

IFJ PAN

J. J. Chwastowski

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LGAD Consortium Meeting, Feb. 3, 2021

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The Group: 3 Physicists (J. J. Chwastowski, R. Staszewski, M. Trzebiński), and one engineer (J. Świerblewski)

Expertise: DIS, photoproduction, diffraction, $\gamma\gamma$ interactions, exclusive reactions, Roman pots,

present: ATLAS (ATLAS Roman Pots system: data analysis, software, alignment, experimental infrastructure, TDAQ, DCS),
detector construction & upgrade (ATLAS, LHC, XFEL, ESS),

prev.: ZEUS, STAR, pp2pp, TASSO, DESY, ESS, LHC, ITER,...

composition: Prof. (0.2), Staff (0.4), Students: Grad. (1), Undergrad. (1), Engineer (1), Designer (1), Tech (5)



From 2023

Our interests:

EIC physics: DIS, photoproduction, diffraction, exclusive reactions

EIC apparatus: RP system: mechanical design, construction including integration with the EIC

Resources: manpower, some expertise concerning the test data analysis, software development, irradiation tests using the on-site proton cyclotrons - energies: 5 MeV – 230 MeV

Condition: the fulfilment of the obligations concerning present EoI depends on the allocation of funds by the Ministry of National Education, and a decision is expected by mid-2022

We are also a part of EoI: *EIC Forward Instrumentation in the Electron Hemisphere*