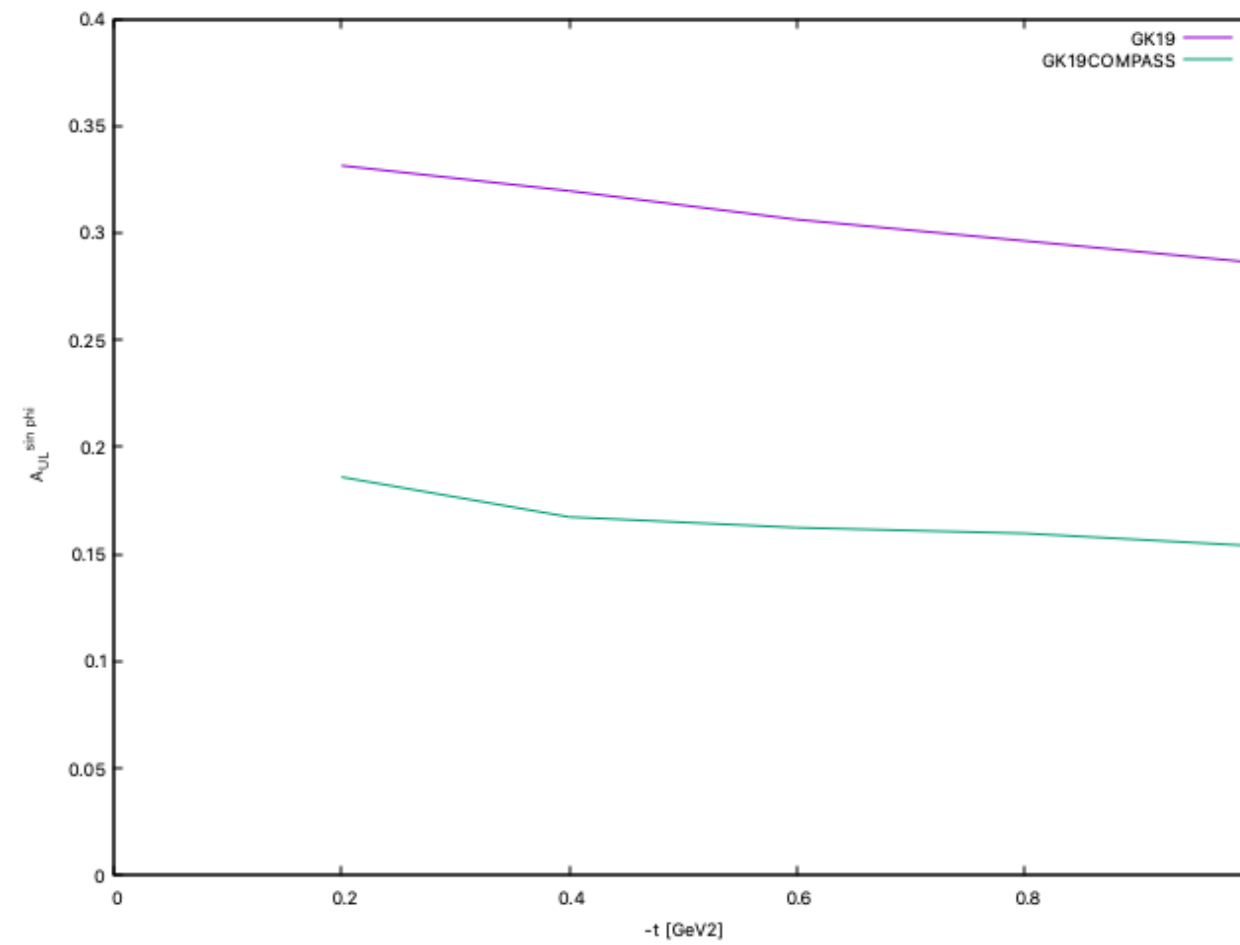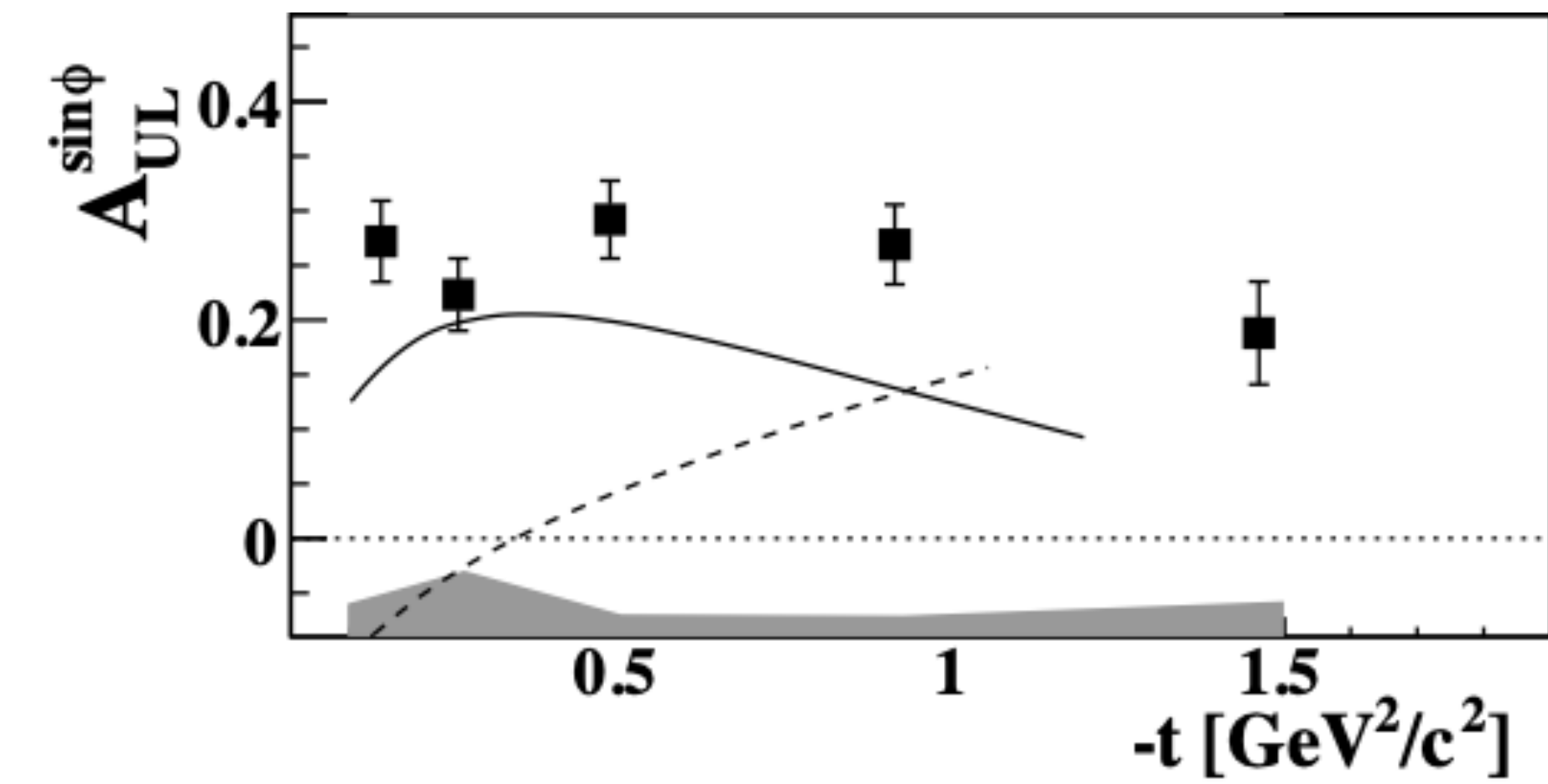
PARTONS implementation + toy MC

- here, PARTONS implementation (named *GPDGK19COMPASS*) is shown and it corresponds to GK2016 points

- to obtain r.h.s. plots, tables of cross-sections were generated with **PARTONS** and than used in toy-MC

- toy-MC was used to average cross-sections in broad COMPASS bins (just like in COMPASS analysis)

- reasonable agreement is achieved, taking into account different numerical methods and t0 formulae

PRELIMINARY

CLAS pi0 paper: PLB 768 (2017) 168

PARTONS implementation

- here, PARTONS implementations called *GPDGK19COMPASS* (green) and *GPDGK19* (magenta) are shown

- *GPDGK19COMPASS* was used e.g. in COMPASS pi0 paper (see previous slide)

- *GPDGK19* is CLAS tuning

- to obtain r.h.s. plot PARTONS was used

PRELIMINARY