Contribution ID: **974** Type: **Poster**

HEP Graph Analysis to Protect Children from Violence

Wednesday, 29 July 2020 13:45 (3 minutes)

Data Analysis Methods from High Energy Particle Physics (HEP) have applications well beyond fundamental research or the obvious industrial use cases. We would like to present the results of two project together with the UNICEF hosted End Violence Against Children (EVAC) Global Partnership and the Terre des Hommes (TdH) Innovation Prize project ChildHub. We used HEP data analysis inspired techniques to analysis Millions of financial transactions of the United Nations in order to identify collaborations between different countries, institutions and thematic direction, as well as interconnections of data in document libraries and communities of Child Protection practitioners. Besides the presentation of the results we will discuss how data analysis techniques from fundamental HEP research can help to demonstrate the value and impact on society in often not obvious domains (like Ending Violence Against Children) and how they can be used for outreach towards fundamental science funding decision makers.

I read the instructions

Secondary track (number)

(15)

Primary authors: Dr MARTINI, Andrea (gluoNNet Association); NOVOTNY, Kristiane Sylvia (Johannes-Gutenberg-Universitaet Mainz (DE)); DOBOS, Daniel (Lancaster University (GB)); POTAMIANOS, Karolos (Deutsches Elektronen-Synchrotron (DE))

Presenter: Dr MARTINI, Andrea (gluoNNet Association)

Session Classification: Accelerator: Physics, Performance, and R&D for Future Facilities - Posters

Track Classification: 17. Technology Applications, Industrial Opportunities and Sustainability