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To:

Jagellonian University Krakow - Faculty of Physics, Astronomy and Applied Computer Science

Ref.: *Proposal for distinction for the PhD thesis of Szymon Harabasz*

"Reconstruction of virtual photons from Au+Au collisions at 1.23 GeV/u"

Dear Sir / Madame,

The thesis by Szymon Harabasz presents a challenging analysis, that of dilepton production in Au+Au collisions at 1.2 AGeV, performed with the HADES spectrometer. The observable is a crucial one for the understanding the physics of hot and compressed nuclear matter; complete physics results are achieved; the methods are outlined very well; the physics implications are discussed thoroughly and a perspective towards physics conclusions and further measurements is given.

Based on the quality of the analysis and of the thesis itself, as outlined in my main report, I propose the consideration of the thesis for the distinction *summa cum laude*.

PD Dr. Anton Andronic

A blue ink signature of Anton Andronic, written in a cursive style.