

Draft Agenda for Aug 28, 2007, AES Cavity Meeting at Jefferson Lab

**Charge**

1. Review data on AES 1-4 fabrication, processing, and testing.
2. Discuss possible causes for limited cavity performance.
3. Review and recommend any changes for future fabrication procedures and schedule.
4. Recommend future processing and measurement plans for AES 1-4.

Note - It is unlikely that sufficient thermal measurement data will be available by the time of the meeting in order to tell if the quench is on a weld or not.

**Agenda**

**Session I 8:30 - 10:50 (2 hr 20 min)**

Introduction – Charge, overview, expectations Edwards 15

*Past*

All test results, preparation history, mechanical/optical inspection results, mode analysis, and temperature measurements Geng, Mammosser, Sergatskov 30

Note review given by Geng on 8/16/07

<http://ilcagenda.linearcollider.org/conferenceDisplay.py?confId=1841>

FNAL measurements of AES-1 (if tests complete) Ginsburg, Sergatskov 15

Weld prep and machining, weld machine & procedures, time history, inspection & QA/QC at AES. Any data specific to bad cells. Rathke 30

Material, RRR and RRR at weld data, eddy current scanning. Any data specific to bad cells. Cooley 20

Discussion of procedures, measurements, possible multipacting, etc Kneisel lead 30

**Session II (2 hr 10 min)**

*Possible future*

Titanium oven treatment. Past results at Cornell, DESY, and JLab.

What should we expect & where could we do it on these cavities? Hasan, Axel/Lutz 30  
Lutz after 1pm

Mechanical polish of welds e mail comments Saito (?) 20

**Lunch**

Summary of temperature mapping developments Champion, Ciovati 30

Present AES fabrication procedure and schedule Rathke 20

Plan future preparation and testing of AES cavities. Champion, Funk lead 30

Action items

Close out