

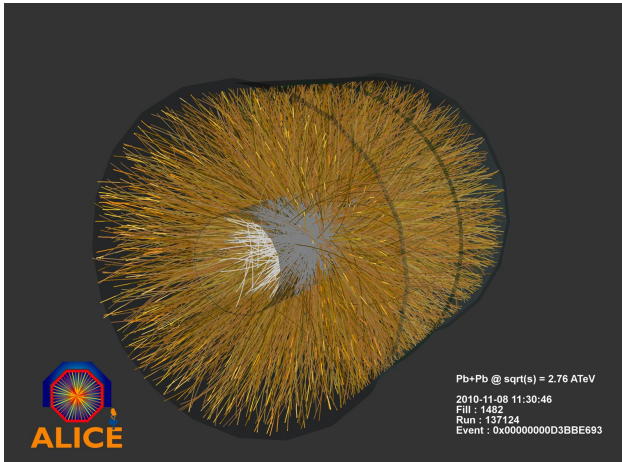
NodeJS, Angular2, Socket.io, ZeroMQ and JSROOT

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About me

- Martin Vala, Slovakia
- Particle physicist working for :
 - ALICE experiment at CERN
 - HybriLit cluster at JINR



Goal of our task

- WebApp with online updated histograms
- Demo : <http://tut1-hlit.jinr.ru:4200/>
- What do we need?
 - [NodeJS](#) (javascript, npm ...)
 - [AngularJS 2](#) (Frontend framework, Web component, services, http requests, ...)
 - [SocketIO](#) (server-client connection between server and web browser, signals, ...)
 - [ZeroMQ](#) (Carries messages across inproc, IPC, TCP, TIPC, multicast. using patterns like pub-sub, push-pull, and router-dealer.)
 - [ROOT](#) (A modular scientific software framework. It provides all the functionalities needed to deal with big data processing, statistical analysis, visualisation and storage)
 - [JSROOT](#) (javascript for ROOT object based on [d3js](#))
- Project :
<https://gitlab-hlit.jinr.ru/hybrilit/angular2-socketio-zmq-jsroot-tut>

- Http request using indico api
- Count and show number of connected users on web page
- Update web page components when something comes to the server
 - 1 One number (temperature)
 - 2 Histogram (1D and 3D)

Let's WORK

There are **NO STUPID** questions.

Just ASK.