



# Swiss High-School Students Internship Programme 2021

## Friday 29 October 2021

### Final presentations & closing - 500/1-001 - Main Auditorium (13:00 - 18:05)

time	[id] title	presenter
13:00	[42] Introduction	
13:05	[43] Future circular collider as Xray source	KNEUBUEHLER, Eric Nils CUANILLION, Leon Luis
13:20	[44] Beam parameter measurements on SPS	WALLIMANN, Lea LAGUTAIN, Pietro
13:35	[45] Evaluation of Timepix ASIC for particle detection and X-ray imaging	CHUNG, Eden Li-An LARDI, Laura Elisabeth
13:50	[46] Beam size measurements	VIOLA, Alana Ana KAN, Letitia Wing
14:05	Short break	
14:20	[47] Large Hadron Collider beam dumping system	MATTER, Jeremy Vincent RABIL, Joseph Louis
14:35	[48] Design and test a simple pattern matching algorithm using basic discrete components	GARTNER, Benjamin DIETZ, Matteo
14:50	[49] Response of fast silicon hybrid sensors	MISCHLER, Elena Carmen LOCHER, Rahel
15:05	[50] Characterization of Micro Pattern Gas Detectors using particle beam extracted at the Super Proton Synchrotron (SPS) at CERN	SCHWEDE, Hannah Alina KOFMEL, Jasmine Thuy Jayne
15:20	Short break	
15:35	[51] Charged Particle Detector characterisation	MUELLER, Eleni Norina BAER, Johanna Lena
15:50	[52] Initiation to scintillator characterisation	ALSAWAF, Jehan BALTACI, Mehlika Betul
16:05	[53] Quality Assurance on C++ core components of the CS using clang static code analysis in gitlab pipelines, and sonarqube for visualisation	LEHMANN, Nik Sven BURKHARDT, Philipp Maximilian Thomas
16:20	[54] Testing of the carbon-nanotube based water leak detection system	RIEDI, Benjamin Luc DEVECI, Sinan Simon
16:35	[55] Conclusion	BECK, Hans Peter BOSELLI, Margherita
16:55	[56] Closing Ceremony & Certificates	BECK, Hans Peter BOSELLI, Margherita