



## 3.9 GHz 3rd Harmonic Cavities

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- **OBJECTIVE**

FNAL to fabricate four cavities

Jlab to fabricate four cavities

- **STATUS**

FNAL -- two cavities completed -- parts for 3rd and 4th cavities 100% complete -- welding 25% complete -- scheduled to commence welding dumbbells next week.

JLAB -- parts for four cavities 100% complete -- welding 70% complete.



## 3.9 GHz 3rd Harmonic Cavities

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- **SCHEDULE**

FNAL -- 3rd cavity complete in July -- 4th cavity complete in August.

JLAB -- four cavities complete by late June or early July.



## 1.3 GHz Cavity Fabrication: FY06

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- **OBJECTIVES**

Jlab is fabricating two Tesla cavities (asymmetric end tubes) from fine grain niobium and two ILC cavities (symmetric end tubes) from large grain niobium.

AES is fabricating four Tesla cavities from fine grain niobium.

- **STATUS**

AES -- end groups on schedule -- welding HOMs to end tubes next week -- fixtures for Wah Chang to heat treat niobium for half cells are being machined in WHMS -- due for completion next week.



## 1.3 GHz Cavity Fabrication

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- Bids will be solicited for twelve ILC cavities -- potential contractors to supply material (fine grain niobium) -- FNAL will evaluate positive responses based on technical merit, proposed schedule and cost.