



SiLC Satellite Meeting:

Program

Manfred Krammer and Aurore Savoy-Navarro

*Friday November 18, 2005 from 9h am to 5h pm
in the ILC-ECFA Workshop place, Franz-Josef room II
<http://wwwhephy.oeaw.ac.at/p3w/ilc/ws05/wframe.html>*

*Visit to the sensor test center and module production for the CMS tracker
will be arranged during the workshop*

<p>9h -10h</p> <p>25'</p> <p>25'</p> <p>10'</p>	<p><i>What are we learning from:</i></p> <p>CMS experience: <i>Gabriella Pasztor (CERN)</i></p> <p>ATLAS experience: <i>Salvador Marti (IFIC-Valencia)</i></p> <p><i>Where do we go from there: SiLC and its main issues</i></p>
<p>10h- 11h</p> <p>20'</p> <p>20'</p> <p>20'</p>	<p>R&D on sensors</p> <ul style="list-style-type: none"> ▪ New strip sensors developments (larger wafer, thinning..) <i>and</i> <p>New pixel technologies for large surface: <i>M. Merkin (Moscow.St.U.) and Steve Worm (Rutherford Lab)</i></p> <ul style="list-style-type: none"> ▪ Quality control: <i>Thomas Bergauer, HEPHY-Vienna</i>
<p><i>11h-11h20</i></p>	<p><i>Coffee/Tea break</i></p>
<p>11h20-1h</p> <p>30'</p> <p>20'</p> <p>30'</p> <p>20'</p>	<p>R&D on Electronics</p> <ul style="list-style-type: none"> ▪ Very deep sub micron F.E. electronics: <i>J. F. Genat, LPNHE</i> ▪ Readout issues: <i>Ledu (CEA Saclay)</i> ▪ Pitch adapters, packaging, cabling: new techs <i>M.Lozano, CNM</i> ▪ Santa Cruz Front end chip <i>Bruce Schumm, UCSC</i>
<p><i>1h – 2h</i></p>	<p><i>Lunch break</i></p>

<p>2h -3h30</p> <p>15'</p> <p>20'</p> <p>20'</p> <p>15'</p> <p>30'</p>	<p>Mechanics R&D</p> <ul style="list-style-type: none"> ▪ CAD design for the various Si tracking components: <ul style="list-style-type: none"> >> The Si Tracker in the SiD concept: <i>Bill Cooper (FNAL)</i> >> The Si Tracker in a Large Detector: <i>H. Yamamoto</i> ▪ Elementary modules: from tiles to ladders: <i>B Cooper +F. Kapusta</i> ▪ Thermo-mechanical studies: the cooling issues <i>A. Savoy-Navarro</i> ▪ Position Monitoring and Alignment systems: <i>Celso Rivero IFCA & for K. Riles and Hai-Jun Yang (University of Michigan)</i>
<p>3h40</p>	<p>Coffee break</p>
<p>4h00 –</p> <p>20'</p> <p>20'</p>	<p>Simulation studies: First performance studies of jet rejection using a pixel based detector: <i>Marco de Mattia (Padova U.)</i></p> <p>General discussion on full simulation issues GEANT4 based</p>
<p>4h40-5h10</p>	<p>Test benches/Test beams: <i>Zdenek Dolezal, Charles U. Prague</i></p>