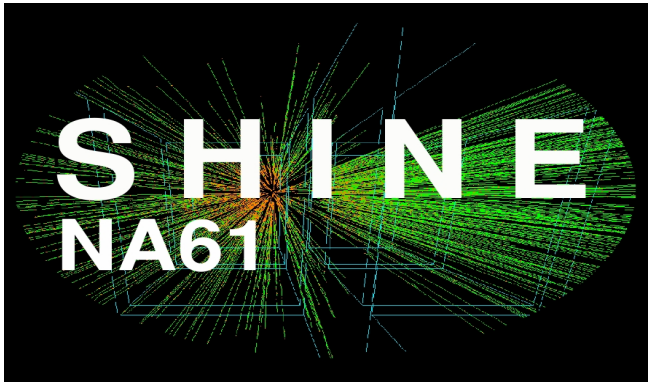
Workplan for the NA61 software upgrade

András László



Manpower:

- A core group, working at CERN during startup phase.

Name	Status	Institute	FTE 2011	Expertise
András LÁSZLÓ	senior	CERN, PH-SME fell.	~0.5FTE	Author of NA61 on-line software
Michael UNGER	senior	KIT	~0.5FTE	Author of NDST, NA61 analysis
Darko VEBERIC	senior	Uni. of Nova Gorica	~0.5FTE	Author of Pierre Auger Framework
Marek SZUBA	senior	KIT	~0.5FTE	NA61 simulation/analysis
Antoni MARCINEK	PhD student	Jagiellonian Univ.	~0.5FTE	Author of NA61 BPD reco/ana software
Roland SIPOS	Msc student	Eötvös Univ.	1.0FTE *	Participation in NA61 software activities
Oskar WYSZYNSKI	Msc student	Jagiellonian Univ.	1.0FTE **	Participation in NA61 software activities

*, **: Financial support from CERN for 1 year technical studentship is requested for each, 2 year in total.
(Main activities: participation in the startup phase, to set up unified data model and new steering infrastructue.)

- Further developers are expected in later phase.

Workplan: *(Coding meeting of core group at CERN in March/April)*

- Setup of development environment. *(to be done by the core group, time estimate: 1-2 weeks)*
- The new event data model has to be established. Translation capability from/to old DSPACK data model necessary for transition. *(to be done by the core group, time estimate: 2-3 months)*
- The steering environment and module template has to be developed. *(to be done by the core group, time estimate: 1-2 months)*
- A special module, the client wrapper module has to be developed to be able to use old DSPACK clients in the new framework. Technically, this means wrapping of fixed signature C and FORTRAN routines. *(to be done by the core group, time estimate: 1 months)*
- At this point the new framework will be able to run, powered by the old clients, and the system can be commissioned.
- Gradual upgrades of the modules. *(to be done gradually, on the basis of upgrade demands, by possible new developers as well)*