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Hello RNTuple and friends: what the new ROOT means for your analysis

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ROOT is one of HEP's most senior active software projects; virtually every physicist uses it, and its TTree is the backbone of HEP data. But ROOT can do even better - and it's getting there, step by step. It now features RDataFrame, a new, simple and super-fast way to write a data analysis. Soon TTree will have a successor, RNTuple, allowing for even faster data processing. Graphics will become web-based, sleek, and right-by-default. Python interfaces are promoted to become a first class citizen, and even histograms will see a new generation with more obvious, simpler interfaces and higher speed. This presentation will feature a sneak preview for all of this - because we do this for you, and we want your comments to get it right, for the next 30 years.

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